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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY:
3/24/2011

Job Number: 360-31465-1
SDG Number: 360-31465-1
Job Description: Olin Chemical Superfund Site

For:
Olin Corporation
3855 North Ocoee Street
Suite 200
Cleveland, TN 37312-4441
Attention: Mr. Steven Morrow

Approved for release.
James T Wickham
Technology Manager
1/13/2011 7:19 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
01/13/2011

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, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

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MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Westfield** Project #: **360-31465-1**

Project Location: **Olin Chemical Superfund Site** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

360-31465-(1-13, 13MS/MSD, 14)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	332.0 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

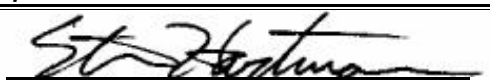
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☒ Yes ☐ No

[1] All negative responses must be addressed in an attached laboratory narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Steven C. Hartmann Date: 1/13/11 19:12

This form has been electronically signed and approved

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Westfield** Project #: **360-31465-1**

Project Location: **Olin Chemical Superfund Site** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

360-31465-(1-7, 9-13)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	332.0 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

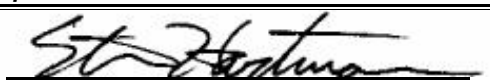
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☒ Yes ☐ No

[1] All negative responses must be addressed in an attached laboratory narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Steven C. Hartmann Date: 1/13/11 19:12

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MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Westfield** Project #: **360-31465-1**

Project Location: **Olin Chemical Superfund Site** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

360-31465-(1,5,6,7,8,12,13,14)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	332.0 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

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H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☐ Yes ☒ No

[1] All negative responses must be addressed in an attached laboratory narrative.

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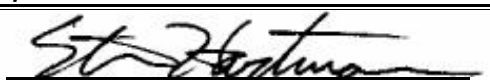
Signature:  Position: Laboratory Director

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360-31465-(1,5,6,7,12,13)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	332.0 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

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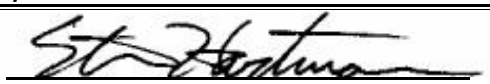
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☐ Yes ☒ No

[1] All negative responses must be addressed in an attached laboratory narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Steven C. Hartmann Date: 1/13/11 19:12

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MassDEP Analytical Protocol Certification Form

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Project Location: **Olin Chemical Superfund Site** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

360-31465-(1-7, 9-13)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

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B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

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H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☒ Yes ☐ No

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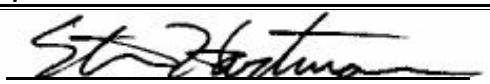
Signature:  Position: Laboratory Director

Printed Name: Steven C. Hartmann Date: 1/13/11 19:12

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Project Location: **Olin Chemical Superfund Site** RTN:

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360-31465-(1-7, 9-13)

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

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8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	332.0 Perchlorate CAM VIII B ☐	

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B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

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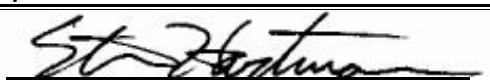
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☒ Yes ☐ No

[1] All negative responses must be addressed in an attached laboratory narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Steven C. Hartmann Date: 1/13/11 19:12

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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-31465-1

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

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

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

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

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

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

RECEIPT

The samples were received on 12/09/2010 and 12/10/2010; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt on 12/09/2010 were -2.2 (not frozen), -2.6 (not frozen), 1.2˚C and on 12/10/2010 was 5.4˚C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-TBK-064 (360-31465-8), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12), OC-SD-SD-SD2-XXX (360-31465-13) and OC-TBK-066 (360-31465-14) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were prepared on 12/17/2010 and analyzed on 12/17/2010 and 12/18/2010.

Method Blank

For samples 360-31465-1-13, 13MS/MSD, 14), Acetone was detected in method blank MB 360-67366/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

LCS

For samples 360-31465-1-13, 13MS/MSD, 14), Dichlorodifluoromethane failed the recovery criteria low for LCSD 360-67366/2-A.

Matrix Spike

Several analytes failed the recovery criteria low for the MS/MSD of sample OC-SD-SD-SD2-XXXMS/MSD (360-31465-13) in batch 360-67368. Several analytes exceeded the rpd limit. The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with batch 67368 exceeded 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained.

CCV

For samples 360-31465-1-13, 13MS/MSD, 14), the continuing calibration verification (CCV) for analytical batch 67368 exceeded control criteria for Chloroethane (low), Carbon disulfide (low), Methyl acetate (low), and Acetone(low). 2-Butanone(MEK) RRF was less than .100 but greater than .05. 2-Hexanone RRF was less than .100 but greater than .05. Tetrachloroethene RRF was less than .200 but greater than .05. Acetone had a RRF of 0.0288.

General method information:
Sample 360-31465(7, 11, 13MSD), in batch 67368, had a ratio of DI Water to soil above the method standard.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for semivolatile organic compounds (GC-MS) - Low Level in accordance with EPA SW-846 Method 8270D LL. The samples were prepared on 12/17/2010 and analyzed on 01/06/2011, 12/21/2010, 12/22/2010 and 12/23/2010.

Surrogate

Due to the level of dilution required for the following samples, surrogate recoveries are not reported (diluted out): OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5).

Matrix Spike

3 & 4 Methylphenol, Bis(2-ethylhexyl) phthalate and Phenol failed the recovery criteria high for the MS/MSD of sample OC-SD-SD-SD2-XXXMS/MSD (360-31465-13) in batch 360-67510. Bis(2-ethylhexyl) phthalate exceeded the rpd limit.

CCV

For samples 360-31465-(1,5,6,7,9,10, MB, LCS/LCSD), the continuing calibration verification (CCV) for analytical batch 67459 had several compound failed the minimum RRF criteria. The %D was within control limits for these compounds.

For samples 360-31465-(2,3,4,5DL,6,9), the continuing calibration verification (CCV) for analytical batch 67515 exceeded control criteria for Benzoic acid (low); Pentachlorophenol (low); Benzidine(low) and Di-n-octyl phthalate(high). The minimum RRF was not met for the following compounds: Nitrobenzene, Isophorone; Bis(2-chloroethoxy)methane; 2,4-Dichlorophenol; Acenaphthene and Benzo(a)anthracene.

For samples 360-31465-(1DL,10,12DL,13DL), the continuing calibration verification (CCV) for analytical batch 67612 exceeded control criteria for Benzoic Acid and Pentachlorophenol (low). The minimum RF was not met for the following compounds: Nitrobenzene; Isophorone; Bis(2-cholorethoxy)methane; 2,4-Dichlorophenol; Pentachlorophenol and Benzo(g,h,i)perylene.

For samples 360-31465-(11,12,13,13MS/MSD), the continuing calibration verification (CCV) for analytical batch 67510 exceeded control criteria for Benzaldehyde (low), Aniline (low), Isophorone (low), Benzoic acid (high), 4-Chloroaniline (low), 2,4-Dinitrophenol (high). The minimum RF was not met for the following compounds: Nitrobenzene; Isophorone; Bis(2-chloroethoxy)methane, 2,4-Dichlorophenol.

General method information:

Samples OC-SD-LB-1-XXX (360-31465-2)[5X], OC-SD-LB-2-XXX (360-31465-3)[5X], OC-SD-LB-3-XXX (360-31465-4)[50X], OC-SD-SD-SD3-XXX (360-31465-6)[5X], OC-SD-SDSW-E-XXX (360-31465-7)[5X], dilution prior to analysis due to the nature of the sample matrix. Sample extract was dark and thick.

Samples OC-SD-ISCO-2-XXX (360-31465-1)[5X], OC-SD-ISCO-2-XXX (360-31465-1)[1000X], OC-SD-SD-1-XXX (360-31465-5)[5X], OC-SD-SD-1-XXX (360-31465-5)[250X], OC-SD-SD-SD2-DUP (360-31465-12)[5X] and OC-SD-SD-SD2-XXX (360-31465-13)[5X] required due to the abundance of target analytes. The reporting limits have been adjusted accordingly.

The 12/20/10 calibration curve has a quadratic curve fit for the following compounds: Benzoic acid, 2,4-Dinitrophenol, Di-n-octyl phthalate.

The 12/21/10 calibration curve has a quadratic curve fit for the following compounds: Benzoic acid, 2,4-Dinitrophenol.

No other difficulties were encountered during the SVOC Low Level analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE PETROLEUM HYDROCARBONS

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-TBK-064 (360-31465-8), OC-SD-SD-SD2-DUP (360-31465-12), OC-SD-SD-SD2-XXX (360-31465-13) and OC-TBK-066 (360-31465-14) were analyzed for Volatile Petroleum Hydrocarbons in accordance with MA DEP MAVPH. The samples were prepared on 12/10/2010 and 12/16/2010 and analyzed on 12/21/2010.

General method information:

The calibration curve dated 9-20-10 uses quadratic regressions for m,p-Xylene, o-Xylene, and Naphthalene.

Sample 360-31465(13MS) B67516 had a ratio of methanol to soil above the method standard.

At the request of the client, only the carbon ranges are reported for this job.

No other difficulties were encountered during the VPH analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were prepared on 12/10/2010 and 12/14/2010 and analyzed on 12/13/2010, 12/14/2010, 12/16/2010 and 12/21/2010.

1-Chlorooctadecane and o-Terphenyl failed the surrogate recovery criteria low (diluted out - 20X) for OC-SD-ISCO-2-XXX (360-31465-1).

General method information:

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.

The curve calibration dated 11/29/10 uses quadratic regressions for Benzo[b]fluoranthene.

At the request of the client, only the carbon ranges are reported for this job.

Sample OC-SD-ISCO-2-XXX (360-31465-1)[20X] required dilution prior to analysis due to high target ranges.. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the EPH analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/13/2010.

For samples 360-31465-(1-13, 13MS/MSD), several analytes were detected in method blank MB 360-67039/1-A at levels that were above the method detection limit (MDL) but below the reporting limit (RL). The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS/MSD of sample OC-SD-SD-SD2-XXXMS/MSD (360-31465-13) in batch 360-67097. Calcium failed the recovery criteria high in the MSD. The associated laboratory control sample (LCS) met acceptance criteria.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 12/14/2010.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

REDUCTION-OXIDATION (REDOX) POTENTIAL

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for Reduction-Oxidation (REDOX) Potential in accordance with SM20 2580B Oxidation Reduction Potential. The samples were leached on 12/21/2010 and analyzed on 12/21/2010.

No difficulties were encountered during the redox analyses.

All quality control parameters were within the acceptance limits.

ANIONS (Chloride/Sulfate/Bromide)
Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for anions in accordance with EPA Method 300.0. The samples were leached on 12/21/2010 and analyzed on 12/22/2010 and 12/23/2010.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

ANIONS (Nitrate/Nitrite)
Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for anions in accordance with EPA Method 300.0. The samples were leached on 12/21/2010 and analyzed on 12/22/2010 and 12/23/2010.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 12/21/2010.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The samples have been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15-minute timeframe.

No other difficulties were encountered during the pH analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA
Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for ammonia in accordance with Lachat 107-06-1B. The samples were prepared and analyzed on 12/17/2010.

Ammonia exceeded the rpd limit for the MSD of sample OC-SD-SD-SD2-XXXMSD (360-31465-13) in batch 360-67341. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) met acceptance criteria.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 12/18/2010 and 12/20/2010.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM (TestAmerica Edison)
Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for Hexavalent chromium in accordance with EPA SW-846 Method 7199. The samples were prepared on 12/17/2010 and 12/20/2010 and analyzed on 12/18/2010 and 12/20/2010.

The matrix spike soluble/ matrix spike insoluble (MSS/MSI) recoveries for prep batch 59331 (re-preparation of batch 59082) were also outside control limits due to sample matrix. The associated laboratory control sample (LCS) recovery met acceptance criteria. Both sets of QC data are reported herein.

No other difficulties were encountered during the Hexavalent chromium analyses.

All other quality control parameters were within the acceptance limits.

FORMALDEHYDE & ACETALDEHYDE (TestAmerica Tallahassee)

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for formaldehyde in accordance with EPA SW-846 Method 8315A. The samples were prepared on 12/15/2010 and analyzed on 12/16/2010.

Acetaldehyde failed the recovery criteria low for the MS/MSD of sample OC-SD-SD-SD2-XXXMS/MSD (360-31465-13) in batch 640-75971. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the formaldehyde analyses.

All other quality control parameters were within the acceptance limits.

PHTHALIC ACID AND PHTHALIC ANHYDRIDE (TestAmerica Tallahassee)

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for Phthalic Acid and Phthalic anhydride in accordance with LC65. The samples were prepared on 12/14/2010 and analyzed on 12/20/2010.

No difficulties were encountered during the LC65 analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples OC-SD-ISCO-2-XXX (360-31465-1), OC-SD-LB-1-XXX (360-31465-2), OC-SD-LB-2-XXX (360-31465-3), OC-SD-LB-3-XXX (360-31465-4), OC-SD-SD-1-XXX (360-31465-5), OC-SD-SD-SD3-XXX (360-31465-6), OC-SD-SDSW-E-XXX (360-31465-7), OC-SD-OPWD-1-XXX (360-31465-9), OC-SD-OPWD-2-XXX (360-31465-10), OC-SD-OPWD-SD/SP/SW-S-XXX (360-31465-11), OC-SD-SD-SD2-DUP (360-31465-12) and OC-SD-SD-SD2-XXX (360-31465-13) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 12/15/2010.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-31465-1	OC-SD-ISCO-2-XXX	Solid	12/09/2010 1200	12/10/2010 1900
360-31465-2	OC-SD-LB-1-XXX	Solid	12/09/2010 1030	12/10/2010 1900
360-31465-3	OC-SD-LB-2-XXX	Solid	12/09/2010 0935	12/10/2010 1900
360-31465-4	OC-SD-LB-3-XXX	Solid	12/09/2010 0845	12/10/2010 1900
360-31465-5	OC-SD-SD-1-XXX	Solid	12/09/2010 1315	12/10/2010 1900
360-31465-6	OC-SD-SD-SD3-XXX	Solid	12/09/2010 1545	12/10/2010 1900
360-31465-7	OC-SD-SDSW-E-XXX	Solid	12/09/2010 1440	12/10/2010 1900
360-31465-8	OC-TBK-064	Solid	12/09/2010 0845	12/10/2010 1900
360-31465-9	OC-SD-OPWD-1-XXX	Solid	12/10/2010 1315	12/10/2010 1900
360-31465-10	OC-SD-OPWD-2-XXX	Solid	12/10/2010 1345	12/10/2010 1900
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	Solid	12/10/2010 1230	12/10/2010 1900
360-31465-12	OC-SD-SD-SD2-DUP	Solid	12/10/2010 0900	12/10/2010 1900
360-31465-13	OC-SD-SD-SD2-XXX	Solid	12/10/2010 0900	12/10/2010 1900
360-31465-13MS	OC-SD-SD-SD2-XXX	Solid	12/10/2010 0900	12/10/2010 1900
360-31465-13MSD	OC-SD-SD-SD2-XXX	Solid	12/10/2010 0900	12/10/2010 1900
360-31465-14	OC-TBK-066	Solid	12/10/2010 0900	12/10/2010 1900

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-1	**OC-SD-ISCO-2-XXX**				
2-Butanone (MEK)	32	J	40	ug/Kg	8260C
Acetone	150	J B	400	ug/Kg	8260C
cis-1,2-Dichloroethene	2.4	J	4.0	ug/Kg	8260C
trans-1,2-Dichloroethene	4.5		4.0	ug/Kg	8260C
2,4,4-Trimethyl-1-pentene	9.6		8.0	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene	3.5	J	8.0	ug/Kg	8260C
1,1'-Biphenyl	320		310	ug/Kg	8270D
Aniline	230	J	310	ug/Kg	8270D
Benzaldehyde	120	J	310	ug/Kg	8270D
Benzoic acid	430	J	1600	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	280000		62000	ug/Kg	8270D
N-Nitrosodiphenylamine	1600		62	ug/Kg	8270D
Phenol	130	J	310	ug/Kg	8270D
Diphenyl oxide	2600		310	ug/Kg	8270D
Diphenylamine	95		62	ug/Kg	8270D
C11-C22 Aromatics (unadjusted)	9400		120	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)	9400		120	mg/Kg	MA-EPH
C19-C36 Aliphatics	6400		120	mg/Kg	MA-EPH
C9-C18 Aliphatics	770		120	mg/Kg	MA-EPH
Total EPH	17000		120	mg/Kg	MA-EPH
Aluminum	10000		4.9	mg/Kg	6010B
Arsenic	6.2		2.0	mg/Kg	6010B
Barium	11		0.98	mg/Kg	6010B
Beryllium	1.3		0.39	mg/Kg	6010B
Cadmium	1.2		0.39	mg/Kg	6010B
Calcium	1300	B	39	mg/Kg	6010B
Chromium	2500		0.98	mg/Kg	6010B
Cobalt	21		0.98	mg/Kg	6010B
Copper	21		2.0	mg/Kg	6010B
Iron	4700	B	9.8	mg/Kg	6010B
Lead	11		0.98	mg/Kg	6010B
Magnesium	480	B	20	mg/Kg	6010B
Manganese	67		2.0	mg/Kg	6010B
Nickel	24		2.0	mg/Kg	6010B
Potassium	1700		390	mg/Kg	6010B
Selenium	0.72	J	0.98	mg/Kg	6010B
Silver	51		0.98	mg/Kg	6010B
Sodium	95	J	200	mg/Kg	6010B
Vanadium	9.4		2.0	mg/Kg	6010B
Zinc	45		4.9	mg/Kg	6010B
Tin	1.9	J B	9.8	mg/Kg	6010B
Mercury	0.24		0.10	mg/Kg	7471A
Chromium (hexavalent)	28		3.9	mg/Kg	7199
pH	6.88	HF		SU	9045C
Ammonia	290		3.1	mg/Kg	L107-06-1B
Total Organic Carbon	52000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	48		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
Percent Solids	52		1.0	%	Moisture
Formaldehyde	600		190	ug/Kg	8315A
Acetaldehyde	63	J	370	ug/Kg	8315A
Soluble					
Sulfate-Soluble	600		75	mg/Kg	300.0
Chloride-Soluble	130		37	mg/Kg	300.0
Oxidation Reduction Potential-Soluble	200			millivolts	SM 2580B
360-31465-2	**OC-SD-LB-1-XXX**				
Acetone	38	J B	440	ug/Kg	8260C
Benzo[b]fluoranthene	110	J	290	ug/Kg	8270D
Benzo[g,h,i]perylene	96	J	290	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	390		290	ug/Kg	8270D
Fluoranthene	95	J	290	ug/Kg	8270D
Pyrene	120	J	290	ug/Kg	8270D
Aluminum	8800		5.3	mg/Kg	6010B
Arsenic	5.9		2.1	mg/Kg	6010B
Barium	35		1.1	mg/Kg	6010B
Beryllium	0.25	J	0.42	mg/Kg	6010B
Cadmium	0.76		0.42	mg/Kg	6010B
Calcium	1600	B	42	mg/Kg	6010B
Chromium	24		1.1	mg/Kg	6010B
Cobalt	2.1		1.1	mg/Kg	6010B
Copper	24		2.1	mg/Kg	6010B
Iron	8400	B	11	mg/Kg	6010B
Lead	260		1.1	mg/Kg	6010B
Magnesium	1800	B	21	mg/Kg	6010B
Manganese	75		2.1	mg/Kg	6010B
Nickel	9.3		2.1	mg/Kg	6010B
Potassium	690		420	mg/Kg	6010B
Silver	0.20	J	1.1	mg/Kg	6010B
Sodium	220		210	mg/Kg	6010B
Vanadium	22		2.1	mg/Kg	6010B
Zinc	110		5.3	mg/Kg	6010B
Tin	3.5	J B	11	mg/Kg	6010B
Mercury	0.14		0.095	mg/Kg	7471A
Ammonia	140		3.6	mg/Kg	L107-06-1B
Total Organic Carbon	33000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	43		1.0	%	Moisture
Percent Solids	57		1.0	%	Moisture
Soluble					
Sulfate-Soluble	78		70	mg/Kg	300.0
Chloride-Soluble	110		35	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-31465-3	**OC-SD-LB-2-XXX**					
Acetone		79	J B	500	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		160	J	320	ug/Kg	8270D
Fluoranthene		110	J	320	ug/Kg	8270D
Aluminum		3800		5.1	mg/Kg	6010B
Arsenic		5.5		2.0	mg/Kg	6010B
Barium		9.4		1.0	mg/Kg	6010B
Beryllium		0.11	J	0.41	mg/Kg	6010B
Cadmium		0.15	J	0.41	mg/Kg	6010B
Calcium		1000	B	41	mg/Kg	6010B
Chromium		20		1.0	mg/Kg	6010B
Cobalt		0.65	J	1.0	mg/Kg	6010B
Copper		4.9		2.0	mg/Kg	6010B
Iron		3100	B	10	mg/Kg	6010B
Lead		19		1.0	mg/Kg	6010B
Magnesium		330	B	20	mg/Kg	6010B
Manganese		96		2.0	mg/Kg	6010B
Nickel		1.8	J	2.0	mg/Kg	6010B
Potassium		240	J	410	mg/Kg	6010B
Silver		0.23	J	1.0	mg/Kg	6010B
Sodium		45	J	200	mg/Kg	6010B
Vanadium		5.5		2.0	mg/Kg	6010B
Zinc		22		5.1	mg/Kg	6010B
Tin		1.5	J B	10	mg/Kg	6010B
Ammonia		120		3.3	mg/Kg	L107-06-1B
Total Organic Carbon		41000		1000	mg/Kg	Lloyd Kahn
Percent Moisture		49		1.0	%	Moisture
Percent Solids		51		1.0	%	Moisture
Soluble						
Sulfate-Soluble		110		77	mg/Kg	300.0
Chloride-Soluble		61		38	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-31465-4	**OC-SD-LB-3-XXX**					
1,2-Dichlorobenzene		31		6.2	ug/Kg	8260C
2-Butanone (MEK)		69		62	ug/Kg	8260C
Acetone		300	J B	620	ug/Kg	8260C
Chlorobenzene		59		6.2	ug/Kg	8260C
sec-Butylbenzene		4.6	J	6.2	ug/Kg	8260C
Benzo[a]anthracene		1400	J	3800	ug/Kg	8270D
Benzo[a]pyrene		1500	J	3800	ug/Kg	8270D
Benzo[b]fluoranthene		2000	J	3800	ug/Kg	8270D
Benzo[g,h,i]perylene		1600	J	3800	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		4700		3800	ug/Kg	8270D
Chrysene		1800	J	3800	ug/Kg	8270D
Fluoranthene		3500	J	3800	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		1400	J	3800	ug/Kg	8270D
N-Nitrosodiphenylamine		2000	J	3800	ug/Kg	8270D
Phenanthrene		1100	J	4600	ug/Kg	8270D
Pyrene		2900	J	3800	ug/Kg	8270D
Aluminum		12000		6.8	mg/Kg	6010B
Arsenic		35		2.7	mg/Kg	6010B
Barium		94		1.4	mg/Kg	6010B
Beryllium		0.30	J	0.54	mg/Kg	6010B
Cadmium		1.0		0.54	mg/Kg	6010B
Calcium		4700	B	54	mg/Kg	6010B
Chromium		130		1.4	mg/Kg	6010B
Cobalt		7.2		1.4	mg/Kg	6010B
Copper		61		2.7	mg/Kg	6010B
Iron		25000	B	14	mg/Kg	6010B
Lead		120		1.4	mg/Kg	6010B
Magnesium		3700	B	27	mg/Kg	6010B
Manganese		380		2.7	mg/Kg	6010B
Nickel		19		2.7	mg/Kg	6010B
Potassium		1900		540	mg/Kg	6010B
Silver		1.6		1.4	mg/Kg	6010B
Sodium		130	J	270	mg/Kg	6010B
Vanadium		29		2.7	mg/Kg	6010B
Zinc		190		6.8	mg/Kg	6010B
Tin		6.8	J B	14	mg/Kg	6010B
Mercury		1.2		0.14	mg/Kg	7471A
Ammonia		580		6.3	mg/Kg	L107-06-1B
Total Organic Carbon		51000		1000	mg/Kg	Lloyd Kahn
Percent Moisture		56		1.0	%	Moisture
Percent Solids		44		1.0	%	Moisture
Soluble						
Sulfate-Soluble		310		92	mg/Kg	300.0
Chloride-Soluble		150		46	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-5	**OC-SD-SD-1-XXX**				
Acetone	41	J B	370	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate	210000		14000	ug/Kg	8270D
Di-n-octyl phthalate	150	J	290	ug/Kg	8270D
N-Nitrosodiphenylamine	65		58	ug/Kg	8270D
Diphenyl oxide	220	J	290	ug/Kg	8270D
C11-C22 Aromatics (unadjusted)	1100		11	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)	1100		11	mg/Kg	MA-EPH
C19-C36 Aliphatics	690		11	mg/Kg	MA-EPH
C9-C18 Aliphatics	96		11	mg/Kg	MA-EPH
Total EPH	1900		11	mg/Kg	MA-EPH
Aluminum	7900		4.6	mg/Kg	6010B
Arsenic	5.0		1.8	mg/Kg	6010B
Barium	12		0.91	mg/Kg	6010B
Beryllium	1.0		0.36	mg/Kg	6010B
Cadmium	0.32	J	0.36	mg/Kg	6010B
Calcium	820	B	36	mg/Kg	6010B
Chromium	1800		0.91	mg/Kg	6010B
Cobalt	4.7		0.91	mg/Kg	6010B
Copper	17		1.8	mg/Kg	6010B
Iron	4400	B	9.1	mg/Kg	6010B
Lead	9.4		0.91	mg/Kg	6010B
Magnesium	470	B	18	mg/Kg	6010B
Manganese	38		1.8	mg/Kg	6010B
Nickel	11		1.8	mg/Kg	6010B
Potassium	1400		360	mg/Kg	6010B
Silver	35		0.91	mg/Kg	6010B
Sodium	160	J	180	mg/Kg	6010B
Vanadium	8.5		1.8	mg/Kg	6010B
Zinc	33		4.6	mg/Kg	6010B
Tin	1.5	J B	9.1	mg/Kg	6010B
Mercury	0.049	J	0.12	mg/Kg	7471A
Chromium (hexavalent)	25		3.4	mg/Kg	7199
pH	5.83	HF		SU	9045C
Ammonia	240		3.8	mg/Kg	L107-06-1B
Total Organic Carbon	48000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	43		1.0	%	Moisture
Percent Solids	57		1.0	%	Moisture
Formaldehyde	270		170	ug/Kg	8315A
Soluble					
Sulfate-Soluble	640		69	mg/Kg	300.0
Chloride-Soluble	140		34	mg/Kg	300.0
Oxidation Reduction Potential-Soluble	360			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-6	**OC-SD-SD-SD3-XXX**				
4-Isopropyltoluene	2.6	J	3.3	ug/Kg	8260C
Acetone	62	J B	330	ug/Kg	8260C
3 & 4 Methylphenol	3000		220	ug/Kg	8270D
Benzaldehyde	620		220	ug/Kg	8270D
Benzo[a]anthracene	120	J	220	ug/Kg	8270D
Benzo[a]pyrene	130	J	220	ug/Kg	8270D
Benzo[b]fluoranthene	160	J	220	ug/Kg	8270D
Benzo[g,h,i]perylene	96	J	220	ug/Kg	8270D
Benzo[k]fluoranthene	87	J	220	ug/Kg	8270D
Benzoic acid	220	J	1100	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	270		220	ug/Kg	8270D
Chrysene	140	J	220	ug/Kg	8270D
Fluoranthene	300		220	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	87	J	220	ug/Kg	8270D
Phenanthrene	160	J	270	ug/Kg	8270D
Phenol	920		220	ug/Kg	8270D
Pyrene	250		220	ug/Kg	8270D
C11-C22 Aromatics (unadjusted)	24		4.4	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)	24		4.4	mg/Kg	MA-EPH
C19-C36 Aliphatics	43		4.4	mg/Kg	MA-EPH
Total EPH	67		4.4	mg/Kg	MA-EPH
Aluminum	7600		3.5	mg/Kg	6010B
Arsenic	5.3		1.4	mg/Kg	6010B
Barium	33		0.69	mg/Kg	6010B
Beryllium	0.30		0.28	mg/Kg	6010B
Cadmium	0.25	J	0.28	mg/Kg	6010B
Calcium	2400	B	28	mg/Kg	6010B
Chromium	130		0.69	mg/Kg	6010B
Cobalt	3.9		0.69	mg/Kg	6010B
Copper	21		1.4	mg/Kg	6010B
Iron	11000	B	6.9	mg/Kg	6010B
Lead	31		0.69	mg/Kg	6010B
Magnesium	1900	B	14	mg/Kg	6010B
Manganese	250		1.4	mg/Kg	6010B
Nickel	9.3		1.4	mg/Kg	6010B
Potassium	910		280	mg/Kg	6010B
Silver	2.0		0.69	mg/Kg	6010B
Sodium	82	J	140	mg/Kg	6010B
Vanadium	15		1.4	mg/Kg	6010B
Zinc	60		3.5	mg/Kg	6010B
Tin	2.0	J B	6.9	mg/Kg	6010B
Mercury	0.059	J	0.11	mg/Kg	7471A
pH	7.51	HF		SU	9045C
Ammonia	170		2.5	mg/Kg	L107-06-1B
Total Organic Carbon	30000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	25		1.0	%	Moisture
Percent Solids	75		1.0	%	Moisture
Formaldehyde	580		130	ug/Kg	8315A

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Client Sample ID Analyte	Result / Qualifier		Reporting Limit	Units	Method
Acetaldehyde	52	J	260	ug/Kg	8315A
Soluble					
Sulfate-Soluble	360		52	mg/Kg	300.0
Chloride-Soluble	64		26	mg/Kg	300.0
Oxidation Reduction Potential-Soluble	150			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-7	**OC-SD-SDSW-E-XXX**				
Acetone	36	J B	230	ug/Kg	8260C
3 & 4 Methylphenol	610		210	ug/Kg	8270D
Benzaldehyde	200	J	210	ug/Kg	8270D
Benzo[a]pyrene	110	J	210	ug/Kg	8270D
Benzo[b]fluoranthene	93	J	210	ug/Kg	8270D
Benzo[g,h,i]perylene	73	J	210	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	720		210	ug/Kg	8270D
Chrysene	68	J	210	ug/Kg	8270D
Fluoranthene	120	J	210	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	77	J	210	ug/Kg	8270D
Phenol	220		210	ug/Kg	8270D
Pyrene	120	J	210	ug/Kg	8270D
C11-C22 Aromatics (unadjusted)	11		4.2	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)	11		4.2	mg/Kg	MA-EPH
C19-C36 Aliphatics	14		4.2	mg/Kg	MA-EPH
Total EPH	25		4.2	mg/Kg	MA-EPH
Aluminum	4500		3.4	mg/Kg	6010B
Arsenic	3.2		1.4	mg/Kg	6010B
Barium	14		0.68	mg/Kg	6010B
Beryllium	0.21	J	0.27	mg/Kg	6010B
Cadmium	0.16	J	0.27	mg/Kg	6010B
Calcium	930	B	27	mg/Kg	6010B
Chromium	100		0.68	mg/Kg	6010B
Cobalt	4.4		0.68	mg/Kg	6010B
Copper	19		1.4	mg/Kg	6010B
Iron	7000	B	6.8	mg/Kg	6010B
Lead	20		0.68	mg/Kg	6010B
Magnesium	1200	B	14	mg/Kg	6010B
Manganese	80		1.4	mg/Kg	6010B
Nickel	8.4		1.4	mg/Kg	6010B
Potassium	680		270	mg/Kg	6010B
Silver	1.6		0.68	mg/Kg	6010B
Sodium	65	J	140	mg/Kg	6010B
Vanadium	9.2		1.4	mg/Kg	6010B
Zinc	35		3.4	mg/Kg	6010B
Tin	1.6	J B	6.8	mg/Kg	6010B
Mercury	0.11		0.096	mg/Kg	7471A
Chromium (hexavalent)	2.6		2.6	mg/Kg	7199
pH	6.82	HF		SU	9045C
Ammonia	130		2.7	mg/Kg	L107-06-1B
Total Organic Carbon	7500		1000	mg/Kg	Lloyd Kahn
Percent Moisture	22		1.0	%	Moisture
Percent Solids	78		1.0	%	Moisture
Formaldehyde	330		130	ug/Kg	8315A
Soluble					
Sulfate-Soluble	210		50	mg/Kg	300.0
Chloride-Soluble	52		25	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Oxidation Reduction Potential-Soluble		280			millivolts	SM 2580B
360-31465-8	**OC-TBK-064**					
Acetone		23	J B	250	ug/Kg	8260C

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-9	**OC-SD-OPWD-1-XXX**				
Acetone	70	J B	350	ug/Kg	8260C
Benzo[a]anthracene	170		56	ug/Kg	8270D
Benzo[a]pyrene	200		56	ug/Kg	8270D
Benzo[b]fluoranthene	300		56	ug/Kg	8270D
Benzo[g,h,i]perylene	120		56	ug/Kg	8270D
Benzo[k]fluoranthene	180		56	ug/Kg	8270D
Benzoic acid	54	J	280	ug/Kg	8270D
Benzophenone	28	J	56	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	110		56	ug/Kg	8270D
Carbazole	39	J	56	ug/Kg	8270D
Chrysene	250		56	ug/Kg	8270D
Dibenz(a,h)anthracene	35	J	56	ug/Kg	8270D
Fluoranthene	440		56	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	120		56	ug/Kg	8270D
N-Nitrosodiphenylamine	98		56	ug/Kg	8270D
Phenanthrene	120		67	ug/Kg	8270D
Diphenyl oxide	94		56	ug/Kg	8270D
Pyrene	420		56	ug/Kg	8270D
Aluminum	13000		4.7	mg/Kg	6010B
Arsenic	14		1.9	mg/Kg	6010B
Barium	9.1		0.95	mg/Kg	6010B
Beryllium	1.1		0.38	mg/Kg	6010B
Cadmium	0.33	J	0.38	mg/Kg	6010B
Calcium	480	B	38	mg/Kg	6010B
Chromium	1400		0.95	mg/Kg	6010B
Cobalt	4.4		0.95	mg/Kg	6010B
Copper	16		1.9	mg/Kg	6010B
Iron	8400	B	9.5	mg/Kg	6010B
Lead	8.0		0.95	mg/Kg	6010B
Magnesium	830	B	19	mg/Kg	6010B
Manganese	40		1.9	mg/Kg	6010B
Nickel	12		1.9	mg/Kg	6010B
Potassium	1900		380	mg/Kg	6010B
Silver	26		0.95	mg/Kg	6010B
Sodium	74	J	190	mg/Kg	6010B
Vanadium	9.2		1.9	mg/Kg	6010B
Zinc	23		4.7	mg/Kg	6010B
Tin	1.9	J B	9.5	mg/Kg	6010B
Ammonia	93		3.2	mg/Kg	L107-06-1B
Total Organic Carbon	13000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	42		1.0	%	Moisture
Percent Solids	58		1.0	%	Moisture
Formaldehyde	400		170	ug/Kg	8315A
Soluble					
Sulfate-Soluble	310		67	mg/Kg	300.0
Chloride-Soluble	110		33	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-31465-10	**OC-SD-OPWD-2-XXX**					
Acetone		90	J B	670	ug/Kg	8260C
1,2,4-Trichlorobenzene		27	J	87	ug/Kg	8270D
Benzo[a]anthracene		140		87	ug/Kg	8270D
Benzo[a]pyrene		180		87	ug/Kg	8270D
Benzo[b]fluoranthene		310		87	ug/Kg	8270D
Benzo[g,h,i]perylene		150		87	ug/Kg	8270D
Benzo[k]fluoranthene		160		87	ug/Kg	8270D
Benzoic acid		260	J	440	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		47	J	87	ug/Kg	8270D
Carbazole		51	J	87	ug/Kg	8270D
Chrysene		280		87	ug/Kg	8270D
Dibenz(a,h)anthracene		61	J	87	ug/Kg	8270D
Fluoranthene		590		87	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		140		87	ug/Kg	8270D
Phenanthrene		180		100	ug/Kg	8270D
Pyrene		440		87	ug/Kg	8270D
Aluminum		24000		7.0	mg/Kg	6010B
Arsenic		9.3		2.8	mg/Kg	6010B
Barium		16		1.4	mg/Kg	6010B
Beryllium		1.4		0.56	mg/Kg	6010B
Cadmium		0.099	J	0.56	mg/Kg	6010B
Calcium		850	B	56	mg/Kg	6010B
Chromium		250		1.4	mg/Kg	6010B
Cobalt		3.2		1.4	mg/Kg	6010B
Copper		19		2.8	mg/Kg	6010B
Iron		6300	B	14	mg/Kg	6010B
Lead		14		1.4	mg/Kg	6010B
Magnesium		1100	B	28	mg/Kg	6010B
Manganese		55		2.8	mg/Kg	6010B
Nickel		10		2.8	mg/Kg	6010B
Potassium		1200		560	mg/Kg	6010B
Silver		3.7		1.4	mg/Kg	6010B
Sodium		88	J	280	mg/Kg	6010B
Vanadium		15		2.8	mg/Kg	6010B
Zinc		24		7.0	mg/Kg	6010B
Tin		2.7	J B	14	mg/Kg	6010B
Mercury		0.070	J	0.17	mg/Kg	7471A
Ammonia		130		4.3	mg/Kg	L107-06-1B
Total Organic Carbon		28000		1000	mg/Kg	Lloyd Kahn
Percent Moisture		63		1.0	%	Moisture
Percent Solids		37		1.0	%	Moisture
Formaldehyde		610		270	ug/Kg	8315A
Soluble						
Sulfate-Soluble		280		100	mg/Kg	300.0
Chloride-Soluble		91		52	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-11	**OC-SD-OPWD-SD/SP/SW-S-XXX**				
1,2,4-Trichlorobenzene	3.8	J	6.0	ug/Kg	8260C
2-Butanone (MEK)	43	J	60	ug/Kg	8260C
Acetone	210	J B	600	ug/Kg	8260C
2,4,4-Trimethyl-1-pentene	60		12	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene	8.0	J	12	ug/Kg	8260C
1,2,4-Trichlorobenzene	66	J	120	ug/Kg	8270D
4-Chlorophenyl phenyl ether	61	J	120	ug/Kg	8270D
Benzo[a]anthracene	98	J	120	ug/Kg	8270D
Benzo[a]pyrene	140		120	ug/Kg	8270D
Benzo[g,h,i]perylene	140		120	ug/Kg	8270D
Benzoic acid	420	J	580	ug/Kg	8270D
Benzophenone	200		120	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	120		120	ug/Kg	8270D
Carbazole	44	J	120	ug/Kg	8270D
Chrysene	210		120	ug/Kg	8270D
Fluoranthene	340		120	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	140		120	ug/Kg	8270D
N-Nitrosodiphenylamine	800		120	ug/Kg	8270D
Phenanthrene	100	J	140	ug/Kg	8270D
Diphenyl oxide	860		120	ug/Kg	8270D
Pyrene	350		120	ug/Kg	8270D
Aluminum	14000		9.9	mg/Kg	6010B
Arsenic	6.7		4.0	mg/Kg	6010B
Barium	10		2.0	mg/Kg	6010B
Beryllium	1.1		0.79	mg/Kg	6010B
Cadmium	0.62	J	0.79	mg/Kg	6010B
Calcium	2000	B	79	mg/Kg	6010B
Chromium	2400		2.0	mg/Kg	6010B
Cobalt	15		2.0	mg/Kg	6010B
Copper	39		4.0	mg/Kg	6010B
Iron	13000	B	20	mg/Kg	6010B
Lead	14		2.0	mg/Kg	6010B
Magnesium	1000	B	40	mg/Kg	6010B
Manganese	160		4.0	mg/Kg	6010B
Nickel	15		4.0	mg/Kg	6010B
Potassium	1400		790	mg/Kg	6010B
Silver	41		2.0	mg/Kg	6010B
Sodium	360	J	400	mg/Kg	6010B
Vanadium	11		4.0	mg/Kg	6010B
Zinc	100		9.9	mg/Kg	6010B
Tin	5.1	J B	20	mg/Kg	6010B
pH	7.19	HF		SU	9045C
Ammonia	540		4.2	mg/Kg	L107-06-1B
Total Organic Carbon	34000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	71		1.0	%	Moisture
Percent Solids	29		1.0	%	Moisture

Soluble

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Client Sample ID / Analyte	Result / Qualifier	Reporting Limit	Units	Method
Sulfate-Soluble	1500	140	mg/Kg	300.0
Chloride-Soluble	240	68	mg/Kg	300.0
Oxidation Reduction Potential-Soluble	150		millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-12	**OC-SD-SD-SD2-DUP**				
2-Butanone (MEK)	22	J	39	ug/Kg	8260C
Acetone	110	J B	390	ug/Kg	8260C
2,4,4-Trimethyl-1-pentene	23		7.9	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene	3.2	J	7.9	ug/Kg	8260C
1,3-Dichlorobenzene	24	J	58	ug/Kg	8270D
3 & 4 Methylphenol	1800		290	ug/Kg	8270D
Anthracene	21	J	58	ug/Kg	8270D
Benzaldehyde	410		58	ug/Kg	8270D
Benzo[a]anthracene	73		58	ug/Kg	8270D
Benzo[a]pyrene	100		58	ug/Kg	8270D
Benzo[b]fluoranthene	94		58	ug/Kg	8270D
Benzo[g,h,i]perylene	55	J	58	ug/Kg	8270D
Benzo[k]fluoranthene	38	J	58	ug/Kg	8270D
Benzophenone	31	J	58	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	430		58	ug/Kg	8270D
Chrysene	78		58	ug/Kg	8270D
Fluoranthene	170		58	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	64		58	ug/Kg	8270D
N-Nitrosodiphenylamine	290		58	ug/Kg	8270D
Phenanthrene	110		69	ug/Kg	8270D
Phenol	820		58	ug/Kg	8270D
Diphenyl oxide	150		58	ug/Kg	8270D
Pyrene	160		58	ug/Kg	8270D
C11-C22 Aromatics (unadjusted)	16		5.7	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)	16		5.7	mg/Kg	MA-EPH
C19-C36 Aliphatics	31		5.7	mg/Kg	MA-EPH
Total EPH	47		5.7	mg/Kg	MA-EPH
Aluminum	9700		4.7	mg/Kg	6010B
Arsenic	15		1.9	mg/Kg	6010B
Barium	86		0.93	mg/Kg	6010B
Beryllium	0.31	J	0.37	mg/Kg	6010B
Cadmium	0.28	J	0.37	mg/Kg	6010B
Calcium	4800	B	37	mg/Kg	6010B
Chromium	300		0.93	mg/Kg	6010B
Cobalt	5.3		0.93	mg/Kg	6010B
Copper	24		1.9	mg/Kg	6010B
Iron	15000	B	9.3	mg/Kg	6010B
Lead	30		0.93	mg/Kg	6010B
Magnesium	2000	B	19	mg/Kg	6010B
Manganese	260		1.9	mg/Kg	6010B
Nickel	11		1.9	mg/Kg	6010B
Potassium	850		370	mg/Kg	6010B
Silver	5.3		0.93	mg/Kg	6010B
Sodium	110	J	190	mg/Kg	6010B
Vanadium	16		1.9	mg/Kg	6010B
Zinc	57		4.7	mg/Kg	6010B
Tin	2.4	J B	9.3	mg/Kg	6010B
Mercury	0.057	J	0.11	mg/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
pH	7.69	HF		SU	9045C
Ammonia	220		3.9	mg/Kg	L107-06-1B
Total Organic Carbon	30000		1000	mg/Kg	Lloyd Kahn
Percent Moisture	43		1.0	%	Moisture
Percent Solids	57		1.0	%	Moisture
Formaldehyde	1200		180	ug/Kg	8315A
Acetaldehyde	90	J	350	ug/Kg	8315A
Soluble					
Sulfate-Soluble	510		69	mg/Kg	300.0
Chloride-Soluble	45		35	mg/Kg	300.0
Oxidation Reduction Potential-Soluble	82			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
360-31465-13	**OC-SD-SD-SD2-XXX**				
2-Butanone (MEK)	20	J	34	ug/Kg	8260C
Acetone	110	J B	340	ug/Kg	8260C
2,4,4-Trimethyl-1-pentene	37		6.8	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene	2.8	J	6.8	ug/Kg	8260C
1,1'-Biphenyl	16	J	55	ug/Kg	8270D
1,3-Dichlorobenzene	39	J	55	ug/Kg	8270D
3 & 4 Methylphenol	2000		270	ug/Kg	8270D
Acetophenone	90		55	ug/Kg	8270D
Anthracene	18	J	55	ug/Kg	8270D
Benzaldehyde	480		55	ug/Kg	8270D
Benzo[a]anthracene	60		55	ug/Kg	8270D
Benzo[a]pyrene	46	J	55	ug/Kg	8270D
Benzo[b]fluoranthene	75		55	ug/Kg	8270D
Benzo[g,h,i]perylene	54	J	55	ug/Kg	8270D
Benzo[k]fluoranthene	83		55	ug/Kg	8270D
Benzoic acid	47	J	270	ug/Kg	8270D
Benzophenone	30	J	55	ug/Kg	8270D
Benzyl alcohol	71	J	110	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	490		55	ug/Kg	8270D
Caprolactam	53	J	55	ug/Kg	8270D
Chrysene	60		55	ug/Kg	8270D
Dibenz(a,h)anthracene	31	J	55	ug/Kg	8270D
Fluoranthene	110		55	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	59		55	ug/Kg	8270D
N-Nitrosodiphenylamine	280		55	ug/Kg	8270D
Phenanthrene	71		66	ug/Kg	8270D
Phenol	1100		55	ug/Kg	8270D
Diphenyl oxide	190		55	ug/Kg	8270D
Pyrene	110		55	ug/Kg	8270D
C11-C22 Aromatics (unadjusted)	17		5.4	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)	17		5.4	mg/Kg	MA-EPH
C19-C36 Aliphatics	29		5.4	mg/Kg	MA-EPH
Total EPH	46		5.4	mg/Kg	MA-EPH
Aluminum	11000		4.5	mg/Kg	6010B
Arsenic	11		1.8	mg/Kg	6010B
Barium	45		0.91	mg/Kg	6010B
Beryllium	0.36		0.36	mg/Kg	6010B
Cadmium	0.31	J	0.36	mg/Kg	6010B
Calcium	4700	B	36	mg/Kg	6010B
Chromium	240		0.91	mg/Kg	6010B
Cobalt	5.3		0.91	mg/Kg	6010B
Copper	24		1.8	mg/Kg	6010B
Iron	16000	B	9.1	mg/Kg	6010B
Lead	35		0.91	mg/Kg	6010B
Magnesium	2700	B	18	mg/Kg	6010B
Manganese	280		1.8	mg/Kg	6010B
Nickel	11		1.8	mg/Kg	6010B
Potassium	1000		360	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Silver		4.1		0.91	mg/Kg	6010B
Sodium		100	J	180	mg/Kg	6010B
Vanadium		20		1.8	mg/Kg	6010B
Zinc		65		4.5	mg/Kg	6010B
Tin		2.0	J B	9.1	mg/Kg	6010B
Mercury		0.045	J	0.10	mg/Kg	7471A
pH		7.66	HF		SU	9045C
Ammonia		250		3.5	mg/Kg	L107-06-1B
Total Organic Carbon		30000		1000	mg/Kg	Lloyd Kahn
Percent Moisture		40		1.0	%	Moisture
Percent Solids		60		1.0	%	Moisture
Formaldehyde		980		160	ug/Kg	8315A
Acetaldehyde		76	J	330	ug/Kg	8315A
Soluble						
Sulfate-Soluble		700		64	mg/Kg	300.0
Chloride-Soluble		38		32	mg/Kg	300.0
Oxidation Reduction Potential-Soluble		100			millivolts	SM 2580B
360-31465-14	**OC-TBK-066**					
Acetone		23	J B	250	ug/Kg	8260C

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL WFD	MA DEP 8260C	
Closed System Purge and Trap	TAL WFD		SW846 5035
Semivolatile Organic Compounds (GC/MS) Low Level	TAL WFD	MA DEP 8270D	
Microwave Extraction	TAL WFD		SW846 3546
Massachusetts - Volatile Petroleum Hydrocarbons (GC)	TAL WFD	MA DEP MAVPH	
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
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
Deionized Water Leaching Procedure	TAL WFD		ASTM DI Leach
Nitrogen Ammonia	TAL WFD	LACHAT L107-06-1B	
Distillation, Ammonia	TAL WFD		Distill/Ammonia
Organic Carbon, Total (TOC)	TAL WFD	NJDEP Lloyd Kahn	
Percent Moisture	TAL WFD	EPA Moisture	
Chromium, Hexavalent (IC)	TAL EDI	SW846 7199	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
pH	TAL EDI	SW846 9045C	
Reduction-Oxidation (REDOX) Potential	TAL EDI	SM SM 2580B	
Deionized Water Leaching Procedure	TAL EDI		ASTM DI Leach
Carbonyl Compounds (HPLC)	TAL TAL	SW846 8315A	
Extraction (Carbonyl Compounds)	TAL TAL		SW846 8315_S_Prep
Maleic and Phthalic Acid (DAI/HPLC)	TAL TAL	TAL-TALL LC65	
Extraction (Maleic and Phthalic Acids)	TAL TAL		TAL-TALL LC65

Lab References:

TAL EDI = TestAmerica Edison

TAL TAL = TestAmerica Tallahassee

TAL WFD = TestAmerica Westfield

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Description	Lab Location	Method	Preparation Method

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

LACHAT = LACHAT

MA DEP = Massachusetts Department Of Environmental Protection

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

NJDEP = New Jersey Department of Environmental Protection

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

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

METHOD / ANALYST SUMMARY

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method	Analyst	Analyst ID
MA DEP 8260C	Rouleau, Catherine M	CMR
MA DEP 8270D	Tester, Carla	CT
MA DEP 8270D	Weigel, Brian	BW
MA DEP MAVPH	Rouleau, Catherine M	CMR
MA DEP MA-EPH	Sadowski, Scott	SS
SW846 6010B	Smith, Tim J	TJS
SW846 7471A	Nasiatka, Ellen M	EMN
MCAWW 300.0	Emerich, Rich W	RWE
SW846 7199	Kamenetskaya, Raisa	RK
SW846 9045C	Cabanganan, Maria	MB
LACHAT L107-06-1B	Emerich, Rich W	RWE
NJDEP Lloyd Kahn	Emerich, Rich W	RWE
EPA Moisture	Nasiatka, Ellen M	EMN
SM SM 2580B	Cabanganan, Maria	MB
SW846 8315A	Smith, Daniel N	DNS
TAL-TALL LC65	Driver, Robert	RD

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50609.D
Dilution:	1.0			Initial Weight/Volume:	6.03 g
Date Analyzed:	12/17/2010 1800			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.9	4.0
1,1,1-Trichloroethane		ND		3.2	4.0
1,1,2,2-Tetrachloroethane		ND		1.6	4.0
1,1,2-Trichloroethane		ND		1.6	4.0
1,1-Dichloroethane		ND		3.0	4.0
1,1-Dichloroethene		ND		2.5	4.0
1,1-Dichloropropene		ND		2.4	4.0
1,2,3-Trichlorobenzene		ND		1.8	4.0
1,2,3-Trichloropropane		ND		1.9	4.0
1,2,4-Trichlorobenzene		ND		1.6	4.0
1,2,4-Trimethylbenzene		ND		2.2	4.0
1,2-Dibromo-3-Chloropropane		ND		4.5	40
1,2-Dichlorobenzene		ND		1.6	4.0
1,2-Dichloroethane		ND		1.6	4.0
1,2-Dichloropropane		ND		2.5	4.0
1,3,5-Trimethylbenzene		ND		2.4	4.0
1,3-Dichlorobenzene		ND		1.6	4.0
1,3-Dichloropropane		ND		1.8	4.0
1,4-Dichlorobenzene		ND		1.6	4.0
1,4-Dioxane		ND		160	400
2,2-Dichloropropane		ND		3.3	4.0
2-Butanone (MEK)		32	J	17	40
2-Chlorotoluene		ND		2.1	4.0
2-Hexanone		ND		22	40
4-Chlorotoluene		ND		1.9	4.0
4-Isopropyltoluene		ND		2.4	4.0
4-Methyl-2-pentanone (MIBK)		ND		16	40
Acetone		150	J B	27	400
Benzene		ND		2.5	4.0
Bromobenzene		ND		1.6	4.0
Bromoform		ND		2.5	4.0
Bromomethane		ND		3.7	8.0
Carbon disulfide		ND		3.0	4.0
Carbon tetrachloride		ND		2.7	4.0
Chlorobenzene		ND		1.9	4.0
Chlorobromomethane		ND		2.2	4.0
Chlorodibromomethane		ND		1.9	4.0
Chloroethane		ND		3.2	8.0
Chloroform		ND		2.4	4.0
Chloromethane		ND		2.5	8.0
cis-1,2-Dichloroethene		2.4	J	1.9	4.0
cis-1,3-Dichloropropene		ND		1.6	4.0
Dibromomethane		ND		2.0	4.0
Dichlorobromomethane		ND		2.0	4.0
Dichlorodifluoromethane		ND	*	3.3	8.0
Ethyl ether		ND		1.7	4.0

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50609.D
Dilution:	1.0			Initial Weight/Volume:	6.03 g
Date Analyzed:	12/17/2010 1800			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		2.9	4.0
Ethylene Dibromide		ND		1.8	4.0
Hexachlorobutadiene		ND		2.4	4.0
Isopropyl ether		ND		1.8	4.0
Isopropylbenzene		ND		2.4	4.0
m-Xylene & p-Xylene		ND		5.6	8.0
Methyl tert-butyl ether		ND		2.4	4.0
Methylene Chloride		ND		16	16
n-Butylbenzene		ND		1.9	4.0
N-Propylbenzene		ND		2.7	4.0
Naphthalene		ND		3.7	40
o-Xylene		ND		2.1	4.0
sec-Butylbenzene		ND		2.2	4.0
Styrene		ND		1.6	4.0
Tert-amyl methyl ether		ND		2.4	4.0
Tert-butyl ethyl ether		ND		2.3	4.0
tert-Butylbenzene		ND		2.2	4.0
Tetrachloroethene		ND		2.9	4.0
Tetrahydrofuran		ND		20	40
Toluene		ND		2.9	4.0
trans-1,2-Dichloroethene		4.5		2.5	4.0
trans-1,3-Dichloropropene		ND		1.7	4.0
Trichloroethene		ND		3.3	4.0
Trichlorofluoromethane		ND		2.3	8.0
Vinyl chloride		ND		2.7	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.3	20
2,4,4-Trimethyl-1-pentene		9.6		2.6	8.0
2,4,4-Trimethyl-2-pentene		3.5	J	1.7	8.0
Cyclohexane		ND		1.6	40
Methyl acetate		ND		22	80
Methylcyclohexane		ND		2.5	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Toluene-d8 (Surr)	99		70 - 130
Dibromofluoromethane	98		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid % Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50609.D
Dilution:	1.0			Initial Weight/Volume:	6.03 g
Date Analyzed:	12/17/2010 1800			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	14.41	330	T J
	Unknown	14.57	20	T J
	Unknown	14.73	270	T J
	Unknown	14.88	170	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid
% Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50610.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Date Analyzed:	12/17/2010 1823			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		2.1	4.4
1,1,1-Trichloroethane		ND		3.5	4.4
1,1,2,2-Tetrachloroethane		ND		1.7	4.4
1,1,2-Trichloroethane		ND		1.7	4.4
1,1-Dichloroethane		ND		3.3	4.4
1,1-Dichloroethene		ND		2.8	4.4
1,1-Dichloropropene		ND		2.6	4.4
1,2,3-Trichlorobenzene		ND		1.9	4.4
1,2,3-Trichloropropane		ND		2.1	4.4
1,2,4-Trichlorobenzene		ND		1.7	4.4
1,2,4-Trimethylbenzene		ND		2.4	4.4
1,2-Dibromo-3-Chloropropane		ND		4.9	44
1,2-Dichlorobenzene		ND		1.7	4.4
1,2-Dichloroethane		ND		1.7	4.4
1,2-Dichloropropane		ND		2.8	4.4
1,3,5-Trimethylbenzene		ND		2.6	4.4
1,3-Dichlorobenzene		ND		1.7	4.4
1,3-Dichloropropane		ND		2.0	4.4
1,4-Dichlorobenzene		ND		1.7	4.4
1,4-Dioxane		ND		170	440
2,2-Dichloropropane		ND		3.7	4.4
2-Butanone (MEK)		ND		19	44
2-Chlorotoluene		ND		2.3	4.4
2-Hexanone		ND		24	44
4-Chlorotoluene		ND		2.1	4.4
4-Isopropyltoluene		ND		2.6	4.4
4-Methyl-2-pentanone (MIBK)		ND		18	44
Acetone		38	J B	30	440
Benzene		ND		2.8	4.4
Bromobenzene		ND		1.7	4.4
Bromoform		ND		2.8	4.4
Bromomethane		ND		4.0	8.7
Carbon disulfide		ND		3.3	4.4
Carbon tetrachloride		ND		3.0	4.4
Chlorobenzene		ND		2.1	4.4
Chlorobromomethane		ND		2.4	4.4
Chlorodibromomethane		ND		2.1	4.4
Chloroethane		ND		3.5	8.7
Chloroform		ND		2.6	4.4
Chloromethane		ND		2.8	8.7
cis-1,2-Dichloroethene		ND		2.1	4.4
cis-1,3-Dichloropropene		ND		1.7	4.4
Dibromomethane		ND		2.2	4.4
Dichlorobromomethane		ND		2.2	4.4
Dichlorodifluoromethane		ND	*	3.7	8.7
Ethyl ether		ND		1.8	4.4

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid
% Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50610.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Date Analyzed:	12/17/2010 1823			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		3.1	4.4
Ethylene Dibromide		ND		2.0	4.4
Hexachlorobutadiene		ND		2.6	4.4
Isopropyl ether		ND		2.0	4.4
Isopropylbenzene		ND		2.6	4.4
m-Xylene & p-Xylene		ND		6.1	8.7
Methyl tert-butyl ether		ND		2.6	4.4
Methylene Chloride		ND		17	17
n-Butylbenzene		ND		2.1	4.4
N-Propylbenzene		ND		3.0	4.4
Naphthalene		ND		4.0	44
o-Xylene		ND		2.3	4.4
sec-Butylbenzene		ND		2.4	4.4
Styrene		ND		1.7	4.4
Tert-amyl methyl ether		ND		2.6	4.4
Tert-butyl ethyl ether		ND		2.5	4.4
tert-Butylbenzene		ND		2.4	4.4
Tetrachloroethene		ND		3.1	4.4
Tetrahydrofuran		ND		22	44
Toluene		ND		3.1	4.4
trans-1,2-Dichloroethene		ND		2.8	4.4
trans-1,3-Dichloropropene		ND		1.8	4.4
Trichloroethene		ND		3.7	4.4
Trichlorofluoromethane		ND		2.5	8.7
Vinyl chloride		ND		3.0	4.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.5	22
2,4,4-Trimethyl-1-pentene		ND		2.9	8.7
2,4,4-Trimethyl-2-pentene		ND		1.9	8.7
Cyclohexane		ND		1.7	44
Methyl acetate		ND		24	87
Methylcyclohexane		ND		2.8	4.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130
Dibromofluoromethane	98		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid % Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50610.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Date Analyzed:	12/17/2010 1823			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50611.D
Dilution:	1.0			Initial Weight/Volume:	4.93 g
Date Analyzed:	12/17/2010 1847			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		2.4	5.0
1,1,1-Trichloroethane		ND		4.0	5.0
1,1,2,2-Tetrachloroethane		ND		2.0	5.0
1,1,2-Trichloroethane		ND		2.0	5.0
1,1-Dichloroethane		ND		3.8	5.0
1,1-Dichloroethene		ND		3.2	5.0
1,1-Dichloropropene		ND		3.0	5.0
1,2,3-Trichlorobenzene		ND		2.2	5.0
1,2,3-Trichloropropane		ND		2.4	5.0
1,2,4-Trichlorobenzene		ND		2.0	5.0
1,2,4-Trimethylbenzene		ND		2.8	5.0
1,2-Dibromo-3-Chloropropane		ND		5.6	50
1,2-Dichlorobenzene		ND		2.0	5.0
1,2-Dichloroethane		ND		2.0	5.0
1,2-Dichloropropane		ND		3.2	5.0
1,3,5-Trimethylbenzene		ND		3.0	5.0
1,3-Dichlorobenzene		ND		2.0	5.0
1,3-Dichloropropane		ND		2.3	5.0
1,4-Dichlorobenzene		ND		2.0	5.0
1,4-Dioxane		ND		200	500
2,2-Dichloropropane		ND		4.2	5.0
2-Butanone (MEK)		ND		22	50
2-Chlorotoluene		ND		2.6	5.0
2-Hexanone		ND		28	50
4-Chlorotoluene		ND		2.4	5.0
4-Isopropyltoluene		ND		3.0	5.0
4-Methyl-2-pentanone (MIBK)		ND		20	50
Acetone		79	J B	34	500
Benzene		ND		3.2	5.0
Bromobenzene		ND		2.0	5.0
Bromoform		ND		3.2	5.0
Bromomethane		ND		4.6	10
Carbon disulfide		ND		3.8	5.0
Carbon tetrachloride		ND		3.4	5.0
Chlorobenzene		ND		2.4	5.0
Chlorobromomethane		ND		2.8	5.0
Chlorodibromomethane		ND		2.4	5.0
Chloroethane		ND		4.0	10
Chloroform		ND		3.0	5.0
Chloromethane		ND		3.2	10
cis-1,2-Dichloroethene		ND		2.4	5.0
cis-1,3-Dichloropropene		ND		2.0	5.0
Dibromomethane		ND		2.5	5.0
Dichlorobromomethane		ND		2.6	5.0
Dichlorodifluoromethane		ND	*	4.2	10
Ethyl ether		ND		2.1	5.0

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50611.D
Dilution:	1.0			Initial Weight/Volume:	4.93 g
Date Analyzed:	12/17/2010 1847			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		3.6	5.0
Ethylene Dibromide		ND		2.2	5.0
Hexachlorobutadiene		ND		3.0	5.0
Isopropyl ether		ND		2.2	5.0
Isopropylbenzene		ND		3.0	5.0
m-Xylene & p-Xylene		ND		7.0	10
Methyl tert-butyl ether		ND		3.0	5.0
Methylene Chloride		ND		20	20
n-Butylbenzene		ND		2.4	5.0
N-Propylbenzene		ND		3.4	5.0
Naphthalene		ND		4.6	50
o-Xylene		ND		2.6	5.0
sec-Butylbenzene		ND		2.8	5.0
Styrene		ND		2.0	5.0
Tert-amyl methyl ether		ND		3.0	5.0
Tert-butyl ethyl ether		ND		2.9	5.0
tert-Butylbenzene		ND		2.8	5.0
Tetrachloroethene		ND		3.6	5.0
Tetrahydrofuran		ND		25	50
Toluene		ND		3.6	5.0
trans-1,2-Dichloroethene		ND		3.2	5.0
trans-1,3-Dichloropropene		ND		2.1	5.0
Trichloroethene		ND		4.2	5.0
Trichlorofluoromethane		ND		2.8	10
Vinyl chloride		ND		3.4	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.9	25
2,4,4-Trimethyl-1-pentene		ND		3.3	10
2,4,4-Trimethyl-2-pentene		ND		2.2	10
Cyclohexane		ND		2.0	50
Methyl acetate		ND		28	100
Methylcyclohexane		ND		3.2	5.0

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50611.D
Dilution:	1.0			Initial Weight/Volume:	4.93 g
Date Analyzed:	12/17/2010 1847			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid
% Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50625.D
Dilution:	1.0			Initial Weight/Volume:	4.60 g
Date Analyzed:	12/18/2010 0025			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		3.0	6.2
1,1,1-Trichloroethane		ND		5.0	6.2
1,1,2,2-Tetrachloroethane		ND		2.5	6.2
1,1,2-Trichloroethane		ND		2.5	6.2
1,1-Dichloroethane		ND		4.7	6.2
1,1-Dichloroethene		ND		4.0	6.2
1,1-Dichloropropene		ND		3.7	6.2
1,2,3-Trichlorobenzene		ND		2.7	6.2
1,2,3-Trichloropropane		ND		3.0	6.2
1,2,4-Trichlorobenzene		ND		2.5	6.2
1,2,4-Trimethylbenzene		ND		3.5	6.2
1,2-Dibromo-3-Chloropropane		ND		7.0	62
1,2-Dichlorobenzene		31		2.5	6.2
1,2-Dichloroethane		ND		2.5	6.2
1,2-Dichloropropane		ND		4.0	6.2
1,3,5-Trimethylbenzene		ND		3.7	6.2
1,3-Dichlorobenzene		ND		2.5	6.2
1,3-Dichloropropane		ND		2.8	6.2
1,4-Dichlorobenzene		ND		2.5	6.2
1,4-Dioxane		ND		250	620
2,2-Dichloropropane		ND		5.2	6.2
2-Butanone (MEK)		69		27	62
2-Chlorotoluene		ND		3.2	6.2
2-Hexanone		ND		35	62
4-Chlorotoluene		ND		3.0	6.2
4-Isopropyltoluene		ND		3.7	6.2
4-Methyl-2-pentanone (MIBK)		ND		25	62
Acetone		300	J B	43	620
Benzene		ND		4.0	6.2
Bromobenzene		ND		2.5	6.2
Bromoform		ND		4.0	6.2
Bromomethane		ND		5.7	12
Carbon disulfide		ND		4.7	6.2
Carbon tetrachloride		ND		4.2	6.2
Chlorobenzene		59		3.0	6.2
Chlorobromomethane		ND		3.4	6.2
Chlorodibromomethane		ND		3.0	6.2
Chloroethane		ND		5.0	12
Chloroform		ND		3.7	6.2
Chloromethane		ND		4.0	12
cis-1,2-Dichloroethene		ND		2.9	6.2
cis-1,3-Dichloropropene		ND		2.5	6.2
Dibromomethane		ND		3.1	6.2
Dichlorobromomethane		ND		3.2	6.2
Dichlorodifluoromethane		ND	*	5.2	12
Ethyl ether		ND		2.6	6.2

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid
% Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50625.D
Dilution:	1.0			Initial Weight/Volume:	4.60 g
Date Analyzed:	12/18/2010 0025			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		4.5	6.2
Ethylene Dibromide		ND		2.8	6.2
Hexachlorobutadiene		ND		3.7	6.2
Isopropyl ether		ND		2.8	6.2
Isopropylbenzene		ND		3.7	6.2
m-Xylene & p-Xylene		ND		8.7	12
Methyl tert-butyl ether		ND		3.7	6.2
Methylene Chloride		ND		24	25
n-Butylbenzene		ND		3.0	6.2
N-Propylbenzene		ND		4.2	6.2
Naphthalene		ND		5.7	62
o-Xylene		ND		3.2	6.2
sec-Butylbenzene		4.6	J	3.5	6.2
Styrene		ND		2.5	6.2
Tert-amyl methyl ether		ND		3.7	6.2
Tert-butyl ethyl ether		ND		3.6	6.2
tert-Butylbenzene		ND		3.5	6.2
Tetrachloroethene		ND		4.5	6.2
Tetrahydrofuran		ND		31	62
Toluene		ND		4.5	6.2
trans-1,2-Dichloroethene		ND		4.0	6.2
trans-1,3-Dichloropropene		ND		2.6	6.2
Trichloroethene		ND		5.2	6.2
Trichlorofluoromethane		ND		3.5	12
Vinyl chloride		ND		4.2	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.6	31
2,4,4-Trimethyl-1-pentene		ND		4.1	12
2,4,4-Trimethyl-2-pentene		ND		2.7	12
Cyclohexane		ND		2.5	62
Methyl acetate		ND		35	120
Methylcyclohexane		ND		4.0	6.2

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid % Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50625.D
Dilution:	1.0			Initial Weight/Volume:	4.60 g
Date Analyzed:	12/18/2010 0025			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	11.03	41	T J
	Unknown	11.42	96	T J
2958-75-0	1-Methyldecahydronaphthalene	11.63	43	T J N
	Unknown	12.03	41	T J
	Unknown	12.16	68	T J
	Unknown	12.78	68	T J
	Unknown	13.02	53	T J
	Unknown	13.46	52	T J
	Unknown	13.64	33	T J
	Unknown	13.75	37	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50612.D
Dilution:	1.0			Initial Weight/Volume:	5.86 g
Date Analyzed:	12/17/2010 1911			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.8	3.7
1,1,1-Trichloroethane		ND		3.0	3.7
1,1,2,2-Tetrachloroethane		ND		1.5	3.7
1,1,2-Trichloroethane		ND		1.5	3.7
1,1-Dichloroethane		ND		2.8	3.7
1,1-Dichloroethene		ND		2.4	3.7
1,1-Dichloropropene		ND		2.2	3.7
1,2,3-Trichlorobenzene		ND		1.6	3.7
1,2,3-Trichloropropane		ND		1.8	3.7
1,2,4-Trichlorobenzene		ND		1.5	3.7
1,2,4-Trimethylbenzene		ND		2.1	3.7
1,2-Dibromo-3-Chloropropane		ND		4.2	37
1,2-Dichlorobenzene		ND		1.5	3.7
1,2-Dichloroethane		ND		1.5	3.7
1,2-Dichloropropane		ND		2.4	3.7
1,3,5-Trimethylbenzene		ND		2.2	3.7
1,3-Dichlorobenzene		ND		1.5	3.7
1,3-Dichloropropane		ND		1.7	3.7
1,4-Dichlorobenzene		ND		1.5	3.7
1,4-Dioxane		ND		150	370
2,2-Dichloropropane		ND		3.1	3.7
2-Butanone (MEK)		ND		16	37
2-Chlorotoluene		ND		1.9	3.7
2-Hexanone		ND		21	37
4-Chlorotoluene		ND		1.8	3.7
4-Isopropyltoluene		ND		2.2	3.7
4-Methyl-2-pentanone (MIBK)		ND		15	37
Acetone		41	J B	26	370
Benzene		ND		2.4	3.7
Bromobenzene		ND		1.5	3.7
Bromoform		ND		2.4	3.7
Bromomethane		ND		3.4	7.5
Carbon disulfide		ND		2.8	3.7
Carbon tetrachloride		ND		2.5	3.7
Chlorobenzene		ND		1.8	3.7
Chlorobromomethane		ND		2.1	3.7
Chlorodibromomethane		ND		1.8	3.7
Chloroethane		ND		3.0	7.5
Chloroform		ND		2.2	3.7
Chloromethane		ND		2.4	7.5
cis-1,2-Dichloroethene		ND		1.8	3.7
cis-1,3-Dichloropropene		ND		1.5	3.7
Dibromomethane		ND		1.9	3.7
Dichlorobromomethane		ND		1.9	3.7
Dichlorodifluoromethane		ND	*	3.1	7.5
Ethyl ether		ND		1.6	3.7

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50612.D
Dilution:	1.0			Initial Weight/Volume:	5.86 g
Date Analyzed:	12/17/2010 1911			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		2.7	3.7
Ethylene Dibromide		ND		1.7	3.7
Hexachlorobutadiene		ND		2.2	3.7
Isopropyl ether		ND		1.7	3.7
Isopropylbenzene		ND		2.2	3.7
m-Xylene & p-Xylene		ND		5.2	7.5
Methyl tert-butyl ether		ND		2.2	3.7
Methylene Chloride		ND		15	15
n-Butylbenzene		ND		1.8	3.7
N-Propylbenzene		ND		2.5	3.7
Naphthalene		ND		3.4	37
o-Xylene		ND		1.9	3.7
sec-Butylbenzene		ND		2.1	3.7
Styrene		ND		1.5	3.7
Tert-amyl methyl ether		ND		2.2	3.7
Tert-butyl ethyl ether		ND		2.1	3.7
tert-Butylbenzene		ND		2.1	3.7
Tetrachloroethene		ND		2.7	3.7
Tetrahydrofuran		ND		19	37
Toluene		ND		2.7	3.7
trans-1,2-Dichloroethene		ND		2.4	3.7
trans-1,3-Dichloropropene		ND		1.6	3.7
Trichloroethene		ND		3.1	3.7
Trichlorofluoromethane		ND		2.1	7.5
Vinyl chloride		ND		2.5	3.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	19
2,4,4-Trimethyl-1-pentene		ND		2.4	7.5
2,4,4-Trimethyl-2-pentene		ND		1.6	7.5
Cyclohexane		ND		1.5	37
Methyl acetate		ND		21	75
Methylcyclohexane		ND		2.4	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Toluene-d8 (Surr)	101		70 - 130
Dibromofluoromethane	98		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid % Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50612.D
Dilution:	1.0			Initial Weight/Volume:	5.86 g
Date Analyzed:	12/17/2010 1911			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
15220-85-6	1-Propene, 2-methyl-, tetramer	14.41	47	T J N
	Unknown	14.73	40	T J
	Unknown	14.88	26	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid
% Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50613.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Date Analyzed:	12/17/2010 1935			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.6	3.3
1,1,1-Trichloroethane		ND		2.6	3.3
1,1,2,2-Tetrachloroethane		ND		1.3	3.3
1,1,2-Trichloroethane		ND		1.3	3.3
1,1-Dichloroethane		ND		2.5	3.3
1,1-Dichloroethene		ND		2.1	3.3
1,1-Dichloropropene		ND		2.0	3.3
1,2,3-Trichlorobenzene		ND		1.5	3.3
1,2,3-Trichloropropane		ND		1.6	3.3
1,2,4-Trichlorobenzene		ND		1.3	3.3
1,2,4-Trimethylbenzene		ND		1.9	3.3
1,2-Dibromo-3-Chloropropane		ND		3.7	33
1,2-Dichlorobenzene		ND		1.3	3.3
1,2-Dichloroethane		ND		1.3	3.3
1,2-Dichloropropane		ND		2.1	3.3
1,3,5-Trimethylbenzene		ND		2.0	3.3
1,3-Dichlorobenzene		ND		1.3	3.3
1,3-Dichloropropane		ND		1.5	3.3
1,4-Dichlorobenzene		ND		1.3	3.3
1,4-Dioxane		ND		130	330
2,2-Dichloropropane		ND		2.8	3.3
2-Butanone (MEK)		ND		14	33
2-Chlorotoluene		ND		1.7	3.3
2-Hexanone		ND		19	33
4-Chlorotoluene		ND		1.6	3.3
4-Isopropyltoluene		2.6	J	2.0	3.3
4-Methyl-2-pentanone (MIBK)		ND		13	33
Acetone		62	J B	23	330
Benzene		ND		2.1	3.3
Bromobenzene		ND		1.3	3.3
Bromoform		ND		2.1	3.3
Bromomethane		ND		3.0	6.6
Carbon disulfide		ND		2.5	3.3
Carbon tetrachloride		ND		2.2	3.3
Chlorobenzene		ND		1.6	3.3
Chlorobromomethane		ND		1.8	3.3
Chlorodibromomethane		ND		1.6	3.3
Chloroethane		ND		2.6	6.6
Chloroform		ND		2.0	3.3
Chloromethane		ND		2.1	6.6
cis-1,2-Dichloroethene		ND		1.6	3.3
cis-1,3-Dichloropropene		ND		1.3	3.3
Dibromomethane		ND		1.7	3.3
Dichlorobromomethane		ND		1.7	3.3
Dichlorodifluoromethane		ND	*	2.8	6.6
Ethyl ether		ND		1.4	3.3

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50613.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Date Analyzed:	12/17/2010 1935			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		2.4	3.3
Ethylene Dibromide		ND		1.5	3.3
Hexachlorobutadiene		ND		2.0	3.3
Isopropyl ether		ND		1.5	3.3
Isopropylbenzene		ND		2.0	3.3
m-Xylene & p-Xylene		ND		4.6	6.6
Methyl tert-butyl ether		ND		2.0	3.3
Methylene Chloride		ND		13	13
n-Butylbenzene		ND		1.6	3.3
N-Propylbenzene		ND		2.2	3.3
Naphthalene		ND		3.0	33
o-Xylene		ND		1.7	3.3
sec-Butylbenzene		ND		1.9	3.3
Styrene		ND		1.3	3.3
Tert-amyl methyl ether		ND		2.0	3.3
Tert-butyl ethyl ether		ND		1.9	3.3
tert-Butylbenzene		ND		1.9	3.3
Tetrachloroethene		ND		2.4	3.3
Tetrahydrofuran		ND		16	33
Toluene		ND		2.4	3.3
trans-1,2-Dichloroethene		ND		2.1	3.3
trans-1,3-Dichloropropene		ND		1.4	3.3
Trichloroethene		ND		2.8	3.3
Trichlorofluoromethane		ND		1.9	6.6
Vinyl chloride		ND		2.2	3.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.9	17
2,4,4-Trimethyl-1-pentene		ND		2.2	6.6
2,4,4-Trimethyl-2-pentene		ND		1.4	6.6
Cyclohexane		ND		1.3	33
Methyl acetate		ND		19	66
Methylcyclohexane		ND		2.1	3.3

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50613.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Date Analyzed:	12/17/2010 1935			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50614.D
Dilution:	1.0			Initial Weight/Volume:	7.00 g
Date Analyzed:	12/17/2010 1959			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.3
1,1,1-Trichloroethane		ND		1.8	2.3
1,1,2,2-Tetrachloroethane		ND		0.92	2.3
1,1,2-Trichloroethane		ND		0.92	2.3
1,1-Dichloroethane		ND		1.8	2.3
1,1-Dichloroethene		ND		1.5	2.3
1,1-Dichloropropene		ND		1.4	2.3
1,2,3-Trichlorobenzene		ND		1.0	2.3
1,2,3-Trichloropropane		ND		1.1	2.3
1,2,4-Trichlorobenzene		ND		0.92	2.3
1,2,4-Trimethylbenzene		ND		1.3	2.3
1,2-Dibromo-3-Chloropropane		ND		2.6	23
1,2-Dichlorobenzene		ND		0.92	2.3
1,2-Dichloroethane		ND		0.92	2.3
1,2-Dichloropropane		ND		1.5	2.3
1,3,5-Trimethylbenzene		ND		1.4	2.3
1,3-Dichlorobenzene		ND		0.92	2.3
1,3-Dichloropropane		ND		1.1	2.3
1,4-Dichlorobenzene		ND		0.92	2.3
1,4-Dioxane		ND		92	230
2,2-Dichloropropane		ND		1.9	2.3
2-Butanone (MEK)		ND		10	23
2-Chlorotoluene		ND		1.2	2.3
2-Hexanone		ND		13	23
4-Chlorotoluene		ND		1.1	2.3
4-Isopropyltoluene		ND		1.4	2.3
4-Methyl-2-pentanone (MIBK)		ND		9.4	23
Acetone		36	J B	16	230
Benzene		ND		1.5	2.3
Bromobenzene		ND		0.92	2.3
Bromoform		ND		1.5	2.3
Bromomethane		ND		2.1	4.6
Carbon disulfide		ND		1.8	2.3
Carbon tetrachloride		ND		1.6	2.3
Chlorobenzene		ND		1.1	2.3
Chlorobromomethane		ND		1.3	2.3
Chlorodibromomethane		ND		1.1	2.3
Chloroethane		ND		1.8	4.6
Chloroform		ND		1.4	2.3
Chloromethane		ND		1.5	4.6
cis-1,2-Dichloroethene		ND		1.1	2.3
cis-1,3-Dichloropropene		ND		0.92	2.3
Dibromomethane		ND		1.2	2.3
Dichlorobromomethane		ND		1.2	2.3
Dichlorodifluoromethane		ND	*	1.9	4.6
Ethyl ether		ND		0.98	2.3

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50614.D
Dilution:	1.0			Initial Weight/Volume:	7.00 g
Date Analyzed:	12/17/2010 1959			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		1.7	2.3
Ethylene Dibromide		ND		1.0	2.3
Hexachlorobutadiene		ND		1.4	2.3
Isopropyl ether		ND		1.0	2.3
Isopropylbenzene		ND		1.4	2.3
m-Xylene & p-Xylene		ND		3.2	4.6
Methyl tert-butyl ether		ND		1.4	2.3
Methylene Chloride		ND		9.0	9.2
n-Butylbenzene		ND		1.1	2.3
N-Propylbenzene		ND		1.6	2.3
Naphthalene		ND		2.1	23
o-Xylene		ND		1.2	2.3
sec-Butylbenzene		ND		1.3	2.3
Styrene		ND		0.92	2.3
Tert-amyl methyl ether		ND		1.4	2.3
Tert-butyl ethyl ether		ND		1.3	2.3
tert-Butylbenzene		ND		1.3	2.3
Tetrachloroethene		ND		1.7	2.3
Tetrahydrofuran		ND		11	23
Toluene		ND		1.7	2.3
trans-1,2-Dichloroethene		ND		1.5	2.3
trans-1,3-Dichloropropene		ND		0.96	2.3
Trichloroethene		ND		1.9	2.3
Trichlorofluoromethane		ND		1.3	4.6
Vinyl chloride		ND		1.6	2.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	12
2,4,4-Trimethyl-1-pentene		ND		1.5	4.6
2,4,4-Trimethyl-2-pentene		ND		1.0	4.6
Cyclohexane		ND		0.92	23
Methyl acetate		ND		13	46
Methylcyclohexane		ND		1.5	2.3

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid % Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50614.D
Dilution:	1.0			Initial Weight/Volume:	7.00 g
Date Analyzed:	12/17/2010 1959			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-064**

Lab Sample ID: 360-31465-8
Client Matrix: Solid

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50615.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	12/17/2010 2024			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.2	2.5
1,1,1-Trichloroethane		ND		2.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.9	2.5
1,1-Dichloroethene		ND		1.6	2.5
1,1-Dichloropropene		ND		1.5	2.5
1,2,3-Trichlorobenzene		ND		1.1	2.5
1,2,3-Trichloropropane		ND		1.2	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.4	2.5
1,2-Dibromo-3-Chloropropane		ND		2.8	25
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
1,2-Dichloropropane		ND		1.6	2.5
1,3,5-Trimethylbenzene		ND		1.5	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.1	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		100	250
2,2-Dichloropropane		ND		2.1	2.5
2-Butanone (MEK)		ND		11	25
2-Chlorotoluene		ND		1.3	2.5
2-Hexanone		ND		14	25
4-Chlorotoluene		ND		1.2	2.5
4-Isopropyltoluene		ND		1.5	2.5
4-Methyl-2-pentanone (MIBK)		ND		10	25
Acetone		23	J B	17	250
Benzene		ND		1.6	2.5
Bromobenzene		ND		1.0	2.5
Bromoform		ND		1.6	2.5
Bromomethane		ND		2.3	5.0
Carbon disulfide		ND		1.9	2.5
Carbon tetrachloride		ND		1.7	2.5
Chlorobenzene		ND		1.2	2.5
Chlorobromomethane		ND		1.4	2.5
Chlorodibromomethane		ND		1.2	2.5
Chloroethane		ND		2.0	5.0
Chloroform		ND		1.5	2.5
Chloromethane		ND		1.6	5.0
cis-1,2-Dichloroethene		ND		1.2	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Dibromomethane		ND		1.3	2.5
Dichlorobromomethane		ND		1.3	2.5
Dichlorodifluoromethane		ND	*	2.1	5.0
Ethyl ether		ND		1.1	2.5

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-064**

Lab Sample ID: 360-31465-8
Client Matrix: Solid

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50615.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	12/17/2010 2024			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		1.8	2.5
Ethylene Dibromide		ND		1.1	2.5
Hexachlorobutadiene		ND		1.5	2.5
Isopropyl ether		ND		1.1	2.5
Isopropylbenzene		ND		1.5	2.5
m-Xylene & p-Xylene		ND		3.5	5.0
Methyl tert-butyl ether		ND		1.5	2.5
Methylene Chloride		ND		9.8	10
n-Butylbenzene		ND		1.2	2.5
N-Propylbenzene		ND		1.7	2.5
Naphthalene		ND		2.3	25
o-Xylene		ND		1.3	2.5
sec-Butylbenzene		ND		1.4	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.5	2.5
Tert-butyl ethyl ether		ND		1.4	2.5
tert-Butylbenzene		ND		1.4	2.5
Tetrachloroethene		ND		1.8	2.5
Tetrahydrofuran		ND		12	25
Toluene		ND		1.8	2.5
trans-1,2-Dichloroethene		ND		1.6	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		2.1	2.5
Trichlorofluoromethane		ND		1.4	5.0
Vinyl chloride		ND		1.7	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	12
2,4,4-Trimethyl-1-pentene		ND		1.6	5.0
2,4,4-Trimethyl-2-pentene		ND		1.1	5.0
Cyclohexane		ND		1.0	25
Methyl acetate		ND		14	50
Methylcyclohexane		ND		1.6	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Toluene-d8 (Surr)	103		70 - 130
Dibromofluoromethane	97		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-064**

Lab Sample ID: 360-31465-8
Client Matrix: Solid

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50615.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	12/17/2010 2024			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50616.D
Dilution:	1.0			Initial Weight/Volume:	6.20 g
Date Analyzed:	12/17/2010 2048			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.7	3.5
1,1,1-Trichloroethane		ND		2.8	3.5
1,1,2,2-Tetrachloroethane		ND		1.4	3.5
1,1,2-Trichloroethane		ND		1.4	3.5
1,1-Dichloroethane		ND		2.6	3.5
1,1-Dichloroethene		ND		2.2	3.5
1,1-Dichloropropene		ND		2.1	3.5
1,2,3-Trichlorobenzene		ND		1.5	3.5
1,2,3-Trichloropropane		ND		1.7	3.5
1,2,4-Trichlorobenzene		ND		1.4	3.5
1,2,4-Trimethylbenzene		ND		1.9	3.5
1,2-Dibromo-3-Chloropropane		ND		3.9	35
1,2-Dichlorobenzene		ND		1.4	3.5
1,2-Dichloroethane		ND		1.4	3.5
1,2-Dichloropropane		ND		2.2	3.5
1,3,5-Trimethylbenzene		ND		2.1	3.5
1,3-Dichlorobenzene		ND		1.4	3.5
1,3-Dichloropropane		ND		1.6	3.5
1,4-Dichlorobenzene		ND		1.4	3.5
1,4-Dioxane		ND		140	350
2,2-Dichloropropane		ND		2.9	3.5
2-Butanone (MEK)		ND		15	35
2-Chlorotoluene		ND		1.8	3.5
2-Hexanone		ND		19	35
4-Chlorotoluene		ND		1.7	3.5
4-Isopropyltoluene		ND		2.1	3.5
4-Methyl-2-pentanone (MIBK)		ND		14	35
Acetone		70	J B	24	350
Benzene		ND		2.2	3.5
Bromobenzene		ND		1.4	3.5
Bromoform		ND		2.2	3.5
Bromomethane		ND		3.2	7.0
Carbon disulfide		ND		2.6	3.5
Carbon tetrachloride		ND		2.4	3.5
Chlorobenzene		ND		1.7	3.5
Chlorobromomethane		ND		1.9	3.5
Chlorodibromomethane		ND		1.7	3.5
Chloroethane		ND		2.8	7.0
Chloroform		ND		2.1	3.5
Chloromethane		ND		2.2	7.0
cis-1,2-Dichloroethene		ND		1.6	3.5
cis-1,3-Dichloropropene		ND		1.4	3.5
Dibromomethane		ND		1.8	3.5
Dichlorobromomethane		ND		1.8	3.5
Dichlorodifluoromethane		ND	*	2.9	7.0
Ethyl ether		ND		1.5	3.5

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50616.D
Dilution:	1.0			Initial Weight/Volume:	6.20 g
Date Analyzed:	12/17/2010 2048			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		2.5	3.5
Ethylene Dibromide		ND		1.6	3.5
Hexachlorobutadiene		ND		2.1	3.5
Isopropyl ether		ND		1.6	3.5
Isopropylbenzene		ND		2.1	3.5
m-Xylene & p-Xylene		ND		4.9	7.0
Methyl tert-butyl ether		ND		2.1	3.5
Methylene Chloride		ND		14	14
n-Butylbenzene		ND		1.7	3.5
N-Propylbenzene		ND		2.4	3.5
Naphthalene		ND		3.2	35
o-Xylene		ND		1.8	3.5
sec-Butylbenzene		ND		1.9	3.5
Styrene		ND		1.4	3.5
Tert-amyl methyl ether		ND		2.1	3.5
Tert-butyl ethyl ether		ND		2.0	3.5
tert-Butylbenzene		ND		1.9	3.5
Tetrachloroethene		ND		2.5	3.5
Tetrahydrofuran		ND		17	35
Toluene		ND		2.5	3.5
trans-1,2-Dichloroethene		ND		2.2	3.5
trans-1,3-Dichloropropene		ND		1.4	3.5
Trichloroethene		ND		2.9	3.5
Trichlorofluoromethane		ND		2.0	7.0
Vinyl chloride		ND		2.4	3.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	17
2,4,4-Trimethyl-1-pentene		ND		2.3	7.0
2,4,4-Trimethyl-2-pentene		ND		1.5	7.0
Cyclohexane		ND		1.4	35
Methyl acetate		ND		19	70
Methylcyclohexane		ND		2.2	3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Toluene-d8 (Surr)	102		70 - 130
Dibromofluoromethane	97		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid % Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50616.D
Dilution:	1.0			Initial Weight/Volume:	6.20 g
Date Analyzed:	12/17/2010 2048			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50617.D
Dilution:	1.0			Initial Weight/Volume:	4.96 g
Date Analyzed:	12/17/2010 2112			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		3.2	6.7
1,1,1-Trichloroethane		ND		5.4	6.7
1,1,2,2-Tetrachloroethane		ND		2.7	6.7
1,1,2-Trichloroethane		ND		2.7	6.7
1,1-Dichloroethane		ND		5.1	6.7
1,1-Dichloroethene		ND		4.3	6.7
1,1-Dichloropropene		ND		4.0	6.7
1,2,3-Trichlorobenzene		ND		3.0	6.7
1,2,3-Trichloropropane		ND		3.2	6.7
1,2,4-Trichlorobenzene		ND		2.7	6.7
1,2,4-Trimethylbenzene		ND		3.8	6.7
1,2-Dibromo-3-Chloropropane		ND		7.6	67
1,2-Dichlorobenzene		ND		2.7	6.7
1,2-Dichloroethane		ND		2.7	6.7
1,2-Dichloropropane		ND		4.3	6.7
1,3,5-Trimethylbenzene		ND		4.0	6.7
1,3-Dichlorobenzene		ND		2.7	6.7
1,3-Dichloropropane		ND		3.1	6.7
1,4-Dichlorobenzene		ND		2.7	6.7
1,4-Dioxane		ND		270	670
2,2-Dichloropropane		ND		5.7	6.7
2-Butanone (MEK)		ND		29	67
2-Chlorotoluene		ND		3.5	6.7
2-Hexanone		ND		38	67
4-Chlorotoluene		ND		3.2	6.7
4-Isopropyltoluene		ND		4.0	6.7
4-Methyl-2-pentanone (MIBK)		ND		28	67
Acetone		90	J B	46	670
Benzene		ND		4.3	6.7
Bromobenzene		ND		2.7	6.7
Bromoform		ND		4.3	6.7
Bromomethane		ND		6.2	13
Carbon disulfide		ND		5.1	6.7
Carbon tetrachloride		ND		4.6	6.7
Chlorobenzene		ND		3.2	6.7
Chlorobromomethane		ND		3.7	6.7
Chlorodibromomethane		ND		3.2	6.7
Chloroethane		ND		5.4	13
Chloroform		ND		4.0	6.7
Chloromethane		ND		4.3	13
cis-1,2-Dichloroethene		ND		3.2	6.7
cis-1,3-Dichloropropene		ND		2.7	6.7
Dibromomethane		ND		3.4	6.7
Dichlorobromomethane		ND		3.5	6.7
Dichlorodifluoromethane		ND	*	5.7	13
Ethyl ether		ND		2.9	6.7

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50617.D
Dilution:	1.0			Initial Weight/Volume:	4.96 g
Date Analyzed:	12/17/2010 2112			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		4.9	6.7
Ethylene Dibromide		ND		3.0	6.7
Hexachlorobutadiene		ND		4.0	6.7
Isopropyl ether		ND		3.0	6.7
Isopropylbenzene		ND		4.0	6.7
m-Xylene & p-Xylene		ND		9.4	13
Methyl tert-butyl ether		ND		4.0	6.7
Methylene Chloride		ND		26	27
n-Butylbenzene		ND		3.2	6.7
N-Propylbenzene		ND		4.6	6.7
Naphthalene		ND		6.2	67
o-Xylene		ND		3.5	6.7
sec-Butylbenzene		ND		3.8	6.7
Styrene		ND		2.7	6.7
Tert-amyl methyl ether		ND		4.0	6.7
Tert-butyl ethyl ether		ND		3.9	6.7
tert-Butylbenzene		ND		3.8	6.7
Tetrachloroethene		ND		4.9	6.7
Tetrahydrofuran		ND		33	67
Toluene		ND		4.9	6.7
trans-1,2-Dichloroethene		ND		4.3	6.7
trans-1,3-Dichloropropene		ND		2.8	6.7
Trichloroethene		ND		5.7	6.7
Trichlorofluoromethane		ND		3.8	13
Vinyl chloride		ND		4.6	6.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.9	34
2,4,4-Trimethyl-1-pentene		ND		4.4	13
2,4,4-Trimethyl-2-pentene		ND		2.9	13
Cyclohexane		ND		2.7	67
Methyl acetate		ND		38	130
Methylcyclohexane		ND		4.3	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Toluene-d8 (Surr)	101		70 - 130
Dibromofluoromethane	98		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50617.D
Dilution:	1.0			Initial Weight/Volume:	4.96 g
Date Analyzed:	12/17/2010 2112			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50618.D
Dilution:	1.0			Initial Weight/Volume:	7.25 g
Date Analyzed:	12/17/2010 2137			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		2.9	6.0
1,1,1-Trichloroethane		ND		4.8	6.0
1,1,2,2-Tetrachloroethane		ND		2.4	6.0
1,1,2-Trichloroethane		ND		2.4	6.0
1,1-Dichloroethane		ND		4.6	6.0
1,1-Dichloroethene		ND		3.9	6.0
1,1-Dichloropropene		ND		3.6	6.0
1,2,3-Trichlorobenzene		ND		2.7	6.0
1,2,3-Trichloropropane		ND		2.9	6.0
1,2,4-Trichlorobenzene		3.8	J	2.4	6.0
1,2,4-Trimethylbenzene		ND		3.4	6.0
1,2-Dibromo-3-Chloropropane		ND		6.8	60
1,2-Dichlorobenzene		ND		2.4	6.0
1,2-Dichloroethane		ND		2.4	6.0
1,2-Dichloropropane		ND		3.9	6.0
1,3,5-Trimethylbenzene		ND		3.6	6.0
1,3-Dichlorobenzene		ND		2.4	6.0
1,3-Dichloropropane		ND		2.8	6.0
1,4-Dichlorobenzene		ND		2.4	6.0
1,4-Dioxane		ND		240	600
2,2-Dichloropropane		ND		5.1	6.0
2-Butanone (MEK)		43	J	26	60
2-Chlorotoluene		ND		3.1	6.0
2-Hexanone		ND		34	60
4-Chlorotoluene		ND		2.9	6.0
4-Isopropyltoluene		ND		3.6	6.0
4-Methyl-2-pentanone (MIBK)		ND		25	60
Acetone		210	J B	42	600
Benzene		ND		3.9	6.0
Bromobenzene		ND		2.4	6.0
Bromoform		ND		3.9	6.0
Bromomethane		ND		5.6	12
Carbon disulfide		ND		4.6	6.0
Carbon tetrachloride		ND		4.1	6.0
Chlorobenzene		ND		2.9	6.0
Chlorobromomethane		ND		3.3	6.0
Chlorodibromomethane		ND		2.9	6.0
Chloroethane		ND		4.8	12
Chloroform		ND		3.6	6.0
Chloromethane		ND		3.9	12
cis-1,2-Dichloroethene		ND		2.8	6.0
cis-1,3-Dichloropropene		ND		2.4	6.0
Dibromomethane		ND		3.0	6.0
Dichlorobromomethane		ND		3.1	6.0
Dichlorodifluoromethane		ND	*	5.1	12
Ethyl ether		ND		2.6	6.0

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50618.D
Dilution:	1.0			Initial Weight/Volume:	7.25 g
Date Analyzed:	12/17/2010 2137			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		4.3	6.0
Ethylene Dibromide		ND		2.7	6.0
Hexachlorobutadiene		ND		3.6	6.0
Isopropyl ether		ND		2.7	6.0
Isopropylbenzene		ND		3.6	6.0
m-Xylene & p-Xylene		ND		8.5	12
Methyl tert-butyl ether		ND		3.6	6.0
Methylene Chloride		ND		24	24
n-Butylbenzene		ND		2.9	6.0
N-Propylbenzene		ND		4.1	6.0
Naphthalene		ND		5.6	60
o-Xylene		ND		3.1	6.0
sec-Butylbenzene		ND		3.4	6.0
Styrene		ND		2.4	6.0
Tert-amyl methyl ether		ND		3.6	6.0
Tert-butyl ethyl ether		ND		3.5	6.0
tert-Butylbenzene		ND		3.4	6.0
Tetrachloroethene		ND		4.3	6.0
Tetrahydrofuran		ND		30	60
Toluene		ND		4.3	6.0
trans-1,2-Dichloroethene		ND		3.9	6.0
trans-1,3-Dichloropropene		ND		2.5	6.0
Trichloroethene		ND		5.1	6.0
Trichlorofluoromethane		ND		3.4	12
Vinyl chloride		ND		4.1	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.5	30
2,4,4-Trimethyl-1-pentene		60		4.0	12
2,4,4-Trimethyl-2-pentene		8.0	J	2.6	12
Cyclohexane		ND		2.4	60
Methyl acetate		ND		34	120
Methylcyclohexane		ND		3.9	6.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Toluene-d8 (Surr)	102		70 - 130
Dibromofluoromethane	98		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50618.D
Dilution:	1.0			Initial Weight/Volume:	7.25 g
Date Analyzed:	12/17/2010 2137			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50619.D
Dilution:	1.0			Initial Weight/Volume:	5.58 g
Date Analyzed:	12/17/2010 2202			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.9	3.9
1,1,1-Trichloroethane		ND		3.1	3.9
1,1,2,2-Tetrachloroethane		ND		1.6	3.9
1,1,2-Trichloroethane		ND		1.6	3.9
1,1-Dichloroethane		ND		3.0	3.9
1,1-Dichloroethene		ND		2.5	3.9
1,1-Dichloropropene		ND		2.4	3.9
1,2,3-Trichlorobenzene		ND		1.7	3.9
1,2,3-Trichloropropane		ND		1.9	3.9
1,2,4-Trichlorobenzene		ND		1.6	3.9
1,2,4-Trimethylbenzene		ND		2.2	3.9
1,2-Dibromo-3-Chloropropane		ND		4.4	39
1,2-Dichlorobenzene		ND		1.6	3.9
1,2-Dichloroethane		ND		1.6	3.9
1,2-Dichloropropane		ND		2.5	3.9
1,3,5-Trimethylbenzene		ND		2.4	3.9
1,3-Dichlorobenzene		ND		1.6	3.9
1,3-Dichloropropane		ND		1.8	3.9
1,4-Dichlorobenzene		ND		1.6	3.9
1,4-Dioxane		ND		160	390
2,2-Dichloropropane		ND		3.3	3.9
2-Butanone (MEK)		22	J	17	39
2-Chlorotoluene		ND		2.0	3.9
2-Hexanone		ND		22	39
4-Chlorotoluene		ND		1.9	3.9
4-Isopropyltoluene		ND		2.4	3.9
4-Methyl-2-pentanone (MIBK)		ND		16	39
Acetone		110	J B	27	390
Benzene		ND		2.5	3.9
Bromobenzene		ND		1.6	3.9
Bromoform		ND		2.5	3.9
Bromomethane		ND		3.6	7.9
Carbon disulfide		ND		3.0	3.9
Carbon tetrachloride		ND		2.7	3.9
Chlorobenzene		ND		1.9	3.9
Chlorobromomethane		ND		2.2	3.9
Chlorodibromomethane		ND		1.9	3.9
Chloroethane		ND		3.1	7.9
Chloroform		ND		2.4	3.9
Chloromethane		ND		2.5	7.9
cis-1,2-Dichloroethene		ND		1.9	3.9
cis-1,3-Dichloropropene		ND		1.6	3.9
Dibromomethane		ND		2.0	3.9
Dichlorobromomethane		ND		2.0	3.9
Dichlorodifluoromethane		ND	*	3.3	7.9
Ethyl ether		ND		1.7	3.9

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50619.D
Dilution:	1.0			Initial Weight/Volume:	5.58 g
Date Analyzed:	12/17/2010 2202			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		2.8	3.9
Ethylene Dibromide		ND		1.8	3.9
Hexachlorobutadiene		ND		2.4	3.9
Isopropyl ether		ND		1.8	3.9
Isopropylbenzene		ND		2.4	3.9
m-Xylene & p-Xylene		ND		5.5	7.9
Methyl tert-butyl ether		ND		2.4	3.9
Methylene Chloride		ND		15	16
n-Butylbenzene		ND		1.9	3.9
N-Propylbenzene		ND		2.7	3.9
Naphthalene		ND		3.6	39
o-Xylene		ND		2.0	3.9
sec-Butylbenzene		ND		2.2	3.9
Styrene		ND		1.6	3.9
Tert-amyl methyl ether		ND		2.4	3.9
Tert-butyl ethyl ether		ND		2.3	3.9
tert-Butylbenzene		ND		2.2	3.9
Tetrachloroethene		ND		2.8	3.9
Tetrahydrofuran		ND		19	39
Toluene		ND		2.8	3.9
trans-1,2-Dichloroethene		ND		2.5	3.9
trans-1,3-Dichloropropene		ND		1.6	3.9
Trichloroethene		ND		3.3	3.9
Trichlorofluoromethane		ND		2.2	7.9
Vinyl chloride		ND		2.7	3.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.3	20
2,4,4-Trimethyl-1-pentene		23		2.6	7.9
2,4,4-Trimethyl-2-pentene		3.2	J	1.7	7.9
Cyclohexane		ND		1.6	39
Methyl acetate		ND		22	79
Methylcyclohexane		ND		2.5	3.9

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid % Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50619.D
Dilution:	1.0			Initial Weight/Volume:	5.58 g
Date Analyzed:	12/17/2010 2202			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50620.D
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	12/17/2010 2225			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.6	3.4
1,1,1-Trichloroethane		ND		2.7	3.4
1,1,2,2-Tetrachloroethane		ND		1.4	3.4
1,1,2-Trichloroethane		ND		1.4	3.4
1,1-Dichloroethane		ND		2.6	3.4
1,1-Dichloroethene		ND		2.2	3.4
1,1-Dichloropropene		ND		2.0	3.4
1,2,3-Trichlorobenzene		ND		1.5	3.4
1,2,3-Trichloropropane		ND		1.6	3.4
1,2,4-Trichlorobenzene		ND		1.4	3.4
1,2,4-Trimethylbenzene		ND		1.9	3.4
1,2-Dibromo-3-Chloropropane		ND		3.8	34
1,2-Dichlorobenzene		ND		1.4	3.4
1,2-Dichloroethane		ND		1.4	3.4
1,2-Dichloropropane		ND		2.2	3.4
1,3,5-Trimethylbenzene		ND		2.0	3.4
1,3-Dichlorobenzene		ND		1.4	3.4
1,3-Dichloropropane		ND		1.5	3.4
1,4-Dichlorobenzene		ND		1.4	3.4
1,4-Dioxane		ND		140	340
2,2-Dichloropropane		ND		2.9	3.4
2-Butanone (MEK)		20	J	15	34
2-Chlorotoluene		ND		1.8	3.4
2-Hexanone		ND		19	34
4-Chlorotoluene		ND		1.6	3.4
4-Isopropyltoluene		ND		2.0	3.4
4-Methyl-2-pentanone (MIBK)		ND		14	34
Acetone		110	J B	23	340
Benzene		ND		2.2	3.4
Bromobenzene		ND		1.4	3.4
Bromoform		ND		2.2	3.4
Bromomethane		ND		3.1	6.8
Carbon disulfide		ND		2.6	3.4
Carbon tetrachloride		ND		2.3	3.4
Chlorobenzene		ND		1.6	3.4
Chlorobromomethane		ND		1.9	3.4
Chlorodibromomethane		ND		1.6	3.4
Chloroethane		ND		2.7	6.8
Chloroform		ND		2.0	3.4
Chloromethane		ND		2.2	6.8
cis-1,2-Dichloroethene		ND		1.6	3.4
cis-1,3-Dichloropropene		ND		1.4	3.4
Dibromomethane		ND		1.7	3.4
Dichlorobromomethane		ND		1.7	3.4
Dichlorodifluoromethane		ND	*	2.9	6.8
Ethyl ether		ND		1.4	3.4

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50620.D
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	12/17/2010 2225			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		2.4	3.4
Ethylene Dibromide		ND		1.5	3.4
Hexachlorobutadiene		ND		2.0	3.4
Isopropyl ether		ND		1.5	3.4
Isopropylbenzene		ND		2.0	3.4
m-Xylene & p-Xylene		ND		4.8	6.8
Methyl tert-butyl ether		ND		2.0	3.4
Methylene Chloride		ND		13	14
n-Butylbenzene		ND		1.6	3.4
N-Propylbenzene		ND		2.3	3.4
Naphthalene		ND		3.1	34
o-Xylene		ND		1.8	3.4
sec-Butylbenzene		ND		1.9	3.4
Styrene		ND		1.4	3.4
Tert-amyl methyl ether		ND		2.0	3.4
Tert-butyl ethyl ether		ND		2.0	3.4
tert-Butylbenzene		ND		1.9	3.4
Tetrachloroethene		ND		2.4	3.4
Tetrahydrofuran		ND		17	34
Toluene		ND		2.4	3.4
trans-1,2-Dichloroethene		ND		2.2	3.4
trans-1,3-Dichloropropene		ND		1.4	3.4
Trichloroethene		ND		2.9	3.4
Trichlorofluoromethane		ND		1.9	6.8
Vinyl chloride		ND		2.3	3.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	17
2,4,4-Trimethyl-1-pentene		37		2.2	6.8
2,4,4-Trimethyl-2-pentene		2.8	J	1.5	6.8
Cyclohexane		ND		1.4	34
Methyl acetate		ND		19	68
Methylcyclohexane		ND		2.2	3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Toluene-d8 (Surr)	100		70 - 130
Dibromofluoromethane	98		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid % Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50620.D
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	12/17/2010 2225			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-066**

Lab Sample ID: 360-31465-14
Client Matrix: Solid

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50621.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	12/17/2010 2249			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.2	2.5
1,1,1-Trichloroethane		ND		2.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.9	2.5
1,1-Dichloroethene		ND		1.6	2.5
1,1-Dichloropropene		ND		1.5	2.5
1,2,3-Trichlorobenzene		ND		1.1	2.5
1,2,3-Trichloropropane		ND		1.2	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.4	2.5
1,2-Dibromo-3-Chloropropane		ND		2.8	25
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
1,2-Dichloropropane		ND		1.6	2.5
1,3,5-Trimethylbenzene		ND		1.5	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.1	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		100	250
2,2-Dichloropropane		ND		2.1	2.5
2-Butanone (MEK)		ND		11	25
2-Chlorotoluene		ND		1.3	2.5
2-Hexanone		ND		14	25
4-Chlorotoluene		ND		1.2	2.5
4-Isopropyltoluene		ND		1.5	2.5
4-Methyl-2-pentanone (MIBK)		ND		10	25
Acetone		23	J B	17	250
Benzene		ND		1.6	2.5
Bromobenzene		ND		1.0	2.5
Bromoform		ND		1.6	2.5
Bromomethane		ND		2.3	5.0
Carbon disulfide		ND		1.9	2.5
Carbon tetrachloride		ND		1.7	2.5
Chlorobenzene		ND		1.2	2.5
Chlorobromomethane		ND		1.4	2.5
Chlorodibromomethane		ND		1.2	2.5
Chloroethane		ND		2.0	5.0
Chloroform		ND		1.5	2.5
Chloromethane		ND		1.6	5.0
cis-1,2-Dichloroethene		ND		1.2	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Dibromomethane		ND		1.3	2.5
Dichlorobromomethane		ND		1.3	2.5
Dichlorodifluoromethane		ND	*	2.1	5.0
Ethyl ether		ND		1.1	2.5

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-066**

Lab Sample ID: 360-31465-14
Client Matrix: Solid

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50621.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	12/17/2010 2249			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		ND		1.8	2.5
Ethylene Dibromide		ND		1.1	2.5
Hexachlorobutadiene		ND		1.5	2.5
Isopropyl ether		ND		1.1	2.5
Isopropylbenzene		ND		1.5	2.5
m-Xylene & p-Xylene		ND		3.5	5.0
Methyl tert-butyl ether		ND		1.5	2.5
Methylene Chloride		ND		9.8	10
n-Butylbenzene		ND		1.2	2.5
N-Propylbenzene		ND		1.7	2.5
Naphthalene		ND		2.3	25
o-Xylene		ND		1.3	2.5
sec-Butylbenzene		ND		1.4	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.5	2.5
Tert-butyl ethyl ether		ND		1.4	2.5
tert-Butylbenzene		ND		1.4	2.5
Tetrachloroethene		ND		1.8	2.5
Tetrahydrofuran		ND		12	25
Toluene		ND		1.8	2.5
trans-1,2-Dichloroethene		ND		1.6	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		2.1	2.5
Trichlorofluoromethane		ND		1.4	5.0
Vinyl chloride		ND		1.7	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	12
2,4,4-Trimethyl-1-pentene		ND		1.6	5.0
2,4,4-Trimethyl-2-pentene		ND		1.1	5.0
Cyclohexane		ND		1.0	25
Methyl acetate		ND		14	50
Methylcyclohexane		ND		1.6	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Toluene-d8 (Surr)	102		70 - 130
Dibromofluoromethane	97		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-066**

Lab Sample ID: 360-31465-14
Client Matrix: Solid

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8260C Volatile Organic Compounds (GC/MS)

Method:	8260C	Analysis Batch: 360-67368		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-67366		Lab File ID:	V50621.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	12/17/2010 2249			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-68210		Instrument ID:	NOEQUIP
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.90 g
Date Analyzed:	01/06/2011 1151			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodiphenylamine		1600		19	62
Diphenylamine		95		19	62

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13796.D
Dilution:	5.0			Initial Weight/Volume:	30.90 g
Date Analyzed:	12/21/2010 0314			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		320		93	310
1,2,4,5-Tetrachlorobenzene		ND		93	310
1,2,4-Trichlorobenzene		ND		93	310
1,2-Dichlorobenzene		ND		93	310
1,3-Dichlorobenzene		ND		93	310
1,4-Dichlorobenzene		ND		93	310
1-Methylnaphthalene		ND		93	310
2,2'-oxybis[1-chloropropane]		ND		93	310
2,3,4,6-Tetrachlorophenol		ND		93	310
2,4,5-Trichlorophenol		ND		93	310
2,4,6-Trichlorophenol		ND		93	310
2,4-Dichlorophenol		ND		93	310
2,4-Dimethylphenol		ND		120	310
2,4-Dinitrophenol		ND		93	310
2,4-Dinitrotoluene		ND		93	310
2,6-Dinitrotoluene		ND		93	310
2-Chloronaphthalene		ND		93	310
2-Chlorophenol		ND		93	310
2-Methylnaphthalene		ND		93	310
2-Methylphenol		ND		190	310
2-Nitroaniline		ND		93	1600
2-Nitrophenol		ND		93	310
3 & 4 Methylphenol		ND		93	310
3,3'-Dichlorobenzidine		ND		93	620
3-Nitroaniline		ND		93	1600
4,6-Dinitro-2-methylphenol		ND		93	1600
4-Bromophenyl phenyl ether		ND		93	310
4-Chloro-3-methylphenol		ND		93	620
4-Chloroaniline		ND		93	620
4-Chlorophenyl phenyl ether		ND		93	310
4-Nitroaniline		ND		93	1600
4-Nitrophenol		ND		93	1600
Acenaphthene		ND		93	310
Acenaphthylene		ND		93	310
Acetophenone		ND		93	310
Aniline		230	J	93	310
Anthracene		ND		93	310
Atrazine		ND		93	310
Azobenzene		ND		93	310
Benzaldehyde		120	J	93	310
Benzo[a]anthracene		ND		93	310
Benzo[a]pyrene		ND	E	93	310
Benzo[b]fluoranthene		ND		93	310
Benzo[g,h,i]perylene		ND		93	310
Benzo[k]fluoranthene		ND		93	310
Benzoic acid		430	J	140	1600

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13796.D
Dilution:	5.0			Initial Weight/Volume:	30.90 g
Date Analyzed:	12/21/2010 0314			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		93	310
Benzyl alcohol		ND		260	620
Bis(2-chloroethoxy)methane		ND		93	310
Bis(2-chloroethyl)ether		ND		93	310
Butyl benzyl phthalate		ND		93	310
Caprolactam		ND		93	310
Carbazole		ND		93	310
Chrysene		ND		93	310
Dibenz(a,h)anthracene		ND		93	310
Dibenzofuran		ND		93	310
Diethyl phthalate		ND		93	310
Dimethyl phthalate		ND		93	310
Di-n-butyl phthalate		ND		270	310
Di-n-octyl phthalate		ND		160	310
Fluoranthene		ND		93	310
Fluorene		ND		93	310
Hexachlorobenzene		ND		93	310
Hexachlorobutadiene		ND		93	310
Hexachlorocyclopentadiene		ND		93	620
Hexachloroethane		ND		93	310
Indeno[1,2,3-cd]pyrene		ND		93	310
Isophorone		ND		93	310
Naphthalene		ND		93	750
Nitrobenzene		ND		93	310
N-Nitrosodi-n-propylamine		ND		93	310
Pentachlorophenol		ND		93	310
Phenanthrene		ND		93	370
Phenol		130	J	93	310
Diphenyl oxide		2600		93	310
Pyrene		ND		93	310
N-Nitrosodimethylamine		ND		110	310

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	74		30 - 130
2-Fluorobiphenyl	48		30 - 130
2-Fluorophenol	39		30 - 130
Nitrobenzene-d5	47		30 - 130
Phenol-d5	52		30 - 130
Terphenyl-d14	69		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13796.D
Dilution:	5.0			Initial Weight/Volume:	30.90 g
Date Analyzed:	12/21/2010 0314			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	
122-66-7	1,2-Diphenylhydrazine	14.14	100	J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2116.D
Dilution:	1000			Initial Weight/Volume:	30.90 g
Date Analyzed:	12/23/2010 1847	Run Type: DL		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		280000		19000	62000

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459	Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334	Lab File ID:	B13796.D
Dilution:	5.0		Initial Weight/Volume:	30.90 g
Date Analyzed:	12/21/2010 0314		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139		Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		110	310

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	39		30 - 130
Phenol-d5	52		30 - 130
Nitrobenzene-d5	47		30 - 130
2,4,6-Tribromophenol	74		30 - 130
Terphenyl-d14	69		30 - 130
2-Fluorobiphenyl	48		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid
% Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13812.D
Dilution:	5.0			Initial Weight/Volume:	30.40 g
Date Analyzed:	12/22/2010 1055			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		87	290
1,2,4,5-Tetrachlorobenzene		ND		87	290
1,2,4-Trichlorobenzene		ND		87	290
1,2-Dichlorobenzene		ND		87	290
1,3-Dichlorobenzene		ND		87	290
1,4-Dichlorobenzene		ND		87	290
1-Methylnaphthalene		ND		87	290
2,2'-oxybis[1-chloropropane]		ND		87	290
2,3,4,6-Tetrachlorophenol		ND		87	290
2,4,5-Trichlorophenol		ND		87	290
2,4,6-Trichlorophenol		ND		87	290
2,4-Dichlorophenol		ND		87	290
2,4-Dimethylphenol		ND		110	290
2,4-Dinitrophenol		ND		87	290
2,4-Dinitrotoluene		ND		87	290
2,6-Dinitrotoluene		ND		87	290
2-Chloronaphthalene		ND		87	290
2-Chlorophenol		ND		87	290
2-Methylnaphthalene		ND		87	290
2-Methylphenol		ND		170	290
2-Nitroaniline		ND		87	1400
2-Nitrophenol		ND		87	290
3 & 4 Methylphenol		ND		87	290
3,3'-Dichlorobenzidine		ND		87	580
3-Nitroaniline		ND		87	1400
4,6-Dinitro-2-methylphenol		ND		87	1400
4-Bromophenyl phenyl ether		ND		87	290
4-Chloro-3-methylphenol		ND		87	580
4-Chloroaniline		ND		87	580
4-Chlorophenyl phenyl ether		ND		87	290
4-Nitroaniline		ND		87	1400
4-Nitrophenol		ND		87	1400
Acenaphthene		ND		87	290
Acenaphthylene		ND		87	290
Acetophenone		ND		87	290
Aniline		ND		87	290
Anthracene		ND		87	290
Atrazine		ND		87	290
Azobenzene		ND		87	290
Benzaldehyde		ND		87	290
Benzo[a]anthracene		ND		87	290
Benzo[a]pyrene		ND		87	290
Benzo[b]fluoranthene		110	J	87	290
Benzo[g,h,i]perylene		96	J	87	290
Benzo[k]fluoranthene		ND		87	290
Benzoic acid		ND		130	1400

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid
% Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13812.D
Dilution:	5.0			Initial Weight/Volume:	30.40 g
Date Analyzed:	12/22/2010 1055			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		87	290
Benzyl alcohol		ND		250	580
Bis(2-chloroethoxy)methane		ND		87	290
Bis(2-chloroethyl)ether		ND		87	290
Bis(2-ethylhexyl) phthalate		390		87	290
Butyl benzyl phthalate		ND		87	290
Caprolactam		ND		87	290
Carbazole		ND		87	290
Chrysene		ND		87	290
Dibenz(a,h)anthracene		ND		87	290
Dibenzofuran		ND		87	290
Diethyl phthalate		ND		87	290
Dimethyl phthalate		ND		87	290
Di-n-butyl phthalate		ND		250	290
Di-n-octyl phthalate		ND		150	290
Fluoranthene		95	J	87	290
Fluorene		ND		87	290
Hexachlorobenzene		ND		87	290
Hexachlorobutadiene		ND		87	290
Hexachlorocyclopentadiene		ND		87	580
Hexachloroethane		ND		87	290
Indeno[1,2,3-cd]pyrene		ND		87	290
Isophorone		ND		87	290
Naphthalene		ND		87	690
Nitrobenzene		ND		87	290
N-Nitrosodi-n-propylamine		ND		87	290
N-Nitrosodiphenylamine		ND		87	290
Pentachlorophenol		ND		87	290
Phenanthrene		ND		87	350
Phenol		ND		87	290
Diphenyl oxide		ND		87	290
Pyrene		120	J	87	290
N-Nitrosodimethylamine		ND		100	290

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	61		30 - 130
2-Fluorobiphenyl	41		30 - 130
2-Fluorophenol	53		30 - 130
Nitrobenzene-d5	47		30 - 130
Phenol-d5	57		30 - 130
Terphenyl-d14	37		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid % Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13812.D
Dilution:	5.0			Initial Weight/Volume:	30.40 g
Date Analyzed:	12/22/2010 1055			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.53	3800	T J
	Unknown	14.31	190	T J
18435-45-5	1-Nonadecene	15.70	170	T J N
646-31-1	Tetracosane	16.73	310	T J N
593-45-3	Octadecane	17.10	960	T J N
629-78-7	Heptadecane	17.50	990	T J N
112-95-8	Eicosane	17.96	1100	T J N
593-45-3	Octadecane	18.46	760	T J N
629-94-7	Heneicosane	20.58	680	T J N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13814.D
Dilution:	5.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	12/22/2010 1206			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		97	320
1,2,4,5-Tetrachlorobenzene		ND		97	320
1,2,4-Trichlorobenzene		ND		97	320
1,2-Dichlorobenzene		ND		97	320
1,3-Dichlorobenzene		ND		97	320
1,4-Dichlorobenzene		ND		97	320
1-Methylnaphthalene		ND		97	320
2,2'-oxybis[1-chloropropane]		ND		97	320
2,3,4,6-Tetrachlorophenol		ND		97	320
2,4,5-Trichlorophenol		ND		97	320
2,4,6-Trichlorophenol		ND		97	320
2,4-Dichlorophenol		ND		97	320
2,4-Dimethylphenol		ND		130	320
2,4-Dinitrophenol		ND		97	320
2,4-Dinitrotoluene		ND		97	320
2,6-Dinitrotoluene		ND		97	320
2-Chloronaphthalene		ND		97	320
2-Chlorophenol		ND		97	320
2-Methylnaphthalene		ND		97	320
2-Methylphenol		ND		190	320
2-Nitroaniline		ND		97	1600
2-Nitrophenol		ND		97	320
3 & 4 Methylphenol		ND		97	320
3,3'-Dichlorobenzidine		ND		97	650
3-Nitroaniline		ND		97	1600
4,6-Dinitro-2-methylphenol		ND		97	1600
4-Bromophenyl phenyl ether		ND		97	320
4-Chloro-3-methylphenol		ND		97	650
4-Chloroaniline		ND		97	650
4-Chlorophenyl phenyl ether		ND		97	320
4-Nitroaniline		ND		97	1600
4-Nitrophenol		ND		97	1600
Acenaphthene		ND		97	320
Acenaphthylene		ND		97	320
Acetophenone		ND		97	320
Aniline		ND		97	320
Anthracene		ND		97	320
Atrazine		ND		97	320
Azobenzene		ND		97	320
Benzaldehyde		ND		97	320
Benzo[a]anthracene		ND		97	320
Benzo[a]pyrene		ND		97	320
Benzo[b]fluoranthene		ND		97	320
Benzo[g,h,i]perylene		ND		97	320
Benzo[k]fluoranthene		ND		97	320
Benzoic acid		ND		150	1600

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13814.D
Dilution:	5.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	12/22/2010 1206			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		97	320
Benzyl alcohol		ND		280	650
Bis(2-chloroethoxy)methane		ND		97	320
Bis(2-chloroethyl)ether		ND		97	320
Bis(2-ethylhexyl) phthalate		160	J	97	320
Butyl benzyl phthalate		ND		97	320
Caprolactam		ND		97	320
Carbazole		ND		97	320
Chrysene		ND		97	320
Dibenz(a,h)anthracene		ND		97	320
Dibenzofuran		ND		97	320
Diethyl phthalate		ND		97	320
Dimethyl phthalate		ND		97	320
Di-n-butyl phthalate		ND		280	320
Di-n-octyl phthalate		ND		160	320
Fluoranthene		110	J	97	320
Fluorene		ND		97	320
Hexachlorobenzene		ND		97	320
Hexachlorobutadiene		ND		97	320
Hexachlorocyclopentadiene		ND		97	650
Hexachloroethane		ND		97	320
Indeno[1,2,3-cd]pyrene		ND		97	320
Isophorone		ND		97	320
Naphthalene		ND		97	770
Nitrobenzene		ND		97	320
N-Nitrosodi-n-propylamine		ND		97	320
N-Nitrosodiphenylamine		ND		97	320
Pentachlorophenol		ND		97	320
Phenanthrene		ND		97	390
Phenol		ND		97	320
Diphenyl oxide		ND		97	320
Pyrene		ND		97	320
N-Nitrosodimethylamine		ND		110	320

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	70		30 - 130
2-Fluorobiphenyl	47		30 - 130
2-Fluorophenol	49		30 - 130
Nitrobenzene-d5	50		30 - 130
Phenol-d5	49		30 - 130
Terphenyl-d14	43		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13814.D
Dilution:	5.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	12/22/2010 1206			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.53	5800	T J
	Unknown	16.95	410	T J
629-78-7	Heptadecane	17.10	1300	T J N
	Unknown	17.23	850	T J
629-94-7	Heneicosane	17.50	1200	T J N
629-94-7	Heneicosane	17.96	1500	T J N
	Unknown	17.99	1100	T J
646-31-1	Tetracosane	18.47	950	T J N
629-94-7	Heneicosane	19.06	1300	T J N
593-45-3	Octadecane	20.58	650	T J N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid
% Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13815.D
Dilution:	50			Initial Weight/Volume:	30.12 g
Date Analyzed:	12/22/2010 1242			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		1100	3800
1,2,4,5-Tetrachlorobenzene		ND		1100	3800
1,2,4-Trichlorobenzene		ND		1100	3800
1,2-Dichlorobenzene		ND		1100	3800
1,3-Dichlorobenzene		ND		1100	3800
1,4-Dichlorobenzene		ND		1100	3800
1-Methylnaphthalene		ND		1100	3800
2,2'-oxybis[1-chloropropane]		ND		1100	3800
2,3,4,6-Tetrachlorophenol		ND		1100	3800
2,4,5-Trichlorophenol		ND		1100	3800
2,4,6-Trichlorophenol		ND		1100	3800
2,4-Dichlorophenol		ND		1100	3800
2,4-Dimethylphenol		ND		1500	3800
2,4-Dinitrophenol		ND		1100	3800
2,4-Dinitrotoluene		ND		1100	3800
2,6-Dinitrotoluene		ND		1100	3800
2-Chloronaphthalene		ND		1100	3800
2-Chlorophenol		ND		1100	3800
2-Methylnaphthalene		ND		1100	3800
2-Methylphenol		ND		2300	3800
2-Nitroaniline		ND		1100	19000
2-Nitrophenol		ND		1100	3800
3 & 4 Methylphenol		ND		1100	3800
3,3'-Dichlorobenzidine		ND		1100	7600
3-Nitroaniline		ND		1100	19000
4,6-Dinitro-2-methylphenol		ND		1100	19000
4-Bromophenyl phenyl ether		ND		1100	3800
4-Chloro-3-methylphenol		ND		1100	7600
4-Chloroaniline		ND		1100	7600
4-Chlorophenyl phenyl ether		ND		1100	3800
4-Nitroaniline		ND		1100	19000
4-Nitrophenol		ND		1100	19000
Acenaphthene		ND		1100	3800
Acenaphthylene		ND		1100	3800
Acetophenone		ND		1100	3800
Aniline		ND		1100	3800
Anthracene		ND		1100	3800
Atrazine		ND		1100	3800
Azobenzene		ND		1100	3800
Benzaldehyde		ND		1100	3800
Benzo[a]anthracene		1400	J	1100	3800
Benzo[a]pyrene		1500	J	1100	3800
Benzo[b]fluoranthene		2000	J	1100	3800
Benzo[g,h,i]perylene		1600	J	1100	3800
Benzo[k]fluoranthene		ND		1100	3800
Benzoic acid		ND		1700	19000

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid
% Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13815.D
Dilution:	50			Initial Weight/Volume:	30.12 g
Date Analyzed:	12/22/2010 1242			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		1100	3800
Benzyl alcohol		ND		3300	7600
Bis(2-chloroethoxy)methane		ND		1100	3800
Bis(2-chloroethyl)ether		ND		1100	3800
Bis(2-ethylhexyl) phthalate		4700		1100	3800
Butyl benzyl phthalate		ND		1100	3800
Caprolactam		ND		1100	3800
Carbazole		ND		1100	3800
Chrysene		1800	J	1100	3800
Dibenz(a,h)anthracene		ND		1100	3800
Dibenzofuran		ND		1100	3800
Diethyl phthalate		ND		1100	3800
Dimethyl phthalate		ND		1100	3800
Di-n-butyl phthalate		ND		3400	3800
Di-n-octyl phthalate		ND		1900	3800
Fluoranthene		3500	J	1100	3800
Fluorene		ND		1100	3800
Hexachlorobenzene		ND		1100	3800
Hexachlorobutadiene		ND		1100	3800
Hexachlorocyclopentadiene		ND		1100	7600
Hexachloroethane		ND		1100	3800
Indeno[1,2,3-cd]pyrene		1400	J	1100	3800
Isophorone		ND		1100	3800
Naphthalene		ND		1100	9200
Nitrobenzene		ND		1100	3800
N-Nitrosodi-n-propylamine		ND		1100	3800
N-Nitrosodiphenylamine		2000	J	1100	3800
Pentachlorophenol		ND		1100	3800
Phenanthrene		1100	J	1100	4600
Phenol		ND		1100	3800
Diphenyl oxide		ND		1100	3800
Pyrene		2900	J	1100	3800
N-Nitrosodimethylamine		ND		1400	3800

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid % Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13815.D
Dilution:	50			Initial Weight/Volume:	30.12 g
Date Analyzed:	12/22/2010 1242			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.52	5500	T J
	Unknown	11.67	1900	T J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.41	1700	T J N
	Unknown	12.93	1600	T J
122-39-4	Diphenylamine	14.01	1700	J
17081-50-4	Pentadecane, 2,6,10,13-tetramethyl-	14.20	4300	T J N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-68210		Instrument ID:	NOEQUIP
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	01/06/2011 1226			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodiphenylamine		65		17	58
Diphenylamine		ND		17	58

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13800.D
Dilution:	5.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	12/21/2010 0539			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		87	290
1,2,4,5-Tetrachlorobenzene		ND		87	290
1,2,4-Trichlorobenzene		ND		87	290
1,2-Dichlorobenzene		ND		87	290
1,3-Dichlorobenzene		ND		87	290
1,4-Dichlorobenzene		ND		87	290
1-Methylnaphthalene		ND		87	290
2,2'-oxybis[1-chloropropane]		ND		87	290
2,3,4,6-Tetrachlorophenol		ND		87	290
2,4,5-Trichlorophenol		ND		87	290
2,4,6-Trichlorophenol		ND		87	290
2,4-Dichlorophenol		ND		87	290
2,4-Dimethylphenol		ND		110	290
2,4-Dinitrophenol		ND		87	290
2,4-Dinitrotoluene		ND		87	290
2,6-Dinitrotoluene		ND		87	290
2-Chloronaphthalene		ND		87	290
2-Chlorophenol		ND		87	290
2-Methylnaphthalene		ND		87	290
2-Methylphenol		ND		170	290
2-Nitroaniline		ND		87	1400
2-Nitrophenol		ND		87	290
3 & 4 Methylphenol		ND		87	290
3,3'-Dichlorobenzidine		ND		87	580
3-Nitroaniline		ND		87	1400
4,6-Dinitro-2-methylphenol		ND		87	1400
4-Bromophenyl phenyl ether		ND		87	290
4-Chloro-3-methylphenol		ND		87	580
4-Chloroaniline		ND		87	580
4-Chlorophenyl phenyl ether		ND		87	290
4-Nitroaniline		ND		87	1400
4-Nitrophenol		ND		87	1400
Acenaphthene		ND		87	290
Acenaphthylene		ND		87	290
Acetophenone		ND		87	290
Aniline		ND		87	290
Anthracene		ND		87	290
Atrazine		ND		87	290
Azobenzene		ND		87	290
Benzaldehyde		ND		87	290
Benzo[a]anthracene		ND		87	290
Benzo[a]pyrene		ND	E	87	290
Benzo[b]fluoranthene		ND		87	290
Benzo[g,h,i]perylene		ND		87	290
Benzo[k]fluoranthene		ND		87	290
Benzoic acid		ND		130	1400

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13800.D
Dilution:	5.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	12/21/2010 0539			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		87	290
Benzyl alcohol		ND		250	580
Bis(2-chloroethoxy)methane		ND		87	290
Bis(2-chloroethyl)ether		ND		87	290
Butyl benzyl phthalate		ND		87	290
Caprolactam		ND		87	290
Carbazole		ND		87	290
Chrysene		ND		87	290
Dibenz(a,h)anthracene		ND		87	290
Dibenzofuran		ND		87	290
Diethyl phthalate		ND		87	290
Dimethyl phthalate		ND		87	290
Di-n-butyl phthalate		ND		250	290
Di-n-octyl phthalate		150	J	150	290
Fluoranthene		ND		87	290
Fluorene		ND		87	290
Hexachlorobenzene		ND		87	290
Hexachlorobutadiene		ND		87	290
Hexachlorocyclopentadiene		ND		87	580
Hexachloroethane		ND		87	290
Indeno[1,2,3-cd]pyrene		ND		87	290
Isophorone		ND		87	290
Naphthalene		ND		87	700
Nitrobenzene		ND		87	290
N-Nitrosodi-n-propylamine		ND		87	290
Pentachlorophenol		ND		87	290
Phenanthrene		ND		87	350
Phenol		ND		87	290
Diphenyl oxide		220	J	87	290
Pyrene		ND		87	290
N-Nitrosodimethylamine		ND		100	290

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	75		30 - 130
2-Fluorobiphenyl	52		30 - 130
2-Fluorophenol	46		30 - 130
Nitrobenzene-d5	57		30 - 130
Phenol-d5	55		30 - 130
Terphenyl-d14	49		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid % Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13800.D
Dilution:	5.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	12/21/2010 0539			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13817.D
Dilution:	250			Initial Weight/Volume:	30.20 g
Date Analyzed:	12/22/2010 1353	Run Type: DL		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		210000		4300	14000

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459	Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334	Lab File ID:	B13800.D
Dilution:	5.0		Initial Weight/Volume:	30.20 g
Date Analyzed:	12/21/2010 0539		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139		Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		100	290

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	46		30 - 130
Phenol-d5	55		30 - 130
Nitrobenzene-d5	57		30 - 130
2,4,6-Tribromophenol	75		30 - 130
Terphenyl-d14	49		30 - 130
2-Fluorobiphenyl	52		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid
% Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13818.D
Dilution:	5.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	12/22/2010 1429			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		66	220
1,2,4,5-Tetrachlorobenzene		ND		66	220
1,2,4-Trichlorobenzene		ND		66	220
1,2-Dichlorobenzene		ND		66	220
1,3-Dichlorobenzene		ND		66	220
1,4-Dichlorobenzene		ND		66	220
1-Methylnaphthalene		ND		66	220
2,2'-oxybis[1-chloropropane]		ND		66	220
2,3,4,6-Tetrachlorophenol		ND		66	220
2,4,5-Trichlorophenol		ND		66	220
2,4,6-Trichlorophenol		ND		66	220
2,4-Dichlorophenol		ND		66	220
2,4-Dimethylphenol		ND		87	220
2,4-Dinitrophenol		ND		66	220
2,4-Dinitrotoluene		ND		66	220
2,6-Dinitrotoluene		ND		66	220
2-Chloronaphthalene		ND		66	220
2-Chlorophenol		ND		66	220
2-Methylnaphthalene		ND		66	220
2-Methylphenol		ND		130	220
2-Nitroaniline		ND		66	1100
2-Nitrophenol		ND		66	220
3 & 4 Methylphenol		3000		66	220
3,3'-Dichlorobenzidine		ND		66	440
3-Nitroaniline		ND		66	1100
4,6-Dinitro-2-methylphenol		ND		66	1100
4-Bromophenyl phenyl ether		ND		66	220
4-Chloro-3-methylphenol		ND		66	440
4-Chloroaniline		ND		66	440
4-Chlorophenyl phenyl ether		ND		66	220
4-Nitroaniline		ND		66	1100
4-Nitrophenol		ND		66	1100
Acenaphthene		ND		66	220
Acenaphthylene		ND		66	220
Acetophenone		ND		66	220
Aniline		ND		66	220
Anthracene		ND		66	220
Atrazine		ND		66	220
Azobenzene		ND		66	220
Benzaldehyde		620		66	220
Benzo[a]anthracene		120	J	66	220
Benzo[a]pyrene		130	J	66	220
Benzo[b]fluoranthene		160	J	66	220
Benzo[g,h,i]perylene		96	J	66	220
Benzo[k]fluoranthene		87	J	66	220
Benzoic acid		220	J	99	1100

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid
% Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13818.D
Dilution:	5.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	12/22/2010 1429			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		66	220
Benzyl alcohol		ND		190	440
Bis(2-chloroethoxy)methane		ND		66	220
Bis(2-chloroethyl)ether		ND		66	220
Bis(2-ethylhexyl) phthalate		270		66	220
Butyl benzyl phthalate		ND		66	220
Caprolactam		ND		66	220
Carbazole		ND		66	220
Chrysene		140	J	66	220
Dibenz(a,h)anthracene		ND		66	220
Dibenzofuran		ND		66	220
Diethyl phthalate		ND		66	220
Dimethyl phthalate		ND		66	220
Di-n-butyl phthalate		ND		190	220
Di-n-octyl phthalate		ND		110	220
Fluoranthene		300		66	220
Fluorene		ND		66	220
Hexachlorobenzene		ND		66	220
Hexachlorobutadiene		ND		66	220
Hexachlorocyclopentadiene		ND		66	440
Hexachloroethane		ND		66	220
Indeno[1,2,3-cd]pyrene		87	J	66	220
Isophorone		ND		66	220
Naphthalene		ND		66	530
Nitrobenzene		ND		66	220
N-Nitrosodi-n-propylamine		ND		66	220
N-Nitrosodiphenylamine		ND		66	220
Pentachlorophenol		ND		66	220
Phenanthrene		160	J	66	270
Phenol		920		66	220
Diphenyl oxide		ND		66	220
Pyrene		250		66	220
N-Nitrosodimethylamine		ND		78	220
Diphenylamine		ND		66	220

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	78		30 - 130
2-Fluorobiphenyl	46		30 - 130
2-Fluorophenol	59		30 - 130
Nitrobenzene-d5	52		30 - 130
Phenol-d5	65		30 - 130
Terphenyl-d14	41		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13818.D
Dilution:	5.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	12/22/2010 1429			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
108-88-3	Toluene	6.54	300	T J N
	Unknown	7.54	9000	T J
629-94-7	Heneicosane	17.10	860	T J N
	Unknown	17.22	320	T J
629-92-5	Nonadecane	17.51	830	T J N
629-94-7	Heneicosane	17.96	900	T J N
593-45-3	Octadecane	18.47	660	T J N
630-2-4	Octacosane	19.76	530	T J N
	Unknown	19.93	380	T J
629-92-5	Nonadecane	20.58	490	T J N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13818.D
Dilution:	5.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	12/22/2010 1429			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		78	220

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	59		30 - 130
Phenol-d5	65		30 - 130
Nitrobenzene-d5	52		30 - 130
2,4,6-Tribromophenol	78		30 - 130
Terphenyl-d14	41		30 - 130
2-Fluorobiphenyl	46		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13802.D
Dilution:	5.0			Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 0652			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		64	210
1,2,4,5-Tetrachlorobenzene		ND		64	210
1,2,4-Trichlorobenzene		ND		64	210
1,2-Dichlorobenzene		ND		64	210
1,3-Dichlorobenzene		ND		64	210
1,4-Dichlorobenzene		ND		64	210
1-Methylnaphthalene		ND		64	210
2,2'-oxybis[1-chloropropane]		ND		64	210
2,3,4,6-Tetrachlorophenol		ND		64	210
2,4,5-Trichlorophenol		ND		64	210
2,4,6-Trichlorophenol		ND		64	210
2,4-Dichlorophenol		ND		64	210
2,4-Dimethylphenol		ND		84	210
2,4-Dinitrophenol		ND		64	210
2,4-Dinitrotoluene		ND		64	210
2,6-Dinitrotoluene		ND		64	210
2-Chloronaphthalene		ND		64	210
2-Chlorophenol		ND		64	210
2-Methylnaphthalene		ND		64	210
2-Methylphenol		ND		130	210
2-Nitroaniline		ND		64	1100
2-Nitrophenol		ND		64	210
3 & 4 Methylphenol		610		64	210
3,3'-Dichlorobenzidine		ND		64	430
3-Nitroaniline		ND		64	1100
4,6-Dinitro-2-methylphenol		ND		64	1100
4-Bromophenyl phenyl ether		ND		64	210
4-Chloro-3-methylphenol		ND		64	430
4-Chloroaniline		ND		64	430
4-Chlorophenyl phenyl ether		ND		64	210
4-Nitroaniline		ND		64	1100
4-Nitrophenol		ND		64	1100
Acenaphthene		ND		64	210
Acenaphthylene		ND		64	210
Acetophenone		ND		64	210
Aniline		ND		64	210
Anthracene		ND		64	210
Atrazine		ND		64	210
Azobenzene		ND		64	210
Benzaldehyde		200	J	64	210
Benzo[a]anthracene		ND		64	210
Benzo[a]pyrene		110	J	64	210
Benzo[b]fluoranthene		93	J	64	210
Benzo[g,h,i]perylene		73	J	64	210
Benzo[k]fluoranthene		ND		64	210
Benzoic acid		ND		96	1100

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13802.D
Dilution:	5.0			Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 0652			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		64	210
Benzyl alcohol		ND		180	430
Bis(2-chloroethoxy)methane		ND		64	210
Bis(2-chloroethyl)ether		ND		64	210
Bis(2-ethylhexyl) phthalate		720		64	210
Butyl benzyl phthalate		ND		64	210
Caprolactam		ND		64	210
Carbazole		ND		64	210
Chrysene		68	J	64	210
Dibenz(a,h)anthracene		ND		64	210
Dibenzofuran		ND		64	210
Diethyl phthalate		ND		64	210
Dimethyl phthalate		ND		64	210
Di-n-butyl phthalate		ND		190	210
Di-n-octyl phthalate		ND		110	210
Fluoranthene		120	J	64	210
Fluorene		ND		64	210
Hexachlorobenzene		ND		64	210
Hexachlorobutadiene		ND		64	210
Hexachlorocyclopentadiene		ND		64	430
Hexachloroethane		ND		64	210
Indeno[1,2,3-cd]pyrene		77	J	64	210
Isophorone		ND		64	210
Naphthalene		ND		64	510
Nitrobenzene		ND		64	210
N-Nitrosodi-n-propylamine		ND		64	210
N-Nitrosodiphenylamine		ND		64	210
Pentachlorophenol		ND		64	210
Phenanthrene		ND		64	250
Phenol		220		64	210
Diphenyl oxide		ND		64	210
Pyrene		120	J	64	210
N-Nitrosodimethylamine		ND		75	210
Diphenylamine		ND		64	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	70		30 - 130
2-Fluorobiphenyl	43		30 - 130
2-Fluorophenol	63		30 - 130
Nitrobenzene-d5	52		30 - 130
Phenol-d5	67		30 - 130
Terphenyl-d14	40		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid % Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13802.D
Dilution:	5.0			Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 0652			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.17	110	T J
	Unknown	7.61	15000	T J
501-52-0	Benzenepropanoic acid	12.19	98	T J N
	Unknown	17.32	270	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67459	Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334	Lab File ID:	B13802.D
Dilution:	5.0		Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 0652		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139		Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		75	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	63		30 - 130
Phenol-d5	67		30 - 130
Nitrobenzene-d5	52		30 - 130
2,4,6-Tribromophenol	70		30 - 130
Terphenyl-d14	40		30 - 130
2-Fluorobiphenyl	43		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13820.D
Dilution:	1.0			Initial Weight/Volume:	30.76 g
Date Analyzed:	12/22/2010 1541			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		17	56
1,2,4,5-Tetrachlorobenzene		ND		17	56
1,2,4-Trichlorobenzene		ND		17	56
1,2-Dichlorobenzene		ND		17	56
1,3-Dichlorobenzene		ND		17	56
1,4-Dichlorobenzene		ND		17	56
1-Methylnaphthalene		ND		17	56
2,2'-oxybis[1-chloropropane]		ND		17	56
2,3,4,6-Tetrachlorophenol		ND		17	56
2,4,5-Trichlorophenol		ND		17	56
2,4,6-Trichlorophenol		ND		17	56
2,4-Dichlorophenol		ND		17	56
2,4-Dimethylphenol		ND		22	56
2,4-Dinitrophenol		ND		17	56
2,4-Dinitrotoluene		ND		17	56
2,6-Dinitrotoluene		ND		17	56
2-Chloronaphthalene		ND		17	56
2-Chlorophenol		ND		17	56
2-Methylnaphthalene		ND		17	56
2-Methylphenol		ND		34	56
2-Nitroaniline		ND		17	280
2-Nitrophenol		ND		17	56
3 & 4 Methylphenol		ND		17	56
3,3'-Dichlorobenzidine		ND		17	110
3-Nitroaniline		ND		17	280
4,6-Dinitro-2-methylphenol		ND		17	280
4-Bromophenyl phenyl ether		ND		17	56
4-Chloro-3-methylphenol		ND		17	110
4-Chloroaniline		ND		17	110
4-Chlorophenyl phenyl ether		ND		17	56
4-Nitroaniline		ND		17	280
4-Nitrophenol		ND		17	280
Acenaphthene		ND		17	56
Acenaphthylene		ND		17	56
Acetophenone		ND		17	56
Aniline		ND		17	56
Anthracene		ND		17	56
Atrazine		ND		17	56
Azobenzene		ND		17	56
Benzaldehyde		ND		17	56
Benzo[a]anthracene		170		17	56
Benzo[a]pyrene		200		17	56
Benzo[b]fluoranthene		300		17	56
Benzo[g,h,i]perylene		120		17	56
Benzo[k]fluoranthene		180		17	56
Benzoic acid		54	J	25	280

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13820.D
Dilution:	1.0			Initial Weight/Volume:	30.76 g
Date Analyzed:	12/22/2010 1541			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		28	J	17	56
Benzyl alcohol		ND		48	110
Bis(2-chloroethoxy)methane		ND		17	56
Bis(2-chloroethyl)ether		ND		17	56
Bis(2-ethylhexyl) phthalate		110		17	56
Butyl benzyl phthalate		ND		17	56
Caprolactam		ND		17	56
Carbazole		39	J	17	56
Chrysene		250		17	56
Dibenz(a,h)anthracene		35	J	17	56
Dibenzofuran		ND		17	56
Diethyl phthalate		ND		17	56
Dimethyl phthalate		ND		17	56
Di-n-butyl phthalate		ND		49	56
Di-n-octyl phthalate		ND		28	56
Fluoranthene		440		17	56
Fluorene		ND		17	56
Hexachlorobenzene		ND		17	56
Hexachlorobutadiene		ND		17	56
Hexachlorocyclopentadiene		ND		17	110
Hexachloroethane		ND		17	56
Indeno[1,2,3-cd]pyrene		120		17	56
Isophorone		ND		17	56
Naphthalene		ND		17	130
Nitrobenzene		ND		17	56
N-Nitrosodi-n-propylamine		ND		17	56
N-Nitrosodiphenylamine		98		17	56
Pentachlorophenol		ND		17	56
Phenanthrene		120		17	67
Phenol		ND		17	56
Diphenyl oxide		94		17	56
Pyrene		420		17	56
N-Nitrosodimethylamine		ND		20	56

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	65		30 - 130
2-Fluorobiphenyl	53		30 - 130
2-Fluorophenol	62		30 - 130
Nitrobenzene-d5	70		30 - 130
Phenol-d5	67		30 - 130
Terphenyl-d14	58		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	B13820.D
Dilution:	1.0			Initial Weight/Volume:	30.76 g
Date Analyzed:	12/22/2010 1541			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.63	6400	T J
	Unknown	14.25	520	T J
	Unknown	14.31	680	T J
	Unknown	14.33	1100	T J
25154-52-3	Phenol, nonyl-	14.37	730	T J N
	Unknown	14.42	500	T J
	Unknown	14.45	890	T J
	Unknown	14.49	1400	T J
	Unknown	14.52	1300	T J
	Unknown	14.57	660	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67515	Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-67334	Lab File ID:	B13820.D
Dilution:	1.0		Initial Weight/Volume:	30.76 g
Date Analyzed:	12/22/2010 1541		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139		Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		20	56

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	62		30 - 130
Phenol-d5	67		30 - 130
Nitrobenzene-d5	70		30 - 130
2,4,6-Tribromophenol	65		30 - 130
Terphenyl-d14	58		30 - 130
2-Fluorobiphenyl	53		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2105.D
Dilution:	1.0			Initial Weight/Volume:	30.60 g
Date Analyzed:	12/23/2010 1254			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		26	87
1,2,4,5-Tetrachlorobenzene		ND		26	87
1,2,4-Trichlorobenzene		27	J	26	87
1,2-Dichlorobenzene		ND		26	87
1,3-Dichlorobenzene		ND		26	87
1,4-Dichlorobenzene		ND		26	87
1-Methylnaphthalene		ND		26	87
2,2'-oxybis[1-chloropropane]		ND		26	87
2,3,4,6-Tetrachlorophenol		ND		26	87
2,4,5-Trichlorophenol		ND		26	87
2,4,6-Trichlorophenol		ND		26	87
2,4-Dichlorophenol		ND		26	87
2,4-Dimethylphenol		ND		34	87
2,4-Dinitrophenol		ND		26	87
2,4-Dinitrotoluene		ND		26	87
2,6-Dinitrotoluene		ND		26	87
2-Chloronaphthalene		ND		26	87
2-Chlorophenol		ND		26	87
2-Methylnaphthalene		ND		26	87
2-Methylphenol		ND		52	87
2-Nitroaniline		ND		26	440
2-Nitrophenol		ND		26	87
3 & 4 Methylphenol		ND		26	87
3,3'-Dichlorobenzidine		ND		26	170
3-Nitroaniline		ND		26	440
4,6-Dinitro-2-methylphenol		ND		26	440
4-Bromophenyl phenyl ether		ND		26	87
4-Chloro-3-methylphenol		ND		26	170
4-Chloroaniline		ND		26	170
4-Chlorophenyl phenyl ether		ND		26	87
4-Nitroaniline		ND		26	440
4-Nitrophenol		ND		26	440
Acenaphthene		ND		26	87
Acenaphthylene		ND		26	87
Acetophenone		ND		26	87
Aniline		ND		26	87
Anthracene		ND		26	87
Atrazine		ND		26	87
Azobenzene		ND		26	87
Benzaldehyde		ND		26	87
Benzo[a]anthracene		140		26	87
Benzo[a]pyrene		180		26	87
Benzo[b]fluoranthene		310		26	87
Benzo[g,h,i]perylene		150		26	87
Benzo[k]fluoranthene		160		26	87
Benzoic acid		260	J	39	440

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2105.D
Dilution:	1.0			Initial Weight/Volume:	30.60 g
Date Analyzed:	12/23/2010 1254			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		26	87
Benzyl alcohol		ND		74	170
Bis(2-chloroethoxy)methane		ND		26	87
Bis(2-chloroethyl)ether		ND		26	87
Bis(2-ethylhexyl) phthalate		47	J	26	87
Butyl benzyl phthalate		ND		26	87
Caprolactam		ND		26	87
Carbazole		51	J	26	87
Chrysene		280		26	87
Dibenz(a,h)anthracene		61	J	26	87
Dibenzofuran		ND		26	87
Diethyl phthalate		ND		26	87
Dimethyl phthalate		ND		26	87
Di-n-butyl phthalate		ND		77	87
Di-n-octyl phthalate		ND		44	87
Fluoranthene		590		26	87
Fluorene		ND		26	87
Hexachlorobenzene		ND		26	87
Hexachlorobutadiene		ND		26	87
Hexachlorocyclopentadiene		ND		26	170
Hexachloroethane		ND		26	87
Indeno[1,2,3-cd]pyrene		140		26	87
Isophorone		ND		26	87
Naphthalene		ND		26	210
Nitrobenzene		ND		26	87
N-Nitrosodi-n-propylamine		ND		26	87
N-Nitrosodiphenylamine		ND		26	87
Pentachlorophenol		ND		26	87
Phenanthrene		180		26	100
Phenol		ND		26	87
Diphenyl oxide		ND		26	87
Pyrene		440		26	87
N-Nitrosodimethylamine		ND		31	87

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	56		30 - 130
2-Fluorobiphenyl	49		30 - 130
2-Fluorophenol	63		30 - 130
Nitrobenzene-d5	60		30 - 130
Phenol-d5	60		30 - 130
Terphenyl-d14	41		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2105.D
Dilution:	1.0			Initial Weight/Volume:	30.60 g
Date Analyzed:	12/23/2010 1254			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
629-99-2	Pentacosane	14.75	470	T J N
630-7-9	Pentatriacontane	15.34	490	T J N
53057-53-7	1,21-Docosadiene	15.68	610	T J N
629-78-7	Heptadecane	15.82	580	T J N
198-55-0	Perylene	16.10	190	T J N
1000155-85-0	Bicyclo[10.8.0]eicosane, (E)-	16.27	1300	T J N
630-6-8	Hexatriacontane	16.45	370	T J N
629-96-9	1-Eicosanol	16.50	670	T J N
14811-95-1	1,19-Eicosadiene	17.10	210	T J N
	Unknown	17.85	320	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612	Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334	Lab File ID:	J2105.D
Dilution:	1.0		Initial Weight/Volume:	30.60 g
Date Analyzed:	12/23/2010 1254		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139		Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		31	87

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	63		30 - 130
Phenol-d5	60		30 - 130
Nitrobenzene-d5	60		30 - 130
2,4,6-Tribromophenol	56		30 - 130
Terphenyl-d14	41		30 - 130
2-Fluorobiphenyl	49		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2083.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Date Analyzed:	12/21/2010 2009			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		35	120
1,2,4,5-Tetrachlorobenzene		ND		35	120
1,2,4-Trichlorobenzene		66	J	35	120
1,2-Dichlorobenzene		ND		35	120
1,3-Dichlorobenzene		ND		35	120
1,4-Dichlorobenzene		ND		35	120
1-Methylnaphthalene		ND		35	120
2,2'-oxybis[1-chloropropane]		ND		35	120
2,3,4,6-Tetrachlorophenol		ND		35	120
2,4,5-Trichlorophenol		ND		35	120
2,4,6-Trichlorophenol		ND		35	120
2,4-Dichlorophenol		ND		35	120
2,4-Dimethylphenol		ND		46	120
2,4-Dinitrophenol		ND		35	120
2,4-Dinitrotoluene		ND		35	120
2,6-Dinitrotoluene		ND		35	120
2-Chloronaphthalene		ND		35	120
2-Chlorophenol		ND		35	120
2-Methylnaphthalene		ND		35	120
2-Methylphenol		ND		70	120
2-Nitroaniline		ND		35	580
2-Nitrophenol		ND		35	120
3 & 4 Methylphenol		ND		35	120
3,3'-Dichlorobenzidine		ND		35	230
3-Nitroaniline		ND		35	580
4,6-Dinitro-2-methylphenol		ND		35	580
4-Bromophenyl phenyl ether		ND		35	120
4-Chloro-3-methylphenol		ND		35	230
4-Chloroaniline		ND		35	230
4-Chlorophenyl phenyl ether		61	J	35	120
4-Nitroaniline		ND		35	580
4-Nitrophenol		ND		35	580
Acenaphthene		ND		35	120
Acenaphthylene		ND		35	120
Acetophenone		ND		35	120
Aniline		ND		35	120
Anthracene		ND		35	120
Atrazine		ND		35	120
Azobenzene		ND		35	120
Benzaldehyde		ND		35	120
Benzo[a]anthracene		98	J	35	120
Benzo[a]pyrene		140		35	120
Benzo[b]fluoranthene		ND		35	120
Benzo[g,h,i]perylene		140		35	120
Benzo[k]fluoranthene		ND		35	120
Benzoic acid		420	J	52	580

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2083.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Date Analyzed:	12/21/2010 2009			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		200		35	120
Benzyl alcohol		ND		99	230
Bis(2-chloroethoxy)methane		ND		35	120
Bis(2-chloroethyl)ether		ND		35	120
Bis(2-ethylhexyl) phthalate		120		35	120
Butyl benzyl phthalate		ND		35	120
Caprolactam		ND		35	120
Carbazole		44	J	35	120
Chrysene		210		35	120
Dibenz(a,h)anthracene		ND		35	120
Dibenzofuran		ND		35	120
Diethyl phthalate		ND		35	120
Dimethyl phthalate		ND		35	120
Di-n-butyl phthalate		ND		100	120
Di-n-octyl phthalate		ND		59	120
Fluoranthene		340		35	120
Fluorene		ND		35	120
Hexachlorobenzene		ND		35	120
Hexachlorobutadiene		ND		35	120
Hexachlorocyclopentadiene		ND		35	230
Hexachloroethane		ND		35	120
Indeno[1,2,3-cd]pyrene		140		35	120
Isophorone		ND		35	120
Naphthalene		ND		35	280
Nitrobenzene		ND		35	120
N-Nitrosodi-n-propylamine		ND		35	120
N-Nitrosodiphenylamine		800		35	120
Pentachlorophenol		ND		35	120
Phenanthrene		100	J	35	140
Phenol		ND		35	120
Diphenyl oxide		860		35	120
Pyrene		350		35	120
N-Nitrosodimethylamine		ND		41	120

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	71		30 - 130
2-Fluorobiphenyl	47		30 - 130
2-Fluorophenol	64		30 - 130
Nitrobenzene-d5	60		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	46		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2083.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Date Analyzed:	12/21/2010 2009			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	6.21	54000	T J
	Unknown	12.02	4100	T J
	Unknown	12.14	3400	T J
	Unknown	12.18	4000	T J
	Unknown	12.21	3500	T J
629-99-2	Pentacosane	15.96	7900	T J N
	Unknown	15.98	6200	T J
1000155-85-0	Bicyclo[10.8.0]eicosane, (E)-	16.44	3500	T J N
7225-64-1	Heptadecane, 9-octyl-	16.63	5100	T J N
71502-22-2	9-Hexacosene	16.68	3800	T J N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2084.D
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	12/21/2010 2041			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		17	58
1,2,4,5-Tetrachlorobenzene		ND		17	58
1,2,4-Trichlorobenzene		ND		17	58
1,2-Dichlorobenzene		ND		17	58
1,3-Dichlorobenzene		24	J	17	58
1,4-Dichlorobenzene		ND		17	58
1-Methylnaphthalene		ND		17	58
2,2'-oxybis[1-chloropropane]		ND		17	58
2,3,4,6-Tetrachlorophenol		ND		17	58
2,4,5-Trichlorophenol		ND		17	58
2,4,6-Trichlorophenol		ND		17	58
2,4-Dichlorophenol		ND		17	58
2,4-Dimethylphenol		ND		23	58
2,4-Dinitrophenol		ND		17	58
2,4-Dinitrotoluene		ND		17	58
2,6-Dinitrotoluene		ND		17	58
2-Chloronaphthalene		ND		17	58
2-Chlorophenol		ND		17	58
2-Methylnaphthalene		ND		17	58
2-Methylphenol		ND		35	58
2-Nitroaniline		ND		17	290
2-Nitrophenol		ND		17	58
3,3'-Dichlorobenzidine		ND		17	120
3-Nitroaniline		ND		17	290
4,6-Dinitro-2-methylphenol		ND		17	290
4-Bromophenyl phenyl ether		ND		17	58
4-Chloro-3-methylphenol		ND		17	120
4-Chloroaniline		ND		17	120
4-Chlorophenyl phenyl ether		ND		17	58
4-Nitroaniline		ND		17	290
4-Nitrophenol		ND		17	290
Acenaphthene		ND		17	58
Acenaphthylene		ND		17	58
Acetophenone		ND		17	58
Aniline		ND		17	58
Anthracene		21	J	17	58
Atrazine		ND		17	58
Azobenzene		ND		17	58
Benzaldehyde		410		17	58
Benzo[a]anthracene		73		17	58
Benzo[a]pyrene		100		17	58
Benzo[b]fluoranthene		94		17	58
Benzo[g,h,i]perylene		55	J	17	58
Benzo[k]fluoranthene		38	J	17	58
Benzoic acid		ND		26	290
Benzophenone		31	J	17	58

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2084.D
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	12/21/2010 2041			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzyl alcohol		ND		49	120
Bis(2-chloroethoxy)methane		ND		17	58
Bis(2-chloroethyl)ether		ND		17	58
Bis(2-ethylhexyl) phthalate		430		17	58
Butyl benzyl phthalate		ND		17	58
Caprolactam		ND		17	58
Carbazole		ND		17	58
Chrysene		78		17	58
Dibenz(a,h)anthracene		ND		17	58
Dibenzofuran		ND		17	58
Diethyl phthalate		ND		17	58
Dimethyl phthalate		ND		17	58
Di-n-butyl phthalate		ND		51	58
Di-n-octyl phthalate		ND		29	58
Fluoranthene		170		17	58
Fluorene		ND		17	58
Hexachlorobenzene		ND		17	58
Hexachlorobutadiene		ND		17	58
Hexachlorocyclopentadiene		ND		17	120
Hexachloroethane		ND		17	58
Indeno[1,2,3-cd]pyrene		64		17	58
Isophorone		ND		17	58
Naphthalene		ND		17	140
Nitrobenzene		ND		17	58
N-Nitrosodi-n-propylamine		ND		17	58
Pentachlorophenol		ND		17	58
Phenanthrene		110		17	69
Phenol		820		17	58
Diphenyl oxide		150		17	58
Pyrene		160		17	58
N-Nitrosodimethylamine		ND		20	58

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	65		30 - 130
2-Fluorobiphenyl	49		30 - 130
2-Fluorophenol	60		30 - 130
Nitrobenzene-d5	43		30 - 130
Phenol-d5	58		30 - 130
Terphenyl-d14	43		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2084.D
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	12/21/2010 2041			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	6.21	23000	T J
	Unknown	11.98	320	T J
	Unknown	12.01	370	T J
	Unknown	12.05	240	T J
	Unknown	12.17	440	T J
	Unknown	12.44	260	T J
	Unknown	14.44	310	T J
1599-67-3	1-Docosene	14.89	280	T J N
629-99-2	Pentacosane	15.95	440	T J N
	Unknown	16.67	680	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-68210		Instrument ID:	NOEQUIP
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	01/06/2011 1301			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodiphenylamine		290		17	58
Diphenylamine		ND		17	58

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2113.D
Dilution:	5.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	12/23/2010 1711	Run Type: DL		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
3 & 4 Methylphenol		1800		86	290

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		30 - 130
2-Fluorobiphenyl	47		30 - 130
2-Fluorophenol	52		30 - 130
Nitrobenzene-d5	44		30 - 130
Phenol-d5	46		30 - 130
Terphenyl-d14	38		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2084.D
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	12/21/2010 2041			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		20	58

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	60		30 - 130
Phenol-d5	58		30 - 130
Nitrobenzene-d5	43		30 - 130
2,4,6-Tribromophenol	65		30 - 130
Terphenyl-d14	43		30 - 130
2-Fluorobiphenyl	49		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2085.D
Dilution:	1.0			Initial Weight/Volume:	30.33 g
Date Analyzed:	12/21/2010 2113			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		16	J	16	55
1,2,4,5-Tetrachlorobenzene		ND		16	55
1,2,4-Trichlorobenzene		ND		16	55
1,2-Dichlorobenzene		ND		16	55
1,3-Dichlorobenzene		39	J	16	55
1,4-Dichlorobenzene		ND		16	55
1-Methylnaphthalene		ND		16	55
2,2'-oxybis[1-chloropropane]		ND		16	55
2,3,4,6-Tetrachlorophenol		ND		16	55
2,4,5-Trichlorophenol		ND		16	55
2,4,6-Trichlorophenol		ND		16	55
2,4-Dichlorophenol		ND		16	55
2,4-Dimethylphenol		ND		22	55
2,4-Dinitrophenol		ND		16	55
2,4-Dinitrotoluene		ND		16	55
2,6-Dinitrotoluene		ND		16	55
2-Chloronaphthalene		ND		16	55
2-Chlorophenol		ND		16	55
2-Methylnaphthalene		ND		16	55
2-Methylphenol		ND		33	55
2-Nitroaniline		ND		16	270
2-Nitrophenol		ND		16	55
3,3'-Dichlorobenzidine		ND		16	110
3-Nitroaniline		ND		16	270
4,6-Dinitro-2-methylphenol		ND		16	270
4-Bromophenyl phenyl ether		ND		16	55
4-Chloro-3-methylphenol		ND		16	110
4-Chloroaniline		ND		16	110
4-Chlorophenyl phenyl ether		ND		16	55
4-Nitroaniline		ND		16	270
4-Nitrophenol		ND		16	270
Acenaphthene		ND		16	55
Acenaphthylene		ND		16	55
Acetophenone		90		16	55
Aniline		ND		16	55
Anthracene		18	J	16	55
Atrazine		ND		16	55
Azobenzene		ND		16	55
Benzaldehyde		480		16	55
Benzo[a]anthracene		60		16	55
Benzo[a]pyrene		46	J	16	55
Benzo[b]fluoranthene		75		16	55
Benzo[g,h,i]perylene		54	J	16	55
Benzo[k]fluoranthene		83		16	55
Benzoic acid		47	J	25	270
Benzophenone		30	J	16	55

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2085.D
Dilution:	1.0			Initial Weight/Volume:	30.33 g
Date Analyzed:	12/21/2010 2113			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzyl alcohol		71	J	47	110
Bis(2-chloroethoxy)methane		ND		16	55
Bis(2-chloroethyl)ether		ND		16	55
Bis(2-ethylhexyl) phthalate		490		16	55
Butyl benzyl phthalate		ND		16	55
Caprolactam		53	J	16	55
Carbazole		ND		16	55
Chrysene		60		16	55
Dibenz(a,h)anthracene		31	J	16	55
Dibenzofuran		ND		16	55
Diethyl phthalate		ND		16	55
Dimethyl phthalate		ND		16	55
Di-n-butyl phthalate		ND		48	55
Di-n-octyl phthalate		ND		28	55
Fluoranthene		110		16	55
Fluorene		ND		16	55
Hexachlorobenzene		ND		16	55
Hexachlorobutadiene		ND		16	55
Hexachlorocyclopentadiene		ND		16	110
Hexachloroethane		ND		16	55
Indeno[1,2,3-cd]pyrene		59		16	55
Isophorone		ND		16	55
Naphthalene		ND		16	130
Nitrobenzene		ND		16	55
N-Nitrosodi-n-propylamine		ND		16	55
Pentachlorophenol		ND		16	55
Phenanthrene		71		16	66
Phenol		1100		16	55
Diphenyl oxide		190		16	55
Pyrene		110		16	55
N-Nitrosodimethylamine		ND		19	55

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	62		30 - 130
2-Fluorobiphenyl	50		30 - 130
2-Fluorophenol	59		30 - 130
Nitrobenzene-d5	43		30 - 130
Phenol-d5	57		30 - 130
Terphenyl-d14	45		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid % Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2085.D
Dilution:	1.0			Initial Weight/Volume:	30.33 g
Date Analyzed:	12/21/2010 2113			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	6.22	22000	T J
	Unknown	11.98	800	T J
	Unknown	12.02	760	T J
630-1-3	Hexacosane	15.95	1100	T J N
7616-22-0	.gamma.-Tocopherol	16.58	450	T J N
297-3-0	Cyclotetracosane	16.68	450	T J N
	Unknown	18.39	840	T J
	Unknown	18.71	1400	T J
	Unknown	19.95	2800	T J
	Unknown	20.24	3400	T J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-68210		Instrument ID:	NOEQUIP
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.33 g
Date Analyzed:	01/06/2011 1336			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodiphenylamine		280		16	55
Diphenylamine		ND		16	55

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67612		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2114.D
Dilution:	5.0			Initial Weight/Volume:	30.33 g
Date Analyzed:	12/23/2010 1743	Run Type: DL		Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
3 & 4 Methylphenol		2000		82	270

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	91		30 - 130
2-Fluorobiphenyl	49		30 - 130
2-Fluorophenol	50		30 - 130
Nitrobenzene-d5	44		30 - 130
Phenol-d5	48		30 - 130
Terphenyl-d14	41		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Method:	8270D	Analysis Batch: 360-67510		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-67334		Lab File ID:	J2085.D
Dilution:	1.0			Initial Weight/Volume:	30.33 g
Date Analyzed:	12/21/2010 2113			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		19	55

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	59		30 - 130
Phenol-d5	57		30 - 130
Nitrobenzene-d5	43		30 - 130
2,4,6-Tribromophenol	62		30 - 130
Terphenyl-d14	45		30 - 130
2-Fluorobiphenyl	50		30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	9.34 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 1733			Injection Volume:	
Date Prepared:	12/10/2010 1901			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		4.9	4.9
C5-C8 Aliphatics (adjusted)		ND		4.9	4.9
C9-C10 Aromatics		ND		4.9	4.9
C9-C12 Aliphatics (unadjusted)		ND		4.9	4.9
C9-C12 Aliphatics (adjusted)		ND		4.9	4.9
Total VPH		ND		4.9	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	89		70 - 130
2,5-Dibromotoluene (pid)	95		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid

% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	9.33 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 1806			Injection Volume:	
Date Prepared:	12/10/2010 1901			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		4.5	4.5
C5-C8 Aliphatics (adjusted)		ND		4.5	4.5
C9-C10 Aromatics		ND		4.5	4.5
C9-C12 Aliphatics (unadjusted)		ND		4.5	4.5
C9-C12 Aliphatics (adjusted)		ND		4.5	4.5
Total VPH		ND		4.5	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	88		70 - 130
2,5-Dibromotoluene (pid)	96		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	9.67 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 1839			Injection Volume:	
Date Prepared:	12/10/2010 1901			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		3.3	3.3
C5-C8 Aliphatics (adjusted)		ND		3.3	3.3
C9-C10 Aromatics		ND		3.3	3.3
C9-C12 Aliphatics (unadjusted)		ND		3.3	3.3
C9-C12 Aliphatics (adjusted)		ND		3.3	3.3
Total VPH		ND		3.3	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	87		70 - 130
2,5-Dibromotoluene (pid)	93		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	11.49 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 1912			Injection Volume:	
Date Prepared:	12/10/2010 1901			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		2.7	2.7
C5-C8 Aliphatics (adjusted)		ND		2.7	2.7
C9-C10 Aromatics		ND		2.7	2.7
C9-C12 Aliphatics (unadjusted)		ND		2.7	2.7
C9-C12 Aliphatics (adjusted)		ND		2.7	2.7
Total VPH		ND		2.7	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	88		70 - 130
2,5-Dibromotoluene (pid)	95		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-064**

Lab Sample ID: 360-31465-8
Client Matrix: Solid

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	10.00 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 1945			Injection Volume:	
Date Prepared:	12/10/2010 1901			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		2.4	2.4
C5-C8 Aliphatics (adjusted)		ND		2.4	2.4
C9-C10 Aromatics		ND		2.4	2.4
C9-C12 Aliphatics (unadjusted)		ND		2.4	2.4
C9-C12 Aliphatics (adjusted)		ND		2.4	2.4
Total VPH		ND		2.4	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	84		70 - 130
2,5-Dibromotoluene (pid)	91		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	9.19 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 2018			Injection Volume:	
Date Prepared:	12/16/2010 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		4.5	4.5
C5-C8 Aliphatics (adjusted)		ND		4.5	4.5
C9-C10 Aromatics		ND		4.5	4.5
C9-C12 Aliphatics (unadjusted)		ND		4.5	4.5
C9-C12 Aliphatics (adjusted)		ND		4.5	4.5
Total VPH		ND		4.5	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	88		70 - 130
2,5-Dibromotoluene (pid)	95		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	10.64 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 2051			Injection Volume:	
Date Prepared:	12/16/2010 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		3.7	3.7
C5-C8 Aliphatics (adjusted)		ND		3.7	3.7
C9-C10 Aromatics		ND		3.7	3.7
C9-C12 Aliphatics (unadjusted)		ND		3.7	3.7
C9-C12 Aliphatics (adjusted)		ND		3.7	3.7
Total VPH		ND		3.7	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	84		70 - 130
2,5-Dibromotoluene (pid)	91		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-TBK-066**

Lab Sample ID: 360-31465-14
Client Matrix: Solid

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Method:	MAVPH	Analysis Batch: 360-67516		Instrument ID:	Inst. G
Preparation:	5035	Prep Batch: 360-67507		Initial Weight/Volume:	10.00 g
Dilution:	1.0			Final Weight/Volume:	10 g
Date Analyzed:	12/21/2010 2125			Injection Volume:	
Date Prepared:	12/16/2010 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL	RL
C5-C8 Aliphatics (unadjusted)		ND		2.4	2.4
C5-C8 Aliphatics (adjusted)		ND		2.4	2.4
C9-C10 Aromatics		ND		2.4	2.4
C9-C12 Aliphatics (unadjusted)		ND		2.4	2.4
C9-C12 Aliphatics (adjusted)		ND		2.4	2.4
Total VPH		ND		2.4	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,5-Dibromotoluene (fid)	86		70 - 130
2,5-Dibromotoluene (pid)	92		70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Method:	MA-EPH	Analysis Batch: 360-67453		Instrument ID:	INST R
Preparation:	3546	Prep Batch: 360-66997		Initial Weight/Volume:	30.63 g
Dilution:	20			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/21/2010 1112			Injection Volume:	1 uL
Date Prepared:	12/10/2010 1234			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (unadjusted)		9400		120	120
C11-C22 Aromatics (Adjusted)		9400		120	120
C19-C36 Aliphatics		6400		120	120
C9-C18 Aliphatics		770		120	120
Total EPH		17000		120	120

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	40 - 140
2-Fluorobiphenyl	88		40 - 140
2-Bromonaphthalene	87		40 - 140
1-Chlorooctadecane	0	X D	40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Method:	MA-EPH	Analysis Batch: 360-67453		Instrument ID:	INST R
Preparation:	3546	Prep Batch: 360-67127		Initial Weight/Volume:	30.82 g
Dilution:	2.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/21/2010 1037			Injection Volume:	1 uL
Date Prepared:	12/14/2010 1238			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (unadjusted)		1100		11	11
C11-C22 Aromatics (Adjusted)		1100		11	11
C19-C36 Aliphatics		690		11	11
C9-C18 Aliphatics		96		11	11
Total EPH		1900		11	11

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	62		40 - 140
2-Fluorobiphenyl	84		40 - 140
2-Bromonaphthalene	83		40 - 140
1-Chlorooctadecane	68		40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Method:	MA-EPH	Analysis Batch: 360-67110		Instrument ID:	INST R
Preparation:	3546	Prep Batch: 360-66997		Initial Weight/Volume:	30.24 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/14/2010 1330			Injection Volume:	1 uL
Date Prepared:	12/10/2010 1234			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (unadjusted)		24		4.4	4.4
C11-C22 Aromatics (Adjusted)		24		4.4	4.4
C19-C36 Aliphatics		43		4.4	4.4
C9-C18 Aliphatics		ND		4.4	4.4
Total EPH		67		4.4	4.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		40 - 140
2-Fluorobiphenyl	95		40 - 140
2-Bromonaphthalene	93		40 - 140
1-Chlorooctadecane	75		40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Method:	MA-EPH	Analysis Batch: 360-67050		Instrument ID:	INST R
Preparation:	3546	Prep Batch: 360-66997		Initial Weight/Volume:	30.18 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/13/2010 1647			Injection Volume:	1 uL
Date Prepared:	12/10/2010 1234			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (unadjusted)		11		4.2	4.2
C11-C22 Aromatics (Adjusted)		11		4.2	4.2
C19-C36 Aliphatics		14		4.2	4.2
C9-C18 Aliphatics		ND		4.2	4.2
Total EPH		25		4.2	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	81		40 - 140
2-Fluorobiphenyl	111		40 - 140
2-Bromonaphthalene	107		40 - 140
1-Chlorooctadecane	66		40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Method:	MA-EPH	Analysis Batch: 360-67211		Instrument ID:	INST R
Preparation:	3546	Prep Batch: 360-67139		Initial Weight/Volume:	30.47 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/16/2010 0252			Injection Volume:	1 uL
Date Prepared:	12/14/2010 1557			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (unadjusted)		16		5.7	5.7
C11-C22 Aromatics (Adjusted)		16		5.7	5.7
C19-C36 Aliphatics		31		5.7	5.7
C9-C18 Aliphatics		ND		5.7	5.7
Total EPH		47		5.7	5.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	58		40 - 140
2-Fluorobiphenyl	75		40 - 140
2-Bromonaphthalene	74		40 - 140
1-Chlorooctadecane	76		40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Method:	MA-EPH	Analysis Batch: 360-67211		Instrument ID:	INST R
Preparation:	3546	Prep Batch: 360-67139		Initial Weight/Volume:	30.56 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/16/2010 0326			Injection Volume:	1 uL
Date Prepared:	12/14/2010 1557			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (unadjusted)		17		5.4	5.4
C11-C22 Aromatics (Adjusted)		17		5.4	5.4
C19-C36 Aliphatics		29		5.4	5.4
C9-C18 Aliphatics		ND		5.4	5.4
Total EPH		46		5.4	5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	63		40 - 140
2-Fluorobiphenyl	90		40 - 140
2-Bromonaphthalene	89		40 - 140
1-Chlorooctadecane	72		40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M6.d
Dilution:	1.0			Initial Weight/Volume:	20.6 g
Date Analyzed:	12/16/2010 0911			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		600		150	190
Acetaldehyde		63	J	54	370

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid % Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M7.d
Dilution:	1.0			Initial Weight/Volume:	20.9 g
Date Analyzed:	12/16/2010 0922			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		270		130	170
Acetaldehyde		ND		49	330

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid
% Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M8.d
Dilution:	1.0			Initial Weight/Volume:	20.2 g
Date Analyzed:	12/16/2010 0934			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		580		100	130
Acetaldehyde		52	J	38	260

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M9.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	12/16/2010 0946			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		330		100	130
Acetaldehyde		ND		37	260

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M10.d
Dilution:	1.0			Initial Weight/Volume:	20.5 g
Date Analyzed:	12/16/2010 0958			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		400		130	170
Acetaldehyde		ND		49	340

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M11.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	12/16/2010 1010			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		610		210	270
Acetaldehyde		ND		78	540

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M12.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	12/16/2010 1021			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		1200		140	180
Acetaldehyde		90	J	51	350

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-75971		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-75807		Lab File ID:	1L16M13.d
Dilution:	1.0			Initial Weight/Volume:	20.4 g
Date Analyzed:	12/16/2010 1033			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		980		130	160
Acetaldehyde		76	J	47	330

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

LC65 Maleic and Phthalic Acid (DAI/HPLC)

Method:	LC65	Analysis Batch: 640-76132		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-75851		Initial Weight/Volume:	5.04 g
Dilution:	1.0			Final Weight/Volume:	4 mL
Date Analyzed:	12/20/2010 2207			Injection Volume:	20 uL
Date Prepared:	12/14/2010 1120			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		7.4	190

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid

% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

LC65 Maleic and Phthalic Acid (DAI/HPLC)

Method:	LC65	Analysis Batch: 640-76132		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-75851		Initial Weight/Volume:	5.16 g
Dilution:	1.0			Final Weight/Volume:	4 mL
Date Analyzed:	12/20/2010 2220			Injection Volume:	20 uL
Date Prepared:	12/14/2010 1120			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		6.6	170

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid % Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

LC65 Maleic and Phthalic Acid (DAI/HPLC)

Method:	LC65	Analysis Batch: 640-76132		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-75851		Initial Weight/Volume:	5.14 g
Dilution:	1.0			Final Weight/Volume:	4 mL
Date Analyzed:	12/20/2010 2233			Injection Volume:	20 uL
Date Prepared:	12/14/2010 1120			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		5.1	130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

LC65 Maleic and Phthalic Acid (DAI/HPLC)

Method:	LC65	Analysis Batch: 640-76132		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-75851		Initial Weight/Volume:	5.05 g
Dilution:	1.0			Final Weight/Volume:	4 mL
Date Analyzed:	12/20/2010 2245			Injection Volume:	20 uL
Date Prepared:	12/14/2010 1120			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		5.0	130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

LC65 Maleic and Phthalic Acid (DAI/HPLC)

Method:	LC65	Analysis Batch: 640-76132		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-75851		Initial Weight/Volume:	5.13 g
Dilution:	1.0			Final Weight/Volume:	4 mL
Date Analyzed:	12/20/2010 2258			Injection Volume:	20 uL
Date Prepared:	12/14/2010 1120			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		6.7	170

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

LC65 Maleic and Phthalic Acid (DAI/HPLC)

Method:	LC65	Analysis Batch: 640-76132		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-75851		Initial Weight/Volume:	5.12 g
Dilution:	1.0			Final Weight/Volume:	4 mL
Date Analyzed:	12/20/2010 2311			Injection Volume:	20 uL
Date Prepared:	12/14/2010 1120			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		6.3	160

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9

Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/13/2010 1608
Date Prepared: 12/13/2010 0846

Analysis Batch: 360-67097
Prep Batch: 360-67039

Instrument ID: Varian ICP
Lab File ID: 121310f.csv
Initial Weight/Volume: 1.95 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10000		2.1	4.9
Antimony		ND		0.28	0.98
Arsenic		6.2		0.36	2.0
Barium		11		0.49	0.98
Beryllium		1.3		0.012	0.39
Cadmium		1.2		0.016	0.39
Calcium		1300	B	7.0	39
Chromium		2500		0.49	0.98
Cobalt		21		0.12	0.98
Copper		21		0.26	2.0
Iron		4700	B	1.9	9.8
Lead		11		0.11	0.98
Magnesium		480	B	3.1	20
Manganese		67		0.19	2.0
Nickel		24		0.17	2.0
Potassium		1700		79	390
Selenium		0.72	J	0.38	0.98
Silver		51		0.11	0.98
Sodium		95	J	31	200
Thallium		ND		0.33	2.0
Vanadium		9.4		0.13	2.0
Zinc		45		0.62	4.9
Tin		1.9	J B	0.62	9.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/14/2010 1304
Date Prepared: 12/14/2010 0859

Analysis Batch: 360-67132
Prep Batch: 360-67091

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.38 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.24		0.034	0.10

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid
% Moisture: 43.0

Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/13/2010 1611
Date Prepared: 12/13/2010 0846

Analysis Batch: 360-67097
Prep Batch: 360-67039

Instrument ID: Varian ICP
Lab File ID: 121310f.csv
Initial Weight/Volume: 1.67 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8800		2.3	5.3
Antimony		ND		0.30	1.1
Arsenic		5.9		0.38	2.1
Barium		35		0.53	1.1
Beryllium		0.25	J	0.013	0.42
Cadmium		0.76		0.017	0.42
Calcium		1600	B	7.4	42
Chromium		24		0.53	1.1
Cobalt		2.1		0.13	1.1
Copper		24		0.28	2.1
Iron		8400	B	2.0	11
Lead		260		0.12	1.1
Magnesium		1800	B	3.3	21
Manganese		75		0.20	2.1
Nickel		9.3		0.19	2.1
Potassium		690		84	420
Selenium		ND		0.40	1.1
Silver		0.20	J	0.12	1.1
Sodium		220		33	210
Thallium		ND		0.35	2.1
Vanadium		22		0.14	2.1
Zinc		110		0.66	5.3
Tin		3.5	J B	0.66	11

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/14/2010 1306
Date Prepared: 12/14/2010 0859

Analysis Batch: 360-67132
Prep Batch: 360-67091

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.37 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.032	0.095

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2

Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.94 g
Date Analyzed:	12/13/2010 1614			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3800		2.2	5.1
Antimony		ND		0.29	1.0
Arsenic		5.5		0.37	2.0
Barium		9.4		0.51	1.0
Beryllium		0.11	J	0.013	0.41
Cadmium		0.15	J	0.016	0.41
Calcium		1000	B	7.2	41
Chromium		20		0.51	1.0
Cobalt		0.65	J	0.13	1.0
Copper		4.9		0.27	2.0
Iron		3100	B	1.9	10
Lead		19		0.11	1.0
Magnesium		330	B	3.2	20
Manganese		96		0.19	2.0
Nickel		1.8	J	0.18	2.0
Potassium		240	J	81	410
Selenium		ND		0.39	1.0
Silver		0.23	J	0.12	1.0
Sodium		45	J	31	200
Thallium		ND		0.34	2.0
Vanadium		5.5		0.13	2.0
Zinc		22		0.64	5.1
Tin		1.5	J B	0.64	10

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67091		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.32 g
Date Analyzed:	12/14/2010 1308			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0859				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.042	0.12

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid
% Moisture: 56.5

Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.69 g
Date Analyzed:	12/13/2010 1617			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12000		3.0	6.8
Antimony		ND		0.39	1.4
Arsenic		35		0.49	2.7
Barium		94		0.68	1.4
Beryllium		0.30	J	0.017	0.54
Cadmium		1.0		0.022	0.54
Calcium		4700	B	9.6	54
Chromium		130		0.68	1.4
Cobalt		7.2		0.17	1.4
Copper		61		0.36	2.7
Iron		25000	B	2.6	14
Lead		120		0.15	1.4
Magnesium		3700	B	4.2	27
Manganese		380		0.26	2.7
Nickel		19		0.24	2.7
Potassium		1900		110	540
Selenium		ND		0.52	1.4
Silver		1.6		0.16	1.4
Sodium		130	J	42	270
Thallium		ND		0.45	2.7
Vanadium		29		0.18	2.7
Zinc		190		0.86	6.8
Tin		6.8	J B	0.86	14

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67091		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.32 g
Date Analyzed:	12/14/2010 1310			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0859				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.2		0.049	0.14

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid
% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.92 g
Date Analyzed:	12/13/2010 1620			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7900		2.0	4.6
Antimony		ND		0.26	0.91
Arsenic		5.0		0.33	1.8
Barium		12		0.46	0.91
Beryllium		1.0		0.011	0.36
Cadmium		0.32	J	0.015	0.36
Calcium		820	B	6.5	36
Chromium		1800		0.46	0.91
Cobalt		4.7		0.11	0.91
Copper		17		0.24	1.8
Iron		4400	B	1.7	9.1
Lead		9.4		0.10	0.91
Magnesium		470	B	2.8	18
Manganese		38		0.17	1.8
Nickel		11		0.16	1.8
Potassium		1400		73	360
Selenium		ND		0.35	0.91
Silver		35		0.10	0.91
Sodium		160	J	28	180
Thallium		ND		0.30	1.8
Vanadium		8.5		0.12	1.8
Zinc		33		0.57	4.6
Tin		1.5	J B	0.57	9.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67091		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	12/14/2010 1311			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0859				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.049	J	0.042	0.12

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid
% Moisture: 24.9

Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.92 g
Date Analyzed:	12/13/2010 1702			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7600		1.5	3.5
Antimony		ND		0.20	0.69
Arsenic		5.3		0.25	1.4
Barium		33		0.35	0.69
Beryllium		0.30		0.0087	0.28
Cadmium		0.25	J	0.011	0.28
Calcium		2400	B	4.9	28
Chromium		130		0.35	0.69
Cobalt		3.9		0.087	0.69
Copper		21		0.18	1.4
Iron		11000	B	1.3	6.9
Lead		31		0.078	0.69
Magnesium		1900	B	2.2	14
Manganese		250		0.13	1.4
Nickel		9.3		0.12	1.4
Potassium		910		56	280
Selenium		ND		0.27	0.69
Silver		2.0		0.080	0.69
Sodium		82	J	22	140
Thallium		ND		0.23	1.4
Vanadium		15		0.090	1.4
Zinc		60		0.44	3.5
Tin		2.0	J B	0.44	6.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.24 g
Date Analyzed:	12/14/2010 1327			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.059	J	0.038	0.11

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.90 g
Date Analyzed:	12/13/2010 1705			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4500		1.5	3.4
Antimony		ND		0.20	0.68
Arsenic		3.2		0.25	1.4
Barium		14		0.34	0.68
Beryllium		0.21	J	0.0085	0.27
Cadmium		0.16	J	0.011	0.27
Calcium		930	B	4.8	27
Chromium		100		0.34	0.68
Cobalt		4.4		0.085	0.68
Copper		19		0.18	1.4
Iron		7000	B	1.3	6.8
Lead		20		0.076	0.68
Magnesium		1200	B	2.1	14
Manganese		80		0.13	1.4
Nickel		8.4		0.12	1.4
Potassium		680		54	270
Selenium		ND		0.26	0.68
Silver		1.6		0.078	0.68
Sodium		65	J	21	140
Thallium		ND		0.23	1.4
Vanadium		9.2		0.088	1.4
Zinc		35		0.43	3.4
Tin		1.6	J B	0.43	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.27 g
Date Analyzed:	12/14/2010 1329			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.032	0.096

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1

Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.82 g
Date Analyzed:	12/13/2010 1708			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13000		2.1	4.7
Antimony		ND		0.27	0.95
Arsenic		14		0.34	1.9
Barium		9.1		0.47	0.95
Beryllium		1.1		0.012	0.38
Cadmium		0.33	J	0.015	0.38
Calcium		480	B	6.7	38
Chromium		1400		0.47	0.95
Cobalt		4.4		0.12	0.95
Copper		16		0.25	1.9
Iron		8400	B	1.8	9.5
Lead		8.0		0.11	0.95
Magnesium		830	B	3.0	19
Manganese		40		0.18	1.9
Nickel		12		0.17	1.9
Potassium		1900		76	380
Selenium		ND		0.36	0.95
Silver		26		0.11	0.95
Sodium		74	J	29	190
Thallium		ND		0.32	1.9
Vanadium		9.2		0.12	1.9
Zinc		23		0.60	4.7
Tin		1.9	J B	0.60	9.5

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.29 g
Date Analyzed:	12/14/2010 1331			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.040	0.12

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6

Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.92 g
Date Analyzed:	12/13/2010 1711			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		24000		3.0	7.0
Antimony		ND		0.40	1.4
Arsenic		9.3		0.50	2.8
Barium		16		0.70	1.4
Beryllium		1.4		0.017	0.56
Cadmium		0.099	J	0.022	0.56
Calcium		850	B	9.9	56
Chromium		250		0.70	1.4
Cobalt		3.2		0.17	1.4
Copper		19		0.37	2.8
Iron		6300	B	2.6	14
Lead		14		0.16	1.4
Magnesium		1100	B	4.3	28
Manganese		55		0.26	2.8
Nickel		10		0.25	2.8
Potassium		1200		110	560
Selenium		ND		0.54	1.4
Silver		3.7		0.16	1.4
Sodium		88	J	43	280
Thallium		ND		0.46	2.8
Vanadium		15		0.18	2.8
Zinc		24		0.88	7.0
Tin		2.7	J B	0.88	14

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.32 g
Date Analyzed:	12/14/2010 1333			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.070	J	0.057	0.17

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4

Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.77 g
Date Analyzed:	12/13/2010 1714			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14000		4.3	9.9
Antimony		ND		0.57	2.0
Arsenic		6.7		0.72	4.0
Barium		10		0.99	2.0
Beryllium		1.1		0.025	0.79
Cadmium		0.62	J	0.032	0.79
Calcium		2000	B	14	79
Chromium		2400		0.99	2.0
Cobalt		15		0.25	2.0
Copper		39		0.52	4.0
Iron		13000	B	3.7	20
Lead		14		0.22	2.0
Magnesium		1000	B	6.2	40
Manganese		160		0.38	4.0
Nickel		15		0.35	4.0
Potassium		1400		160	790
Selenium		ND		0.76	2.0
Silver		41		0.23	2.0
Sodium		360	J	61	400
Thallium		ND		0.66	4.0
Vanadium		11		0.26	4.0
Zinc		100		1.2	9.9
Tin		5.1	J B	1.2	20

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	12/14/2010 1335			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.085	0.25

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.88 g
Date Analyzed:	12/13/2010 1717			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9700		2.0	4.7
Antimony		ND		0.27	0.93
Arsenic		15		0.34	1.9
Barium		86		0.47	0.93
Beryllium		0.31	J	0.012	0.37
Cadmium		0.28	J	0.015	0.37
Calcium		4800	B	6.6	37
Chromium		300		0.47	0.93
Cobalt		5.3		0.12	0.93
Copper		24		0.25	1.9
Iron		15000	B	1.8	9.3
Lead		30		0.10	0.93
Magnesium		2000	B	2.9	19
Manganese		260		0.18	1.9
Nickel		11		0.17	1.9
Potassium		850		75	370
Selenium		ND		0.36	0.93
Silver		5.3		0.11	0.93
Sodium		110	J	29	190
Thallium		ND		0.31	1.9
Vanadium		16		0.12	1.9
Zinc		57		0.59	4.7
Tin		2.4	J B	0.59	9.3

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.32 g
Date Analyzed:	12/14/2010 1337			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057	J	0.037	0.11

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8

Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-67097		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-67039		Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.83 g
Date Analyzed:	12/13/2010 1553			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11000		2.0	4.5
Antimony		ND		0.26	0.91
Arsenic		11		0.33	1.8
Barium		45		0.45	0.91
Beryllium		0.36		0.011	0.36
Cadmium		0.31	J	0.015	0.36
Calcium		4700	B	6.4	36
Chromium		240		0.45	0.91
Cobalt		5.3		0.11	0.91
Copper		24		0.24	1.8
Iron		16000	B	1.7	9.1
Lead		35		0.10	0.91
Magnesium		2700	B	2.8	18
Manganese		280		0.17	1.8
Nickel		11		0.16	1.8
Potassium		1000		73	360
Selenium		ND		0.35	0.91
Silver		4.1		0.10	0.91
Sodium		100	J	28	180
Thallium		ND		0.30	1.8
Vanadium		20		0.12	1.8
Zinc		65		0.57	4.5
Tin		2.0	J B	0.57	9.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-67132		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-67092		Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.33 g
Date Analyzed:	12/14/2010 1318			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.045	J	0.034	0.10

General Chemistry

Client Sample ID: **OC-SD-ISCO-2-XXX**

Lab Sample ID: 360-31465-1
Client Matrix: Solid
% Moisture: 47.9
Date Sampled: 12/09/2010 1200
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	28		mg/Kg	2.8	3.9	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1352						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	5.9		mg/Kg	2.7	3.8	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 1926						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	6.88	HF	SU	1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1609				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	200		millivolts	1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1248				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	9.4	9.4	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2213						DryWt Corrected: Y
Sulfate-Soluble	600		mg/Kg	75	75	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2213						DryWt Corrected: Y
Chloride-Soluble	130		mg/Kg	37	37	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2213						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.9	1.9	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2213						DryWt Corrected: Y
Ammonia	290		mg/Kg	3.1	3.1	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1506						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	52000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67464	Date Analyzed: 12/18/2010 0925						DryWt Corrected: N
Percent Moisture	48		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	52		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-LB-1-XXX**

Lab Sample ID: 360-31465-2
Client Matrix: Solid
% Moisture: 43.0
Date Sampled: 12/09/2010 1030
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	8.8	8.8	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2228						DryWt Corrected: Y
Sulfate-Soluble	78		mg/Kg	70	70	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2228						DryWt Corrected: Y
Chloride-Soluble	110		mg/Kg	35	35	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2228						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.8	1.8	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2228						DryWt Corrected: Y
Ammonia	140		mg/Kg	3.6	3.6	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1507						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	33000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67464	Date Analyzed: 12/18/2010 1019						DryWt Corrected: N
Percent Moisture	43		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	57		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-LB-2-XXX**

Lab Sample ID: 360-31465-3
Client Matrix: Solid
% Moisture: 49.2
Date Sampled: 12/09/2010 0935
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	9.6	9.6	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2244						DryWt Corrected: Y
Sulfate-Soluble	110		mg/Kg	77	77	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2244						DryWt Corrected: Y
Chloride-Soluble	61		mg/Kg	38	38	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2244						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.9	1.9	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2244						DryWt Corrected: Y
Ammonia	120		mg/Kg	3.3	3.3	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1508						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	41000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67464	Date Analyzed: 12/18/2010 1144						DryWt Corrected: N
Percent Moisture	49		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	51		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-LB-3-XXX**

Lab Sample ID: 360-31465-4
Client Matrix: Solid
% Moisture: 56.5
Date Sampled: 12/09/2010 0845
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	11	11	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2259						DryWt Corrected: Y
Sulfate-Soluble	310		mg/Kg	92	92	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2259						DryWt Corrected: Y
Chloride-Soluble	150		mg/Kg	46	46	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2259						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	2.3	2.3	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2259						DryWt Corrected: Y
Ammonia	580		mg/Kg	6.3	6.3	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1509						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	51000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67464	Date Analyzed: 12/18/2010 1213						DryWt Corrected: N
Percent Moisture	56		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	44		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-SD-1-XXX**

Lab Sample ID: 360-31465-5
Client Matrix: Solid

% Moisture: 42.8

Date Sampled: 12/09/2010 1315
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	25		mg/Kg	2.5	3.4	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1407						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	ND		mg/Kg	2.5	3.4	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 2003						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units			Dil	Method
pH	5.83	HF	SU			1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1610						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	360		millivolts			1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1250						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	8.6	8.6	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2314						DryWt Corrected: Y
Sulfate-Soluble	640		mg/Kg	69	69	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2314						DryWt Corrected: Y
Chloride-Soluble	140		mg/Kg	34	34	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2314						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.7	1.7	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2314						DryWt Corrected: Y
Ammonia	240		mg/Kg	3.8	3.8	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1511						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	48000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1128						DryWt Corrected: N
Percent Moisture	43		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	57		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-SD-SD3-XXX**

Lab Sample ID: 360-31465-6
Client Matrix: Solid
% Moisture: 24.9
Date Sampled: 12/09/2010 1545
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	ND		mg/Kg	1.9	2.6	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1422						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	13		mg/Kg	2.0	2.7	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 2017						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	7.51	HF	SU	1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1612				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	150		millivolts	1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1252				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	6.5	6.5	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2329						DryWt Corrected: Y
Sulfate-Soluble	360		mg/Kg	52	52	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2329						DryWt Corrected: Y
Chloride-Soluble	64		mg/Kg	26	26	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2329						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.3	1.3	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2329						DryWt Corrected: Y
Ammonia	170		mg/Kg	2.5	2.5	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1512						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	30000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1156						DryWt Corrected: N
Percent Moisture	25		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	75		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-SDSW-E-XXX**

Lab Sample ID: 360-31465-7
Client Matrix: Solid
% Moisture: 22.5
Date Sampled: 12/09/2010 1440
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	2.6		mg/Kg	1.9	2.6	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1451						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	ND		mg/Kg	1.9	2.6	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 2031						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	6.82	HF	SU	1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1611				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	280		millivolts	1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1254				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	6.3	6.3	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2344						DryWt Corrected: Y
Sulfate-Soluble	210		mg/Kg	50	50	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2344						DryWt Corrected: Y
Chloride-Soluble	52		mg/Kg	25	25	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2344						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.3	1.3	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2344						DryWt Corrected: Y
Ammonia	130		mg/Kg	2.7	2.7	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1513						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	7500		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1231						DryWt Corrected: N
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-OPWD-1-XXX**

Lab Sample ID: 360-31465-9
Client Matrix: Solid
% Moisture: 42.1
Date Sampled: 12/10/2010 1315
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	8.4	8.4	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2359						DryWt Corrected: Y
Sulfate-Soluble	310		mg/Kg	67	67	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2359						DryWt Corrected: Y
Chloride-Soluble	110		mg/Kg	33	33	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/22/2010 2359						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.7	1.7	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/22/2010 2359						DryWt Corrected: Y
Ammonia	93		mg/Kg	3.2	3.2	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1514						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	13000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1257						DryWt Corrected: N
Percent Moisture	42		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	58		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-OPWD-2-XXX**

Lab Sample ID: 360-31465-10
Client Matrix: Solid
% Moisture: 62.6
Date Sampled: 12/10/2010 1345
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	13	13	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0014						DryWt Corrected: Y
Sulfate-Soluble	280		mg/Kg	100	100	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0014						DryWt Corrected: Y
Chloride-Soluble	91		mg/Kg	52	52	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0014						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	2.6	2.6	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0014						DryWt Corrected: Y
Ammonia	130		mg/Kg	4.3	4.3	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1515						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	28000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1410						DryWt Corrected: N
Percent Moisture	63		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	37		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-OPWD-SD/SP/SW-S-XXX**

Lab Sample ID: 360-31465-11
Client Matrix: Solid
% Moisture: 71.4
Date Sampled: 12/10/2010 1230
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	ND		mg/Kg	5.1	7.1	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1513						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	5.4	J	mg/Kg	5.2	7.2	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 2039						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	7.19	HF	SU	1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1614				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	150		millivolts	1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1256				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	17	17	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0029						DryWt Corrected: Y
Sulfate-Soluble	1500		mg/Kg	140	140	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0029						DryWt Corrected: Y
Chloride-Soluble	240		mg/Kg	68	68	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0029						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	3.4	3.4	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0029						DryWt Corrected: Y
Ammonia	540		mg/Kg	4.2	4.2	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1516						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	34000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1443						DryWt Corrected: N
Percent Moisture	71		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	29		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-SD-SD2-DUP**

Lab Sample ID: 360-31465-12
Client Matrix: Solid
% Moisture: 42.9
Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	ND		mg/Kg	2.5	3.4	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1520						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	ND		mg/Kg	2.6	3.5	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 2053						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	7.69	HF	SU	1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1613				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	82		millivolts	1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1257				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	8.6	8.6	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0115						DryWt Corrected: Y
Sulfate-Soluble	510		mg/Kg	69	69	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0115						DryWt Corrected: Y
Chloride-Soluble	45		mg/Kg	35	35	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0115						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.7	1.7	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0115						DryWt Corrected: Y
Ammonia	220		mg/Kg	3.9	3.9	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1517						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	30000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1512						DryWt Corrected: N
Percent Moisture	43		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	57		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SD-SD-SD2-XXX**

Lab Sample ID: 360-31465-13
Client Matrix: Solid
% Moisture: 39.8
Date Sampled: 12/10/2010 0900
Date Received: 12/10/2010 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	ND		mg/Kg	2.4	3.3	10	7199
Analysis Batch: 460-59435	Date Analyzed: 12/18/2010 1246						DryWt Corrected: Y
Prep Batch: 460-59082	Date Prepared: 12/17/2010 1100						
Chromium (hexavalent)	ND		mg/Kg	2.4	3.3	10	7199
Analysis Batch: 460-59439	Date Analyzed: 12/20/2010 1835						DryWt Corrected: Y
Prep Batch: 460-59331	Date Prepared: 12/20/2010 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	7.66	HF	SU	1.0	9045C
Analysis Batch: 460-59560	Date Analyzed: 12/21/2010 1607				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	100		millivolts	1.0	SM 2580B
Analysis Batch: 460-59591	Date Analyzed: 12/21/2010 1244				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrate as N-Soluble	ND		mg/Kg	8.0	8.0	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0130						DryWt Corrected: Y
Sulfate-Soluble	700		mg/Kg	64	64	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0130						DryWt Corrected: Y
Chloride-Soluble	38		mg/Kg	32	32	1.0	300.0
Analysis Batch: 360-67626	Date Analyzed: 12/23/2010 0130						DryWt Corrected: Y
Nitrite as N-Soluble	ND		mg/Kg	1.6	1.6	1.0	300.0
Analysis Batch: 360-67629	Date Analyzed: 12/23/2010 0130						DryWt Corrected: Y
Ammonia	250		mg/Kg	3.5	3.5	1.0	L107-06-1B
Analysis Batch: 360-67341	Date Analyzed: 12/17/2010 1502						DryWt Corrected: Y
Prep Batch: 360-67325	Date Prepared: 12/17/2010 1020						
Total Organic Carbon	30000		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-67468	Date Analyzed: 12/20/2010 1540						DryWt Corrected: N
Percent Moisture	40		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N
Percent Solids	60		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-67208	Date Analyzed: 12/15/2010 1446						DryWt Corrected: N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Surrogate Recovery Report

8260C Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-31465-1	OC-SD-ISCO-2-XXX	98	99	98
360-31465-2	OC-SD-LB-1-XXX	98	101	102
360-31465-3	OC-SD-LB-2-XXX	98	101	101
360-31465-4	OC-SD-LB-3-XXX	100	102	102
360-31465-5	OC-SD-SD-1-XXX	98	101	100
360-31465-6	OC-SD-SD-SD3-XXX	100	102	101
360-31465-7	OC-SD-SDSW-E-XXX	100	101	102
360-31465-8	OC-TBK-064	97	103	104
360-31465-9	OC-SD-OPWD-1-XXX	97	102	100
360-31465-10	OC-SD-OPWD-2-XXX	98	101	103
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	98	102	100
360-31465-12	OC-SD-SD-SD2-DUP	99	102	102
360-31465-13	OC-SD-SD-SD2-XXX	98	100	104
360-31465-14	OC-TBK-066	97	102	104
MB 360-67366/3-A		97	101	101
LCS 360-67366/1-A		100	109	101
LCSD 360-67366/2-A		103	109	104
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	103	108	100
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	103	108	101

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
360-31465-1	OC-SD-ISCO-2-XXX	39	52	47	48	74	69
360-31465-1 DL	OC-SD-ISCO-2-XXX DL	0D X	0D X	0D X	0D X	0D X	0D X
360-31465-2	OC-SD-LB-1-XXX	53	57	47	41	61	37
360-31465-3	OC-SD-LB-2-XXX	49	49	50	47	70	43
360-31465-4	OC-SD-LB-3-XXX	0D X	0D X	0D X	0D X	0D X	0D X
360-31465-5	OC-SD-SD-1-XXX	46	55	57	52	75	49
360-31465-5 DL	OC-SD-SD-1-XXX DL	0D X	0D X	0D X	0D X	0D X	0D X
360-31465-6	OC-SD-SD-SD3-XXX	59	65	52	46	78	41
360-31465-7	OC-SD-SDSW-E-XXX	63	67	52	43	70	40
360-31465-9	OC-SD-OPWD-1-XXX	62	67	70	53	65	58
360-31465-10	OC-SD-OPWD-2-XXX	63	60	60	49	56	41
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	64	66	60	47	71	46
360-31465-12	OC-SD-SD-SD2-DUP	60	58	43	49	65	43
360-31465-12 DL	OC-SD-SD-SD2-DUP DL	52	46	44	47	92	38
360-31465-13	OC-SD-SD-SD2-XXX	59	57	43	50	62	45
360-31465-13 DL	OC-SD-SD-SD2-XXX DL	50	48	44	49	91	41
MB 360-67334/1-A		74	76	68	74	72	76
LCS 360-67334/2-A		74	78	77	74	78	76
LCSD 360-67334/3-A		72	78	76	73	80	78
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	63	64	38	56	77	40
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	59	58	34	55	72	38

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Surrogate Recovery Report

MAVPH Massachusetts - Volatile Petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	25DBT1 %Rec	25DBT2 %Rec
360-31465-1	OC-SD-ISCO-2-XXX	95	89
360-31465-5	OC-SD-SD-1-XXX	96	88
360-31465-6	OC-SD-SD-SD3-XXX	93	87
360-31465-7	OC-SD-SDSW-E-XXX	95	88
360-31465-8	OC-TBK-064	91	84
360-31465-12	OC-SD-SD-SD2-DUP	95	88
360-31465-13	OC-SD-SD-SD2-XXX	91	84
360-31465-14	OC-TBK-066	92	86
MB 360-67507/3-A		94	88
LCS 360-67507/1-A		91	91
LCSD 360-67507/2-A		90	91
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	91	89
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	88	88

Surrogate	Acceptance Limits
25DBT = 2,5-Dibromotoluene (pid)	70-130
25DBT = 2,5-Dibromotoluene (fid)	70-130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

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
360-31465-1	OC-SD-ISCO-2-XXX	88	87	0X D	0X D
360-31465-5	OC-SD-SD-1-XXX	84	83	62	68
360-31465-6	OC-SD-SD-SD3-XXX	95	93	70	75
360-31465-7	OC-SD-SDSW-E-XXX	111	107	81	66
360-31465-12	OC-SD-SD-SD2-DUP	75	74	58	76
360-31465-13	OC-SD-SD-SD2-XXX	90	89	63	72
MB 360-66997/1-A		94	93	78	82
MB 360-67139/1-A		94	94	86	89
LCS 360-66997/2-A		87	85	84	73
LCS 360-67139/2-A		96	96	90	85
LCSD 360-66997/3-A		82	82	77	77
LCSD 360-67139/3-A		77	77	76	82
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	82	81	62	77
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	84	84	70	62

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67366

Method: 8260C
Preparation: 5035

Lab Sample ID: MB 360-67366/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1736
Date Prepared: 12/17/2010 0933

Analysis Batch: 360-67368
Prep Batch: 360-67366
Units: ug/Kg

Instrument ID: HP #1 GC/MS
Lab File ID: V50608.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		1.2	2.5
1,1,1-Trichloroethane	ND		2.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.9	2.5
1,1-Dichloroethene	ND		1.6	2.5
1,1-Dichloropropene	ND		1.5	2.5
1,2,3-Trichlorobenzene	ND		1.1	2.5
1,2,3-Trichloropropane	ND		1.2	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.4	2.5
1,2-Dibromo-3-Chloropropane	ND		2.8	25
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
1,2-Dichloropropane	ND		1.6	2.5
1,3,5-Trimethylbenzene	ND		1.5	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.1	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		100	250
2,2-Dichloropropane	ND		2.1	2.5
2-Butanone (MEK)	ND		11	25
2-Chlorotoluene	ND		1.3	2.5
2-Hexanone	ND		14	25
4-Chlorotoluene	ND		1.2	2.5
4-Isopropyltoluene	ND		1.5	2.5
4-Methyl-2-pentanone (MIBK)	ND		10	25
Acetone	24.2	J	17	250
Benzene	ND		1.6	2.5
Bromobenzene	ND		1.0	2.5
Bromoform	ND		1.6	2.5
Bromomethane	ND		2.3	5.0
Carbon disulfide	ND		1.9	2.5
Carbon tetrachloride	ND		1.7	2.5
Chlorobenzene	ND		1.2	2.5
Chlorobromomethane	ND		1.4	2.5
Chlorodibromomethane	ND		1.2	2.5
Chloroethane	ND		2.0	5.0
Chloroform	ND		1.5	2.5
Chloromethane	ND		1.6	5.0
cis-1,2-Dichloroethene	ND		1.2	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Dibromomethane	ND		1.3	2.5

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67366

Method: 8260C
Preparation: 5035

Lab Sample ID: MB 360-67366/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1736
Date Prepared: 12/17/2010 0933

Analysis Batch: 360-67368
Prep Batch: 360-67366
Units: ug/Kg

Instrument ID: HP #1 GC/MS
Lab File ID: V50608.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	RL
Dichlorobromomethane	ND		1.3	2.5
Dichlorodifluoromethane	ND		2.1	5.0
Ethyl ether	ND		1.1	2.5
Ethylbenzene	ND		1.8	2.5
Ethylene Dibromide	ND		1.1	2.5
Hexachlorobutadiene	ND		1.5	2.5
Isopropyl ether	ND		1.1	2.5
Isopropylbenzene	ND		1.5	2.5
m-Xylene & p-Xylene	ND		3.5	5.0
Methyl tert-butyl ether	ND		1.5	2.5
Methylene Chloride	ND		9.8	10
n-Butylbenzene	ND		1.2	2.5
N-Propylbenzene	ND		1.7	2.5
Naphthalene	ND		2.3	25
o-Xylene	ND		1.3	2.5
sec-Butylbenzene	ND		1.4	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.5	2.5
Tert-butyl ethyl ether	ND		1.4	2.5
tert-Butylbenzene	ND		1.4	2.5
Tetrachloroethene	ND		1.8	2.5
Tetrahydrofuran	ND		12	25
Toluene	ND		1.8	2.5
trans-1,2-Dichloroethene	ND		1.6	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		2.1	2.5
Trichlorofluoromethane	ND		1.4	5.0
Vinyl chloride	ND		1.7	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	12
2,4,4-Trimethyl-1-pentene	ND		1.6	5.0
2,4,4-Trimethyl-2-pentene	ND		1.1	5.0
Cyclohexane	ND		1.0	25
Methyl acetate	ND		14	50
Methylcyclohexane	ND		1.6	2.5

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank TICs- Batch: 360-67366

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

LCS Lab Sample ID:	LCS 360-67366/1-A	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50604.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/17/2010 1559			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

LCSD Lab Sample ID:	LCSD 360-67366/2-A	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50605.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/17/2010 1624			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	85	87	70 - 130	2	20		
1,1,1-Trichloroethane	97	95	70 - 130	2	20		
1,1,2,2-Tetrachloroethane	74	80	70 - 130	8	20		
1,1,2-Trichloroethane	85	91	70 - 130	6	20		
1,1-Dichloroethane	89	88	70 - 130	1	20		
1,1-Dichloroethene	95	93	70 - 130	2	20		
1,1-Dichloropropene	95	93	70 - 130	1	20		
1,2,3-Trichlorobenzene	91	95	70 - 130	4	20		
1,2,3-Trichloropropane	79	88	70 - 130	10	20		
1,2,4-Trichlorobenzene	93	96	70 - 130	3	20		
1,2,4-Trimethylbenzene	88	88	70 - 130	0	20		
1,2-Dibromo-3-Chloropropane	79	81	70 - 130	2	20		
1,2-Dichlorobenzene	92	94	70 - 130	2	20		
1,2-Dichloroethane	89	93	70 - 130	4	20		
1,2-Dichloropropane	89	90	70 - 130	2	20		
1,3,5-Trimethylbenzene	87	88	70 - 130	1	20		
1,3-Dichlorobenzene	88	90	70 - 130	3	20		
1,3-Dichloropropane	90	93	70 - 130	4	20		
1,4-Dichlorobenzene	91	92	70 - 130	1	20		
1,4-Dioxane	87	84	70 - 130	3	20		
2,2-Dichloropropane	84	81	70 - 130	3	20		
2-Butanone (MEK)	71	77	70 - 130	8	20		
2-Chlorotoluene	86	87	70 - 130	0	20		
2-Hexanone	88	95	70 - 130	7	20		
4-Chlorotoluene	88	90	70 - 130	2	20		
4-Isopropyltoluene	92	91	70 - 130	1	20		
4-Methyl-2-pentanone (MIBK)	79	85	70 - 130	7	20		
Acetone	72	76	70 - 130	6	20		
Benzene	90	90	70 - 130	1	20		
Bromobenzene	81	81	70 - 130	1	20		
Bromoform	80	85	70 - 130	6	20		
Bromomethane	89	85	70 - 130	5	20		
Carbon disulfide	90	87	70 - 130	3	20		
Carbon tetrachloride	94	93	70 - 130	1	20		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

LCS Lab Sample ID:	LCS 360-67366/1-A	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50604.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/17/2010 1559			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

LCSD Lab Sample ID:	LCSD 360-67366/2-A	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50605.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/17/2010 1624			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorobenzene	96	97	70 - 130	1	20		
Chlorobromomethane	95	97	70 - 130	2	20		
Chlorodibromomethane	91	94	70 - 130	4	20		
Chloroethane	78	73	70 - 130	6	20		
Chloroform	90	91	70 - 130	1	20		
Chloromethane	81	77	70 - 130	6	20		
cis-1,2-Dichloroethene	85	85	70 - 130	0	20		
cis-1,3-Dichloropropene	92	95	70 - 130	3	20		
Dibromomethane	95	99	70 - 130	4	20		
Dichlorobromomethane	88	89	70 - 130	2	20		
Dichlorodifluoromethane	70	68	70 - 130	2	20		*
Ethyl ether	82	87	70 - 130	6	20		
Ethylbenzene	92	93	70 - 130	0	20		
Ethylene Dibromide	92	96	70 - 130	4	20		
Hexachlorobutadiene	94	93	70 - 130	2	20		
Isopropyl ether	80	81	70 - 130	1	20		
Isopropylbenzene	90	90	70 - 130	0	20		
m-Xylene & p-Xylene	93	93	70 - 130	0	20		
Methyl tert-butyl ether	82	85	70 - 130	4	20		
Methylene Chloride	92	91	70 - 130	1	20		
n-Butylbenzene	96	94	70 - 130	1	20		
N-Propylbenzene	91	90	70 - 130	1	20		
Naphthalene	81	86	70 - 130	6	20		
o-Xylene	90	91	70 - 130	1	20		
sec-Butylbenzene	89	88	70 - 130	0	20		
Styrene	89	92	70 - 130	3	20		
Tert-amyl methyl ether	81	85	70 - 130	5	20		
Tert-butyl ethyl ether	82	84	70 - 130	2	20		
tert-Butylbenzene	91	91	70 - 130	0	20		
Tetrachloroethene	104	101	70 - 130	3	20		
Tetrahydrofuran	76	83	70 - 130	9	20		
Toluene	101	101	70 - 130	0	20		
trans-1,2-Dichloroethene	87	86	70 - 130	1	20		
trans-1,3-Dichloropropene	91	97	70 - 130	6	20		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

LCS Lab Sample ID:	LCS 360-67366/1-A	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50604.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/17/2010 1559			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

LCSD Lab Sample ID:	LCSD 360-67366/2-A	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50605.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/17/2010 1624			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Trichloroethene	97	95	70 - 130	2	20		
Trichlorofluoromethane	87	82	70 - 130	6	20		
Vinyl chloride	86	81	70 - 130	6	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	107	104	70 - 130	2	20		
2,4,4-Trimethyl-1-pentene	90	85	70 - 130	6	20		
2,4,4-Trimethyl-2-pentene	109	105	70 - 130	3	20		
Cyclohexane	90	87	70 - 130	3	20		
Methyl acetate	70	76	70 - 130	8	20		
Methylcyclohexane	91	88	70 - 130	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	104	70 - 130
Toluene-d8 (Surr)	109	109	70 - 130
Dibromofluoromethane	100	103	70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

LCS Lab Sample ID: LCS 360-67366/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1559
Date Prepared: 12/17/2010 0933

Units: ug/Kg

LCSD Lab Sample ID: LCSD 360-67366/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1624
Date Prepared: 12/17/2010 0933

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	85.5	87.5
1,1,1-Trichloroethane	100	100	96.5	94.6
1,1,2,2-Tetrachloroethane	100	100	74.0	80.2
1,1,2-Trichloroethane	100	100	85.2	90.5
1,1-Dichloroethane	100	100	89.2	88.3
1,1-Dichloroethene	100	100	95.1	93.0
1,1-Dichloropropene	100	100	94.6	93.2
1,2,3-Trichlorobenzene	100	100	91.1	95.0
1,2,3-Trichloropropane	100	100	79.2	87.5
1,2,4-Trichlorobenzene	100	100	93.1	96.0
1,2,4-Trimethylbenzene	100	100	87.6	87.7
1,2-Dibromo-3-Chloropropane	100	100	78.9	80.7
1,2-Dichlorobenzene	100	100	92.4	93.8
1,2-Dichloroethane	100	100	89.4	92.7
1,2-Dichloropropane	100	100	88.6	90.0
1,3,5-Trimethylbenzene	100	100	87.3	87.9
1,3-Dichlorobenzene	100	100	87.7	90.2
1,3-Dichloropropane	100	100	90.0	93.4
1,4-Dichlorobenzene	100	100	91.1	92.1
1,4-Dioxane	1000	1000	868	841
2,2-Dichloropropane	100	100	83.7	81.3
2-Butanone (MEK)	1000	1000	711	767
2-Chlorotoluene	100	100	86.4	86.7
2-Hexanone	1000	1000	881	950
4-Chlorotoluene	100	100	88.2	89.7
4-Isopropyltoluene	100	100	92.3	91.4
4-Methyl-2-pentanone (MIBK)	1000	1000	792	849
Acetone	1000	1000	716	763
Benzene	100	100	89.5	90.2
Bromobenzene	100	100	80.9	81.5
Bromoform	100	100	80.2	84.8
Bromomethane	100	100	88.7	84.5
Carbon disulfide	100	100	89.6	87.4
Carbon tetrachloride	100	100	94.4	93.5
Chlorobenzene	100	100	96.4	97.2
Chlorobromomethane	100	100	94.6	96.8
Chlorodibromomethane	100	100	90.8	94.3
Chloroethane	100	100	78.2	73.3
Chloroform	100	100	90.5	91.1
Chloromethane	100	100	81.5	76.5
cis-1,2-Dichloroethene	100	100	84.6	84.8

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

LCS Lab Sample ID: LCS 360-67366/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1559
Date Prepared: 12/17/2010 0933

Units: ug/Kg

LCSD Lab Sample ID: LCSD 360-67366/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1624
Date Prepared: 12/17/2010 0933

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
cis-1,3-Dichloropropene	100	100	92.2	94.6	
Dibromomethane	100	100	94.8	98.8	
Dichlorobromomethane	100	100	87.9	89.5	
Dichlorodifluoromethane	100	100	69.8	68.4	*
Ethyl ether	100	100	81.7	86.6	
Ethylbenzene	100	100	92.4	92.8	
Ethylene Dibromide	100	100	91.8	95.6	
Hexachlorobutadiene	100	100	94.1	92.7	
Isopropyl ether	100	100	79.6	80.5	
Isopropylbenzene	100	100	90.0	90.2	
m-Xylene & p-Xylene	200	200	186	186	
Methyl tert-butyl ether	100	100	81.7	84.6	
Methylene Chloride	100	100	91.9	90.9	
n-Butylbenzene	100	100	95.5	94.3	
N-Propylbenzene	100	100	90.5	90.0	
Naphthalene	100	100	80.9	86.3	
o-Xylene	100	100	89.8	90.5	
sec-Butylbenzene	100	100	88.5	88.2	
Styrene	100	100	89.1	91.8	
Tert-amyl methyl ether	100	100	80.9	85.2	
Tert-butyl ethyl ether	100	100	82.2	84.2	
tert-Butylbenzene	100	100	91.3	91.1	
Tetrachloroethene	100	100	104	101	
Tetrahydrofuran	1000	1000	757	831	
Toluene	100	100	101	101	
trans-1,2-Dichloroethene	100	100	87.0	85.7	
trans-1,3-Dichloropropene	100	100	91.1	96.8	
Trichloroethene	100	100	97.1	95.4	
Trichlorofluoromethane	100	100	86.9	82.2	
Vinyl chloride	100	100	86.2	81.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	107	104	
2,4,4-Trimethyl-1-pentene	100	100	90.5	85.2	
2,4,4-Trimethyl-2-pentene	100	100	109	105	
Cyclohexane	100	100	89.7	86.7	
Methyl acetate	1000	1000	698	758	
Methylcyclohexane	100	100	90.8	88.0	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50626.D
Dilution:	1.0			Initial Weight/Volume:	5.91 g
Date Analyzed:	12/18/2010 0049			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50627.D
Dilution:	1.0			Initial Weight/Volume:	7.95 g
Date Analyzed:	12/18/2010 0113			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	69	70	70 - 130	29	30	F	
1,1,1-Trichloroethane	80	80	70 - 130	30	30		
1,1,2,2-Tetrachloroethane	68	63	70 - 130	37	30	F	F
1,1,2-Trichloroethane	80	76	70 - 130	35	30		F
1,1-Dichloroethane	77	77	70 - 130	30	30		
1,1-Dichloroethene	70	71	70 - 130	27	30		
1,1-Dichloropropene	68	68	70 - 130	30	30	F	F
1,2,3-Trichlorobenzene	33	37	70 - 130	18	30	F	F
1,2,3-Trichloropropane	73	72	70 - 130	31	30		F
1,2,4-Trichlorobenzene	34	39	70 - 130	17	30	F	F
1,2,4-Trimethylbenzene	53	56	70 - 130	25	30	F	F
1,2-Dibromo-3-Chloropropane	67	67	70 - 130	29	30	F	F
1,2-Dichlorobenzene	56	57	70 - 130	27	30	F	F
1,2-Dichloroethane	85	82	70 - 130	33	30		F
1,2-Dichloropropane	81	79	70 - 130	32	30		F
1,3,5-Trimethylbenzene	52	55	70 - 130	24	30	F	F
1,3-Dichlorobenzene	49	53	70 - 130	23	30	F	F
1,3-Dichloropropane	83	79	70 - 130	34	30		F
1,4-Dichlorobenzene	51	54	70 - 130	24	30	F	F
1,4-Dioxane	87	95	70 - 130	21	30		
2,2-Dichloropropane	69	70	70 - 130	28	30	F	
2-Butanone (MEK)	71	68	70 - 130	33	30		F
2-Chlorotoluene	54	57	70 - 130	24	30	F	F
2-Hexanone	82	77	70 - 130	35	30		F
4-Chlorotoluene	53	55	70 - 130	25	30	F	F
4-Isopropyltoluene	44	49	70 - 130	19	30	F	F
4-Methyl-2-pentanone (MIBK)	74	71	70 - 130	34	30		F
Acetone	61	60	70 - 130	28	30	F	F
Benzene	78	77	70 - 130	31	30		F
Bromobenzene	54	56	70 - 130	27	30	F	F
Bromoform	67	67	70 - 130	30	30	F	F
Bromomethane	67	70	70 - 130	25	30	F	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50626.D
Dilution:	1.0			Initial Weight/Volume:	5.91 g
Date Analyzed:	12/18/2010 0049			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50627.D
Dilution:	1.0			Initial Weight/Volume:	7.95 g
Date Analyzed:	12/18/2010 0113			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon disulfide	54	59	70 - 130	21	30	F	F
Carbon tetrachloride	69	67	70 - 130	32	30	F	F
Chlorobenzene	70	71	70 - 130	28	30		
Chlorobromomethane	86	83	70 - 130	33	30		F
Chlorodibromomethane	78	75	70 - 130	32	30		F
Chloroethane	60	62	70 - 130	27	30	F	F
Chloroform	80	79	70 - 130	30	30		
Chloromethane	59	62	70 - 130	24	30	F	F
cis-1,2-Dichloroethene	70	70	70 - 130	29	30		
cis-1,3-Dichloropropene	73	70	70 - 130	34	30		F
Dibromomethane	87	84	70 - 130	33	30		F
Dichlorobromomethane	78	77	70 - 130	30	30		
Dichlorodifluoromethane	53	51	70 - 130	33	30	F	F
Ethyl ether	78	76	70 - 130	33	30		F
Ethylbenzene	66	67	70 - 130	27	30	F	F
Ethylene Dibromide	83	78	70 - 130	35	30		F
Hexachlorobutadiene	18	22	70 - 130	9	30	F	F
Isopropyl ether	73	72	70 - 130	31	30		F
Isopropylbenzene	56	60	70 - 130	24	30	F	F
m-Xylene & p-Xylene	65	67	70 - 130	28	30	F	F
Methyl tert-butyl ether	81	79	70 - 130	32	30		F
Methylene Chloride	80	80	70 - 130	28	30		
n-Butylbenzene	36	41	70 - 130	16	30	F	F
N-Propylbenzene	52	55	70 - 130	24	30	F	F
Naphthalene	44	45	70 - 130	27	30	F	F
o-Xylene	65	67	70 - 130	26	30	F	F
sec-Butylbenzene	41	46	70 - 130	19	30	F	F
Styrene	59	60	70 - 130	28	30	F	F
Tert-amyl methyl ether	80	78	70 - 130	32	30		F
Tert-butyl ethyl ether	80	78	70 - 130	33	30		F
tert-Butylbenzene	50	55	70 - 130	21	30	F	F
Tetrachloroethene	69	70	70 - 130	27	30	F	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50626.D
Dilution:	1.0			Initial Weight/Volume:	5.91 g
Date Analyzed:	12/18/2010 0049			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67368	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-67366	Lab File ID:	V50627.D
Dilution:	1.0			Initial Weight/Volume:	7.95 g
Date Analyzed:	12/18/2010 0113			Final Weight/Volume:	5 g
Date Prepared:	12/17/2010 0933				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	75	71	70 - 130	34	30		F
Toluene	81	80	70 - 130	31	30		F
trans-1,2-Dichloroethene	64	65	70 - 130	27	30	F	F
trans-1,3-Dichloropropene	74	72	70 - 130	31	30		F
Trichloroethene	75	74	70 - 130	31	30		F
Trichlorofluoromethane	65	63	70 - 130	32	30	F	F
Vinyl chloride	58	61	70 - 130	24	30	F	F
1,1,2-Trichloro-1,2,2-trifluoroethane	76	74	70 - 130	32	30		F
2,4,4-Trimethyl-1-pentene	57	28	70 - 130	55	30	F	F
2,4,4-Trimethyl-2-pentene	53	55	70 - 130	25	30	F	F
Cyclohexane	53	53	70 - 130	29	30	F	F
Methyl acetate	90	86	70 - 130	34	30		F
Methylcyclohexane	43	47	70 - 130	22	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	70 - 130
Toluene-d8 (Surr)	108	108	70 - 130
Dibromofluoromethane	103	103	70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	360-31465-13	Units: ug/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/18/2010 0049		Date Analyzed:	12/18/2010 0113	
Date Prepared:	12/17/2010 0933		Date Prepared:	12/17/2010 0933	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	ND		140	104	97.5	F	72.9	
1,1,1-Trichloroethane	ND		140	104	113		83.6	
1,1,2,2-Tetrachloroethane	ND		140	104	95.3	F	65.4	F
1,1,2-Trichloroethane	ND		140	104	113		79.5	F
1,1-Dichloroethane	ND		140	104	109		80.6	
1,1-Dichloroethene	ND		140	104	97.8		74.5	
1,1-Dichloropropene	ND		140	104	95.9	F	71.1	F
1,2,3-Trichlorobenzene	ND		140	104	46.4	F	38.8	F
1,2,3-Trichloropropane	ND		140	104	102		74.8	F
1,2,4-Trichlorobenzene	ND		140	104	48.4	F	40.7	F
1,2,4-Trimethylbenzene	ND		140	104	74.4	F	57.9	F
1,2-Dibromo-3-Chloropropane	ND		140	104	94.3	F	70.1	F
1,2-Dichlorobenzene	ND		140	104	78.3	F	59.8	F
1,2-Dichloroethane	ND		140	104	120		85.7	F
1,2-Dichloropropane	ND		140	104	114		82.8	F
1,3,5-Trimethylbenzene	ND		140	104	73.5	F	57.9	F
1,3-Dichlorobenzene	ND		140	104	69.5	F	55.4	F
1,3-Dichloropropane	ND		140	104	116		82.8	F
1,4-Dichlorobenzene	ND		140	104	71.7	F	56.1	F
1,4-Dioxane	ND		1400	1040	1230		989	
2,2-Dichloropropane	ND		140	104	97.3	F	73.2	
2-Butanone (MEK)	20	J	1400	1040	1020		732	F
2-Chlorotoluene	ND		140	104	75.2	F	59.1	F
2-Hexanone	ND		1400	1040	1150		807	F
4-Chlorotoluene	ND		140	104	74.4	F	57.9	F
4-Isopropyltoluene	ND		140	104	61.9	F	51.2	F
4-Methyl-2-pentanone (MIBK)	ND		1400	1040	1040		740	F
Acetone	110	J	1400	1040	968	F	731	F
Benzene	ND		140	104	110		80.5	F
Bromobenzene	ND		140	104	76.5	F	58.3	F
Bromoform	ND		140	104	94.4	F	69.9	F
Bromomethane	ND		140	104	94.7	F	73.6	
Carbon disulfide	ND		140	104	75.3	F	61.2	F
Carbon tetrachloride	ND		140	104	97.0	F	70.2	F
Chlorobenzene	ND		140	104	98.9		74.6	
Chlorobromomethane	ND		140	104	121		86.9	F
Chlorodibromomethane	ND		140	104	109		78.7	F
Chloroethane	ND		140	104	84.0	F	64.2	F
Chloroform	ND		140	104	112		82.6	
Chloromethane	ND		140	104	82.8	F	65.1	F
cis-1,2-Dichloroethene	ND		140	104	97.9		73.3	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67366

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	360-31465-13	Units: ug/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/18/2010 0049		Date Analyzed:	12/18/2010 0113	
Date Prepared:	12/17/2010 0933		Date Prepared:	12/17/2010 0933	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
cis-1,3-Dichloropropene	ND		140	104	103		73.2	F
Dibromomethane	ND		140	104	122		87.4	F
Dichlorobromomethane	ND		140	104	110		80.7	
Dichlorodifluoromethane	ND		140	104	74.7	F	53.4	F
Ethyl ether	ND		140	104	110		79.3	F
Ethylbenzene	ND		140	104	92.5	F	70.4	F
Ethylene Dibromide	ND		140	104	117		81.8	F
Hexachlorobutadiene	ND		140	104	25.5	F	23.3	F
Isopropyl ether	ND		140	104	102		75.2	F
Isopropylbenzene	ND		140	104	79.3	F	62.5	F
m-Xylene & p-Xylene	ND		281	209	183	F	139	F
Methyl tert-butyl ether	ND		140	104	113		82.1	F
Methylene Chloride	ND		140	104	112		84.0	
n-Butylbenzene	ND		140	104	50.8	F	43.2	F
N-Propylbenzene	ND		140	104	72.7	F	57.3	F
Naphthalene	ND		140	104	62.0	F	47.2	F
o-Xylene	ND		140	104	91.3	F	70.1	F
sec-Butylbenzene	ND		140	104	57.9	F	47.9	F
Styrene	ND		140	104	82.7	F	62.6	F
Tert-amyl methyl ether	ND		140	104	112		81.3	F
Tert-butyl ethyl ether	ND		140	104	113		81.4	F
tert-Butylbenzene	ND		140	104	70.5	F	57.3	F
Tetrachloroethene	ND		140	104	96.5	F	73.3	
Tetrahydrofuran	ND		1400	1040	1050		746	F
Toluene	ND		140	104	114		83.2	F
trans-1,2-Dichloroethene	ND		140	104	89.5	F	68.2	F
trans-1,3-Dichloropropene	ND		140	104	103		75.2	F
Trichloroethene	ND		140	104	106		77.6	F
Trichlorofluoromethane	ND		140	104	91.4	F	66.1	F
Vinyl chloride	ND		140	104	81.5	F	63.8	F
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		140	104	106		77.2	F
2,4,4-Trimethyl-1-pentene	37		140	104	117	F	66.2	F
2,4,4-Trimethyl-2-pentene	2.8	J	140	104	76.8	F	60.0	F
Cyclohexane	ND		140	104	74.7	F	55.6	F
Methyl acetate	ND		1400	1040	1270		900	F
Methylcyclohexane	ND		140	104	60.6	F	48.6	F

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67334

Method: 8270D
Preparation: 3546

Lab Sample ID: MB 360-67334/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 0126
Date Prepared: 12/17/2010 1139

Analysis Batch: 360-67459
Prep Batch: 360-67334
Units: ug/Kg

Instrument ID: Inst. B
Lab File ID: B13793.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume: 2 uL

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

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67334

Method: 8270D
Preparation: 3546

Lab Sample ID: MB 360-67334/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 0126
Date Prepared: 12/17/2010 1139

Analysis Batch: 360-67459
Prep Batch: 360-67334
Units: ug/Kg

Instrument ID: Inst. B
Lab File ID: B13793.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume: 2 uL

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

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	72	30 - 130
2-Fluorobiphenyl	74	30 - 130
2-Fluorophenol	74	30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	68	30 - 130
Phenol-d5	76	30 - 130
Terphenyl-d14	76	30 - 130

Method Blank TICs- Batch: 360-67334

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	5.29	23.2	T J
78-95-5	2-Propanone, 1-chloro-	5.36	27.3	T J N
141-79-7	3-Penten-2-one, 4-methyl-	7.05	34.1	T J N
	Unknown	7.67	3620	T J
301-2-0	9-Octadecenamide, (Z)-	16.77	52.6	T J N
112-92-5	1-Octadecanol	17.20	37.4	T J N

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67334/2-A	Analysis Batch:	360-67459	Instrument ID:	Inst. B
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	B13794.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/21/2010 0201			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

LCSD Lab Sample ID:	LCSD 360-67334/3-A	Analysis Batch:	360-67459	Instrument ID:	Inst. B
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	B13795.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/21/2010 0238			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	83	83	40 - 140	0	20		
1,2,4,5-Tetrachlorobenzene	69	69	40 - 140	1	30		
1,2,4-Trichlorobenzene	61	63	40 - 140	3	30		
1,2-Dichlorobenzene	73	77	40 - 140	4	30		
1,3-Dichlorobenzene	72	73	40 - 140	2	30		
1,4-Dichlorobenzene	73	75	40 - 140	3	30		
1-Methylnaphthalene	68	70	40 - 140	3	30		
2,2'-oxybis[1-chloropropane]	80	82	40 - 140	2	30		
2,3,4,6-Tetrachlorophenol	87	86	40 - 140	1	30		
2,4,5-Trichlorophenol	97	94	30 - 130	3	30		
2,4,6-Trichlorophenol	89	91	30 - 130	2	30		
2,4-Dichlorophenol	74	74	30 - 130	0	30		
2,4-Dimethylphenol	79	80	30 - 130	2	30		
2,4-Dinitrophenol	59	57	30 - 130	4	30		
2,4-Dinitrotoluene	90	89	40 - 140	2	30		
2,6-Dinitrotoluene	93	94	40 - 140	2	30		
2-Chloronaphthalene	68	67	40 - 140	2	30		
2-Chlorophenol	82	82	30 - 130	0	30		
2-Methylnaphthalene	71	73	40 - 140	3	30		
2-Methylphenol	84	85	30 - 130	1	30		
2-Nitroaniline	102	99	40 - 140	4	30		
2-Nitrophenol	68	68	30 - 130	1	30		
3 & 4 Methylphenol	99	98	30 - 130	0	30		
3,3'-Dichlorobenzidine	101	98	40 - 140	3	30		
3-Nitroaniline	98	88	40 - 140	11	30		
4,6-Dinitro-2-methylphenol	78	77	30 - 130	1	30		
4-Bromophenyl phenyl ether	88	88	40 - 140	0	30		
4-Chloro-3-methylphenol	83	84	30 - 130	1	30		
4-Chloroaniline	55	51	40 - 140	7	30		
4-Chlorophenyl phenyl ether	90	90	40 - 140	0	30		
4-Nitroaniline	113	101	40 - 140	11	30		
4-Nitrophenol	91	81	30 - 130	12	30		
Acenaphthene	90	89	40 - 140	1	30		
Acenaphthylene	79	79	40 - 140	0	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67334/2-A	Analysis Batch:	360-67459	Instrument ID:	Inst. B
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	B13794.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/21/2010 0201			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

LCSD Lab Sample ID:	LCSD 360-67334/3-A	Analysis Batch:	360-67459	Instrument ID:	Inst. B
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	B13795.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/21/2010 0238			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetophenone	82	83	40 - 140	2	30		
Aniline	49	48	40 - 140	2	30		
Anthracene	93	93	40 - 140	0	30		
Atrazine	100	104	40 - 140	4	30		
Azobenzene	86	88	40 - 140	2	30		
Benzaldehyde	68	72	40 - 140	5	30		
Benzo[a]anthracene	95	94	40 - 140	0	30		
Benzo[a]pyrene	95	93	40 - 140	3	30		
Benzo[b]fluoranthene	90	88	40 - 140	2	30		
Benzo[g,h,i]perylene	103	98	40 - 140	5	30		
Benzo[k]fluoranthene	94	88	40 - 140	7	30		
Benzoic acid	47	46	30 - 130	4	30	J	J
Benzophenone	88	90	40 - 140	2	30		
Benzyl alcohol	93	93	30 - 130	0	30		
Bis(2-chloroethoxy)methane	68	70	40 - 140	3	30		
Bis(2-chloroethyl)ether	75	77	40 - 140	4	30		
Bis(2-ethylhexyl) phthalate	97	104	40 - 140	7	30		
Butyl benzyl phthalate	89	94	40 - 140	6	30		
Caprolactam	77	79	40 - 140	3	30		
Carbazole	104	101	40 - 140	4	30		
Chrysene	94	94	40 - 140	0	30		
Dibenz(a,h)anthracene	102	95	40 - 140	7	30		
Dibenzofuran	86	85	40 - 140	1	30		
Diethyl phthalate	95	96	40 - 140	2	30		
Dimethyl phthalate	91	91	40 - 140	1	30		
Di-n-butyl phthalate	99	102	40 - 140	3	30		
Di-n-octyl phthalate	95	99	40 - 140	4	30		
Fluoranthene	90	91	40 - 140	2	30		
Fluorene	94	93	40 - 140	1	30		
Hexachlorobenzene	84	88	40 - 140	5	30		
Hexachlorobutadiene	65	66	40 - 140	2	30		
Hexachlorocyclopentadiene	55	43	40 - 140	25	30		
Hexachloroethane	70	71	40 - 140	2	30		
Indeno[1,2,3-cd]pyrene	108	101	40 - 140	7	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67334/2-A	Analysis Batch:	360-67459	Instrument ID:	Inst. B
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	B13794.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/21/2010 0201			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

LCSD Lab Sample ID:	LCSD 360-67334/3-A	Analysis Batch:	360-67459	Instrument ID:	Inst. B
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	B13795.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/21/2010 0238			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Isophorone	55	57	40 - 140	3	30		
Naphthalene	68	69	40 - 140	1	30		
Nitrobenzene	68	68	40 - 140	0	30		
N-Nitrosodi-n-propylamine	81	86	40 - 140	5	30		
N-Nitrosodiphenylamine	86	87	40 - 140	1	30		
Pentachlorophenol	84	86	30 - 130	2	30		
Phenanthrene	88	88	40 - 140	1	30		
Phenol	88	87	30 - 130	0	30		
Diphenyl oxide	71	75	40 - 140	5	30		
Pyrene	90	93	40 - 140	3	30		
N-Nitrosodimethylamine	75	77	40 - 140	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	78	80	30 - 130
2-Fluorobiphenyl	74	73	30 - 130
2-Fluorophenol	74	72	30 - 130
Nitrobenzene-d5	77	76	30 - 130
Phenol-d5	78	78	30 - 130
Terphenyl-d14	76	78	30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67334/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-67334/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/21/2010 0201			Date Analyzed:	12/21/2010 0238
Date Prepared:	12/17/2010 1139			Date Prepared:	12/17/2010 1139

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1'-Biphenyl	333	333	278	277
1,2,4,5-Tetrachlorobenzene	333	333	230	232
1,2,4-Trichlorobenzene	333	333	203	210
1,2-Dichlorobenzene	333	333	244	255
1,3-Dichlorobenzene	333	333	241	245
1,4-Dichlorobenzene	333	333	244	251
1-Methylnaphthalene	333	333	227	233
2,2'-oxybis[1-chloropropane]	333	333	266	272
2,3,4,6-Tetrachlorophenol	333	333	289	287
2,4,5-Trichlorophenol	333	333	322	312
2,4,6-Trichlorophenol	333	333	298	305
2,4-Dichlorophenol	333	333	248	248
2,4-Dimethylphenol	333	333	262	266
2,4-Dinitrophenol	333	333	198	190
2,4-Dinitrotoluene	333	333	302	295
2,6-Dinitrotoluene	333	333	308	315
2-Chloronaphthalene	333	333	228	224
2-Chlorophenol	333	333	272	273
2-Methylnaphthalene	333	333	236	243
2-Methylphenol	333	333	282	284
2-Nitroaniline	333	333	341	329
2-Nitrophenol	333	333	227	225
3 & 4 Methylphenol	333	333	329	328
3,3'-Dichlorobenzidine	333	333	336	325
3-Nitroaniline	333	333	328	294
4,6-Dinitro-2-methylphenol	333	333	259	257
4-Bromophenyl phenyl ether	333	333	293	293
4-Chloro-3-methylphenol	333	333	278	281
4-Chloroaniline	333	333	184	171
4-Chlorophenyl phenyl ether	333	333	299	299
4-Nitroaniline	333	333	375	337
4-Nitrophenol	333	333	305	270
Acenaphthene	333	333	300	297
Acenaphthylene	333	333	264	264
Acetophenone	333	333	272	277
Aniline	333	333	162	158
Anthracene	333	333	310	309
Atrazine	333	333	332	346
Azobenzene	333	333	287	292
Benzaldehyde	333	333	228	239
Benzo[a]anthracene	333	333	315	314

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67334/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-67334/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/21/2010 0201			Date Analyzed:	12/21/2010 0238
Date Prepared:	12/17/2010 1139			Date Prepared:	12/17/2010 1139

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzo[a]pyrene	333	333	317	309
Benzo[b]fluoranthene	333	333	299	294
Benzo[g,h,i]perylene	333	333	343	326
Benzo[k]fluoranthene	333	333	314	292
Benzoic acid	333	333	158 J	152 J
Benzophenone	333	333	294	301
Benzyl alcohol	333	333	311	311
Bis(2-chloroethoxy)methane	333	333	227	233
Bis(2-chloroethyl)ether	333	333	249	258
Bis(2-ethylhexyl) phthalate	333	333	323	346
Butyl benzyl phthalate	333	333	295	312
Caprolactam	333	333	255	264
Carbazole	333	333	348	335
Chrysene	333	333	312	313
Dibenz(a,h)anthracene	333	333	339	315
Dibenzofuran	333	333	286	282
Diethyl phthalate	333	333	315	321
Dimethyl phthalate	333	333	302	305
Di-n-butyl phthalate	333	333	331	340
Di-n-octyl phthalate	333	333	317	331
Fluoranthene	333	333	299	303
Fluorene	333	333	312	310
Hexachlorobenzene	333	333	279	293
Hexachlorobutadiene	333	333	216	221
Hexachlorocyclopentadiene	333	333	184	144
Hexachloroethane	333	333	232	237
Indeno[1,2,3-cd]pyrene	333	333	358	335
Isophorone	333	333	184	189
Naphthalene	333	333	226	229
Nitrobenzene	333	333	227	228
N-Nitrosodi-n-propylamine	333	333	271	286
N-Nitrosodiphenylamine	333	333	287	290
Pentachlorophenol	333	333	281	287
Phenanthrene	333	333	292	294
Phenol	333	333	292	291
Diphenyl oxide	333	333	238	250
Pyrene	333	333	300	309
N-Nitrosodimethylamine	333	333	251	258

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67510	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	J2086.D
Dilution:	1.0			Initial Weight/Volume:	30.46 g
Date Analyzed:	12/21/2010 2145			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67510	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	J2087.D
Dilution:	1.0			Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 2217			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	65	62	40 - 140	5	30		
1,2,4,5-Tetrachlorobenzene	51	52	40 - 140	1	30		
1,2,4-Trichlorobenzene	47	47	40 - 140	0	30		
1,2-Dichlorobenzene	63	62	40 - 140	0	30		
1,3-Dichlorobenzene	58	61	40 - 140	4	30		
1,4-Dichlorobenzene	63	64	40 - 140	2	30		
1-Methylnaphthalene	49	48	40 - 140	2	30		
N-Nitrosodimethylamine	0	0	40 - 140	NC	30		
2,2'-oxybis[1-chloropropane]	67	61	40 - 140	8	30		
2,3,4,6-Tetrachlorophenol	72	71	40 - 140	2	30		
2,4,5-Trichlorophenol	79	73	30 - 130	7	30		
2,4,6-Trichlorophenol	92	82	30 - 130	11	30		
2,4-Dichlorophenol	55	52	30 - 130	5	30		
2,4-Dimethylphenol	59	56	30 - 130	5	30		
2,4-Dinitrophenol	0	0	30 - 130	NC	30		
2,4-Dinitrotoluene	50	35	40 - 140	37	30		
2,6-Dinitrotoluene	51	37	40 - 140	33	30		
2-Chloronaphthalene	52	48	40 - 140	7	30		
2-Chlorophenol	72	67	30 - 130	8	30		
2-Methylnaphthalene	50	49	40 - 140	2	30		
2-Methylphenol	74	67	30 - 130	9	30		
2-Nitroaniline	79	65	40 - 140	19	30		
2-Nitrophenol	33	28	30 - 130	18	30		
3 & 4 Methylphenol	476	272	30 - 130	25	30	E	E
3,3'-Dichlorobenzidine	9	11	40 - 140	15	30	J	J
3-Nitroaniline	4	18	40 - 140	123	30	J	J
4,6-Dinitro-2-methylphenol	9	9	30 - 130	1	30	J	J
4-Bromophenyl phenyl ether	75	71	40 - 140	5	30		
4-Chloro-3-methylphenol	63	57	30 - 130	8	30		
4-Chloroaniline	11	11	40 - 140	2	30	J	J
4-Chlorophenyl phenyl ether	70	65	40 - 140	8	30		
4-Nitroaniline	7	38	40 - 140	138	30	J	J

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67510	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	J2086.D
Dilution:	1.0			Initial Weight/Volume:	30.46 g
Date Analyzed:	12/21/2010 2145			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67510	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	J2087.D
Dilution:	1.0			Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 2217			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4-Nitrophenol	70	60	30 - 130	15	30		
Acenaphthene	74	69	40 - 140	7	30		
Acenaphthylene	59	55	40 - 140	7	30		
Acetophenone	83	76	40 - 140	7	30		
Aniline	27	28	40 - 140	2	30		
Anthracene	60	53	40 - 140	11	30		
Atrazine	67	60	40 - 140	11	30		
Azobenzene	64	31	40 - 140	70	30		
Benzaldehyde	111	120	40 - 140	5	30		E
Benzo[a]anthracene	63	47	40 - 140	23	30		
Benzo[a]pyrene	86	62	40 - 140	28	30		
Benzo[b]fluoranthene	62	41	40 - 140	32	30		
Benzo[g,h,i]perylene	62	42	40 - 140	31	30		
Benzo[k]fluoranthene	61	43	40 - 140	26	30		
Benzoic acid	64	38	30 - 130	44	30		J
Benzophenone	66	58	40 - 140	12	30		
Benzyl alcohol	79	73	30 - 130	6	30		
Bis(2-chloroethoxy)methane	53	50	40 - 140	6	30		
Bis(2-chloroethyl)ether	75	71	40 - 140	5	30		
Bis(2-ethylhexyl) phthalate	562	304	40 - 140	49	30	E	E
Butyl benzyl phthalate	70	56	40 - 140	21	30		
Caprolactam	3	1	40 - 140	11	30		
Carbazole	66	56	40 - 140	16	30		
Chrysene	69	45	40 - 140	35	30		
Dibenz(a,h)anthracene	68	48	40 - 140	32	30		
Dibenzofuran	62	56	40 - 140	11	30		
Diethyl phthalate	77	68	40 - 140	13	30		
Dimethyl phthalate	79	72	40 - 140	9	30		
Di-n-butyl phthalate	63	61	40 - 140	3	30		
Di-n-octyl phthalate	73	64	40 - 140	13	30		
Fluoranthene	65	48	40 - 140	22	30		
Fluorene	71	65	40 - 140	9	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67510	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	J2086.D
Dilution:	1.0			Initial Weight/Volume:	30.46 g
Date Analyzed:	12/21/2010 2145			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67510	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-67334	Lab File ID:	J2087.D
Dilution:	1.0			Initial Weight/Volume:	30.36 g
Date Analyzed:	12/21/2010 2217			Final Weight/Volume:	1.0 mL
Date Prepared:	12/17/2010 1139			Injection Volume:	2 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hexachlorobenzene	74	72	40 - 140	2	30		
Hexachlorobutadiene	52	53	40 - 140	3	30		
Hexachlorocyclopentadiene	0	0	40 - 140	NC	30		
Hexachloroethane	38	27	40 - 140	34	30		
Indeno[1,2,3-cd]pyrene	61	44	40 - 140	27	30		
Isophorone	43	41	40 - 140	4	30		
Naphthalene	49	49	40 - 140	0	30		
Nitrobenzene	42	39	40 - 140	7	30		
N-Nitrosodi-n-propylamine	89	81	40 - 140	9	30		
N-Nitrosodiphenylamine	91	95	40 - 140	3	30		
Pentachlorophenol	80	69	30 - 130	14	30		
Phenanthrene	69	60	40 - 140	12	30		
Phenol	212	165	30 - 130	12	30	E	E
Diphenyl oxide	45	52	40 - 140	9	30		
Pyrene	80	51	40 - 140	32	30		
N-Nitrosodimethylamine	0	0	40 - 140	NC	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorophenol	63	59	30 - 130
Phenol-d5	64	58	30 - 130
Nitrobenzene-d5	38	34	30 - 130
2,4,6-Tribromophenol	77	72	30 - 130
Terphenyl-d14	40	38	30 - 130
2-Fluorobiphenyl	56	55	30 - 130
2,4,6-Tribromophenol	77	72	30 - 130
2-Fluorobiphenyl	56	55	30 - 130
2-Fluorophenol	63	59	30 - 130
Nitrobenzene-d5	38	34	30 - 130
Phenol-d5	64	58	30 - 130
Terphenyl-d14	40	38	30 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Units: ug/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/21/2010 2145		Date Analyzed:	12/21/2010 2217	
Date Prepared:	12/17/2010 1139		Date Prepared:	12/17/2010 1139	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1'-Biphenyl		545	547	371		354	
1,2,4,5-Tetrachlorobenzene		545	547	280		283	
1,2,4-Trichlorobenzene		545	547	258		258	
1,2-Dichlorobenzene		545	547	342		341	
1,3-Dichlorobenzene		545	547	357		371	
1,4-Dichlorobenzene		545	547	345		352	
1-Methylnaphthalene		545	547	265		260	
N-Nitrosodimethylamine		545	547	ND		ND	
2,2'-oxybis[1-chloropropane]		545	547	363		334	
2,3,4,6-Tetrachlorophenol		545	547	395		386	
2,4,5-Trichlorophenol		545	547	429		400	
2,4,6-Trichlorophenol		545	547	499		447	
2,4-Dichlorophenol		545	547	301		285	
2,4-Dimethylphenol		545	547	323		307	
2,4-Dinitrophenol		545	547	ND		ND	
2,4-Dinitrotoluene		545	547	275		189	
2,6-Dinitrotoluene		545	547	280		201	
2-Chloronaphthalene		545	547	284		264	
2-Chlorophenol		545	547	394		365	
2-Methylnaphthalene		545	547	274		268	
2-Methylphenol		545	547	402		367	
2-Nitroaniline		545	547	433		357	
2-Nitrophenol		545	547	182		152	
3 & 4 Methylphenol		545	547	4940	E	3830	E
3,3'-Dichlorobenzidine		545	547	51.4	J	59.8	J
3-Nitroaniline		545	547	23.6	J	98.5	J
4,6-Dinitro-2-methylphenol		545	547	50.9	J	51.6	J
4-Bromophenyl phenyl ether		545	547	408		387	
4-Chloro-3-methylphenol		545	547	341		313	
4-Chloroaniline		545	547	59.9	J	61.0	J
4-Chlorophenyl phenyl ether		545	547	381		354	
4-Nitroaniline		545	547	37.7	J	206	J
4-Nitrophenol		545	547	384		329	
Acenaphthene		545	547	405		376	
Acenaphthylene		545	547	321		298	
Acetophenone		545	547	544		506	
Aniline		545	547	148		152	
Anthracene		545	547	347		310	
Atrazine		545	547	366		327	
Azobenzene		545	547	349		167	
Benzaldehyde		545	547	1090		1140	E

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67334

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Units: ug/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/21/2010 2145		Date Analyzed:	12/21/2010 2217	
Date Prepared:	12/17/2010 1139		Date Prepared:	12/17/2010 1139	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzo[a]anthracene		545	547	402		319	
Benzo[a]pyrene		545	547	514		386	
Benzo[b]fluoranthene		545	547	415		301	
Benzo[g,h,i]perylene		545	547	391		285	
Benzo[k]fluoranthene		545	547	417		321	
Benzoic acid		545	547	396		252	J
Benzophenone		545	547	392		348	
Benzyl alcohol		545	547	501		471	
Bis(2-chloroethoxy)methane		545	547	291		276	
Bis(2-chloroethyl)ether		545	547	409		388	
Bis(2-ethylhexyl) phthalate		545	547	3550	E	2160	E
Butyl benzyl phthalate		545	547	381		307	
Caprolactam		545	547	68.0		60.7	
Carbazole		545	547	358		305	
Chrysene		545	547	434		304	
Dibenz(a,h)anthracene		545	547	402		292	
Dibenzofuran		545	547	340		305	
Diethyl phthalate		545	547	421		370	
Dimethyl phthalate		545	547	432		394	
Di-n-butyl phthalate		545	547	341		331	
Di-n-octyl phthalate		545	547	399		351	
Fluoranthene		545	547	465		374	
Fluorene		545	547	388		353	
Hexachlorobenzene		545	547	403		393	
Hexachlorobutadiene		545	547	281		289	
Hexachlorocyclopentadiene		545	547	ND		ND	
Hexachloroethane		545	547	208		148	
Indeno[1,2,3-cd]pyrene		545	547	394		300	
Isophorone		545	547	232		224	
Naphthalene		545	547	266		266	
Nitrobenzene		545	547	231		215	
N-Nitrosodi-n-propylamine		545	547	484		443	
N-Nitrosodiphenylamine	280	545	547	779		804	
Pentachlorophenol		545	547	436		379	
Phenanthrene		545	547	448		399	
Phenol		545	547	2220	E	1960	E
Diphenyl oxide		545	547	434		474	
Pyrene		545	547	546		394	
N-Nitrosodimethylamine		545	547	ND		ND	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67507

Method: MAVPH
Preparation: 5035

Lab Sample ID: MB 360-67507/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1700
Date Prepared: 12/21/2010 0832

Analysis Batch: 360-67516
Prep Batch: 360-67507
Units: mg/Kg

Instrument ID: Inst. G
Lab File ID: G23894.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL	RL
C5-C8 Aliphatics (unadjusted)	ND		2.4	2.4
C5-C8 Aliphatics (adjusted)	ND		2.4	2.4
C9-C10 Aromatics	ND		2.4	2.4
C9-C12 Aliphatics (unadjusted)	ND		2.4	2.4
C9-C12 Aliphatics (adjusted)	ND		2.4	2.4
Total VPH	ND		2.4	2.4

Surrogate	% Rec	Acceptance Limits
2,5-Dibromotoluene (fid)	88	70 - 130
2,5-Dibromotoluene (pid)	94	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67507

Method: MAVPH
Preparation: 5035

LCS Lab Sample ID: LCS 360-67507/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1520
Date Prepared: 12/21/2010 0832

Analysis Batch: 360-67516
Prep Batch: 360-67507
Units: mg/Kg

Instrument ID: Inst. G
Lab File ID: G23891.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-67507/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1553
Date Prepared: 12/21/2010 0832

Analysis Batch: 360-67516
Prep Batch: 360-67507
Units: mg/Kg

Instrument ID: Inst. G
Lab File ID: G23892.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C5-C8 Aliphatics (unadjusted)	94	94	70 - 130	0	25		
C9-C10 Aromatics	105	104	70 - 130	1	25		
C9-C12 Aliphatics (unadjusted)	90	93	70 - 130	3	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,5-Dibromotoluene (fid)	91	91	70 - 130
2,5-Dibromotoluene (pid)	91	90	70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67507

Method: MAVPH
Preparation: 5035

LCS Lab Sample ID: LCS 360-67507/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1520
Date Prepared: 12/21/2010 0832

Units: mg/Kg

LCSD Lab Sample ID: LCSD 360-67507/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1553
Date Prepared: 12/21/2010 0832

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C5-C8 Aliphatics (unadjusted)	28.6	28.6	26.8	26.9
C9-C10 Aromatics	4.76	4.76	4.99	4.95
C9-C12 Aliphatics (unadjusted)	38.1	38.1	34.4	35.4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67507

Method: MAVPH
Preparation: 5035

MS Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 2158
Date Prepared: 12/16/2010 0832

Analysis Batch: 360-67516
Prep Batch: 360-67507

Instrument ID: Inst. G
Lab File ID: G23903.D
Initial Weight/Volume: 12.75 g
Final Weight/Volume: 10 g
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 2231
Date Prepared: 12/16/2010 0832

Analysis Batch: 360-67516
Prep Batch: 360-67507

Instrument ID: Inst. G
Lab File ID: G23904.D
Initial Weight/Volume: 10.15 g
Final Weight/Volume: 10 g
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C5-C8 Aliphatics (unadjusted)	96	94	70 - 130	21	50		
C9-C10 Aromatics	119	115	70 - 130	19	50		
C9-C12 Aliphatics (unadjusted)	94	92	70 - 130	21	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,5-Dibromotoluene (fid)	89	88	70 - 130
2,5-Dibromotoluene (pid)	91	88	70 - 130

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67507

Method: MAVPH
Preparation: 5035

MS Lab Sample ID:	360-31465-13	Units: mg/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/21/2010 2158		Date Analyzed:	12/21/2010 2231	
Date Prepared:	12/16/2010 0832		Date Prepared:	12/16/2010 0832	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C5-C8 Aliphatics (unadjusted)	ND	37.2	46.7	35.7	44.1
C9-C10 Aromatics	ND	6.20	7.79	7.40	8.97
C9-C12 Aliphatics (unadjusted)	ND	49.6	62.3	46.8	57.6

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-66997

Method: MA-EPH
Preparation: 3546

Lab Sample ID: MB 360-66997/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/10/2010 1507
Date Prepared: 12/10/2010 1234

Analysis Batch: 360-67006
Prep Batch: 360-66997
Units: mg/Kg

Instrument ID: INST R
Lab File ID: R34638.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL	RL
C11-C22 Aromatics (unadjusted)	ND		3.3	3.3
C11-C22 Aromatics (Adjusted)	ND		3.3	3.3
C19-C36 Aliphatics	ND		3.3	3.3
C9-C18 Aliphatics	ND		3.3	3.3
Total EPH	ND		3.3	3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	78	40 - 140
2-Fluorobiphenyl	94	40 - 140
2-Bromonaphthalene	93	40 - 140
1-Chlorooctadecane	82	40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-66997

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-66997/2-A	Analysis Batch:	360-67006	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-66997	Lab File ID:	R34640.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/10/2010 1541			Final Weight/Volume:	2.0 mL
Date Prepared:	12/10/2010 1234			Injection Volume:	1 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-66997/3-A	Analysis Batch:	360-67006	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-66997	Lab File ID:	R34642.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/10/2010 1615			Final Weight/Volume:	2.0 mL
Date Prepared:	12/10/2010 1234			Injection Volume:	1 uL
				Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C11-C22 Aromatics (unadjusted)	87	85	40 - 140	3	25		
C19-C36 Aliphatics	89	88	40 - 140	0	25		
C9-C18 Aliphatics	65	67	40 - 140	3	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	84	77	40 - 140
2-Fluorobiphenyl	87	82	40 - 140
2-Bromonaphthalene	85	82	40 - 140
1-Chlorooctadecane	73	77	40 - 140

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-66997

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-66997/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-66997/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/10/2010 1541			Date Analyzed:	12/10/2010 1615
Date Prepared:	12/10/2010 1234			Date Prepared:	12/10/2010 1234

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C11-C22 Aromatics (unadjusted)	56.7	56.7	49.5	48.1
C19-C36 Aliphatics	26.7	26.7	23.6	23.5
C9-C18 Aliphatics	20.0	20.0	13.0	13.4

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67139

Method: MA-EPH
Preparation: 3546

Lab Sample ID: MB 360-67139/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2010 1422
Date Prepared: 12/14/2010 1557

Analysis Batch: 360-67201
Prep Batch: 360-67139
Units: mg/Kg

Instrument ID: INST R
Lab File ID: R34704.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL	RL
C11-C22 Aromatics (unadjusted)	ND		3.3	3.3
C11-C22 Aromatics (Adjusted)	ND		3.3	3.3
C19-C36 Aliphatics	ND		3.3	3.3
C9-C18 Aliphatics	ND		3.3	3.3
Total EPH	ND		3.3	3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	86	40 - 140
2-Fluorobiphenyl	94	40 - 140
2-Bromonaphthalene	94	40 - 140
1-Chlorooctadecane	89	40 - 140

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-67139

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67139/2-A	Analysis Batch:	360-67201	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-67139	Lab File ID:	R34706.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/15/2010 1456			Final Weight/Volume:	2.0 mL
Date Prepared:	12/14/2010 1557			Injection Volume:	1 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-67139/3-A	Analysis Batch:	360-67201	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-67139	Lab File ID:	R34708.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	12/15/2010 1530			Final Weight/Volume:	2.0 mL
Date Prepared:	12/14/2010 1557			Injection Volume:	1 uL
				Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C11-C22 Aromatics (unadjusted)	93	79	40 - 140	15	25		
C19-C36 Aliphatics	89	85	40 - 140	5	25		
C9-C18 Aliphatics	66	62	40 - 140	6	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	90	76	40 - 140
2-Fluorobiphenyl	96	77	40 - 140
2-Bromonaphthalene	96	77	40 - 140
1-Chlorooctadecane	85	82	40 - 140

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67139

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-67139/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-67139/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/15/2010 1456			Date Analyzed:	12/15/2010 1530
Date Prepared:	12/14/2010 1557			Date Prepared:	12/14/2010 1557

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C11-C22 Aromatics (unadjusted)	56.7	56.7	52.4	45.0
C19-C36 Aliphatics	26.7	26.7	23.8	22.7
C9-C18 Aliphatics	20.0	20.0	13.2	12.5

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67139

Method: MA-EPH
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67211	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-67139	Lab File ID:	R34752.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	12/16/2010 0400			Final Weight/Volume:	2.0 mL
Date Prepared:	12/14/2010 1557			Injection Volume:	1 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67211	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-67139	Lab File ID:	R34754.D
Dilution:	1.0			Initial Weight/Volume:	30.77 g
Date Analyzed:	12/16/2010 0434			Final Weight/Volume:	2.0 mL
Date Prepared:	12/14/2010 1557			Injection Volume:	1 uL
				Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C11-C22 Aromatics (unadjusted)	56	64	40 - 140	9	50		
C19-C36 Aliphatics	57	54	40 - 140	3	50		
C9-C18 Aliphatics	64	56	40 - 140	15	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	62	70	40 - 140
2-Fluorobiphenyl	82	84	40 - 140
2-Bromonaphthalene	81	84	40 - 140
1-Chlorooctadecane	77	62	40 - 140

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67139

Method: MA-EPH
Preparation: 3546

MS Lab Sample ID:	360-31465-13	Units: mg/Kg		MSD Lab Sample ID:	360-31465-13
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/16/2010 0400			Date Analyzed:	12/16/2010 0434
Date Prepared:	12/14/2010 1557			Date Prepared:	12/14/2010 1557

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C11-C22 Aromatics (unadjusted)	17	93.6	91.7	70.0	76.4
C19-C36 Aliphatics	29	44.1	43.2	54.3	52.6
C9-C18 Aliphatics	ND	33.1	32.4	21.1	18.1

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 640-75807

Method: 8315A
Preparation: 8315_S_Prep

Lab Sample ID: MB 640-75807/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/16/2010 0835
Date Prepared: 12/15/2010 0740

Analysis Batch: 640-75971
Prep Batch: 640-75807
Units: ug/Kg

Instrument ID: LCM
Lab File ID: 1L16M3.d
Initial Weight/Volume: 20.0 g
Final Weight/Volume: 4 mL
Injection Volume: 10 uL

Analyte	Result	Qual	MDL	RL
Formaldehyde	ND		78	100
Acetaldehyde	ND		29	200

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-75807

Method: 8315A
Preparation: 8315_S_Prep

LCS Lab Sample ID: LCS 640-75807/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/16/2010 0847
Date Prepared: 12/15/2010 0740

Analysis Batch: 640-75971
Prep Batch: 640-75807
Units: ug/Kg

Instrument ID: LCM
Lab File ID: 1L16M4.d
Initial Weight/Volume: 20.0 g
Final Weight/Volume: 4 mL
Injection Volume: 10 uL

LCSD Lab Sample ID: LCSD 640-75807/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/16/2010 0859
Date Prepared: 12/15/2010 0740

Analysis Batch: 640-75971
Prep Batch: 640-75807
Units: ug/Kg

Instrument ID: LCM
Lab File ID: 1L16M5.d
Initial Weight/Volume: 20.0 g
Final Weight/Volume: 4 mL
Injection Volume: 10 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Formaldehyde	93	99	71 - 122	6	30		
Acetaldehyde	92	95	61 - 131	3	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-75807

Method: 8315A
Preparation: 8315_S_Prep

LCS Lab Sample ID:	LCS 640-75807/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 640-75807/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/16/2010 0847			Date Analyzed:	12/16/2010 0859
Date Prepared:	12/15/2010 0740			Date Prepared:	12/15/2010 0740

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Formaldehyde	750	750	698	742
Acetaldehyde	750	750	689	712

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-75807

Method: 8315A
Preparation: 8315_S_Prep

MS Lab Sample ID:	360-31465-13	Analysis Batch:	640-75971	Instrument ID:	LCM
Client Matrix:	Solid	Prep Batch:	640-75807	Lab File ID:	1L16M14.d
Dilution:	1.0			Initial Weight/Volume:	20.7 g
Date Analyzed:	12/16/2010 1045			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	640-75971	Instrument ID:	LCM
Client Matrix:	Solid	Prep Batch:	640-75807	Lab File ID:	1L16M15.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	12/16/2010 1057			Final Weight/Volume:	4 mL
Date Prepared:	12/15/2010 0740			Injection Volume:	10 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Formaldehyde	36	49	31 - 131	12	30		
Acetaldehyde	25	29	30 - 130	13	30	F	F

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-75807

Method: 8315A
Preparation: 8315_S_Prep

MS Lab Sample ID:	360-31465-13	Units: ug/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/16/2010 1045		Date Analyzed:	12/16/2010 1057	
Date Prepared:	12/15/2010 0740		Date Prepared:	12/15/2010 0740	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Formaldehyde	980		1200	1240	1410		1600	
Acetaldehyde	76	J	1200	1240	379	F	432	F

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-75851

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-75851/2-A	Analysis Batch:	640-76132	Instrument ID:	LCJ
Client Matrix:	Solid	Prep Batch:	640-75851	Lab File ID:	1L20J16.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.05 g
Date Analyzed:	12/20/2010 2141			Final Weight/Volume:	4 mL
Date Prepared:	12/14/2010 1120			Injection Volume:	20 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 640-75851/3-A	Analysis Batch:	640-76132	Instrument ID:	LCJ
Client Matrix:	Solid	Prep Batch:	640-75851	Lab File ID:	1L20J17.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.05 g
Date Analyzed:	12/20/2010 2154			Final Weight/Volume:	4 mL
Date Prepared:	12/14/2010 1120			Injection Volume:	20 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phthalic Acid/Phthalic anhydride	78	79	60 - 140	1	50		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-75851

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-75851/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 640-75851/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/20/2010 2141			Date Analyzed:	12/20/2010 2154
Date Prepared:	12/14/2010 1120			Date Prepared:	12/14/2010 1120

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phthalic Acid/Phthalic anhydride	397	397	310	314

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-75851

Method: LC65
Preparation: LC65

MS Lab Sample ID:	360-31465-13	Analysis Batch:	640-76132	Instrument ID:	LCJ
Client Matrix:	Solid	Prep Batch:	640-75851	Lab File ID:	1L20J24.d
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Date Analyzed:	12/20/2010 2324			Final Weight/Volume:	4 mL
Date Prepared:	12/14/2010 1120			Injection Volume:	20 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	640-76132	Instrument ID:	LCJ
Client Matrix:	Solid	Prep Batch:	640-75851	Lab File ID:	1L20J25.d
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Date Analyzed:	12/20/2010 2337			Final Weight/Volume:	4 mL
Date Prepared:	12/14/2010 1120			Injection Volume:	20 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phthalic Acid/Phthalic anhydride	85	85	60 - 140	3	50		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-75851

Method: LC65
Preparation: LC65

MS Lab Sample ID:	360-31465-13	Units: ug/Kg		MSD Lab Sample ID:	360-31465-13
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/20/2010 2324			Date Analyzed:	12/20/2010 2337
Date Prepared:	12/14/2010 1120			Date Prepared:	12/14/2010 1120

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phthalic Acid/Phthalic anhydride	ND	664	644	564	547

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67039

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-67039/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2010 1538
Date Prepared: 12/13/2010 0846

Analysis Batch: 360-67097
Prep Batch: 360-67039
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: 121310f.csv
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	ND		1.1	2.5
Antimony	ND		0.14	0.50
Arsenic	ND		0.18	1.0
Barium	ND		0.25	0.50
Beryllium	ND		0.0062	0.20
Cadmium	ND		0.0080	0.20
Calcium	10.9	J	3.5	20
Chromium	ND		0.25	0.50
Cobalt	ND		0.062	0.50
Copper	ND		0.13	1.0
Iron	1.74	J	0.94	5.0
Lead	ND		0.056	0.50
Magnesium	3.21	J	1.6	10
Manganese	ND		0.095	1.0
Nickel	ND		0.089	1.0
Potassium	ND		40	200
Selenium	ND		0.19	0.50
Silver	ND		0.057	0.50
Sodium	ND		16	100
Thallium	ND		0.17	1.0
Vanadium	ND		0.065	1.0
Zinc	ND		0.32	2.5
Tin	1.17	J	0.32	5.0

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

LCS-Certified Reference Material/
LCSD - Standard Reference Material Recovery Report - Batch:

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-67039/2-A	Analysis Batch:	360-67097	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-67039	Lab File ID:	121310f.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	12/13/2010 1541			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

LCSD Lab Sample ID:	LCDSRM	Analysis Batch:	360-67097	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-67039	Lab File ID:	121310f.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.99 g
Date Analyzed:	12/13/2010 1545			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	57	55	21.1 - 110	2	30		
Antimony	29	29	10.0 - 110	2	30		
Arsenic	74	73	55.4 - 110	1	30		
Barium	77	76	64.6 - 110	1	30		
Beryllium	66	67	53.3 - 110	1	30		
Cadmium	64	63	50.4 - 110	1	30		
Calcium	82	81	59.6 - 110	1	30		
Chromium	67	67	50.1 - 110	1	30		
Cobalt	75	74	58.1 - 110	0	30		
Copper	69	69	52.0 - 111	1	30		
Iron	86	83	22.6 - 146	3	30		
Lead	70	70	60.8 - 110	1	30		
Magnesium	70	70	55.4 - 110	0	30		
Manganese	67	67	55.0 - 110	2	30		
Nickel	64	64	51.1 - 110	1	30		
Potassium	72	70	40.6 - 110	2	30		
Selenium	62	62	43.8 - 110	1	30		
Silver	81	81	52.5 - 110	0	30		
Sodium	78	77	51.5 - 110	0	30		
Thallium	69	69	52.2 - 110	2	30		
Vanadium	65	65	43.5 - 110	0	30		
Zinc	66	65	53.2 - 110	1	30		
Tin	62	62	38.5 - 110	2	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67039

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-67039/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-67039/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/13/2010 1541			Date Analyzed:	12/13/2010 1545
Date Prepared:	12/13/2010 0846			Date Prepared:	12/13/2010 0846

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	14900	15100	8430	8230
Antimony	216	218	61.8	63.1
Arsenic	155	157	114	115
Barium	616	622	474	471
Beryllium	73.2	73.9	48.6	49.3
Cadmium	248	251	159	158
Calcium	18800	19000	15300	15500
Chromium	181	183	122	123
Cobalt	65.1	65.8	48.7	48.7
Copper	131	132	90.7	91.5
Iron	13300	13400	11400	11100
Lead	334	337	235	237
Magnesium	5160	5210	3630	3630
Manganese	433	437	289	294
Nickel	399	403	257	259
Potassium	2860	2890	2070	2030
Selenium	161	163	99.2	100
Silver	61.0	61.6	49.5	49.7
Sodium	6810	6880	5290	5280
Thallium	107	108	73.5	74.9
Vanadium	110	111	72.0	71.7
Zinc	278	281	182	184
Tin	123	124	76.0	77.6

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Post Digestion Spike - Batch: 360-67039

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2010 1605
Date Prepared: 12/13/2010 0846

Analysis Batch: 360-67097
Prep Batch: 360-67039
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: 121310f.csv
Initial Weight/Volume: 1.83 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	11000		453	10900	NC	75 - 125	
Antimony	ND		90.7	81.2	90	75 - 125	
Arsenic	11		90.7	92.9	90	75 - 125	
Barium	45		90.7	126	89	75 - 125	
Beryllium	0.36		90.7	80.7	89	75 - 125	
Cadmium	0.31	J	90.7	78.2	86	75 - 125	
Calcium	4700		1810	6380	90	75 - 125	
Chromium	240		90.7	313	76	75 - 125	
Cobalt	5.3		90.7	85.0	88	75 - 125	
Copper	24		90.7	109	93	75 - 125	
Iron	16000		453	15700	NC	75 - 125	
Lead	35		90.7	110	83	75 - 125	
Magnesium	2700		1810	4210	84	75 - 125	
Manganese	280		90.7	341	71	75 - 125	W
Nickel	11		90.7	89.6	86	75 - 125	
Potassium	1000		1810	2820	99	75 - 125	
Selenium	ND		90.7	79.6	88	75 - 125	
Silver	4.1		90.7	87.1	91	75 - 125	
Sodium	100	J	1810	1810	94	75 - 125	
Thallium	ND		90.7	75.6	83	75 - 125	
Vanadium	20		90.7	102	90	75 - 125	
Zinc	65		90.7	137	80	75 - 125	
Tin	2.0	J	90.7	81.3	87	75 - 125	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67039

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67097	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-67039	Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.84 g
Date Analyzed:	12/13/2010 1556			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67097	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-67039	Lab File ID:	121310f.csv
Dilution:	1.0			Initial Weight/Volume:	1.84 g
Date Analyzed:	12/13/2010 1559			Final Weight/Volume:	100 mL
Date Prepared:	12/13/2010 0846				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	-69	-120	75 - 125	2	35	4	4
Antimony	45	51	75 - 125	14	35	F	F
Arsenic	91	92	75 - 125	1	35		
Barium	88	89	75 - 125	0	35		
Beryllium	89	90	75 - 125	1	35		
Cadmium	86	86	75 - 125	1	35		
Calcium	81	127	75 - 125	13	35		F
Chromium	91	115	75 - 125	7	35		
Cobalt	88	87	75 - 125	1	35		
Copper	92	91	75 - 125	1	35		
Iron	-427	-446	75 - 125	1	35	4	4
Lead	81	75	75 - 125	5	35		
Magnesium	51	47	75 - 125	2	35	F	F
Manganese	27	50	75 - 125	7	35	F	F
Nickel	86	86	75 - 125	1	35		
Potassium	99	98	75 - 125	1	35		
Selenium	85	84	75 - 125	1	35		
Silver	93	94	75 - 125	1	35		
Sodium	96	96	75 - 125	1	35		
Thallium	82	82	75 - 125	0	35		
Vanadium	88	88	75 - 125	0	35		
Zinc	74	70	75 - 125	2	35	F	F
Tin	83	84	75 - 125	1	35		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67039

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	360-31465-13	Units: mg/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/13/2010 1556		Date Analyzed:	12/13/2010 1559	
Date Prepared:	12/13/2010 0846		Date Prepared:	12/13/2010 0846	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	11000		451	451	10500	4	10300	4
Antimony	ND		90.2	90.2	40.2	F	46.2	F
Arsenic	11		90.2	90.2	93.2		94.0	
Barium	45		90.2	90.2	124		125	
Beryllium	0.36		90.2	90.2	80.3		81.4	
Cadmium	0.31	J	90.2	90.2	78.2		77.6	
Calcium	4700		1800	1800	6190		7030	F
Chromium	240		90.2	90.2	326		348	
Cobalt	5.3		90.2	90.2	85.0		84.0	
Copper	24		90.2	90.2	108		106	
Iron	16000		451	451	14200	4	14100	4
Lead	35		90.2	90.2	108		103	
Magnesium	2700		1800	1800	3610	F	3540	F
Manganese	280		90.2	90.2	301	F	323	F
Nickel	11		90.2	90.2	89.0		88.4	
Potassium	1000		1800	1800	2800		2780	
Selenium	ND		90.2	90.2	76.4		75.4	
Silver	4.1		90.2	90.2	88.4		88.9	
Sodium	100	J	1800	1800	1840		1830	
Thallium	ND		90.2	90.2	74.2		74.1	
Vanadium	20		90.2	90.2	100		99.6	
Zinc	65		90.2	90.2	131	F	128	F
Tin	2.0	J	90.2	90.2	76.7		77.5	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Serial Dilution - Batch: 360-67039

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 12/13/2010 1602
Date Prepared: 12/13/2010 0846

Analysis Batch: 360-67097
Prep Batch: 360-67039
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: 121310f.csv
Initial Weight/Volume: 1.83 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	11000		11100	2.9	10	
Antimony	ND		1.34	NC	10	J
Arsenic	11		11.3	NC	10	
Barium	45		49.2	9.6	10	
Beryllium	0.36		0.391	NC	10	J
Cadmium	0.31	J	0.326	NC	10	J
Calcium	4700		4790	1.2	10	
Chromium	240		262	7.2	10	
Cobalt	5.3		5.56	NC	10	
Copper	24		25.0	2.3	10	
Iron	16000		16800	4.5	10	
Lead	35		38.5	10	10	
Magnesium	2700		2940	9.7	10	
Manganese	280		309	11	10	V
Nickel	11		12.3	9.4	10	
Potassium	1000		676	NC	10	J
Selenium	ND		ND	NC	10	
Silver	4.1		4.33	NC	10	J
Sodium	100	J	ND	NC	10	
Thallium	ND		1.98	NC	10	J
Vanadium	20		21.6	6.0	10	
Zinc	65		71.3	10	10	
Tin	2.0	J	ND	NC	10	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67091

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 360-67091/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2010 1220
Date Prepared: 12/14/2010 0850

Analysis Batch: 360-67132
Prep Batch: 360-67091
Units: mg/Kg

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.034	0.10

LCS-Certified Reference Material/
LCSD - Standard Reference Material Recovery Report - Batch:

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCSSRM 360-67091/2-A
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/14/2010 1221
Date Prepared: 12/14/2010 0850

Analysis Batch: 360-67132
Prep Batch: 360-67091
Units: mg/Kg

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.11 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCDSRM
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/14/2010 1223
Date Prepared: 12/14/2010 0850

Analysis Batch: 360-67132
Prep Batch: 360-67091
Units: mg/Kg

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.12 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	96	93	42.3 - 122	13	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67091

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-67091/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-67091/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Date Analyzed:	12/14/2010 1221			Date Analyzed:	12/14/2010 1223
Date Prepared:	12/14/2010 0850			Date Prepared:	12/14/2010 0850

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	21.3	19.5	20.5	18.1

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67092

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 360-67092/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2010 1313
Date Prepared: 12/14/2010 0901

Analysis Batch: 360-67132
Prep Batch: 360-67092
Units: mg/Kg

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.034	0.10

LCS-Certified Reference Material/
LCSD - Standard Reference Material Recovery Report - Batch:

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCSSRM 360-67092/2-A
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/14/2010 1315
Date Prepared: 12/14/2010 0901

Analysis Batch: 360-67132
Prep Batch: 360-67092
Units: mg/Kg

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.10 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCDSRM
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/14/2010 1316
Date Prepared: 12/14/2010 0901

Analysis Batch: 360-67132
Prep Batch: 360-67092
Units: mg/Kg

Instrument ID: Hg Analyzer
Lab File ID: 121410.PRN
Initial Weight/Volume: 0.11 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	67	88	42.3 - 122	18	30		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-67092

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-67092/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-67092/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Date Analyzed:	12/14/2010 1315			Date Analyzed:	12/14/2010 1316
Date Prepared:	12/14/2010 0901			Date Prepared:	12/14/2010 0901

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	23.4	21.3	15.6	18.8

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67092

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67132	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-67092	Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.32 g
Date Analyzed:	12/14/2010 1320			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67132	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-67092	Lab File ID:	121410.PRN
Dilution:	1.0			Initial Weight/Volume:	0.31 g
Date Analyzed:	12/14/2010 1326			Final Weight/Volume:	50 mL
Date Prepared:	12/14/2010 0901				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	92	94	75 - 125	6	35		

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67092

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	360-31465-13	Units: mg/Kg	MSD Lab Sample ID:	360-31465-13
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	12/14/2010 1320		Date Analyzed:	12/14/2010 1326
Date Prepared:	12/14/2010 0901		Date Prepared:	12/14/2010 0901

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.045	J	1.30	1.34	1.23	1.31

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67626

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 360-67495/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/22/2010 2143
Date Prepared: N/A
Date Leached: 12/21/2010 1620

Analysis Batch: 360-67626
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Sulfate-Soluble	ND		40	40
Chloride-Soluble	ND		20	20

Lab Control Sample - Batch: 360-67626

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 360-67495/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/22/2010 2158
Date Prepared: N/A
Date Leached: 12/21/2010 1620

Analysis Batch: 360-67626
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate-Soluble	800	822	103	85 - 115	
Chloride-Soluble	400	412	103	85 - 115	

Matrix Spike - Batch: 360-67626

Method: 300.0
Preparation: N/A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/23/2010 0145
Date Prepared: N/A
Date Leached: 12/21/2010 1620

Analysis Batch: 360-67626
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate-Soluble	700	321	1080	120	75 - 125	
Chloride-Soluble	38.0	161	215	110	75 - 125	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67629

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 360-67495/1-A	Analysis Batch:	360-67629	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.0 mL
Date Analyzed:	12/22/2010 2143			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				
Date Leached:	12/21/2010 1620				

Analyte	Result	Qual	RL	RL
Nitrate as N-Soluble	ND		5.0	5.0
Nitrite as N-Soluble	ND		1.0	1.0

Lab Control Sample - Batch: 360-67629

Method: 300.0
Preparation: N/A

Lab Sample ID:	LCS 360-67495/2-A	Analysis Batch:	360-67629	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.0 mL
Date Analyzed:	12/22/2010 2158			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				
Date Leached:	12/21/2010 1620				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N-Soluble	40.0	41.3	103	85 - 115	
Nitrite as N-Soluble	40.0	41.0	102	85 - 115	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67629

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	360-31465-13	Analysis Batch:	360-67629	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	12/23/2010 0145			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				
Date Leached:	12/21/2010 1620				

MSD Lab Sample ID:	360-31465-13	Analysis Batch:	360-67629	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	12/23/2010 0200			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				
Date Leached:	12/21/2010 1620				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N-Soluble	108	108	75 - 125	0	20		
Nitrite as N-Soluble	104	104	75 - 125	0	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67629

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	360-31465-13	Units: mg/Kg		MSD Lab Sample ID:	360-31465-13
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	12/23/2010 0145			Date Analyzed:	12/23/2010 0200
Date Prepared:	N/A			Date Prepared:	N/A
Date Leached:	12/21/2010 1620			Date Leached:	12/21/2010 1620

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate as N-Soluble	ND	16.1	16.1	17.3	17.3
Nitrite as N-Soluble	ND	16.1	16.1	16.7	16.8

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID:	MB 460-59082/1-A ^10	Analysis Batch:	460-59435	Instrument ID:	IC
Client Matrix:	Solid	Prep Batch:	460-59082	Lab File ID:	c181202.CHW
Dilution:	10	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	12/18/2010 1202			Final Weight/Volume:	100 mL
Date Prepared:	12/17/2010 1100				

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	ND		1.4	2.0

Lab Control Sample Soluble - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSS 460-59082/2-A ^25	Analysis Batch:	460-59435	Instrument ID:	IC
Client Matrix:	Solid	Prep Batch:	460-59082	Lab File ID:	c181217.CHW
Dilution:	25	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	12/18/2010 1217			Final Weight/Volume:	100 mL
Date Prepared:	12/17/2010 1100				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	20.3	19.5	96	85 - 115	

Lab Control Sample Insoluble - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-59082/3-A ^500	Analysis Batch:	460-59435	Instrument ID:	IC
Client Matrix:	Solid	Prep Batch:	460-59082	Lab File ID:	c181224.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	12/18/2010 1224			Final Weight/Volume:	100 mL
Date Prepared:	12/17/2010 1100				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	750	106	80 - 120	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Post Digestion Spike - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 40
Date Analyzed: 12/18/2010 1800
Date Prepared: 12/17/2010 1100

Analysis Batch: 460-59435
Prep Batch: 460-59082
Units: mg/Kg

Instrument ID: IC
Lab File ID: c181800.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	ND	66.4	66.9	101	85 - 115	

Matrix Spike Soluble - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/20/2010 1653
Date Prepared: 12/17/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59082
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201653.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	ND	66.4	ND			

Matrix Spike Insoluble - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 50
Date Analyzed: 12/20/2010 1722
Date Prepared: 12/17/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59082
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201722.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	ND	1180	81.3			

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Duplicate - Batch: 460-59082

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/18/2010 1301
Date Prepared: 12/17/2010 1100

Analysis Batch: 460-59435
Prep Batch: 460-59082
Units: mg/Kg

Instrument ID: IC
Lab File ID: c181301.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	ND	ND	NC	20	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-59331/1-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/20/2010 1737
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201737.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	ND		1.4	2.0

Lab Control Sample Soluble - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSS 460-59331/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 12/20/2010 1751
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201751.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	20.3	19.5	96	85 - 115	

Lab Control Sample Insoluble - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-59331/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 12/20/2010 1759
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201759.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	742	105	80 - 120	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike Soluble - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/20/2010 1904
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201904.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	ND	66.4	6.91	10	75 - 125	F

Matrix Spike Insoluble - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 50
Date Analyzed: 12/20/2010 1912
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201912.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	ND	1180	ND	0.9	75 - 125	F

Post Digestion Spike - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 40
Date Analyzed: 12/20/2010 2339
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c202339.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	ND	66.4	69.0	104	85 - 115	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Duplicate - Batch: 460-59331

Method: 7199
Preparation: 3060A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 10
Date Analyzed: 12/20/2010 1850
Date Prepared: 12/20/2010 1100

Analysis Batch: 460-59439
Prep Batch: 460-59331
Units: mg/Kg

Instrument ID: IC
Lab File ID: c201850.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	ND	ND	NC	20	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 460-59560

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 460-59560/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1605
Date Prepared: N/A

Analysis Batch: 460-59560
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	NONE	NONE
pH	6.200			

Lab Control Sample - Batch: 460-59560

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 460-59560/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1606
Date Prepared: N/A

Analysis Batch: 460-59560
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.92	6.920	100	95 - 105	

Duplicate - Batch: 460-59560

Method: 9045C
Preparation: N/A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1608
Date Prepared: N/A

Analysis Batch: 460-59560
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.66	7.630	0.4	10	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67325

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: MB 360-67325/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1500
Date Prepared: 12/17/2010 1020

Analysis Batch: 360-67341
Prep Batch: 360-67325
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Ammonia	ND		5.0	5.0

Lab Control Sample - Batch: 360-67325

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: LCS 360-67325/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1501
Date Prepared: 12/17/2010 1020

Analysis Batch: 360-67341
Prep Batch: 360-67325
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	500	470	94	85 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67325

Method: L107-06-1B
Preparation: Distill/Ammonia

MS Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1503
Date Prepared: 12/17/2010 1020

Analysis Batch: 360-67341
Prep Batch: 360-67325

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2.42 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/17/2010 1504
Date Prepared: 12/17/2010 1020

Analysis Batch: 360-67341
Prep Batch: 360-67325

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2.07 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	100	121	75 - 125	21	20		F

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-67325

Method: L107-06-1B
Preparation: Distill/Ammonia

MS Lab Sample ID:	360-31465-13	Units: mg/Kg	MSD Lab Sample ID:	360-31465-13	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	12/17/2010 1503		Date Analyzed:	12/17/2010 1504	
Date Prepared:	12/17/2010 1020		Date Prepared:	12/17/2010 1020	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Ammonia	250	343	401	597	739	F

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67464

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: MB 360-67464/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/16/2010 1358
Date Prepared: N/A

Analysis Batch: 360-67464
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Result	Qual	RL	RL
Total Organic Carbon	ND		1000	1000

Lab Control Sample - Batch: 360-67464

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: LCS 360-67464/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/16/2010 1443
Date Prepared: N/A

Analysis Batch: 360-67464
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	8600	7980	93	80 - 120	

Duplicate - Batch: 360-67464

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: 360-31465-4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2010 1326
Date Prepared: N/A

Analysis Batch: 360-67464
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	51000	45000	13	20.0	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Method Blank - Batch: 360-67468

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: MB 360-67468/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/20/2010 1035
Date Prepared: N/A

Analysis Batch: 360-67468
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Result	Qual	RL	RL
Total Organic Carbon	ND		1000	1000

Lab Control Sample - Batch: 360-67468

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: LCS 360-67468/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/20/2010 1100
Date Prepared: N/A

Analysis Batch: 360-67468
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	8600	8270	96	80 - 120	

Duplicate - Batch: 360-67468

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/20/2010 1607
Date Prepared: N/A

Analysis Batch: 360-67468
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	30000	27800	8	20.0	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Control Sample - Batch: 460-59591

Method: SM 2580B
Preparation: N/A

Lab Sample ID: LCS 460-59591/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1240
Date Prepared: N/A

Analysis Batch: 460-59591
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	679	678	100	98 - 102	

Duplicate - Batch: 460-59591

Method: SM 2580B
Preparation: N/A

Lab Sample ID: 360-31465-13
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/21/2010 1246
Date Prepared: N/A
Date Leached: 12/21/2010 1100

Analysis Batch: 460-59591
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	100	97.0	4	10	

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
GC Semi VOA		
	X	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
HPLC/IC		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 360-67366					
LCS 360-67366/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-67366/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-67366/3-A	Method Blank	T	Solid	5035	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	5035	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	5035	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	5035	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	5035	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	5035	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	5035	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	5035	
360-31465-8	OC-TBK-064	T	Solid	5035	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	5035	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	5035	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	5035	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	5035	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	5035	
360-31465-13MS	Matrix Spike	T	Solid	5035	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	5035	
360-31465-14	OC-TBK-066	T	Solid	5035	
Analysis Batch:360-67368					
LCS 360-67366/1-A	Lab Control Sample	T	Solid	8260C	360-67366
LCSD 360-67366/2-A	Lab Control Sample Duplicate	T	Solid	8260C	360-67366
MB 360-67366/3-A	Method Blank	T	Solid	8260C	360-67366
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	8260C	360-67366
360-31465-2	OC-SD-LB-1-XXX	T	Solid	8260C	360-67366
360-31465-3	OC-SD-LB-2-XXX	T	Solid	8260C	360-67366
360-31465-4	OC-SD-LB-3-XXX	T	Solid	8260C	360-67366
360-31465-5	OC-SD-SD-1-XXX	T	Solid	8260C	360-67366
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	8260C	360-67366
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	8260C	360-67366
360-31465-8	OC-TBK-064	T	Solid	8260C	360-67366
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	8260C	360-67366
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	8260C	360-67366
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	8260C	360-67366
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	8260C	360-67366
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	8260C	360-67366
360-31465-13MS	Matrix Spike	T	Solid	8260C	360-67366
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	8260C	360-67366
360-31465-14	OC-TBK-066	T	Solid	8260C	360-67366

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-67334					
LCS 360-67334/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-67334/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-67334/1-A	Method Blank	T	Solid	3546	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	3546	
360-31465-1DL	OC-SD-ISCO-2-XXX	T	Solid	3546	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	3546	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	3546	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	3546	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	3546	
360-31465-5DL	OC-SD-SD-1-XXX	T	Solid	3546	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	3546	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	3546	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	3546	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	3546	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	3546	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	3546	
360-31465-12DL	OC-SD-SD-SD2-DUP	T	Solid	3546	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	3546	
360-31465-13DL	OC-SD-SD-SD2-XXX	T	Solid	3546	
360-31465-13MS	Matrix Spike	T	Solid	3546	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:360-67459					
LCS 360-67334/2-A	Lab Control Sample	T	Solid	8270D	360-67334
LCSD 360-67334/3-A	Lab Control Sample Duplicate	T	Solid	8270D	360-67334
MB 360-67334/1-A	Method Blank	T	Solid	8270D	360-67334
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	8270D	360-67334
360-31465-5	OC-SD-SD-1-XXX	T	Solid	8270D	360-67334
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	8270D	360-67334
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	8270D	360-67334
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	8270D	360-67334
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	8270D	360-67334
Analysis Batch:360-67510					
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	8270D	360-67334
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	8270D	360-67334
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	8270D	360-67334
360-31465-13MS	Matrix Spike	T	Solid	8270D	360-67334
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	8270D	360-67334

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:360-67515					
360-31465-2	OC-SD-LB-1-XXX	T	Solid	8270D	360-67334
360-31465-3	OC-SD-LB-2-XXX	T	Solid	8270D	360-67334
360-31465-4	OC-SD-LB-3-XXX	T	Solid	8270D	360-67334
360-31465-5DL	OC-SD-SD-1-XXX	T	Solid	8270D	360-67334
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	8270D	360-67334
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	8270D	360-67334
Analysis Batch:360-67612					
360-31465-1DL	OC-SD-ISCO-2-XXX	T	Solid	8270D	360-67334
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	8270D	360-67334
360-31465-12DL	OC-SD-SD-SD2-DUP	T	Solid	8270D	360-67334
360-31465-13DL	OC-SD-SD-SD2-XXX	T	Solid	8270D	360-67334
Analysis Batch:360-68210					
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	8270D	360-67334
360-31465-5	OC-SD-SD-1-XXX	T	Solid	8270D	360-67334
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	8270D	360-67334
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	8270D	360-67334

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 360-67507					
LCS 360-67507/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-67507/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-67507/3-A	Method Blank	T	Solid	5035	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	5035	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	5035	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	5035	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	5035	
360-31465-8	OC-TBK-064	T	Solid	5035	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	5035	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	5035	
360-31465-13MS	Matrix Spike	T	Solid	5035	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	5035	
360-31465-14	OC-TBK-066	T	Solid	5035	
Analysis Batch:360-67516					
LCS 360-67507/1-A	Lab Control Sample	T	Solid	MAVPH	360-67507
LCSD 360-67507/2-A	Lab Control Sample Duplicate	T	Solid	MAVPH	360-67507
MB 360-67507/3-A	Method Blank	T	Solid	MAVPH	360-67507
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	MAVPH	360-67507
360-31465-5	OC-SD-SD-1-XXX	T	Solid	MAVPH	360-67507
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	MAVPH	360-67507
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	MAVPH	360-67507
360-31465-8	OC-TBK-064	T	Solid	MAVPH	360-67507
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	MAVPH	360-67507
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	MAVPH	360-67507
360-31465-13MS	Matrix Spike	T	Solid	MAVPH	360-67507
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	MAVPH	360-67507
360-31465-14	OC-TBK-066	T	Solid	MAVPH	360-67507

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-66997					
LCS 360-66997/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-66997/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-66997/1-A	Method Blank	T	Solid	3546	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	3546	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	3546	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	3546	
Analysis Batch:360-67006					
LCS 360-66997/2-A	Lab Control Sample	T	Solid	MA-EPH	360-66997
LCSD 360-66997/3-A	Lab Control Sample Duplicate	T	Solid	MA-EPH	360-66997
MB 360-66997/1-A	Method Blank	T	Solid	MA-EPH	360-66997
Analysis Batch:360-67050					
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	MA-EPH	360-66997
Analysis Batch:360-67110					
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	MA-EPH	360-66997
Prep Batch: 360-67127					
360-31465-5	OC-SD-SD-1-XXX	T	Solid	3546	
Prep Batch: 360-67139					
LCS 360-67139/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-67139/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-67139/1-A	Method Blank	T	Solid	3546	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	3546	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	3546	
360-31465-13MS	Matrix Spike	T	Solid	3546	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:360-67201					
LCS 360-67139/2-A	Lab Control Sample	T	Solid	MA-EPH	360-67139
LCSD 360-67139/3-A	Lab Control Sample Duplicate	T	Solid	MA-EPH	360-67139
MB 360-67139/1-A	Method Blank	T	Solid	MA-EPH	360-67139
Analysis Batch:360-67211					
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	MA-EPH	360-67139
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	MA-EPH	360-67139
360-31465-13MS	Matrix Spike	T	Solid	MA-EPH	360-67139
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	MA-EPH	360-67139
Analysis Batch:360-67453					
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	MA-EPH	360-66997
360-31465-5	OC-SD-SD-1-XXX	T	Solid	MA-EPH	360-67127

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-67039					
LCSSRM 360-67039/2-A	LCS-Certified Reference Material	T	Solid	3050B	
LCDSRM 360-67039/3-A	LCSD - Standard Reference Material	T	Solid	3050B	
MB 360-67039/1-A	Method Blank	T	Solid	3050B	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	3050B	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	3050B	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	3050B	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	3050B	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	3050B	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	3050B	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	3050B	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	3050B	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	3050B	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	3050B	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	3050B	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	3050B	
360-31465-13MS	Matrix Spike	T	Solid	3050B	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	3050B	
Prep Batch: 360-67091					
LCSSRM 360-67091/2-A	LCS-Certified Reference Material	T	Solid	7471A	
LCDSRM 360-67091/3-A	LCSD - Standard Reference Material	T	Solid	7471A	
MB 360-67091/1-A	Method Blank	T	Solid	7471A	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	7471A	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	7471A	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	7471A	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	7471A	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	7471A	
Prep Batch: 360-67092					
LCSSRM 360-67092/2-A	LCS-Certified Reference Material	T	Solid	7471A	
LCDSRM 360-67092/3-A	LCSD - Standard Reference Material	T	Solid	7471A	
MB 360-67092/1-A	Method Blank	T	Solid	7471A	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	7471A	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	7471A	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	7471A	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	7471A	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	7471A	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	7471A	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	7471A	
360-31465-13MS	Matrix Spike	T	Solid	7471A	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	7471A	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:360-67097					
LCSSRM 360-67039/2-A	LCS-Certified Reference Material	T	Solid	6010B	360-67039
LCDSRM 360-67039/3-A	LCSD - Standard Reference Material	T	Solid	6010B	360-67039
MB 360-67039/1-A	Method Blank	T	Solid	6010B	360-67039
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	6010B	360-67039
360-31465-2	OC-SD-LB-1-XXX	T	Solid	6010B	360-67039
360-31465-3	OC-SD-LB-2-XXX	T	Solid	6010B	360-67039
360-31465-4	OC-SD-LB-3-XXX	T	Solid	6010B	360-67039
360-31465-5	OC-SD-SD-1-XXX	T	Solid	6010B	360-67039
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	6010B	360-67039
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	6010B	360-67039
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	6010B	360-67039
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	6010B	360-67039
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	6010B	360-67039
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	6010B	360-67039
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	6010B	360-67039
360-31465-13MS	Matrix Spike	T	Solid	6010B	360-67039
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	6010B	360-67039
Analysis Batch:360-67132					
LCSSRM 360-67091/2-A	LCS-Certified Reference Material	T	Solid	7471A	360-67091
LCDSRM 360-67091/3-A	LCSD - Standard Reference Material	T	Solid	7471A	360-67091
MB 360-67091/1-A	Method Blank	T	Solid	7471A	360-67091
LCSSRM 360-67092/2-A	LCS-Certified Reference Material	T	Solid	7471A	360-67092
LCDSRM 360-67092/3-A	LCSD - Standard Reference Material	T	Solid	7471A	360-67092
MB 360-67092/1-A	Method Blank	T	Solid	7471A	360-67092
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	7471A	360-67091
360-31465-2	OC-SD-LB-1-XXX	T	Solid	7471A	360-67091
360-31465-3	OC-SD-LB-2-XXX	T	Solid	7471A	360-67091
360-31465-4	OC-SD-LB-3-XXX	T	Solid	7471A	360-67091
360-31465-5	OC-SD-SD-1-XXX	T	Solid	7471A	360-67091
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	7471A	360-67092
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	7471A	360-67092
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	7471A	360-67092
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	7471A	360-67092
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	7471A	360-67092
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	7471A	360-67092
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	7471A	360-67092
360-31465-13MS	Matrix Spike	T	Solid	7471A	360-67092
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	7471A	360-67092

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-59082					
LCSI 460-59082/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 460-59082/2-A ^25	Lab Control Sample Soluble	T	Solid	3060A	
MB 460-59082/1-A ^10	Method Blank	T	Solid	3060A	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	3060A	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	3060A	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	3060A	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	3060A	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	3060A	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	3060A	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	3060A	
360-31465-13DU	Duplicate	T	Solid	3060A	
360-31465-13	Matrix Spike Insoluble	T	Solid	3060A	
360-31465-13	Matrix Spike Soluble	T	Solid	3060A	
Prep Batch: 460-59331					
LCSI 460-59331/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 460-59331/2-A ^25	Lab Control Sample Soluble	T	Solid	3060A	
MB 460-59331/1-A ^10	Method Blank	T	Solid	3060A	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	3060A	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	3060A	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	3060A	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	3060A	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	3060A	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	3060A	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	3060A	
360-31465-13DU	Duplicate	T	Solid	3060A	
360-31465-13	Matrix Spike Insoluble	T	Solid	3060A	
360-31465-13	Matrix Spike Soluble	T	Solid	3060A	
Analysis Batch:460-59435					
LCSI 460-59082/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-59082
LCSS 460-59082/2-A ^25	Lab Control Sample Soluble	T	Solid	7199	460-59082
MB 460-59082/1-A ^10	Method Blank	T	Solid	7199	460-59082
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	7199	460-59082
360-31465-5	OC-SD-SD-1-XXX	T	Solid	7199	460-59082
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	7199	460-59082
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	7199	460-59082
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	7199	460-59082
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	7199	460-59082
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	7199	460-59082
360-31465-13DU	Duplicate	T	Solid	7199	460-59082

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-59439					
LCSI 460-59331/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-59331
LCSS 460-59331/2-A ^25	Lab Control Sample Soluble	T	Solid	7199	460-59331
MB 460-59331/1-A ^10	Method Blank	T	Solid	7199	460-59331
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	7199	460-59331
360-31465-5	OC-SD-SD-1-XXX	T	Solid	7199	460-59331
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	7199	460-59331
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	7199	460-59331
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	7199	460-59331
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	7199	460-59331
360-31465-13	Matrix Spike Insoluble	T	Solid	7199	460-59082
360-31465-13	Matrix Spike Soluble	T	Solid	7199	460-59082
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	7199	460-59331
360-31465-13DU	Duplicate	T	Solid	7199	460-59331
360-31465-13	Matrix Spike Insoluble	T	Solid	7199	460-59331
360-31465-13	Matrix Spike Soluble	T	Solid	7199	460-59331
Analysis Batch:460-59560					
LCS 460-59560/2	Lab Control Sample	T	Solid	9045C	
MB 460-59560/1	Method Blank	T	Solid	9045C	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	9045C	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	9045C	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	9045C	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	9045C	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	9045C	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	9045C	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	9045C	
360-31465-13DU	Duplicate	T	Solid	9045C	
Analysis Batch:460-59591					
LCS 460-59591/1	Lab Control Sample	T	Solid	SM 2580B	
360-31465-1	OC-SD-ISCO-2-XXX	S	Solid	SM 2580B	
360-31465-5	OC-SD-SD-1-XXX	S	Solid	SM 2580B	
360-31465-6	OC-SD-SD-SD3-XXX	S	Solid	SM 2580B	
360-31465-7	OC-SD-SDSW-E-XXX	S	Solid	SM 2580B	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	S	Solid	SM 2580B	
360-31465-12	OC-SD-SD-SD2-DUP	S	Solid	SM 2580B	
360-31465-13	OC-SD-SD-SD2-XXX	S	Solid	SM 2580B	
360-31465-13DU	Duplicate	S	Solid	SM 2580B	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-59594					
360-31465-1	OC-SD-ISCO-2-XXX	S	Solid	DI Leach	
360-31465-5	OC-SD-SD-1-XXX	S	Solid	DI Leach	
360-31465-6	OC-SD-SD-SD3-XXX	S	Solid	DI Leach	
360-31465-7	OC-SD-SDSW-E-XXX	S	Solid	DI Leach	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	S	Solid	DI Leach	
360-31465-12	OC-SD-SD-SD2-DUP	S	Solid	DI Leach	
360-31465-13	OC-SD-SD-SD2-XXX	S	Solid	DI Leach	
360-31465-13DU	Duplicate	S	Solid	DI Leach	
Analysis Batch:360-67208					
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	Moisture	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	Moisture	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	Moisture	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	Moisture	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	Moisture	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	Moisture	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	Moisture	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	Moisture	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	Moisture	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	Moisture	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	Moisture	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	Moisture	
360-31465-13MS	Matrix Spike	T	Solid	Moisture	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Prep Batch: 360-67325					
LCS 360-67325/2-A	Lab Control Sample	T	Solid	Distill/Ammonia	
MB 360-67325/1-A	Method Blank	T	Solid	Distill/Ammonia	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	Distill/Ammonia	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	Distill/Ammonia	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	Distill/Ammonia	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	Distill/Ammonia	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	Distill/Ammonia	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	Distill/Ammonia	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	Distill/Ammonia	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	Distill/Ammonia	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	Distill/Ammonia	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	Distill/Ammonia	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	Distill/Ammonia	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	Distill/Ammonia	
360-31465-13MS	Matrix Spike	T	Solid	Distill/Ammonia	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	Distill/Ammonia	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-67341					
LCS 360-67325/2-A	Lab Control Sample	T	Solid	L107-06-1B	360-67325
MB 360-67325/1-A	Method Blank	T	Solid	L107-06-1B	360-67325
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	L107-06-1B	360-67325
360-31465-2	OC-SD-LB-1-XXX	T	Solid	L107-06-1B	360-67325
360-31465-3	OC-SD-LB-2-XXX	T	Solid	L107-06-1B	360-67325
360-31465-4	OC-SD-LB-3-XXX	T	Solid	L107-06-1B	360-67325
360-31465-5	OC-SD-SD-1-XXX	T	Solid	L107-06-1B	360-67325
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	L107-06-1B	360-67325
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	L107-06-1B	360-67325
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	L107-06-1B	360-67325
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	L107-06-1B	360-67325
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	L107-06-1B	360-67325
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	L107-06-1B	360-67325
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	L107-06-1B	360-67325
360-31465-13MS	Matrix Spike	T	Solid	L107-06-1B	360-67325
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	L107-06-1B	360-67325
Analysis Batch:360-67464					
LCS 360-67464/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 360-67464/3	Method Blank	T	Solid	Lloyd Kahn	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	Lloyd Kahn	
360-31465-2	OC-SD-LB-1-XXX	T	Solid	Lloyd Kahn	
360-31465-3	OC-SD-LB-2-XXX	T	Solid	Lloyd Kahn	
360-31465-4	OC-SD-LB-3-XXX	T	Solid	Lloyd Kahn	
360-31465-4DU	Duplicate	T	Solid	Lloyd Kahn	
Analysis Batch:360-67468					
LCS 360-67468/6	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 360-67468/5	Method Blank	T	Solid	Lloyd Kahn	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	Lloyd Kahn	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	Lloyd Kahn	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	Lloyd Kahn	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	Lloyd Kahn	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	Lloyd Kahn	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	T	Solid	Lloyd Kahn	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	Lloyd Kahn	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	Lloyd Kahn	
360-31465-13DU	Duplicate	T	Solid	Lloyd Kahn	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-67495					
LCS 360-67495/2-A	Lab Control Sample	S	Solid	DI Leach	
MB 360-67495/1-A	Method Blank	S	Solid	DI Leach	
360-31465-1	OC-SD-ISCO-2-XXX	S	Solid	DI Leach	
360-31465-2	OC-SD-LB-1-XXX	S	Solid	DI Leach	
360-31465-3	OC-SD-LB-2-XXX	S	Solid	DI Leach	
360-31465-4	OC-SD-LB-3-XXX	S	Solid	DI Leach	
360-31465-5	OC-SD-SD-1-XXX	S	Solid	DI Leach	
360-31465-6	OC-SD-SD-SD3-XXX	S	Solid	DI Leach	
360-31465-7	OC-SD-SDSW-E-XXX	S	Solid	DI Leach	
360-31465-9	OC-SD-OPWD-1-XXX	S	Solid	DI Leach	
360-31465-10	OC-SD-OPWD-2-XXX	S	Solid	DI Leach	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	S	Solid	DI Leach	
360-31465-12	OC-SD-SD-SD2-DUP	S	Solid	DI Leach	
360-31465-13	OC-SD-SD-SD2-XXX	S	Solid	DI Leach	
360-31465-13MS	Matrix Spike	S	Solid	DI Leach	
360-31465-13MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
Analysis Batch:360-67626					
LCS 360-67495/2-A	Lab Control Sample	S	Solid	300.0	
MB 360-67495/1-A	Method Blank	S	Solid	300.0	
360-31465-1	OC-SD-ISCO-2-XXX	S	Solid	300.0	
360-31465-2	OC-SD-LB-1-XXX	S	Solid	300.0	
360-31465-3	OC-SD-LB-2-XXX	S	Solid	300.0	
360-31465-4	OC-SD-LB-3-XXX	S	Solid	300.0	
360-31465-5	OC-SD-SD-1-XXX	S	Solid	300.0	
360-31465-6	OC-SD-SD-SD3-XXX	S	Solid	300.0	
360-31465-7	OC-SD-SDSW-E-XXX	S	Solid	300.0	
360-31465-9	OC-SD-OPWD-1-XXX	S	Solid	300.0	
360-31465-10	OC-SD-OPWD-2-XXX	S	Solid	300.0	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	S	Solid	300.0	
360-31465-12	OC-SD-SD-SD2-DUP	S	Solid	300.0	
360-31465-13	OC-SD-SD-SD2-XXX	S	Solid	300.0	
360-31465-13MS	Matrix Spike	S	Solid	300.0	
360-31465-13MSD	Matrix Spike Duplicate	S	Solid	300.0	

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-67629					
LCS 360-67495/2-A	Lab Control Sample	S	Solid	300.0	
MB 360-67495/1-A	Method Blank	S	Solid	300.0	
360-31465-1	OC-SD-ISCO-2-XXX	S	Solid	300.0	
360-31465-2	OC-SD-LB-1-XXX	S	Solid	300.0	
360-31465-3	OC-SD-LB-2-XXX	S	Solid	300.0	
360-31465-4	OC-SD-LB-3-XXX	S	Solid	300.0	
360-31465-5	OC-SD-SD-1-XXX	S	Solid	300.0	
360-31465-6	OC-SD-SD-SD3-XXX	S	Solid	300.0	
360-31465-7	OC-SD-SDSW-E-XXX	S	Solid	300.0	
360-31465-9	OC-SD-OPWD-1-XXX	S	Solid	300.0	
360-31465-10	OC-SD-OPWD-2-XXX	S	Solid	300.0	
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	S	Solid	300.0	
360-31465-12	OC-SD-SD-SD2-DUP	S	Solid	300.0	
360-31465-13	OC-SD-SD-SD2-XXX	S	Solid	300.0	
360-31465-13MS	Matrix Spike	S	Solid	300.0	
360-31465-13MSD	Matrix Spike Duplicate	S	Solid	300.0	

Report Basis
S = Soluble
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 640-75807					
LCS 640-75807/2-A	Lab Control Sample	T	Solid	8315_S_Prep	
LCSD 640-75807/3-A	Lab Control Sample Duplicate	T	Solid	8315_S_Prep	
MB 640-75807/1-A	Method Blank	T	Solid	8315_S_Prep	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	8315_S_Prep	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	8315_S_Prep	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	8315_S_Prep	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	8315_S_Prep	
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	8315_S_Prep	
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	8315_S_Prep	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	8315_S_Prep	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	8315_S_Prep	
360-31465-13MS	Matrix Spike	T	Solid	8315_S_Prep	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	8315_S_Prep	
Prep Batch: 640-75851					
LCS 640-75851/2-A	Lab Control Sample	T	Solid	LC65	
LCSD 640-75851/3-A	Lab Control Sample Duplicate	T	Solid	LC65	
MB 640-75851/1-A	Method Blank	T	Solid	LC65	
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	LC65	
360-31465-5	OC-SD-SD-1-XXX	T	Solid	LC65	
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	LC65	
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	LC65	
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	LC65	
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	LC65	
360-31465-13MS	Matrix Spike	T	Solid	LC65	
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	LC65	
Analysis Batch:640-75971					
LCS 640-75807/2-A	Lab Control Sample	T	Solid	8315A	640-75807
LCSD 640-75807/3-A	Lab Control Sample Duplicate	T	Solid	8315A	640-75807
MB 640-75807/1-A	Method Blank	T	Solid	8315A	640-75807
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	8315A	640-75807
360-31465-5	OC-SD-SD-1-XXX	T	Solid	8315A	640-75807
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	8315A	640-75807
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	8315A	640-75807
360-31465-9	OC-SD-OPWD-1-XXX	T	Solid	8315A	640-75807
360-31465-10	OC-SD-OPWD-2-XXX	T	Solid	8315A	640-75807
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	8315A	640-75807
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	8315A	640-75807
360-31465-13MS	Matrix Spike	T	Solid	8315A	640-75807
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	8315A	640-75807

Client: Olin Corporation

Job Number: 360-31465-1
Sdg Number: 360-31465-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:640-76132					
LCS 640-75851/2-A	Lab Control Sample	T	Solid	LC65	640-75851
LCSD 640-75851/3-A	Lab Control Sample Duplicate	T	Solid	LC65	640-75851
MB 640-75851/1-A	Method Blank	T	Solid	LC65	640-75851
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	LC65	640-75851
360-31465-5	OC-SD-SD-1-XXX	T	Solid	LC65	640-75851
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	LC65	640-75851
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	LC65	640-75851
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	LC65	640-75851
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	LC65	640-75851
360-31465-13MS	Matrix Spike	T	Solid	LC65	640-75851
360-31465-13MSD	Matrix Spike Duplicate	T	Solid	LC65	640-75851
Analysis Batch:640-76198					
MB 640-75851/1-A	Method Blank	T	Solid	LC65	640-75851
360-31465-1	OC-SD-ISCO-2-XXX	T	Solid	LC65	640-75851
360-31465-5	OC-SD-SD-1-XXX	T	Solid	LC65	640-75851
360-31465-6	OC-SD-SD-SD3-XXX	T	Solid	LC65	640-75851
360-31465-7	OC-SD-SDSW-E-XXX	T	Solid	LC65	640-75851
360-31465-12	OC-SD-SD-SD2-DUP	T	Solid	LC65	640-75851
360-31465-13	OC-SD-SD-SD2-XXX	T	Solid	LC65	640-75851

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-1 **Client ID:** OC-SD-ISCO-2-XXX

Sample Date/Time: 12/09/2010 12:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-1-D		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-1-D		360-67368	360-67366	12/17/2010 18:00	1	TAL WFD	CMR
P:3546	360-31465-A-1-C		360-67459	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-1-C		360-67459	360-67334	12/21/2010 03:14	5	TAL WFD	CT
P:3546	360-31465-A-1-C	DL	360-67612	360-67334	12/17/2010 11:39	1000	TAL WFD	YRK
A:8270D	360-31465-A-1-C	DL	360-67612	360-67334	12/23/2010 18:47	1000	TAL WFD	CT
P:3546	360-31465-A-1-C		360-68210	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-1-C		360-68210	360-67334	01/06/2011 11:51	1	TAL WFD	BW
P:5035	360-31465-C-1-B		360-67516	360-67507	12/10/2010 19:01	1	TAL WFD	CMR
A:MAVPH	360-31465-C-1-B		360-67516	360-67507	12/21/2010 17:33	1	TAL WFD	CMR
P:3546	360-31465-A-1-A		360-67453	360-66997	12/10/2010 12:34	20	TAL WFD	BRB
A:MA-EPH	360-31465-A-1-A		360-67453	360-66997	12/21/2010 11:12	20	TAL WFD	SS
P:8315_S_Prep	360-31465-M-1-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-M-1-A		640-75971	640-75807	12/16/2010 09:11	1	TAL TAL	DNS
P:LC65	360-31465-M-1-C		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-M-1-C		640-76132	640-75851	12/20/2010 22:07	1	TAL TAL	RD
P:LC65	360-31465-M-1-C		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-M-1-C		640-76198	640-75851	12/21/2010 15:05	1	TAL TAL	RD
P:3050B	360-31465-D-1-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-D-1-A		360-67097	360-67039	12/13/2010 16:08	1	TAL WFD	TJS
P:7471A	360-31465-A-1-B		360-67132	360-67091	12/14/2010 08:59	1	TAL WFD	EMN
A:7471A	360-31465-A-1-B		360-67132	360-67091	12/14/2010 13:04	1	TAL WFD	EMN
A:300.0	360-31465-O-1-B		360-67626		12/22/2010 22:13	1	TAL WFD	RWE
A:300.0	360-31465-O-1-B		360-67629		12/22/2010 22:13	1	TAL WFD	RWE
P:3060A	360-31465-E-1-A ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-1-A ^10		460-59435	460-59082	12/18/2010 13:52	10	TAL EDI	RK
P:3060A	360-31465-E-1-B ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-1-B ^10		460-59439	460-59331	12/20/2010 19:26	10	TAL EDI	RK
A:9045C	360-31465-E-1		460-59560		12/21/2010 16:09	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-O-1-A		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-O-1-A		360-67341	360-67325	12/17/2010 15:06	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-D-1		360-67464		12/18/2010 09:25	1	TAL WFD	RWE
A:Moisture	360-31465-A-1		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-1-E		460-59591		12/21/2010 12:48	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-2 **Client ID:** OC-SD-LB-1-XXX

Sample Date/Time: 12/09/2010 10:30 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-2-C		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-2-C		360-67368	360-67366	12/17/2010 18:23	1	TAL WFD	CMR
P:3546	360-31465-A-2-B		360-67515	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-2-B		360-67515	360-67334	12/22/2010 10:55	5	TAL WFD	CT
P:3050B	360-31465-D-2-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-D-2-A		360-67097	360-67039	12/13/2010 16:11	1	TAL WFD	TJS
P:7471A	360-31465-A-2-A		360-67132	360-67091	12/14/2010 08:59	1	TAL WFD	EMN
A:7471A	360-31465-A-2-A		360-67132	360-67091	12/14/2010 13:06	1	TAL WFD	EMN
A:300.0	360-31465-D-2-C		360-67626		12/22/2010 22:28	1	TAL WFD	RWE
A:300.0	360-31465-D-2-C		360-67629		12/22/2010 22:28	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-D-2-B		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-D-2-B		360-67341	360-67325	12/17/2010 15:07	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-D-2		360-67464		12/18/2010 10:19	1	TAL WFD	RWE
A:Moisture	360-31465-D-2		360-67208		12/15/2010 14:46	1	TAL WFD	EMN

Lab ID: 360-31465-3 **Client ID:** OC-SD-LB-2-XXX

Sample Date/Time: 12/09/2010 09:35 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-3-C		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-3-C		360-67368	360-67366	12/17/2010 18:47	1	TAL WFD	CMR
P:3546	360-31465-A-3-B		360-67515	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-3-B		360-67515	360-67334	12/22/2010 12:06	5	TAL WFD	CT
P:3050B	360-31465-D-3-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-D-3-A		360-67097	360-67039	12/13/2010 16:14	1	TAL WFD	TJS
P:7471A	360-31465-A-3-A		360-67132	360-67091	12/14/2010 08:59	1	TAL WFD	EMN
A:7471A	360-31465-A-3-A		360-67132	360-67091	12/14/2010 13:08	1	TAL WFD	EMN
A:300.0	360-31465-D-3-C		360-67626		12/22/2010 22:44	1	TAL WFD	RWE
A:300.0	360-31465-D-3-C		360-67629		12/22/2010 22:44	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-D-3-B		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-D-3-B		360-67341	360-67325	12/17/2010 15:08	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-D-3		360-67464		12/18/2010 11:44	1	TAL WFD	RWE
A:Moisture	360-31465-D-3		360-67208		12/15/2010 14:46	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-4 **Client ID:** OC-SD-LB-3-XXX

Sample Date/Time: 12/09/2010 08:45 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-4-C		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-4-C		360-67368	360-67366	12/18/2010 00:25	1	TAL WFD	CMR
P:3546	360-31465-A-4-B		360-67515	360-67334	12/17/2010 11:39	50	TAL WFD	YRK
A:8270D	360-31465-A-4-B		360-67515	360-67334	12/22/2010 12:42	50	TAL WFD	CT
P:3050B	360-31465-D-4-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-D-4-A		360-67097	360-67039	12/13/2010 16:17	1	TAL WFD	TJS
P:7471A	360-31465-A-4-A		360-67132	360-67091	12/14/2010 08:59	1	TAL WFD	EMN
A:7471A	360-31465-A-4-A		360-67132	360-67091	12/14/2010 13:10	1	TAL WFD	EMN
A:300.0	360-31465-D-4-C		360-67626		12/22/2010 22:59	1	TAL WFD	RWE
A:300.0	360-31465-D-4-C		360-67629		12/22/2010 22:59	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-D-4-B		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-D-4-B		360-67341	360-67325	12/17/2010 15:09	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-D-4		360-67464		12/18/2010 12:13	1	TAL WFD	RWE
A:Moisture	360-31465-D-4		360-67208		12/15/2010 14:46	1	TAL WFD	EMN

Lab ID: 360-31465-4 DU **Client ID:** OC-SD-LB-3-XXX

Sample Date/Time: 12/09/2010 08:45 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Lloyd Kahn	360-31465-D-4 DU		360-67464		12/18/2010 13:26	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-5 **Client ID:** OC-SD-SD-1-XXX

Sample Date/Time: 12/09/2010 13:15 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-5-E		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-5-E		360-67368	360-67366	12/17/2010 19:11	1	TAL WFD	CMR
P:3546	360-31465-A-5-D		360-67459	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-5-D		360-67459	360-67334	12/21/2010 05:39	5	TAL WFD	CT
P:3546	360-31465-A-5-D	DL	360-67515	360-67334	12/17/2010 11:39	250	TAL WFD	YRK
A:8270D	360-31465-A-5-D	DL	360-67515	360-67334	12/22/2010 13:53	250	TAL WFD	CT
P:3546	360-31465-A-5-D		360-68210	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-5-D		360-68210	360-67334	01/06/2011 12:26	1	TAL WFD	BW
P:5035	360-31465-C-5-B		360-67516	360-67507	12/10/2010 19:01	1	TAL WFD	CMR
A:MAVPH	360-31465-C-5-B		360-67516	360-67507	12/21/2010 18:06	1	TAL WFD	CMR
P:3546	360-31465-A-5-C		360-67453	360-67127	12/14/2010 12:38	2	TAL WFD	BRB
A:MA-EPH	360-31465-A-5-C		360-67453	360-67127	12/21/2010 10:37	2	TAL WFD	SS
P:8315_S_Prep	360-31465-E-5-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-E-5-A		640-75971	640-75807	12/16/2010 09:22	1	TAL TAL	DNS
P:LC65	360-31465-E-5-C		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-E-5-C		640-76132	640-75851	12/20/2010 22:20	1	TAL TAL	RD
P:LC65	360-31465-E-5-C		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-E-5-C		640-76198	640-75851	12/21/2010 15:14	1	TAL TAL	RD
P:3050B	360-31465-D-5-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-D-5-A		360-67097	360-67039	12/13/2010 16:20	1	TAL WFD	TJS
P:7471A	360-31465-A-5-B		360-67132	360-67091	12/14/2010 08:59	1	TAL WFD	EMN
A:7471A	360-31465-A-5-B		360-67132	360-67091	12/14/2010 13:11	1	TAL WFD	EMN
A:300.0	360-31465-G-5-B		360-67626		12/22/2010 23:14	1	TAL WFD	RWE
A:300.0	360-31465-G-5-B		360-67629		12/22/2010 23:14	1	TAL WFD	RWE
P:3060A	360-31465-E-5-D ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-5-D ^10		460-59435	460-59082	12/18/2010 14:07	10	TAL EDI	RK
P:3060A	360-31465-E-5-E ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-5-E ^10		460-59439	460-59331	12/20/2010 20:03	10	TAL EDI	RK
A:9045C	360-31465-E-5		460-59560		12/21/2010 16:10	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-G-5-A		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-G-5-A		360-67341	360-67325	12/17/2010 15:11	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-D-5		360-67468		12/20/2010 11:28	1	TAL WFD	RWE
A:Moisture	360-31465-G-5		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-5-F		460-59591		12/21/2010 12:50	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-6 **Client ID:** OC-SD-SD-SD3-XXX

Sample Date/Time: 12/09/2010 15:45 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-6-D		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-6-D		360-67368	360-67366	12/17/2010 19:35	1	TAL WFD	CMR
P:3546	360-31465-A-6-C		360-67515	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-6-C		360-67515	360-67334	12/22/2010 14:29	5	TAL WFD	CT
P:5035	360-31465-C-6-B		360-67516	360-67507	12/10/2010 19:01	1	TAL WFD	CMR
A:MAVPH	360-31465-C-6-B		360-67516	360-67507	12/21/2010 18:39	1	TAL WFD	CMR
P:3546	360-31465-A-6-A		360-67110	360-66997	12/10/2010 12:34	1	TAL WFD	BRB
A:MA-EPH	360-31465-A-6-A		360-67110	360-66997	12/14/2010 13:30	1	TAL WFD	SS
P:8315_S_Prep	360-31465-E-6-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-E-6-A		640-75971	640-75807	12/16/2010 09:34	1	TAL TAL	DNS
P:LC65	360-31465-E-6-C		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-E-6-C		640-76132	640-75851	12/20/2010 22:33	1	TAL TAL	RD
P:LC65	360-31465-E-6-C		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-E-6-C		640-76198	640-75851	12/21/2010 15:23	1	TAL TAL	RD
P:3050B	360-31465-D-6-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-D-6-A		360-67097	360-67039	12/13/2010 17:02	1	TAL WFD	TJS
P:7471A	360-31465-A-6-B		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-6-B		360-67132	360-67092	12/14/2010 13:27	1	TAL WFD	EMN
A:300.0	360-31465-G-6-B		360-67626		12/22/2010 23:29	1	TAL WFD	RWE
A:300.0	360-31465-G-6-B		360-67629		12/22/2010 23:29	1	TAL WFD	RWE
P:3060A	360-31465-E-6-D ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-6-D ^10		460-59435	460-59082	12/18/2010 14:22	10	TAL EDI	RK
P:3060A	360-31465-E-6-E ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-6-E ^10		460-59439	460-59331	12/20/2010 20:17	10	TAL EDI	RK
A:9045C	360-31465-E-6		460-59560		12/21/2010 16:12	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-G-6-A		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-G-6-A		360-67341	360-67325	12/17/2010 15:12	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-G-6		360-67468		12/20/2010 11:56	1	TAL WFD	RWE
A:Moisture	360-31465-G-6		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-6-E		460-59591		12/21/2010 12:52	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-7 **Client ID:** OC-SD-SDSW-E-XXX

Sample Date/Time: 12/09/2010 14:40 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-7-D		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-7-D		360-67368	360-67366	12/17/2010 19:59	1	TAL WFD	CMR
P:3546	360-31465-A-7-C		360-67459	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-7-C		360-67459	360-67334	12/21/2010 06:52	5	TAL WFD	CT
P:5035	360-31465-C-7-B		360-67516	360-67507	12/10/2010 19:01	1	TAL WFD	CMR
A:MAVPH	360-31465-C-7-B		360-67516	360-67507	12/21/2010 19:12	1	TAL WFD	CMR
P:3546	360-31465-A-7-A		360-67050	360-66997	12/10/2010 12:34	1	TAL WFD	BRB
A:MA-EPH	360-31465-A-7-A		360-67050	360-66997	12/13/2010 16:47	1	TAL WFD	SS
P:8315_S_Prep	360-31465-F-7-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-F-7-A		640-75971	640-75807	12/16/2010 09:46	1	TAL TAL	DNS
P:LC65	360-31465-F-7-C		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-F-7-C		640-76132	640-75851	12/20/2010 22:45	1	TAL TAL	RD
P:LC65	360-31465-F-7-C		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-F-7-C		640-76198	640-75851	12/21/2010 15:32	1	TAL TAL	RD
P:3050B	360-31465-G-7-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-G-7-A		360-67097	360-67039	12/13/2010 17:05	1	TAL WFD	TJS
P:7471A	360-31465-A-7-B		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-7-B		360-67132	360-67092	12/14/2010 13:29	1	TAL WFD	EMN
A:300.0	360-31465-G-7-C		360-67626		12/22/2010 23:44	1	TAL WFD	RWE
A:300.0	360-31465-G-7-C		360-67629		12/22/2010 23:44	1	TAL WFD	RWE
P:3060A	360-31465-E-7-A ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-7-A ^10		460-59435	460-59082	12/18/2010 14:51	10	TAL EDI	RK
P:3060A	360-31465-E-7-B ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-7-B ^10		460-59439	460-59331	12/20/2010 20:31	10	TAL EDI	RK
A:9045C	360-31465-E-7		460-59560		12/21/2010 16:11	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-G-7-B		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-G-7-B		360-67341	360-67325	12/17/2010 15:13	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-G-7		360-67468		12/20/2010 12:31	1	TAL WFD	RWE
A:Moisture	360-31465-G-7		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-7-E		460-59591		12/21/2010 12:54	1	TAL EDI	MB

Lab ID: 360-31465-8 **Client ID:** OC-TBK-064

Sample Date/Time: 12/09/2010 08:45 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-8-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-8-A		360-67368	360-67366	12/17/2010 20:24	1	TAL WFD	CMR
P:5035	360-31465-C-8-B		360-67516	360-67507	12/10/2010 19:01	1	TAL WFD	CMR
A:MAVPH	360-31465-C-8-B		360-67516	360-67507	12/21/2010 19:45	1	TAL WFD	CMR

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-9 **Client ID: OC-SD-OPWD-1-XXX**

Sample Date/Time: 12/10/2010 13:15 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-D-9-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-D-9-A		360-67368	360-67366	12/17/2010 20:48	1	TAL WFD	CMR
P:3546	360-31465-A-9-D		360-67515	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-9-D		360-67515	360-67334	12/22/2010 15:41	1	TAL WFD	CT
P:8315_S_Prep	360-31465-J-9-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-J-9-A		640-75971	640-75807	12/16/2010 09:58	1	TAL TAL	DNS
P:3050B	360-31465-A-9-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-9-A		360-67097	360-67039	12/13/2010 17:08	1	TAL WFD	TJS
P:7471A	360-31465-A-9-B		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-9-B		360-67132	360-67092	12/14/2010 13:31	1	TAL WFD	EMN
A:300.0	360-31465-A-9-E		360-67626		12/22/2010 23:59	1	TAL WFD	RWE
A:300.0	360-31465-A-9-E		360-67629		12/22/2010 23:59	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-A-9-C		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-9-C		360-67341	360-67325	12/17/2010 15:14	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-A-9		360-67468		12/20/2010 12:57	1	TAL WFD	RWE
A:Moisture	360-31465-D-9		360-67208		12/15/2010 14:46	1	TAL WFD	EMN

Lab ID: 360-31465-10 **Client ID: OC-SD-OPWD-2-XXX**

Sample Date/Time: 12/10/2010 13:45 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-D-10-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-D-10-A		360-67368	360-67366	12/17/2010 21:12	1	TAL WFD	CMR
P:3546	360-31465-A-10-D		360-67612	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-10-D		360-67612	360-67334	12/23/2010 12:54	1	TAL WFD	CT
P:8315_S_Prep	360-31465-F-10-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-F-10-A		640-75971	640-75807	12/16/2010 10:10	1	TAL TAL	DNS
P:3050B	360-31465-A-10-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-10-A		360-67097	360-67039	12/13/2010 17:11	1	TAL WFD	TJS
P:7471A	360-31465-A-10-B		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-10-B		360-67132	360-67092	12/14/2010 13:33	1	TAL WFD	EMN
A:300.0	360-31465-A-10-E		360-67626		12/23/2010 00:14	1	TAL WFD	RWE
A:300.0	360-31465-A-10-E		360-67629		12/23/2010 00:14	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-A-10-C		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-10-C		360-67341	360-67325	12/17/2010 15:15	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-A-10		360-67468		12/20/2010 14:10	1	TAL WFD	RWE
A:Moisture	360-31465-A-10		360-67208		12/15/2010 14:46	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: **360-31465-11** **Client ID:** **OC-SD-OPWD-SD/SP/SW-S-XXX**

Sample Date/Time: 12/10/2010 12:30 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-B-11-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-B-11-A		360-67368	360-67366	12/17/2010 21:37	1	TAL WFD	CMR
P:3546	360-31465-A-11-D		360-67510	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-11-D		360-67510	360-67334	12/21/2010 20:09	1	TAL WFD	CT
P:3050B	360-31465-A-11-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-11-A		360-67097	360-67039	12/13/2010 17:14	1	TAL WFD	TJS
P:7471A	360-31465-A-11-B		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-11-B		360-67132	360-67092	12/14/2010 13:35	1	TAL WFD	EMN
A:300.0	360-31465-A-11-E		360-67626		12/23/2010 00:29	1	TAL WFD	RWE
A:300.0	360-31465-A-11-E		360-67629		12/23/2010 00:29	1	TAL WFD	RWE
P:3060A	360-31465-E-11-A ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-11-A ^10		460-59435	460-59082	12/18/2010 15:13	10	TAL EDI	RK
P:3060A	360-31465-E-11-B ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-11-B ^10		460-59439	460-59331	12/20/2010 20:39	10	TAL EDI	RK
A:9045C	360-31465-E-11		460-59560		12/21/2010 16:14	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-A-11-C		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-11-C		360-67341	360-67325	12/17/2010 15:16	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-A-11		360-67468		12/20/2010 14:43	1	TAL WFD	RWE
A:Moisture	360-31465-A-11		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-11-F		460-59591		12/21/2010 12:56	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-12 **Client ID:** OC-SD-SD-SD2-DUP

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-E-12-B		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-E-12-B		360-67368	360-67366	12/17/2010 22:02	1	TAL WFD	CMR
P:3546	360-31465-A-12-E		360-67510	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-12-E		360-67510	360-67334	12/21/2010 20:41	1	TAL WFD	CT
P:3546	360-31465-A-12-E	DL	360-67612	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-12-E	DL	360-67612	360-67334	12/23/2010 17:11	5	TAL WFD	CT
P:3546	360-31465-A-12-E		360-68210	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-12-E		360-68210	360-67334	01/06/2011 13:01	1	TAL WFD	BW
P:5035	360-31465-C-12-B		360-67516	360-67507	12/16/2010 08:32	1	TAL WFD	CMR
A:MAVPH	360-31465-C-12-B		360-67516	360-67507	12/21/2010 20:18	1	TAL WFD	CMR
P:3546	360-31465-A-12-C		360-67211	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	360-31465-A-12-C		360-67211	360-67139	12/16/2010 02:52	1	TAL WFD	SS
P:8315_S_Prep	360-31465-H-12-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-H-12-A		640-75971	640-75807	12/16/2010 10:21	1	TAL TAL	DNS
P:LC65	360-31465-H-12-C		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-H-12-C		640-76132	640-75851	12/20/2010 22:58	1	TAL TAL	RD
P:LC65	360-31465-H-12-C		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-H-12-C		640-76198	640-75851	12/21/2010 15:41	1	TAL TAL	RD
P:3050B	360-31465-A-12-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-12-A		360-67097	360-67039	12/13/2010 17:17	1	TAL WFD	TJS
P:7471A	360-31465-A-12-B		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-12-B		360-67132	360-67092	12/14/2010 13:37	1	TAL WFD	EMN
A:300.0	360-31465-A-12-F		360-67626		12/23/2010 01:15	1	TAL WFD	RWE
A:300.0	360-31465-A-12-F		360-67629		12/23/2010 01:15	1	TAL WFD	RWE
P:3060A	360-31465-E-12-A ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-12-A ^10		460-59435	460-59082	12/18/2010 15:20	10	TAL EDI	RK
P:3060A	360-31465-E-12-C ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-E-12-C ^10		460-59439	460-59331	12/20/2010 20:53	10	TAL EDI	RK
A:9045C	360-31465-H-12		460-59560		12/21/2010 16:13	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-A-12-D		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-12-D		360-67341	360-67325	12/17/2010 15:17	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-A-12		360-67468		12/20/2010 15:12	1	TAL WFD	RWE
A:Moisture	360-31465-A-12		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-12-G		460-59591		12/21/2010 12:57	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-13 **Client ID:** OC-SD-SD-SD2-XXX

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-E-13-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-E-13-A		360-67368	360-67366	12/17/2010 22:25	1	TAL WFD	CMR
P:3546	360-31465-A-13-M		360-67510	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-13-M		360-67510	360-67334	12/21/2010 21:13	1	TAL WFD	CT
P:3546	360-31465-A-13-M	DL	360-67612	360-67334	12/17/2010 11:39	5	TAL WFD	YRK
A:8270D	360-31465-A-13-M	DL	360-67612	360-67334	12/23/2010 17:43	5	TAL WFD	CT
P:3546	360-31465-A-13-M		360-68210	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-13-M		360-68210	360-67334	01/06/2011 13:36	1	TAL WFD	BW
P:5035	360-31465-C-13-E		360-67516	360-67507	12/16/2010 08:32	1	TAL WFD	CMR
A:MAVPH	360-31465-C-13-E		360-67516	360-67507	12/21/2010 20:51	1	TAL WFD	CMR
P:3546	360-31465-A-13-G		360-67211	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	360-31465-A-13-G		360-67211	360-67139	12/16/2010 03:26	1	TAL WFD	SS
P:8315_S_Prep	360-31465-G-13-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-G-13-A		640-75971	640-75807	12/16/2010 10:33	1	TAL TAL	DNS
P:LC65	360-31465-G-13-E		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-G-13-E		640-76132	640-75851	12/20/2010 23:11	1	TAL TAL	RD
P:LC65	360-31465-G-13-E		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-G-13-E		640-76198	640-75851	12/21/2010 15:50	1	TAL TAL	RD
P:3050B	360-31465-A-13-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-13-A		360-67097	360-67039	12/13/2010 15:53	1	TAL WFD	TJS
P:7471A	360-31465-A-13-D		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-13-D		360-67132	360-67092	12/14/2010 13:18	1	TAL WFD	EMN
A:300.0	360-31465-A-13-P		360-67626		12/23/2010 01:30	1	TAL WFD	RWE
A:300.0	360-31465-A-13-P		360-67629		12/23/2010 01:30	1	TAL WFD	RWE
P:3060A	360-31465-H-13-A ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-H-13-A ^10		460-59435	460-59082	12/18/2010 12:46	10	TAL EDI	RK
P:3060A	360-31465-H-13-E ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-H-13-E ^10		460-59439	460-59331	12/20/2010 18:35	10	TAL EDI	RK
A:9045C	360-31465-H-13		460-59560		12/21/2010 16:07	1	TAL EDI	MB
P:Distill/Ammonia	360-31465-A-13-J		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-13-J		360-67341	360-67325	12/17/2010 15:02	1	TAL WFD	RWE
A:Lloyd Kahn	360-31465-A-13		360-67468		12/20/2010 15:40	1	TAL WFD	RWE
A:Moisture	360-31465-A-13		360-67208		12/15/2010 14:46	1	TAL WFD	EMN
A:SM 2580B	360-31465-A-13-S		460-59591		12/21/2010 12:44	1	TAL EDI	MB

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-13 **Client ID:** OC-SD-SD-SD2-XXX

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-E-13-B MS		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-E-13-B MS		360-67368	360-67366	12/18/2010 00:49	1	TAL WFD	CMR
P:3546	360-31465-A-13-N MS		360-67510	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-13-N MS		360-67510	360-67334	12/21/2010 21:45	1	TAL WFD	CT
P:5035	360-31465-C-13-F MS		360-67516	360-67507	12/16/2010 08:32	1	TAL WFD	CMR
A:MAVPH	360-31465-C-13-F MS		360-67516	360-67507	12/21/2010 21:58	1	TAL WFD	CMR
P:3546	360-31465-A-13-H MS		360-67211	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	360-31465-A-13-H MS		360-67211	360-67139	12/16/2010 04:00	1	TAL WFD	SS
P:8315_S_Prep	360-31465-G-13-B MS		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-G-13-B MS		640-75971	640-75807	12/16/2010 10:45	1	TAL TAL	DNS
P:LC65	360-31465-G-13-F MS		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-G-13-F MS		640-76132	640-75851	12/20/2010 23:24	1	TAL TAL	RD
P:3050B	360-31465-A-13-B MS		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-13-B MS		360-67097	360-67039	12/13/2010 15:56	1	TAL WFD	TJS
P:7471A	360-31465-A-13-E MS		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-13-E MS		360-67132	360-67092	12/14/2010 13:20	1	TAL WFD	EMN
A:300.0	360-31465-A-13-Q MS		360-67626		12/23/2010 01:45	1	TAL WFD	RWE
A:300.0	360-31465-A-13-Q MS		360-67629		12/23/2010 01:45	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-A-13-K MS		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-13-K MS		360-67341	360-67325	12/17/2010 15:03	1	TAL WFD	RWE
A:Moisture	360-31465-A-13 MS		360-67208		12/15/2010 14:52	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-13 **Client ID:** OC-SD-SD-SD2-XXX

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-E-13-C MSD		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-E-13-C MSD		360-67368	360-67366	12/18/2010 01:13	1	TAL WFD	CMR
P:3546	360-31465-A-13-O MSD		360-67510	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	360-31465-A-13-O MSD		360-67510	360-67334	12/21/2010 22:17	1	TAL WFD	CT
P:5035	360-31465-D-13-B MSD		360-67516	360-67507	12/16/2010 08:32	1	TAL WFD	CMR
A:MAVPH	360-31465-D-13-B MSD		360-67516	360-67507	12/21/2010 22:31	1	TAL WFD	CMR
P:3546	360-31465-A-13-I MSD		360-67211	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	360-31465-A-13-I MSD		360-67211	360-67139	12/16/2010 04:34	1	TAL WFD	SS
P:8315_S_Prep	360-31465-C-13-A MSD		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	360-31465-C-13-A MSD		640-75971	640-75807	12/16/2010 10:57	1	TAL TAL	DNS
P:LC65	360-31465-G-13-G MSD		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	360-31465-G-13-G MSD		640-76132	640-75851	12/20/2010 23:37	1	TAL TAL	RD
P:3050B	360-31465-A-13-C MSD		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-13-C MSD		360-67097	360-67039	12/13/2010 15:59	1	TAL WFD	TJS
P:7471A	360-31465-A-13-F MSD		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	360-31465-A-13-F MSD		360-67132	360-67092	12/14/2010 13:26	1	TAL WFD	EMN
A:300.0	360-31465-A-13-R MSD		360-67626		12/23/2010 02:00	1	TAL WFD	RWE
A:300.0	360-31465-A-13-R MSD		360-67629		12/23/2010 02:00	1	TAL WFD	RWE
P:Distill/Ammonia	360-31465-A-13-L MSD		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	360-31465-A-13-L MSD		360-67341	360-67325	12/17/2010 15:04	1	TAL WFD	RWE
A:Moisture	360-31465-A-13 MSD		360-67208		12/15/2010 14:52	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: 360-31465-13 DU **Client ID: OC-SD-SD-SD2-XXX**

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	360-31465-H-13-B DU ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-H-13-B DU ^10		460-59435	460-59082	12/18/2010 13:01	10	TAL EDI	RK
P:3060A	360-31465-H-13-F DU ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-H-13-F DU ^10		460-59439	460-59331	12/20/2010 18:50	10	TAL EDI	RK
A:9045C	360-31465-H-13 DU		460-59560		12/21/2010 16:08	1	TAL EDI	MB
A:Lloyd Kahn	360-31465-A-13 DU		360-67468		12/20/2010 16:07	1	TAL WFD	RWE
A:SM 2580B	360-31465-A-13-T DU		460-59591		12/21/2010 12:46	1	TAL EDI	MB

Lab ID: 360-31465-13 SD **Client ID: OC-SD-SD-SD2-XXX**

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-31465-A-13-A SD		360-67097	360-67039	12/13/2010 08:46	5	TAL WFD	EMN
A:6010B	360-31465-A-13-A SD		360-67097	360-67039	12/13/2010 16:02	5	TAL WFD	TJS
P:3050B	360-31465-A-13-A PDS		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	360-31465-A-13-A PDS		360-67097	360-67039	12/13/2010 16:05	1	TAL WFD	TJS
P:3060A	360-31465-H-13-A PDS ^40		460-59435	460-59082	12/17/2010 11:00	40	TAL EDI	RK
A:7199	360-31465-H-13-A PDS ^40		460-59435	460-59082	12/18/2010 18:00	40	TAL EDI	RK
P:3060A	360-31465-H-13-E PDS ^40		460-59439	460-59331	12/20/2010 11:00	40	TAL EDI	RK
A:7199	360-31465-H-13-E PDS ^40		460-59439	460-59331	12/20/2010 23:39	40	TAL EDI	RK

Lab ID: 360-31465-14 **Client ID: OC-TBK-066**

Sample Date/Time: 12/10/2010 09:00 Received Date/Time: 12/10/2010 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-31465-A-14-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	360-31465-A-14-A		360-67368	360-67366	12/17/2010 22:49	1	TAL WFD	CMR
P:5035	360-31465-C-14-B		360-67516	360-67507	12/16/2010 08:32	1	TAL WFD	CMR
A:MAVPH	360-31465-C-14-B		360-67516	360-67507	12/21/2010 21:25	1	TAL WFD	CMR

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

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 360-67366/3-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	MB 360-67366/3-A		360-67368	360-67366	12/17/2010 17:36	1	TAL WFD	CMR
P:3546	MB 360-67334/1-A		360-67459	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	MB 360-67334/1-A		360-67459	360-67334	12/21/2010 01:26	1	TAL WFD	CT
P:5035	MB 360-67507/3-A		360-67516	360-67507	12/21/2010 08:32	1	TAL WFD	CMR
A:MAVPH	MB 360-67507/3-A		360-67516	360-67507	12/21/2010 17:00	1	TAL WFD	CMR
P:3546	MB 360-66997/1-A		360-67006	360-66997	12/10/2010 12:34	1	TAL WFD	BRB
A:MA-EPH	MB 360-66997/1-A		360-67006	360-66997	12/10/2010 15:07	1	TAL WFD	SS
P:3546	MB 360-67139/1-A		360-67201	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	MB 360-67139/1-A		360-67201	360-67139	12/15/2010 14:22	1	TAL WFD	SS
P:8315_S_Prep	MB 640-75807/1-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	MB 640-75807/1-A		640-75971	640-75807	12/16/2010 08:35	1	TAL TAL	DNS
P:LC65	MB 640-75851/1-A		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	MB 640-75851/1-A		640-76132	640-75851	12/20/2010 21:28	1	TAL TAL	RD
P:LC65	MB 640-75851/1-A		640-76198	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	MB 640-75851/1-A		640-76198	640-75851	12/21/2010 14:56	1	TAL TAL	RD
P:3050B	MB 360-67039/1-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	MB 360-67039/1-A		360-67097	360-67039	12/13/2010 15:38	1	TAL WFD	TJS
P:7471A	MB 360-67091/1-A		360-67132	360-67091	12/14/2010 08:50	1	TAL WFD	EMN
A:7471A	MB 360-67091/1-A		360-67132	360-67091	12/14/2010 12:20	1	TAL WFD	EMN
P:7471A	MB 360-67092/1-A		360-67132	360-67092	12/14/2010 09:01	1	TAL WFD	EMN
A:7471A	MB 360-67092/1-A		360-67132	360-67092	12/14/2010 13:13	1	TAL WFD	EMN
A:300.0	MB 360-67495/1-A		360-67626		12/22/2010 21:43	1	TAL WFD	RWE
A:300.0	MB 360-67495/1-A		360-67629		12/22/2010 21:43	1	TAL WFD	RWE
P:3060A	MB 460-59082/1-A ^10		460-59435	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	MB 460-59082/1-A ^10		460-59435	460-59082	12/18/2010 12:02	10	TAL EDI	RK
P:3060A	MB 460-59331/1-A ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	MB 460-59331/1-A ^10		460-59439	460-59331	12/20/2010 17:37	10	TAL EDI	RK
A:9045C	MB 460-59560/1		460-59560		12/21/2010 16:05	1	TAL EDI	MB
P:Distill/Ammonia	MB 360-67325/1-A		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	MB 360-67325/1-A		360-67341	360-67325	12/17/2010 15:00	1	TAL WFD	RWE
A:Lloyd Kahn	MB 360-67464/3		360-67464		12/16/2010 13:58	1	TAL WFD	RWE
A:Lloyd Kahn	MB 360-67468/5		360-67468		12/20/2010 10:35	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

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:5035	LCS 360-67366/1-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	LCS 360-67366/1-A		360-67368	360-67366	12/17/2010 15:59	1	TAL WFD	CMR
P:3546	LCS 360-67334/2-A		360-67459	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	LCS 360-67334/2-A		360-67459	360-67334	12/21/2010 02:01	1	TAL WFD	CT
P:5035	LCS 360-67507/1-A		360-67516	360-67507	12/21/2010 08:32	1	TAL WFD	CMR
A:MAVPH	LCS 360-67507/1-A		360-67516	360-67507	12/21/2010 15:20	1	TAL WFD	CMR
P:3546	LCS 360-66997/2-A		360-67006	360-66997	12/10/2010 12:34	1	TAL WFD	BRB
A:MA-EPH	LCS 360-66997/2-A		360-67006	360-66997	12/10/2010 15:41	1	TAL WFD	SS
P:3546	LCS 360-67139/2-A		360-67201	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	LCS 360-67139/2-A		360-67201	360-67139	12/15/2010 14:56	1	TAL WFD	SS
P:8315_S_Prep	LCS 640-75807/2-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	LCS 640-75807/2-A		640-75971	640-75807	12/16/2010 08:47	1	TAL TAL	DNS
P:LC65	LCS 640-75851/2-A		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	LCS 640-75851/2-A		640-76132	640-75851	12/20/2010 21:41	1	TAL TAL	RD
A:300.0	LCS 360-67495/2-A		360-67626		12/22/2010 21:58	1	TAL WFD	RWE
A:300.0	LCS 360-67495/2-A		360-67629		12/22/2010 21:58	1	TAL WFD	RWE
A:9045C	LCS 460-59560/2		460-59560		12/21/2010 16:06	1	TAL EDI	MB
P:Distill/Ammonia	LCS 360-67325/2-A		360-67341	360-67325	12/17/2010 10:20	1	TAL WFD	RWE
A:L107-06-1B	LCS 360-67325/2-A		360-67341	360-67325	12/17/2010 15:01	1	TAL WFD	RWE
A:Lloyd Kahn	LCS 360-67464/4		360-67464		12/16/2010 14:43	1	TAL WFD	RWE
A:Lloyd Kahn	LCS 360-67468/6		360-67468		12/20/2010 11:00	1	TAL WFD	RWE
A:SM 2580B	LCS 460-59591/1		460-59591		12/21/2010 12:40	1	TAL EDI	MB

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 360-67366/2-A		360-67368	360-67366	12/17/2010 09:33	1	TAL WFD	CMR
A:8260C	LCSD 360-67366/2-A		360-67368	360-67366	12/17/2010 16:24	1	TAL WFD	CMR
P:3546	LCSD 360-67334/3-A		360-67459	360-67334	12/17/2010 11:39	1	TAL WFD	YRK
A:8270D	LCSD 360-67334/3-A		360-67459	360-67334	12/21/2010 02:38	1	TAL WFD	CT
P:5035	LCSD 360-67507/2-A		360-67516	360-67507	12/21/2010 08:32	1	TAL WFD	CMR
A:MAVPH	LCSD 360-67507/2-A		360-67516	360-67507	12/21/2010 15:53	1	TAL WFD	CMR
P:3546	LCSD 360-66997/3-A		360-67006	360-66997	12/10/2010 12:34	1	TAL WFD	BRB
A:MA-EPH	LCSD 360-66997/3-A		360-67006	360-66997	12/10/2010 16:15	1	TAL WFD	SS
P:3546	LCSD 360-67139/3-A		360-67201	360-67139	12/14/2010 15:57	1	TAL WFD	BRB
A:MA-EPH	LCSD 360-67139/3-A		360-67201	360-67139	12/15/2010 15:30	1	TAL WFD	SS
P:8315_S_Prep	LCSD 640-75807/3-A		640-75971	640-75807	12/15/2010 07:40	1	TAL TAL	DNS
A:8315A	LCSD 640-75807/3-A		640-75971	640-75807	12/16/2010 08:59	1	TAL TAL	DNS
P:LC65	LCSD 640-75851/3-A		640-76132	640-75851	12/14/2010 11:20	1	TAL TAL	DNS
A:LC65	LCSD 640-75851/3-A		640-76132	640-75851	12/20/2010 21:54	1	TAL TAL	RD

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

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 360-67039/2-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	LCSSRM 360-67039/2-A		360-67097	360-67039	12/13/2010 15:41	1	TAL WFD	TJS
P:7471A	LCSSRM 360-67091/2-A		360-67132	360-67091	12/14/2010 08:50	10	TAL WFD	EMN
A:7471A	LCSSRM 360-67091/2-A		360-67132	360-67091	12/14/2010 12:21	10	TAL WFD	EMN
P:7471A	LCSSRM 360-67092/2-A		360-67132	360-67092	12/14/2010 09:01	10	TAL WFD	EMN
A:7471A	LCSSRM 360-67092/2-A		360-67132	360-67092	12/14/2010 13:15	10	TAL WFD	EMN

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 360-67039/3-A		360-67097	360-67039	12/13/2010 08:46	1	TAL WFD	EMN
A:6010B	LCDSRM 360-67039/3-A		360-67097	360-67039	12/13/2010 15:45	1	TAL WFD	TJS
P:7471A	LCDSRM 360-67091/3-A		360-67132	360-67091	12/14/2010 08:50	10	TAL WFD	EMN
A:7471A	LCDSRM 360-67091/3-A		360-67132	360-67091	12/14/2010 12:23	10	TAL WFD	EMN
P:7471A	LCDSRM 360-67092/3-A		360-67132	360-67092	12/14/2010 09:01	10	TAL WFD	EMN
A:7471A	LCDSRM 360-67092/3-A		360-67132	360-67092	12/14/2010 13:16	10	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-31465-1
SDG: 360-31465-1

Laboratory Chronicle

Lab ID: LCSS **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:3060A	LCSS 460-59082/2-A ^25		460-59435	460-59082	12/17/2010 11:00	25	TAL EDI	RK
A:7199	LCSS 460-59082/2-A ^25		460-59435	460-59082	12/18/2010 12:17	25	TAL EDI	RK
P:3060A	LCSI 460-59082/3-A ^500		460-59435	460-59082	12/17/2010 11:00	500	TAL EDI	RK
A:7199	LCSI 460-59082/3-A ^500		460-59435	460-59082	12/18/2010 12:24	500	TAL EDI	RK
P:3060A	360-31465-H-13-C MSS ^10		460-59439	460-59082	12/17/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-H-13-C MSS ^10		460-59439	460-59082	12/20/2010 16:53	10	TAL EDI	RK
P:3060A	360-31465-H-13-D MSI ^50		460-59439	460-59082	12/17/2010 11:00	50	TAL EDI	RK
A:7199	360-31465-H-13-D MSI ^50		460-59439	460-59082	12/20/2010 17:22	50	TAL EDI	RK
P:3060A	LCSS 460-59331/2-A ^25		460-59439	460-59331	12/20/2010 11:00	25	TAL EDI	RK
A:7199	LCSS 460-59331/2-A ^25		460-59439	460-59331	12/20/2010 17:51	25	TAL EDI	RK
P:3060A	LCSI 460-59331/3-A ^500		460-59439	460-59331	12/20/2010 11:00	500	TAL EDI	RK
A:7199	LCSI 460-59331/3-A ^500		460-59439	460-59331	12/20/2010 17:59	500	TAL EDI	RK
P:3060A	360-31465-H-13-G MSS ^10		460-59439	460-59331	12/20/2010 11:00	10	TAL EDI	RK
A:7199	360-31465-H-13-G MSS ^10		460-59439	460-59331	12/20/2010 19:04	10	TAL EDI	RK
P:3060A	360-31465-H-13-H MSI ^50		460-59439	460-59331	12/20/2010 11:00	50	TAL EDI	RK
A:7199	360-31465-H-13-H MSI ^50		460-59439	460-59331	12/20/2010 19:12	50	TAL EDI	RK

Lab References:

TAL EDI = TestAmerica Edison

TAL TAL = TestAmerica Tallahassee

TAL WFD = TestAmerica Westfield

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
OC-SD-ISCO-2-XXX	360-31465-1	98	99	98
OC-SD-LB-1-XXX	360-31465-2	98	101	102
OC-SD-LB-2-XXX	360-31465-3	98	101	101
OC-SD-LB-3-XXX	360-31465-4	100	102	102
OC-SD-SD-1-XXX	360-31465-5	98	101	100
OC-SD-SD-SD3-XXX	360-31465-6	100	102	101
OC-SD-SDSW-E-XXX	360-31465-7	100	101	102
OC-TBK-064	360-31465-8	97	103	104
OC-SD-OPWD-1-XXX	360-31465-9	97	102	100
OC-SD-OPWD-2-XXX	360-31465-10	98	101	103
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11	98	102	100
OC-SD-SD-SD2-DUP	360-31465-12	99	102	102
OC-SD-SD-SD2-XXX	360-31465-13	98	100	104
OC-TBK-066	360-31465-14	97	102	104
	MB 360-67366/3-A	97	101	101
	LCS 360-67366/1-A	100	109	101
	LCSD 360-67366/2-A	103	109	104
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	103	108	100
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	103	108	101

	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 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50604.D

Lab ID: LCS 360-67366/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	85.5	85	70-130	
1,1,1-Trichloroethane	100	96.5	97	70-130	
1,1,2,2-Tetrachloroethane	100	74.0	74	70-130	
1,1,2-Trichloroethane	100	85.2	85	70-130	
1,1-Dichloroethane	100	89.2	89	70-130	
1,1-Dichloroethene	100	95.1	95	70-130	
1,1-Dichloropropene	100	94.6	95	70-130	
1,2,3-Trichlorobenzene	100	91.1	91	70-130	
1,2,3-Trichloropropane	100	79.2	79	70-130	
1,2,4-Trichlorobenzene	100	93.1	93	70-130	
1,2,4-Trimethylbenzene	100	87.6	88	70-130	
1,2-Dibromo-3-Chloropropane	100	78.9	79	70-130	
1,2-Dichlorobenzene	100	92.4	92	70-130	
1,2-Dichloroethane	100	89.4	89	70-130	
1,2-Dichloropropane	100	88.6	89	70-130	
1,3,5-Trimethylbenzene	100	87.3	87	70-130	
1,3-Dichlorobenzene	100	87.7	88	70-130	
1,3-Dichloropropane	100	90.0	90	70-130	
1,4-Dichlorobenzene	100	91.1	91	70-130	
1,4-Dioxane	1000	868	87	70-130	
2,2-Dichloropropane	100	83.7	84	70-130	
2-Butanone (MEK)	1000	711	71	70-130	
2-Chlorotoluene	100	86.4	86	70-130	
2-Hexanone	1000	881	88	70-130	
4-Chlorotoluene	100	88.2	88	70-130	
4-Isopropyltoluene	100	92.3	92	70-130	
4-Methyl-2-pentanone (MIBK)	1000	792	79	70-130	
Acetone	1000	716	72	70-130	
Benzene	100	89.5	90	70-130	
Bromobenzene	100	80.9	81	70-130	
Bromoform	100	80.2	80	70-130	
Bromomethane	100	88.7	89	70-130	
Carbon disulfide	100	89.6	90	70-130	
Carbon tetrachloride	100	94.4	94	70-130	
Chlorobenzene	100	96.4	96	70-130	
Chlorobromomethane	100	94.6	95	70-130	
Chlorodibromomethane	100	90.8	91	70-130	
Chloroethane	100	78.2	78	70-130	
Chloroform	100	90.5	90	70-130	
Chloromethane	100	81.5	81	70-130	
cis-1,2-Dichloroethene	100	84.6	85	70-130	
cis-1,3-Dichloropropene	100	92.2	92	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50604.D

Lab ID: LCS 360-67366/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibromomethane	100	94.8	95	70-130	
Dichlorobromomethane	100	87.9	88	70-130	
Dichlorodifluoromethane	100	69.8	70	70-130	
Ethyl ether	100	81.7	82	70-130	
Ethylbenzene	100	92.4	92	70-130	
Ethylene Dibromide	100	91.8	92	70-130	
Hexachlorobutadiene	100	94.1	94	70-130	
Isopropyl ether	100	79.6	80	70-130	
Isopropylbenzene	100	90.0	90	70-130	
m-Xylene & p-Xylene	200	186	93	70-130	
Methyl tert-butyl ether	100	81.7	82	70-130	
Methylene Chloride	100	91.9	92	70-130	
n-Butylbenzene	100	95.5	96	70-130	
N-Propylbenzene	100	90.5	91	70-130	
Naphthalene	100	80.9	81	70-130	
o-Xylene	100	89.8	90	70-130	
sec-Butylbenzene	100	88.5	89	70-130	
Styrene	100	89.1	89	70-130	
Tert-amyl methyl ether	100	80.9	81	70-130	
Tert-butyl ethyl ether	100	82.2	82	70-130	
tert-Butylbenzene	100	91.3	91	70-130	
Tetrachloroethene	100	104	104	70-130	
Tetrahydrofuran	1000	757	76	70-130	
Toluene	100	101	101	70-130	
trans-1,2-Dichloroethene	100	87.0	87	70-130	
trans-1,3-Dichloropropene	100	91.1	91	70-130	
Trichloroethene	100	97.1	97	70-130	
Trichlorofluoromethane	100	86.9	87	70-130	
Vinyl chloride	100	86.2	86	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	107	107	70-130	
2,4,4-Trimethyl-1-pentene	100	90.5	90	70-130	
2,4,4-Trimethyl-2-pentene	100	109	109	70-130	
Cyclohexane	100	89.7	90	70-130	
Methyl acetate	1000	698	70	70-130	
Methylcyclohexane	100	90.8	91	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50605.D

Lab ID: LCSD 360-67366/2-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	87.5	87	2	20	70-130	
1,1,1-Trichloroethane	100	94.6	95	2	20	70-130	
1,1,2,2-Tetrachloroethane	100	80.2	80	8	20	70-130	
1,1,2-Trichloroethane	100	90.5	91	6	20	70-130	
1,1-Dichloroethane	100	88.3	88	1	20	70-130	
1,1-Dichloroethene	100	93.0	93	2	20	70-130	
1,1-Dichloropropene	100	93.2	93	1	20	70-130	
1,2,3-Trichlorobenzene	100	95.0	95	4	20	70-130	
1,2,3-Trichloropropane	100	87.5	88	10	20	70-130	
1,2,4-Trichlorobenzene	100	96.0	96	3	20	70-130	
1,2,4-Trimethylbenzene	100	87.7	88	0	20	70-130	
1,2-Dibromo-3-Chloropropane	100	80.7	81	2	20	70-130	
1,2-Dichlorobenzene	100	93.8	94	2	20	70-130	
1,2-Dichloroethane	100	92.7	93	4	20	70-130	
1,2-Dichloropropane	100	90.0	90	2	20	70-130	
1,3,5-Trimethylbenzene	100	87.9	88	1	20	70-130	
1,3-Dichlorobenzene	100	90.2	90	3	20	70-130	
1,3-Dichloropropane	100	93.4	93	4	20	70-130	
1,4-Dichlorobenzene	100	92.1	92	1	20	70-130	
1,4-Dioxane	1000	841	84	3	20	70-130	
2,2-Dichloropropane	100	81.3	81	3	20	70-130	
2-Butanone (MEK)	1000	767	77	8	20	70-130	
2-Chlorotoluene	100	86.7	87	0	20	70-130	
2-Hexanone	1000	950	95	7	20	70-130	
4-Chlorotoluene	100	89.7	90	2	20	70-130	
4-Isopropyltoluene	100	91.4	91	1	20	70-130	
4-Methyl-2-pentanone (MIBK)	1000	849	85	7	20	70-130	
Acetone	1000	763	76	6	20	70-130	
Benzene	100	90.2	90	1	20	70-130	
Bromobenzene	100	81.5	81	1	20	70-130	
Bromoform	100	84.8	85	6	20	70-130	
Bromomethane	100	84.5	85	5	20	70-130	
Carbon disulfide	100	87.4	87	3	20	70-130	
Carbon tetrachloride	100	93.5	93	1	20	70-130	
Chlorobenzene	100	97.2	97	1	20	70-130	
Chlorobromomethane	100	96.8	97	2	20	70-130	
Chlorodibromomethane	100	94.3	94	4	20	70-130	
Chloroethane	100	73.3	73	6	20	70-130	
Chloroform	100	91.1	91	1	20	70-130	
Chloromethane	100	76.5	77	6	20	70-130	
cis-1,2-Dichloroethene	100	84.8	85	0	20	70-130	
cis-1,3-Dichloropropene	100	94.6	95	3	20	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50605.D

Lab ID: LCSD 360-67366/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibromomethane	100	98.8	99	4	20	70-130	
Dichlorobromomethane	100	89.5	89	2	20	70-130	
Dichlorodifluoromethane	100	68.4	68	2	20	70-130	*
Ethyl ether	100	86.6	87	6	20	70-130	
Ethylbenzene	100	92.8	93	0	20	70-130	
Ethylene Dibromide	100	95.6	96	4	20	70-130	
Hexachlorobutadiene	100	92.7	93	2	20	70-130	
Isopropyl ether	100	80.5	81	1	20	70-130	
Isopropylbenzene	100	90.2	90	0	20	70-130	
m-Xylene & p-Xylene	200	186	93	0	20	70-130	
Methyl tert-butyl ether	100	84.6	85	4	20	70-130	
Methylene Chloride	100	90.9	91	1	20	70-130	
n-Butylbenzene	100	94.3	94	1	20	70-130	
N-Propylbenzene	100	90.0	90	1	20	70-130	
Naphthalene	100	86.3	86	6	20	70-130	
o-Xylene	100	90.5	91	1	20	70-130	
sec-Butylbenzene	100	88.2	88	0	20	70-130	
Styrene	100	91.8	92	3	20	70-130	
Tert-amyl methyl ether	100	85.2	85	5	20	70-130	
Tert-butyl ethyl ether	100	84.2	84	2	20	70-130	
tert-Butylbenzene	100	91.1	91	0	20	70-130	
Tetrachloroethene	100	101	101	3	20	70-130	
Tetrahydrofuran	1000	831	83	9	20	70-130	
Toluene	100	101	101	0	20	70-130	
trans-1,2-Dichloroethene	100	85.7	86	1	20	70-130	
trans-1,3-Dichloropropene	100	96.8	97	6	20	70-130	
Trichloroethene	100	95.4	95	2	20	70-130	
Trichlorofluoromethane	100	82.2	82	6	20	70-130	
Vinyl chloride	100	81.1	81	6	20	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	104	104	2	20	70-130	
2,4,4-Trimethyl-1-pentene	100	85.2	85	6	20	70-130	
2,4,4-Trimethyl-2-pentene	100	105	105	3	20	70-130	
Cyclohexane	100	86.7	87	3	20	70-130	
Methyl acetate	1000	758	76	8	20	70-130	
Methylcyclohexane	100	88.0	88	3	20	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50626.D

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	140	ND	97.5	69	70-130	F
1,1,1-Trichloroethane	140	ND	113	80	70-130	
1,1,2,2-Tetrachloroethane	140	ND	95.3	68	70-130	F
1,1,2-Trichloroethane	140	ND	113	80	70-130	
1,1-Dichloroethane	140	ND	109	77	70-130	
1,1-Dichloroethene	140	ND	97.8	70	70-130	
1,1-Dichloropropene	140	ND	95.9	68	70-130	F
1,2,3-Trichlorobenzene	140	ND	46.4	33	70-130	F
1,2,3-Trichloropropane	140	ND	102	73	70-130	
1,2,4-Trichlorobenzene	140	ND	48.4	34	70-130	F
1,2,4-Trimethylbenzene	140	ND	74.4	53	70-130	F
1,2-Dibromo-3-Chloropropane	140	ND	94.3	67	70-130	F
1,2-Dichlorobenzene	140	ND	78.3	56	70-130	F
1,2-Dichloroethane	140	ND	120	85	70-130	
1,2-Dichloropropane	140	ND	114	81	70-130	
1,3,5-Trimethylbenzene	140	ND	73.5	52	70-130	F
1,3-Dichlorobenzene	140	ND	69.5	49	70-130	F
1,3-Dichloropropane	140	ND	116	83	70-130	
1,4-Dichlorobenzene	140	ND	71.7	51	70-130	F
1,4-Dioxane	1400	ND	1230	87	70-130	
2,2-Dichloropropane	140	ND	97.3	69	70-130	F
2-Butanone (MEK)	1400	20 J	1020	71	70-130	
2-Chlorotoluene	140	ND	75.2	54	70-130	F
2-Hexanone	1400	ND	1150	82	70-130	
4-Chlorotoluene	140	ND	74.4	53	70-130	F
4-Isopropyltoluene	140	ND	61.9	44	70-130	F
4-Methyl-2-pentanone (MIBK)	1400	ND	1040	74	70-130	
Acetone	1400	110 J	968	61	70-130	F
Benzene	140	ND	110	78	70-130	
Bromobenzene	140	ND	76.5	54	70-130	F
Bromoform	140	ND	94.4	67	70-130	F
Bromomethane	140	ND	94.7	67	70-130	F
Carbon disulfide	140	ND	75.3	54	70-130	F
Carbon tetrachloride	140	ND	97.0	69	70-130	F
Chlorobenzene	140	ND	98.9	70	70-130	
Chlorobromomethane	140	ND	121	86	70-130	
Chlorodibromomethane	140	ND	109	78	70-130	
Chloroethane	140	ND	84.0	60	70-130	F
Chloroform	140	ND	112	80	70-130	
Chloromethane	140	ND	82.8	59	70-130	F
cis-1,2-Dichloroethene	140	ND	97.9	70	70-130	
cis-1,3-Dichloropropene	140	ND	103	73	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50626.D

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dibromomethane	140	ND	122	87	70-130	
Dichlorobromomethane	140	ND	110	78	70-130	
Dichlorodifluoromethane	140	ND	74.7	53	70-130	F
Ethyl ether	140	ND	110	78	70-130	
Ethylbenzene	140	ND	92.5	66	70-130	F
Ethylene Dibromide	140	ND	117	83	70-130	
Hexachlorobutadiene	140	ND	25.5	18	70-130	F
Isopropyl ether	140	ND	102	73	70-130	
Isopropylbenzene	140	ND	79.3	56	70-130	F
m-Xylene & p-Xylene	281	ND	183	65	70-130	F
Methyl tert-butyl ether	140	ND	113	81	70-130	
Methylene Chloride	140	ND	112	80	70-130	
n-Butylbenzene	140	ND	50.8	36	70-130	F
N-Propylbenzene	140	ND	72.7	52	70-130	F
Naphthalene	140	ND	62.0	44	70-130	F
o-Xylene	140	ND	91.3	65	70-130	F
sec-Butylbenzene	140	ND	57.9	41	70-130	F
Styrene	140	ND	82.7	59	70-130	F
Tert-amyl methyl ether	140	ND	112	80	70-130	
Tert-butyl ethyl ether	140	ND	113	80	70-130	
tert-Butylbenzene	140	ND	70.5	50	70-130	F
Tetrachloroethene	140	ND	96.5	69	70-130	F
Tetrahydrofuran	1400	ND	1050	75	70-130	
Toluene	140	ND	114	81	70-130	
trans-1,2-Dichloroethene	140	ND	89.5	64	70-130	F
trans-1,3-Dichloropropene	140	ND	103	74	70-130	
Trichloroethene	140	ND	106	75	70-130	
Trichlorofluoromethane	140	ND	91.4	65	70-130	F
Vinyl chloride	140	ND	81.5	58	70-130	F
1,1,2-Trichloro-1,2,2-trifluoroethane	140	ND	106	76	70-130	
2,4,4-Trimethyl-1-pentene	140	37	117	57	70-130	F
2,4,4-Trimethyl-2-pentene	140	2.8 J	76.8	53	70-130	F
Cyclohexane	140	ND	74.7	53	70-130	F
Methyl acetate	1400	ND	1270	90	70-130	
Methylcyclohexane	140	ND	60.6	43	70-130	F

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50627.D

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	104	72.9	70	29	30	70-130	
1,1,1-Trichloroethane	104	83.6	80	30	30	70-130	
1,1,2,2-Tetrachloroethane	104	65.4	63	37	30	70-130	F
1,1,2-Trichloroethane	104	79.5	76	35	30	70-130	F
1,1-Dichloroethane	104	80.6	77	30	30	70-130	
1,1-Dichloroethene	104	74.5	71	27	30	70-130	
1,1-Dichloropropene	104	71.1	68	30	30	70-130	F
1,2,3-Trichlorobenzene	104	38.8	37	18	30	70-130	F
1,2,3-Trichloropropane	104	74.8	72	31	30	70-130	F
1,2,4-Trichlorobenzene	104	40.7	39	17	30	70-130	F
1,2,4-Trimethylbenzene	104	57.9	56	25	30	70-130	F
1,2-Dibromo-3-Chloropropane	104	70.1	67	29	30	70-130	F
1,2-Dichlorobenzene	104	59.8	57	27	30	70-130	F
1,2-Dichloroethane	104	85.7	82	33	30	70-130	F
1,2-Dichloropropane	104	82.8	79	32	30	70-130	F
1,3,5-Trimethylbenzene	104	57.9	55	24	30	70-130	F
1,3-Dichlorobenzene	104	55.4	53	23	30	70-130	F
1,3-Dichloropropane	104	82.8	79	34	30	70-130	F
1,4-Dichlorobenzene	104	56.1	54	24	30	70-130	F
1,4-Dioxane	1040	989	95	21	30	70-130	
2,2-Dichloropropane	104	73.2	70	28	30	70-130	
2-Butanone (MEK)	1040	732	68	33	30	70-130	F
2-Chlorotoluene	104	59.1	57	24	30	70-130	F
2-Hexanone	1040	807	77	35	30	70-130	F
4-Chlorotoluene	104	57.9	55	25	30	70-130	F
4-Isopropyltoluene	104	51.2	49	19	30	70-130	F
4-Methyl-2-pentanone (MIBK)	1040	740	71	34	30	70-130	F
Acetone	1040	731	60	28	30	70-130	F
Benzene	104	80.5	77	31	30	70-130	F
Bromobenzene	104	58.3	56	27	30	70-130	F
Bromoform	104	69.9	67	30	30	70-130	F
Bromomethane	104	73.6	70	25	30	70-130	
Carbon disulfide	104	61.2	59	21	30	70-130	F
Carbon tetrachloride	104	70.2	67	32	30	70-130	F
Chlorobenzene	104	74.6	71	28	30	70-130	
Chlorobromomethane	104	86.9	83	33	30	70-130	F
Chlorodibromomethane	104	78.7	75	32	30	70-130	F
Chloroethane	104	64.2	62	27	30	70-130	F
Chloroform	104	82.6	79	30	30	70-130	
Chloromethane	104	65.1	62	24	30	70-130	F
cis-1,2-Dichloroethene	104	73.3	70	29	30	70-130	
cis-1,3-Dichloropropene	104	73.2	70	34	30	70-130	F

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: V50627.D

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibromomethane	104	87.4	84	33	30	70-130	F
Dichlorobromomethane	104	80.7	77	30	30	70-130	
Dichlorodifluoromethane	104	53.4	51	33	30	70-130	F
Ethyl ether	104	79.3	76	33	30	70-130	F
Ethylbenzene	104	70.4	67	27	30	70-130	F
Ethylene Dibromide	104	81.8	78	35	30	70-130	F
Hexachlorobutadiene	104	23.3	22	9	30	70-130	F
Isopropyl ether	104	75.2	72	31	30	70-130	F
Isopropylbenzene	104	62.5	60	24	30	70-130	F
m-Xylene & p-Xylene	209	139	67	28	30	70-130	F
Methyl tert-butyl ether	104	82.1	79	32	30	70-130	F
Methylene Chloride	104	84.0	80	28	30	70-130	
n-Butylbenzene	104	43.2	41	16	30	70-130	F
N-Propylbenzene	104	57.3	55	24	30	70-130	F
Naphthalene	104	47.2	45	27	30	70-130	F
o-Xylene	104	70.1	67	26	30	70-130	F
sec-Butylbenzene	104	47.9	46	19	30	70-130	F
Styrene	104	62.6	60	28	30	70-130	F
Tert-amyl methyl ether	104	81.3	78	32	30	70-130	F
Tert-butyl ethyl ether	104	81.4	78	33	30	70-130	F
tert-Butylbenzene	104	57.3	55	21	30	70-130	F
Tetrachloroethene	104	73.3	70	27	30	70-130	
Tetrahydrofuran	1040	746	71	34	30	70-130	F
Toluene	104	83.2	80	31	30	70-130	F
trans-1,2-Dichloroethene	104	68.2	65	27	30	70-130	F
trans-1,3-Dichloropropene	104	75.2	72	31	30	70-130	F
Trichloroethene	104	77.6	74	31	30	70-130	F
Trichlorofluoromethane	104	66.1	63	32	30	70-130	F
Vinyl chloride	104	63.8	61	24	30	70-130	F
1,1,2-Trichloro-1,2,2-trifluoroethane	104	77.2	74	32	30	70-130	F
2,4,4-Trimethyl-1-pentene	104	66.2	28	55	30	70-130	F
2,4,4-Trimethyl-2-pentene	104	60.0	55	25	30	70-130	F
Cyclohexane	104	55.6	53	29	30	70-130	F
Methyl acetate	1040	900	86	34	30	70-130	F
Methylcyclohexane	104	48.6	47	22	30	70-130	F

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: V50608.D Lab Sample ID: MB 360-67366/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 12/17/2010 17:36

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 360-67366/1-A	V50604.D	12/17/2010 15:59
	LCSD 360-67366/2-A	V50605.D	12/17/2010 16:24
OC-SD-ISCO-2-XXX	360-31465-1	V50609.D	12/17/2010 18:00
OC-SD-LB-1-XXX	360-31465-2	V50610.D	12/17/2010 18:23
OC-SD-LB-2-XXX	360-31465-3	V50611.D	12/17/2010 18:47
OC-SD-SD-1-XXX	360-31465-5	V50612.D	12/17/2010 19:11
OC-SD-SD-SD3-XXX	360-31465-6	V50613.D	12/17/2010 19:35
OC-SD-SDSW-E-XXX	360-31465-7	V50614.D	12/17/2010 19:59
OC-TBK-064	360-31465-8	V50615.D	12/17/2010 20:24
OC-SD-OPWD-1-XXX	360-31465-9	V50616.D	12/17/2010 20:48
OC-SD-OPWD-2-XXX	360-31465-10	V50617.D	12/17/2010 21:12
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11	V50618.D	12/17/2010 21:37
OC-SD-SD-SD2-DUP	360-31465-12	V50619.D	12/17/2010 22:02
OC-SD-SD-SD2-XXX	360-31465-13	V50620.D	12/17/2010 22:25
OC-TBK-066	360-31465-14	V50621.D	12/17/2010 22:49
OC-SD-LB-3-XXX	360-31465-4	V50625.D	12/18/2010 00:25
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	V50626.D	12/18/2010 00:49
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	V50627.D	12/18/2010 01:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: V49627.D BFB Injection Date: 10/19/2010

Instrument ID: HP #1 GC/MS BFB Injection Time: 15:27

Analysis Batch No.: 64639

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.5	
75	30.0 - 60.0 % of mass 95	45.1	
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	64.3	
175	5.0 - 9.0 % of mass 174	5.3	(8.2)1
176	95.0 - 101.0 % of mass 174	62.1	(96.6)1
177	5.0 - 9.0 % of mass 176	3.9	(6.3)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 360-64639/5	V49628.D	10/19/2010	15:51
	STD1 360-64639/6	V49629.D	10/19/2010	16:15
	STD5 360-64639/7	V49630.D	10/19/2010	16:57
	STD10 360-64639/8	V49631.D	10/19/2010	17:20
	STD20 360-64639/9	V49632.D	10/19/2010	17:44
	STD40 360-64639/10	V49633.D	10/19/2010	18:08
	STD80 360-64639/11	V49634.D	10/19/2010	18:32

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: V50602.D BFB Injection Date: 12/17/2010

Instrument ID: HP #1 GC/MS BFB Injection Time: 15:11

Analysis Batch No.: 67368

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
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	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	59.6	
175	5.0 - 9.0 % of mass 174	4.7	(7.9)1
176	95.0 - 101.0 % of mass 174	60.0	(100.8)1
177	5.0 - 9.0 % of mass 176	4.0	(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 360-67368/2	V50603.D	12/17/2010	15:35
	LCS 360-67366/1-A	V50604.D	12/17/2010	15:59
	LCSD 360-67366/2-A	V50605.D	12/17/2010	16:24
	MB 360-67366/3-A	V50608.D	12/17/2010	17:36
OC-SD-ISCO-2-XXX	360-31465-1	V50609.D	12/17/2010	18:00
OC-SD-LB-1-XXX	360-31465-2	V50610.D	12/17/2010	18:23
OC-SD-LB-2-XXX	360-31465-3	V50611.D	12/17/2010	18:47
OC-SD-SD-1-XXX	360-31465-5	V50612.D	12/17/2010	19:11
OC-SD-SD-SD3-XXX	360-31465-6	V50613.D	12/17/2010	19:35
OC-SD-SDSW-E-XXX	360-31465-7	V50614.D	12/17/2010	19:59
OC-TBK-064	360-31465-8	V50615.D	12/17/2010	20:24
OC-SD-OPWD-1-XXX	360-31465-9	V50616.D	12/17/2010	20:48
OC-SD-OPWD-2-XXX	360-31465-10	V50617.D	12/17/2010	21:12
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11	V50618.D	12/17/2010	21:37
OC-SD-SD-SD2-DUP	360-31465-12	V50619.D	12/17/2010	22:02
OC-SD-SD-SD2-XXX	360-31465-13	V50620.D	12/17/2010	22:25
OC-TBK-066	360-31465-14	V50621.D	12/17/2010	22:49
OC-SD-LB-3-XXX	360-31465-4	V50625.D	12/18/2010	00:25
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	V50626.D	12/18/2010	00:49
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	V50627.D	12/18/2010	01:13

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67368/2 Date Analyzed: 12/17/2010 15:35

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

Lab File ID (Standard): V50603.D Heated Purge: (Y/N) N

Calibration ID: 9957

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		11033	6.23	202899	6.45	131550	8.87
UPPER LIMIT		22066	6.73	405798	6.95	263100	9.37
LOWER LIMIT		5517	5.73	101450	5.95	65775	8.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-67366/1-A		9185	6.23	187488	6.45	122344	8.86
LCSD 360-67366/2-A		9854	6.23	192158	6.46	124425	8.87
MB 360-67366/3-A		9173	6.23	206260	6.45	132908	8.86
360-31465-1	OC-SD-ISCO-2-XXX	10208	6.22	210232	6.45	129362	8.86
360-31465-2	OC-SD-LB-1-XXX	9409	6.23	201496	6.45	129625	8.86
360-31465-3	OC-SD-LB-2-XXX	9523	6.22	206370	6.45	131969	8.86
360-31465-5	OC-SD-SD-1-XXX	9980	6.22	216444	6.45	137884	8.86
360-31465-6	OC-SD-SD-SD3-XXX	10327	6.23	212422	6.45	141031	8.86
360-31465-7	OC-SD-SDSW-E-XXX	9834	6.22	204888	6.45	133003	8.86
360-31465-8	OC-TBK-064	9852	6.22	205790	6.45	135407	8.86
360-31465-9	OC-SD-OPWD-1-XXX	9474	6.23	213481	6.45	138428	8.86
360-31465-10	OC-SD-OPWD-2-XXX	9854	6.22	205810	6.44	134240	8.86
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	9134	6.22	201326	6.45	130650	8.86
360-31465-12	OC-SD-SD-SD2-DUP	9910	6.22	209889	6.45	135910	8.86
360-31465-13	OC-SD-SD-SD2-XXX	9653	6.22	201446	6.45	129013	8.86
360-31465-14	OC-TBK-066	9313	6.22	196067	6.44	127995	8.86
360-31465-4	OC-SD-LB-3-XXX	9062	6.23	194176	6.44	126573	8.85
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	8983	6.22	181302	6.44	122620	8.86
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	8920	6.22	184596	6.44	122581	8.86

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 8260C

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67368/2 Date Analyzed: 12/17/2010 15:35

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

Lab File ID (Standard): V50603.D Heated Purge: (Y/N) N

Calibration ID: 9957

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		36624	10.70				
UPPER LIMIT		73248	11.20				
LOWER LIMIT		18312	10.20				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-67366/1-A		34119	10.71				
LCSD 360-67366/2-A		34677	10.70				
MB 360-67366/3-A		36912	10.71				
360-31465-1	OC-SD-ISCO-2-XXX	33170	10.70				
360-31465-2	OC-SD-LB-1-XXX	37325	10.70				
360-31465-3	OC-SD-LB-2-XXX	37098	10.70				
360-31465-5	OC-SD-SD-1-XXX	38356	10.70				
360-31465-6	OC-SD-SD-SD3-XXX	39429	10.70				
360-31465-7	OC-SD-SDSW-E-XXX	38300	10.70				
360-31465-8	OC-TBK-064	38407	10.70				
360-31465-9	OC-SD-OPWD-1-XXX	38494	10.70				
360-31465-10	OC-SD-OPWD-2-XXX	38528	10.70				
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	36731	10.70				
360-31465-12	OC-SD-SD-SD2-DUP	38355	10.70				
360-31465-13	OC-SD-SD-SD2-XXX	37809	10.70				
360-31465-14	OC-TBK-066	37280	10.70				
360-31465-4	OC-SD-LB-3-XXX	35196	10.70				
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	33465	10.70				
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	33792	10.70				

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 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: V50609.D

Analysis Method: 8260C | Date Collected: 12/09/2010 12:00

Sample wt/vol: 6.03(g) | Date Analyzed: 12/17/2010 18:00

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 47.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		4.0	1.9
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	1.6
79-00-5	1,1,2-Trichloroethane	ND		4.0	1.6
75-34-3	1,1-Dichloroethane	ND		4.0	3.0
75-35-4	1,1-Dichloroethene	ND		4.0	2.5
563-58-6	1,1-Dichloropropene	ND		4.0	2.4
87-61-6	1,2,3-Trichlorobenzene	ND		4.0	1.8
96-18-4	1,2,3-Trichloropropane	ND		4.0	1.9
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
95-63-6	1,2,4-Trimethylbenzene	ND		4.0	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	4.5
95-50-1	1,2-Dichlorobenzene	ND		4.0	1.6
107-06-2	1,2-Dichloroethane	ND		4.0	1.6
78-87-5	1,2-Dichloropropane	ND		4.0	2.5
108-67-8	1,3,5-Trimethylbenzene	ND		4.0	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.0	1.6
142-28-9	1,3-Dichloropropane	ND		4.0	1.8
106-46-7	1,4-Dichlorobenzene	ND		4.0	1.6
123-91-1	1,4-Dioxane	ND		400	160
594-20-7	2,2-Dichloropropane	ND		4.0	3.3
78-93-3	2-Butanone (MEK)	32	J	40	17
95-49-8	2-Chlorotoluene	ND		4.0	2.1
591-78-6	2-Hexanone	ND		40	22
106-43-4	4-Chlorotoluene	ND		4.0	1.9
99-87-6	4-Isopropyltoluene	ND		4.0	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	16
67-64-1	Acetone	150	J B	400	27
71-43-2	Benzene	ND		4.0	2.5
108-86-1	Bromobenzene	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	2.5
74-83-9	Bromomethane	ND		8.0	3.7
75-15-0	Carbon disulfide	ND		4.0	3.0
56-23-5	Carbon tetrachloride	ND		4.0	2.7
108-90-7	Chlorobenzene	ND		4.0	1.9
74-97-5	Chlorobromomethane	ND		4.0	2.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: V50609.D

Analysis Method: 8260C | Date Collected: 12/09/2010 12:00

Sample wt/vol: 6.03(g) | Date Analyzed: 12/17/2010 18:00

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 47.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		4.0	1.9
75-00-3	Chloroethane	ND		8.0	3.2
67-66-3	Chloroform	ND		4.0	2.4
74-87-3	Chloromethane	ND		8.0	2.5
156-59-2	cis-1,2-Dichloroethene	2.4	J	4.0	1.9
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.6
74-95-3	Dibromomethane	ND		4.0	2.0
75-27-4	Dichlorobromomethane	ND		4.0	2.0
75-71-8	Dichlorodifluoromethane	ND	*	8.0	3.3
60-29-7	Ethyl ether	ND		4.0	1.7
100-41-4	Ethylbenzene	ND		4.0	2.9
106-93-4	Ethylene Dibromide	ND		4.0	1.8
87-68-3	Hexachlorobutadiene	ND		4.0	2.4
108-20-3	Isopropyl ether	ND		4.0	1.8
98-82-8	Isopropylbenzene	ND		4.0	2.4
179601-23-1	m-Xylene & p-Xylene	ND		8.0	5.6
1634-04-4	Methyl tert-butyl ether	ND		4.0	2.4
75-09-2	Methylene Chloride	ND		16	16
104-51-8	n-Butylbenzene	ND		4.0	1.9
103-65-1	N-Propylbenzene	ND		4.0	2.7
91-20-3	Naphthalene	ND		40	3.7
95-47-6	o-Xylene	ND		4.0	2.1
135-98-8	sec-Butylbenzene	ND		4.0	2.2
100-42-5	Styrene	ND		4.0	1.6
994-05-8	Tert-amyl methyl ether	ND		4.0	2.4
637-92-3	Tert-butyl ethyl ether	ND		4.0	2.3
98-06-6	tert-Butylbenzene	ND		4.0	2.2
127-18-4	Tetrachloroethene	ND		4.0	2.9
109-99-9	Tetrahydrofuran	ND		40	20
108-88-3	Toluene	ND		4.0	2.9
156-60-5	trans-1,2-Dichloroethene	4.5		4.0	2.5
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.7
79-01-6	Trichloroethene	ND		4.0	3.3
75-69-4	Trichlorofluoromethane	ND		8.0	2.3
75-01-4	Vinyl chloride	ND		4.0	2.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	2.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: V50609.D

Analysis Method: 8260C | Date Collected: 12/09/2010 12:00

Sample wt/vol: 6.03(g) | Date Analyzed: 12/17/2010 18:00

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 47.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	9.6		8.0	2.6
107-40-4	2,4,4-Trimethyl-2-pentene	3.5	J	8.0	1.7
110-82-7	Cyclohexane	ND		40	1.6
79-20-9	Methyl acetate	ND		80	22
108-87-2	Methylcyclohexane	ND		4.0	2.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID: V50609.D

Analysis Method: 8260C Date Collected: 12/09/2010 12:00

Sample wt/vol: 6.03(g) Date Analyzed: 12/17/2010 18:00

Soil Aliquot Vol: 5 (mL) Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 47.9 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 4 TIC Result Total: 790

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	14.41	330	T J
	Unknown	14.57	20	T J
	Unknown	14.73	270	T J
	Unknown	14.88	170	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Lims ID: 360-31465-A-1-D
Client ID: OC-SD-ISCO-2-XXX
Inject. Date: 17-Dec-2010 18:00:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-1
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 9
Lims Batch ID: 67368
Lims Sample ID: 8
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 09:58:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76	3.611	3.617	-0.006	97	3728	0.3193	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.176	4.182	-0.006	91	1849	0.5430	
17 Acetone	43	4.226	4.224	0.002	100	8125	19.3	
18 trans-1,2-Dichloroethene	61	4.336	4.334	0.002	98	3132	0.5635	
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61	5.389	5.395	-0.006	40	1538	0.2991	
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	80	50471	19.6	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.878	5.884	-0.006	99	2667	4.05	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.223	6.230	-0.007	0	10208	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.451	6.449	0.002	98	210232	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55	6.476	6.474	0.002	58	3555	1.21	
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112	6.602	6.609	-0.007	87	804	0.4444	
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.673	7.671	0.002	92	185027	19.9	
61 Toluene	92	7.706	7.713	-0.007	77	1214	0.1744	
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.861	8.867	-0.006	85	129362	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91	8.996	8.994	0.002	99	1221	0.1253	
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.788	9.794	-0.006	75	64547	19.7	
$ 124 BFB (tune)	95	9.788	9.830	-0.042	95	64547	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.698	10.704	-0.006	98	33170	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D		
Lims ID:	360-31465-A-1-D	Client ID:	OC-SD-ISCO-2-XXX
Inject. Date:	17-Dec-2010 18:00:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-1		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	67368	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 09:58:39

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
BFB	9.788	64478		

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
14.414	968349	41.4	46	0	0	
	Unknown					
14.566	58775	2.51	46	0	0	
	Unknown					
14.734	801063	34.3	46	0	0	
	Unknown					
14.878	486802	20.8	46			

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 46 Fluorobenzene	6.451	467456	20.0

QC Flag Legend

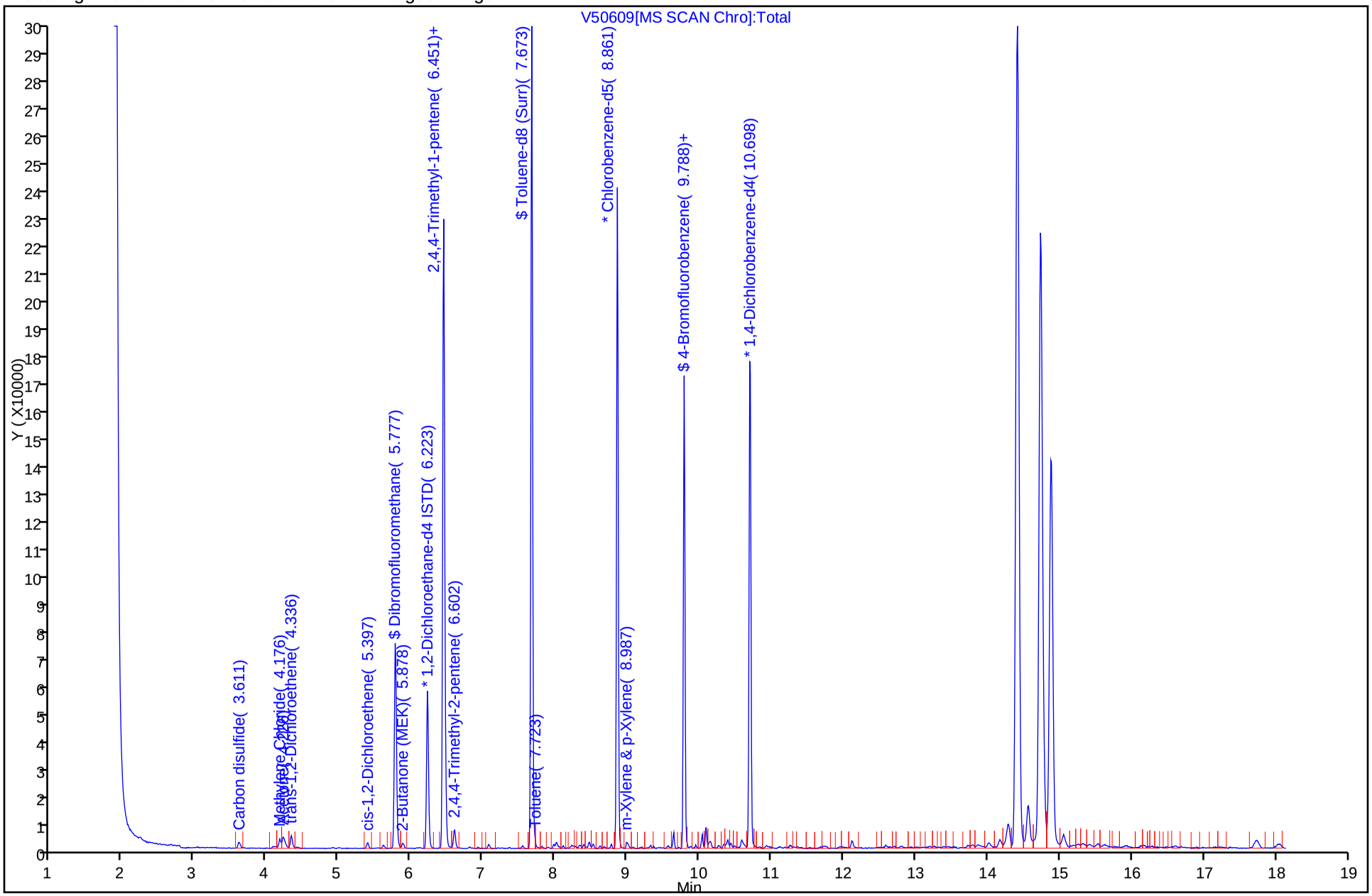
Processing Flags

Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D

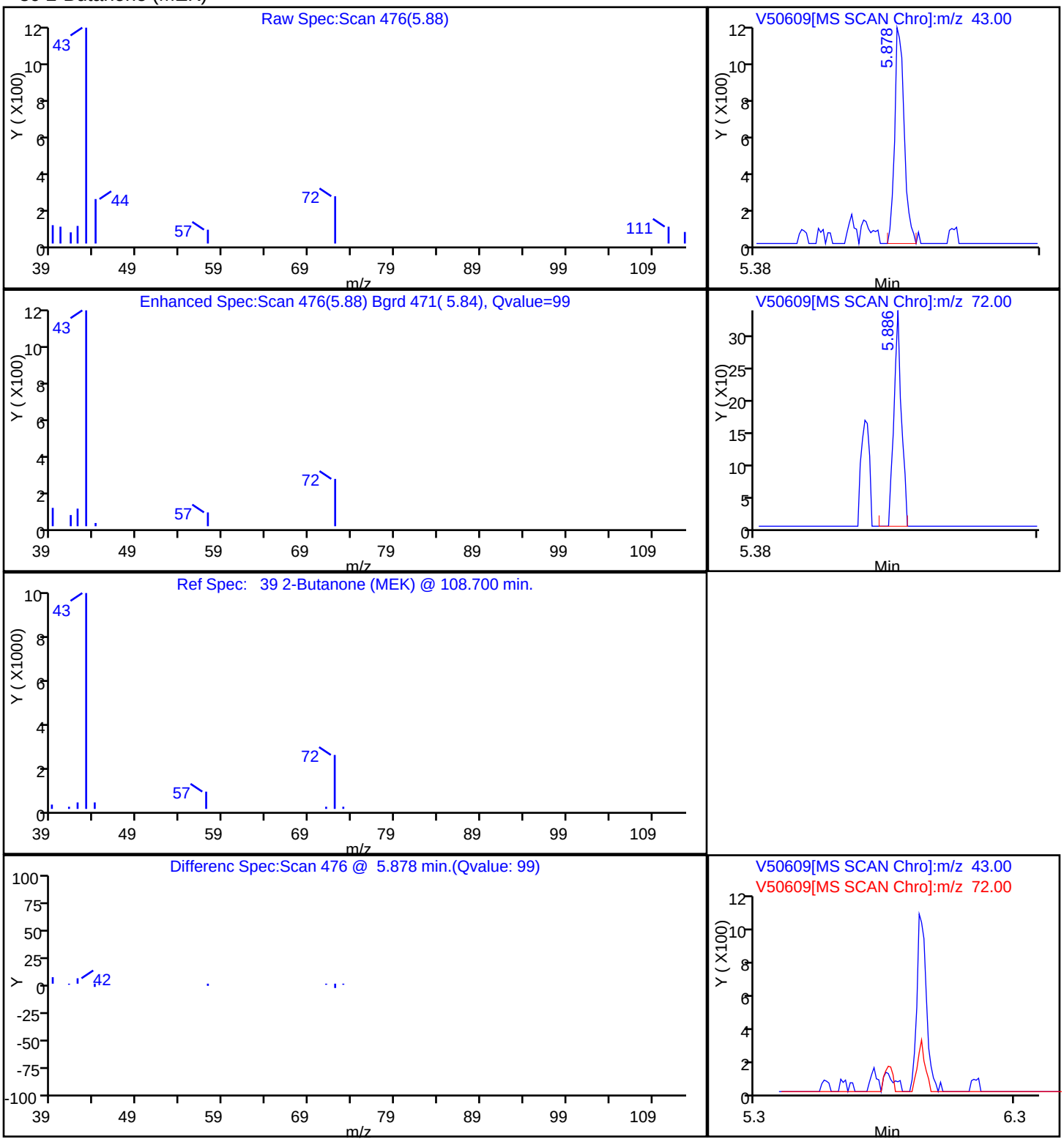
Injection Date:	17-Dec-2010 18:00:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	8
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

39 2-Butanone (MEK)

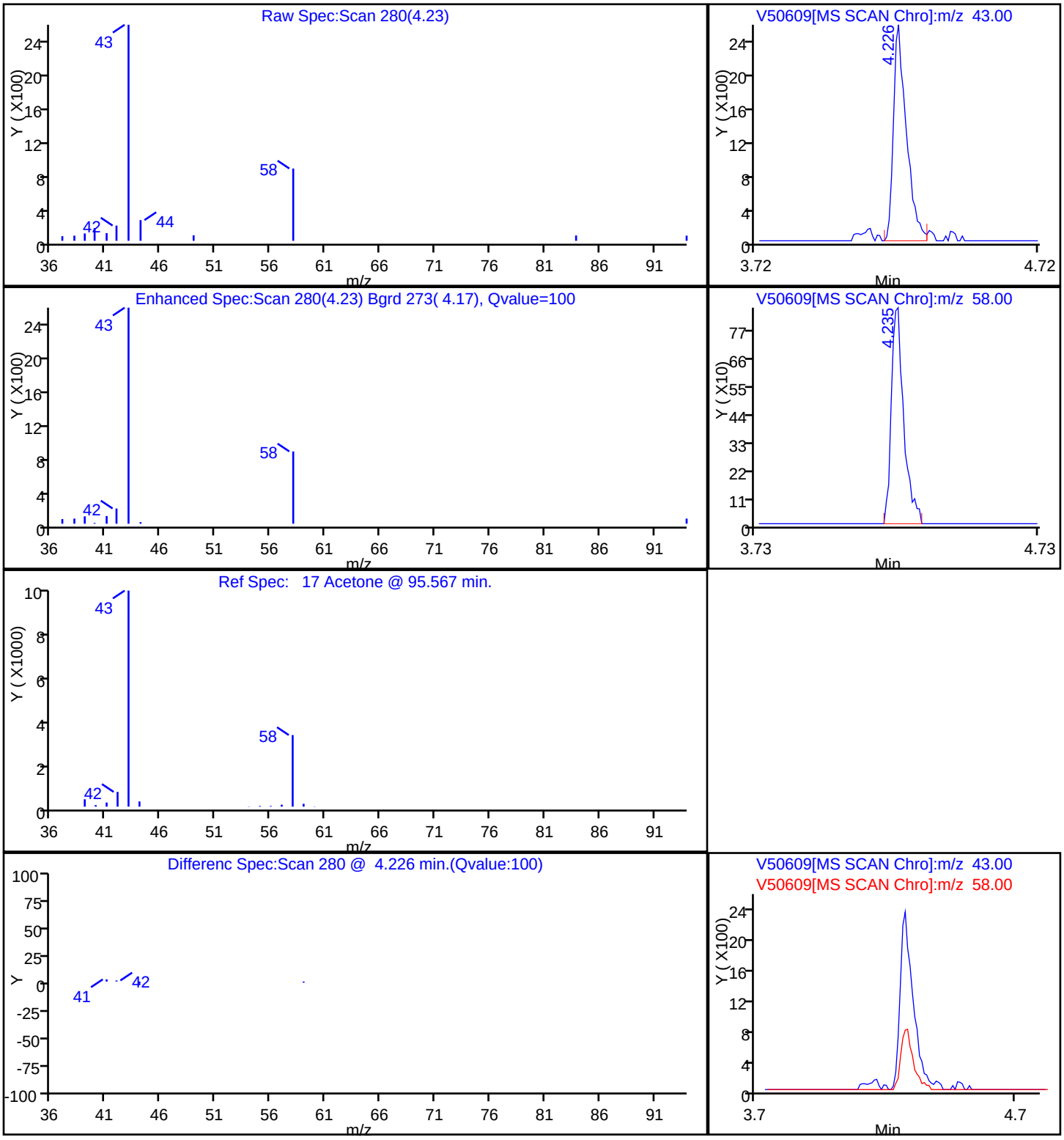


Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D

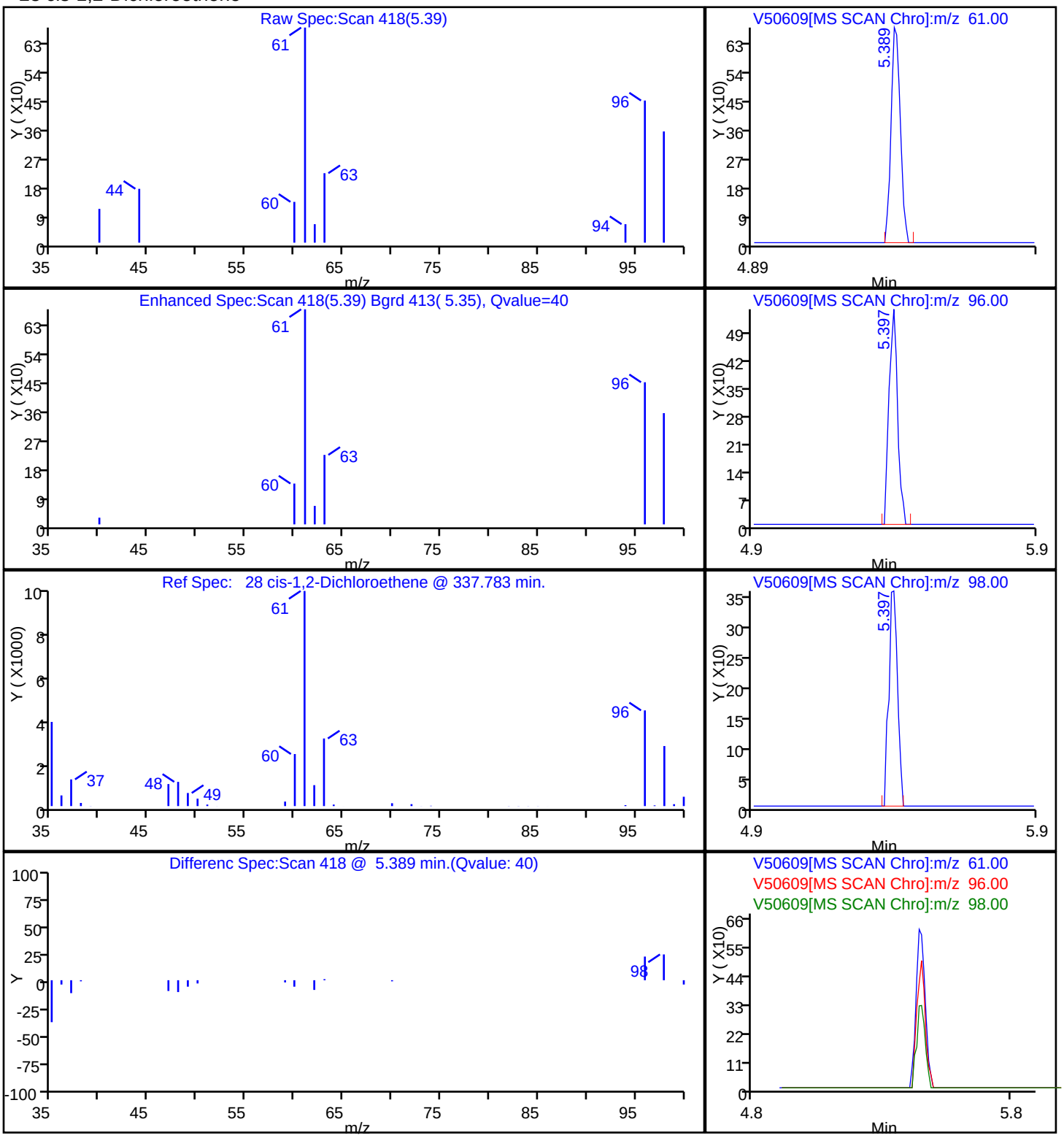
Injection Date:	17-Dec-2010 18:00:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	8
Operator ID:	CR		

17 Acetone



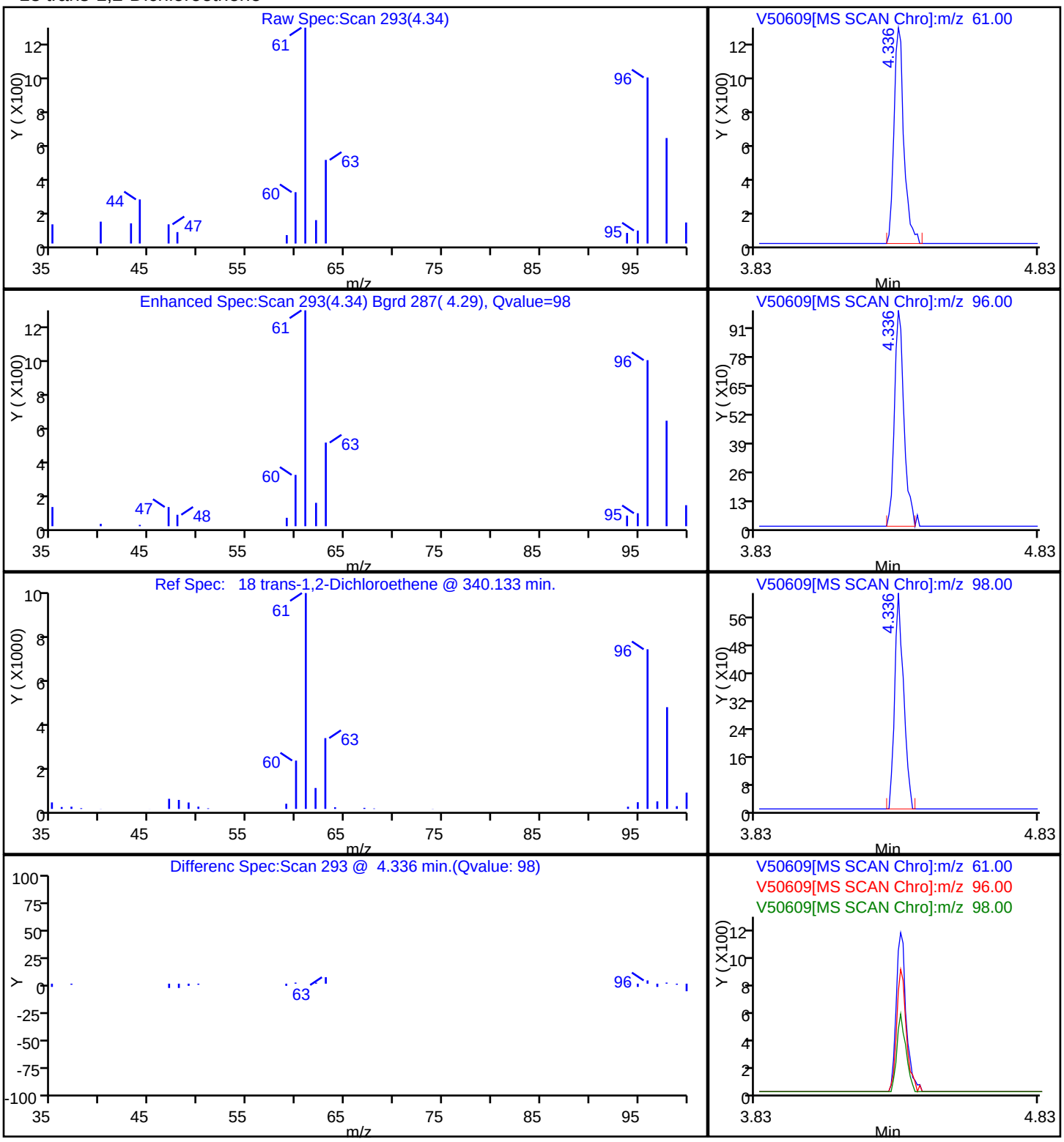
Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

28 cis-1,2-Dichloroethene



Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

18 trans-1,2-Dichloroethene



Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D

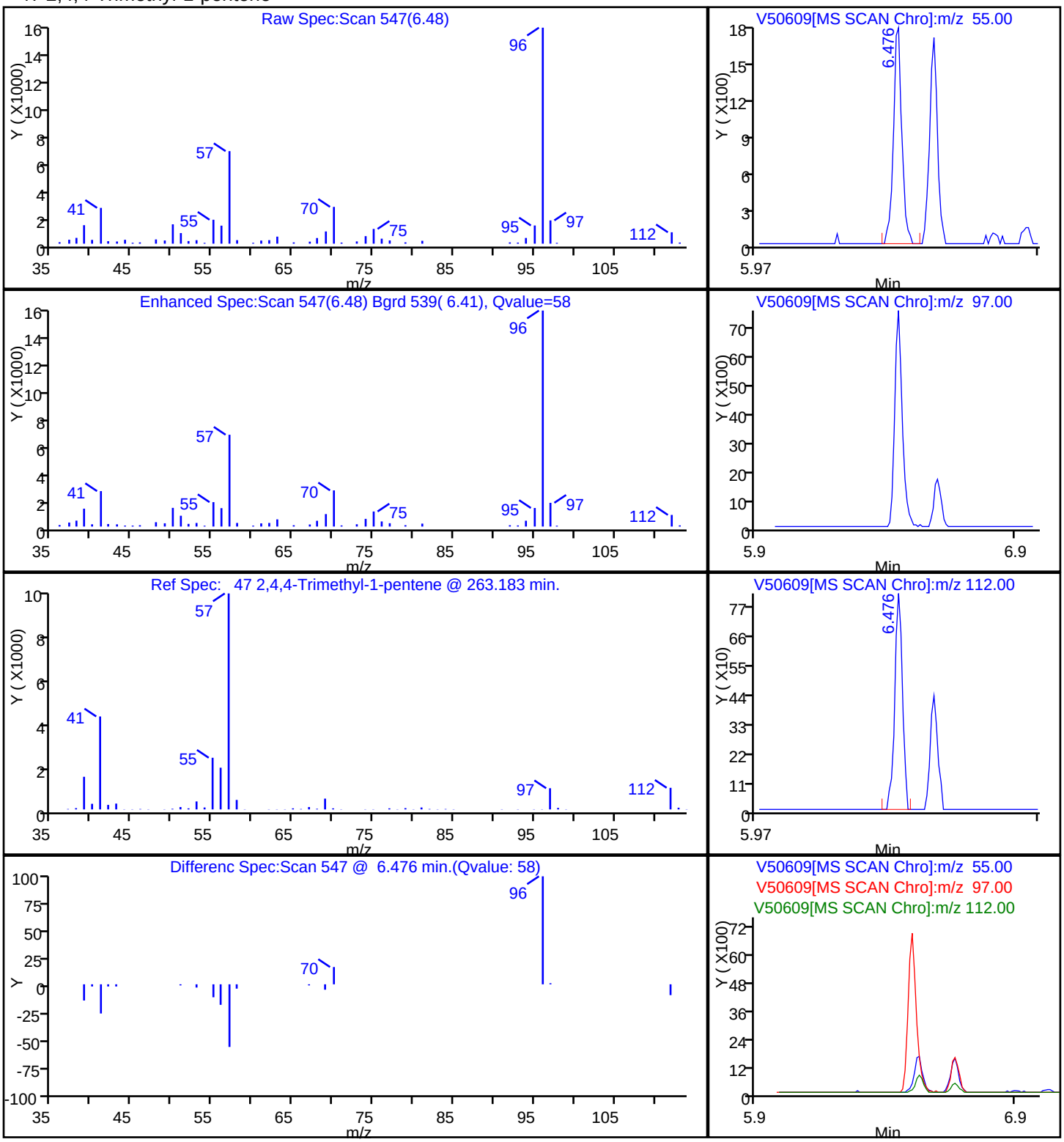
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 8

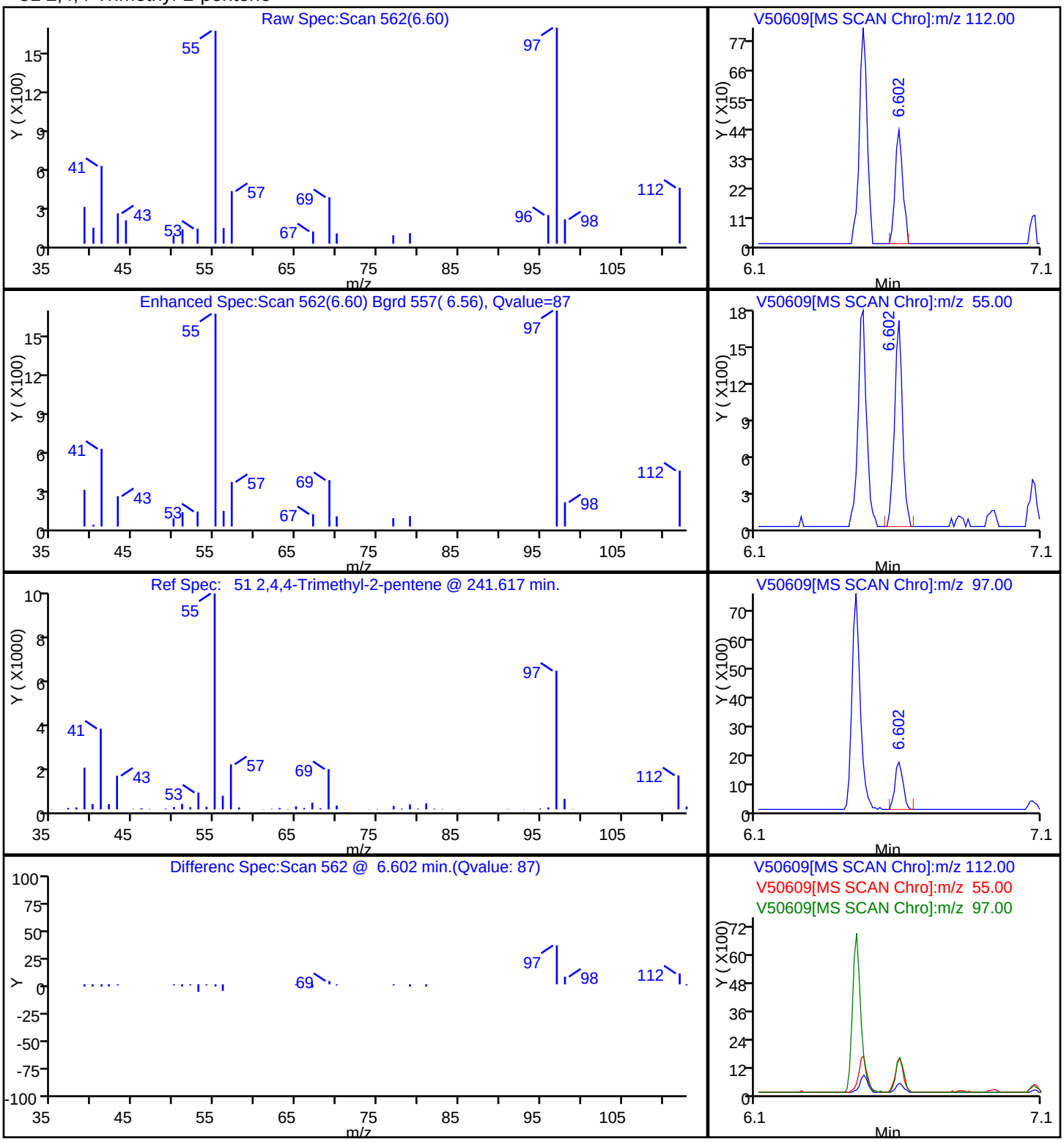
Operator ID: CR

47 2,4,4-Trimethyl-1-pentene



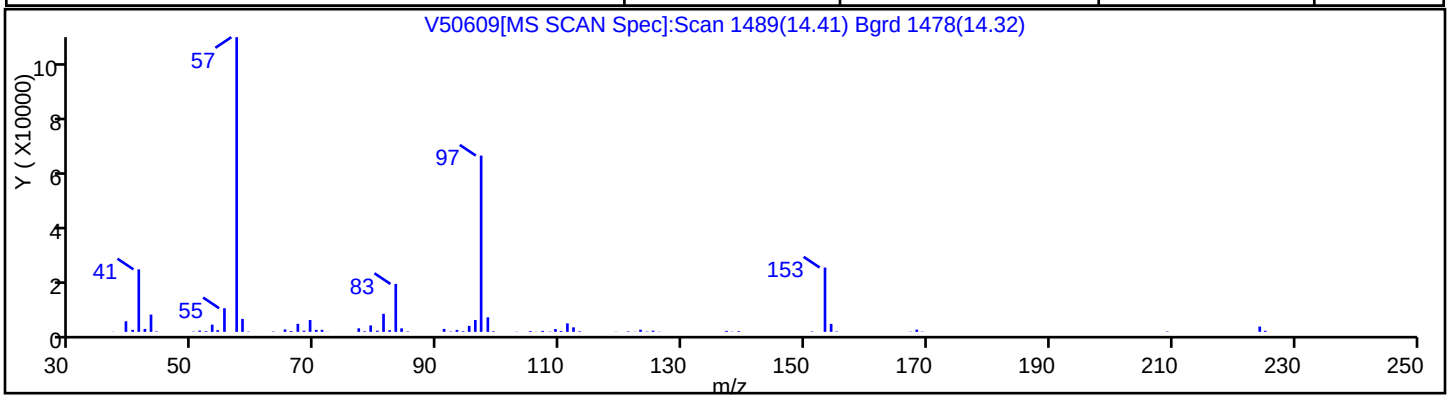
Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

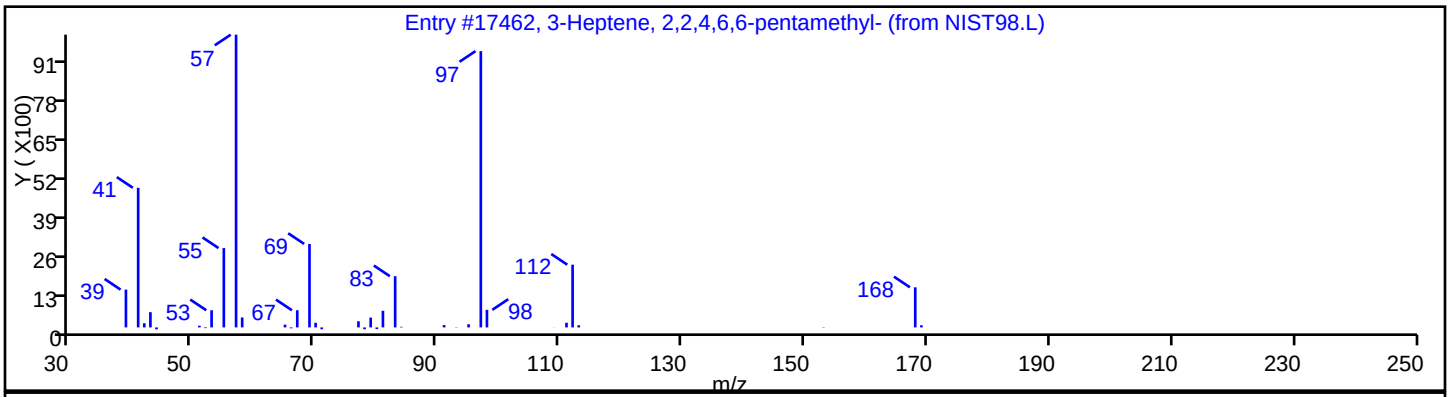
51 2,4,4-Trimethyl-2-pentene

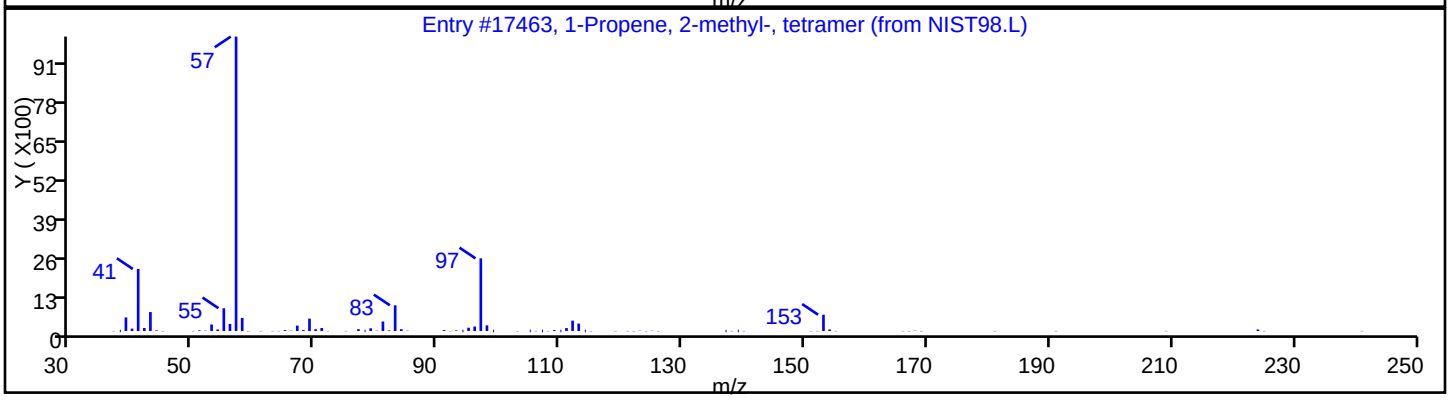


Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
3-Heptene, 2,2,4,6,6-pentamethyl-	123-48-8	NIST98.L	17462	53
1-Propene, 2-methyl-, tetramer	15220-85-6	NIST98.L	17463	52

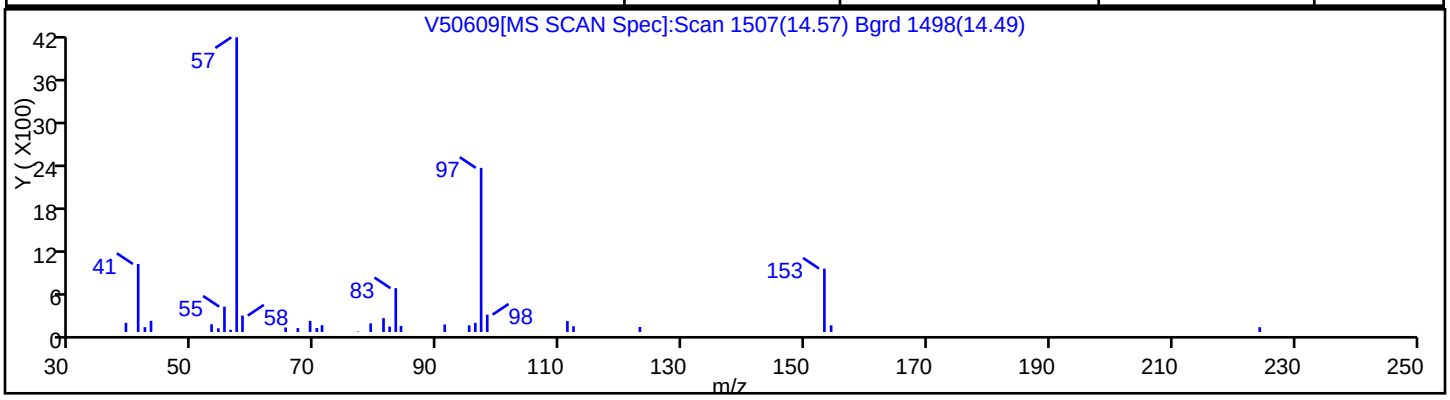


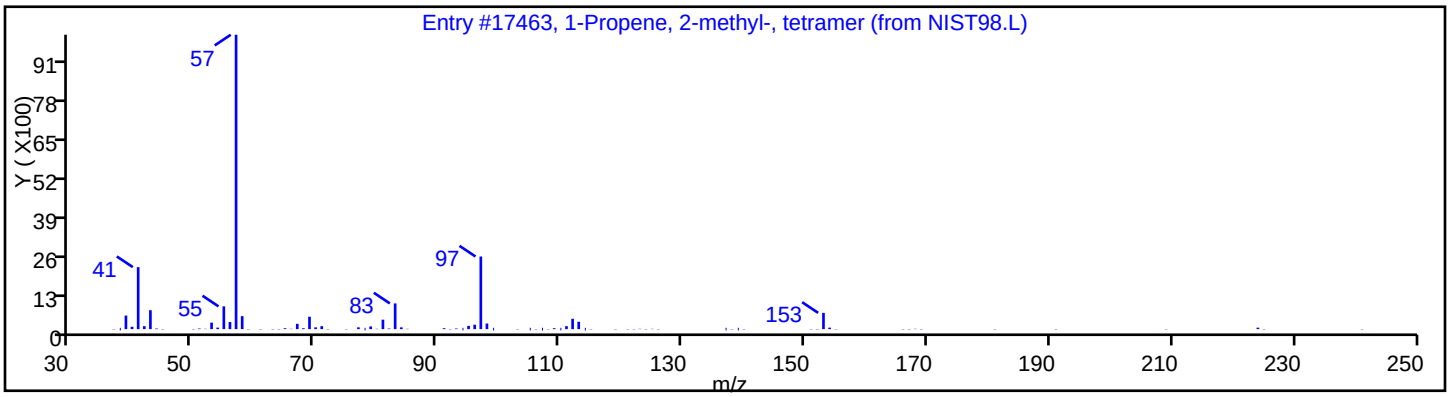




Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

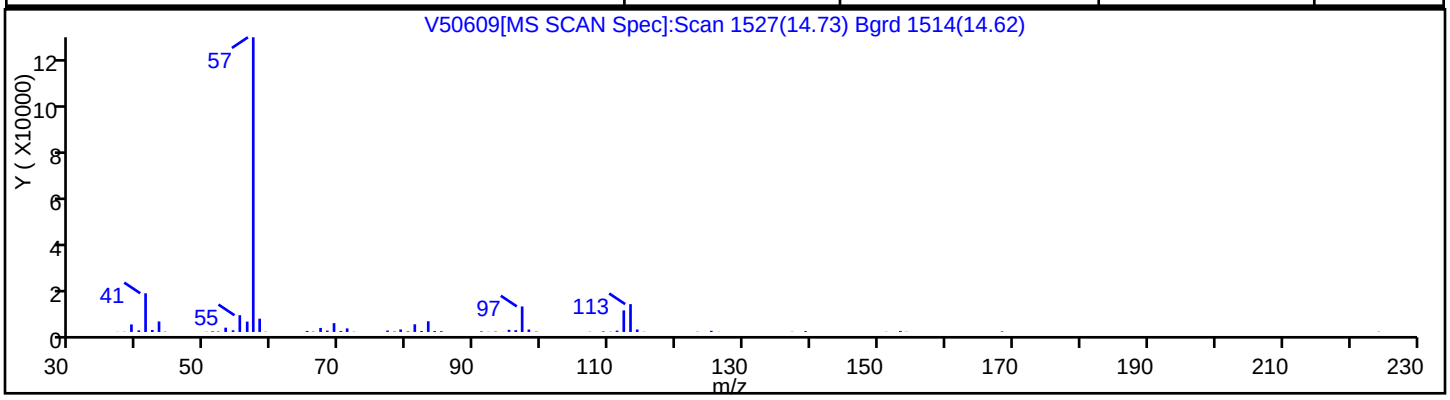
Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
1-Propene, 2-methyl-, tetramer	15220-85-6	NIST98.L	17463	64

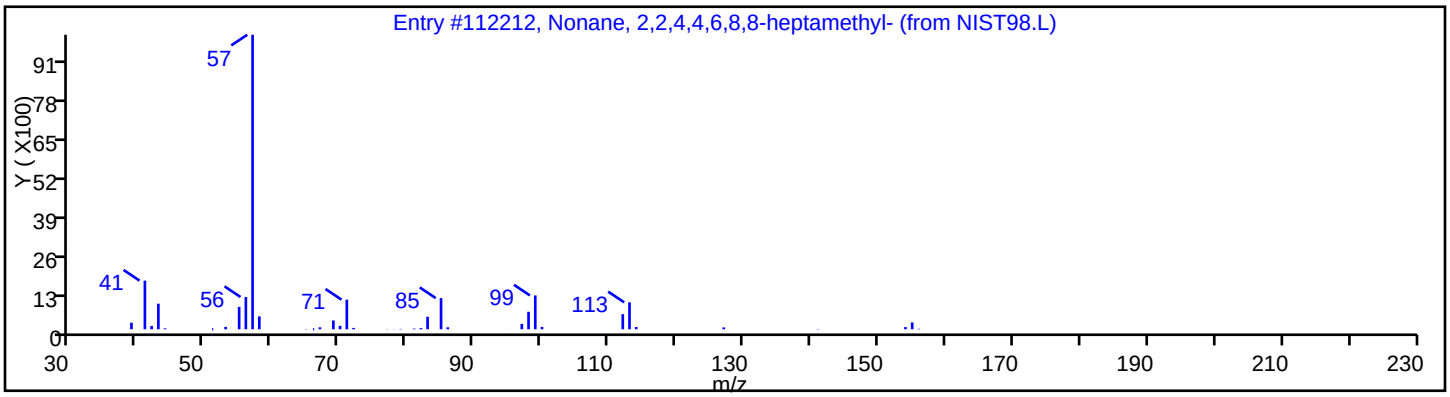




Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D
Injection Date: 17-Dec-2010 18:00:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-ISCO-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 8
Operator ID: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Nonane, 2,2,4,4,6,8,8-heptamethyl-	4390-4-9	NIST98.L	112212	56



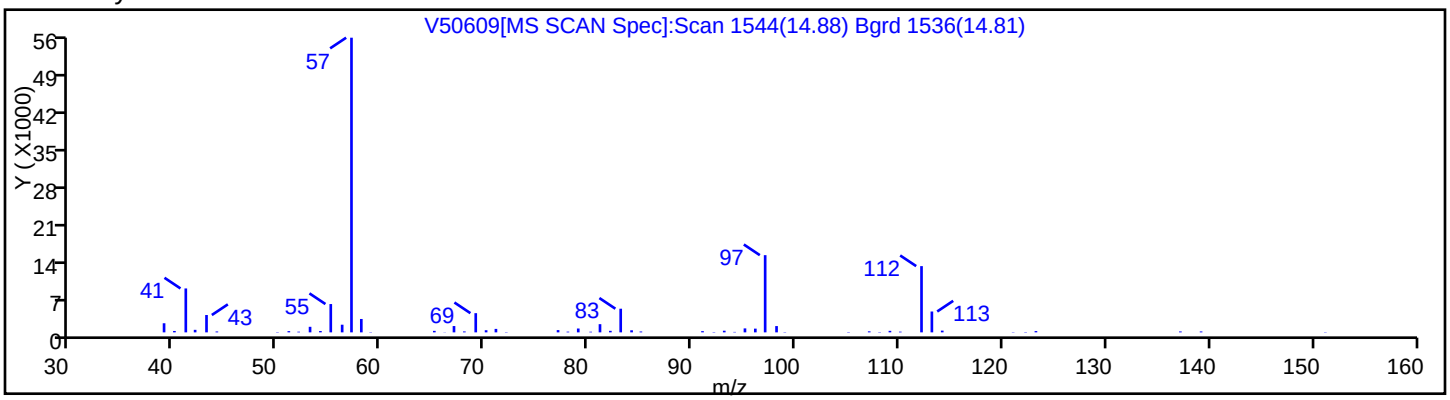


Report Date: 20-Dec-2010 09:58:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50609.D

Injection Date:	17-Dec-2010 18:00:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	8
Operator ID:	CR		

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: V50610.D

Analysis Method: 8260C | Date Collected: 12/09/2010 10:30

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 43.0 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		4.4	2.1
71-55-6	1,1,1-Trichloroethane	ND		4.4	3.5
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.4	1.7
79-00-5	1,1,2-Trichloroethane	ND		4.4	1.7
75-34-3	1,1-Dichloroethane	ND		4.4	3.3
75-35-4	1,1-Dichloroethene	ND		4.4	2.8
563-58-6	1,1-Dichloropropene	ND		4.4	2.6
87-61-6	1,2,3-Trichlorobenzene	ND		4.4	1.9
96-18-4	1,2,3-Trichloropropane	ND		4.4	2.1
120-82-1	1,2,4-Trichlorobenzene	ND		4.4	1.7
95-63-6	1,2,4-Trimethylbenzene	ND		4.4	2.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		44	4.9
95-50-1	1,2-Dichlorobenzene	ND		4.4	1.7
107-06-2	1,2-Dichloroethane	ND		4.4	1.7
78-87-5	1,2-Dichloropropane	ND		4.4	2.8
108-67-8	1,3,5-Trimethylbenzene	ND		4.4	2.6
541-73-1	1,3-Dichlorobenzene	ND		4.4	1.7
142-28-9	1,3-Dichloropropane	ND		4.4	2.0
106-46-7	1,4-Dichlorobenzene	ND		4.4	1.7
123-91-1	1,4-Dioxane	ND		440	170
594-20-7	2,2-Dichloropropane	ND		4.4	3.7
78-93-3	2-Butanone (MEK)	ND		44	19
95-49-8	2-Chlorotoluene	ND		4.4	2.3
591-78-6	2-Hexanone	ND		44	24
106-43-4	4-Chlorotoluene	ND		4.4	2.1
99-87-6	4-Isopropyltoluene	ND		4.4	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		44	18
67-64-1	Acetone	38	J B	440	30
71-43-2	Benzene	ND		4.4	2.8
108-86-1	Bromobenzene	ND		4.4	1.7
75-25-2	Bromoform	ND		4.4	2.8
74-83-9	Bromomethane	ND		8.7	4.0
75-15-0	Carbon disulfide	ND		4.4	3.3
56-23-5	Carbon tetrachloride	ND		4.4	3.0
108-90-7	Chlorobenzene	ND		4.4	2.1
74-97-5	Chlorobromomethane	ND		4.4	2.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: V50610.D

Analysis Method: 8260C | Date Collected: 12/09/2010 10:30

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 43.0 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		4.4	2.1
75-00-3	Chloroethane	ND		8.7	3.5
67-66-3	Chloroform	ND		4.4	2.6
74-87-3	Chloromethane	ND		8.7	2.8
156-59-2	cis-1,2-Dichloroethene	ND		4.4	2.1
10061-01-5	cis-1,3-Dichloropropene	ND		4.4	1.7
74-95-3	Dibromomethane	ND		4.4	2.2
75-27-4	Dichlorobromomethane	ND		4.4	2.2
75-71-8	Dichlorodifluoromethane	ND	*	8.7	3.7
60-29-7	Ethyl ether	ND		4.4	1.8
100-41-4	Ethylbenzene	ND		4.4	3.1
106-93-4	Ethylene Dibromide	ND		4.4	2.0
87-68-3	Hexachlorobutadiene	ND		4.4	2.6
108-20-3	Isopropyl ether	ND		4.4	2.0
98-82-8	Isopropylbenzene	ND		4.4	2.6
179601-23-1	m-Xylene & p-Xylene	ND		8.7	6.1
1634-04-4	Methyl tert-butyl ether	ND		4.4	2.6
75-09-2	Methylene Chloride	ND		17	17
104-51-8	n-Butylbenzene	ND		4.4	2.1
103-65-1	N-Propylbenzene	ND		4.4	3.0
91-20-3	Naphthalene	ND		44	4.0
95-47-6	o-Xylene	ND		4.4	2.3
135-98-8	sec-Butylbenzene	ND		4.4	2.4
100-42-5	Styrene	ND		4.4	1.7
994-05-8	Tert-amyl methyl ether	ND		4.4	2.6
637-92-3	Tert-butyl ethyl ether	ND		4.4	2.5
98-06-6	tert-Butylbenzene	ND		4.4	2.4
127-18-4	Tetrachloroethene	ND		4.4	3.1
109-99-9	Tetrahydrofuran	ND		44	22
108-88-3	Toluene	ND		4.4	3.1
156-60-5	trans-1,2-Dichloroethene	ND		4.4	2.8
10061-02-6	trans-1,3-Dichloropropene	ND		4.4	1.8
79-01-6	Trichloroethene	ND		4.4	3.7
75-69-4	Trichlorofluoromethane	ND		8.7	2.5
75-01-4	Vinyl chloride	ND		4.4	3.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		22	2.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: V50610.D

Analysis Method: 8260C | Date Collected: 12/09/2010 10:30

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 43.0 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		8.7	2.9
107-40-4	2,4,4-Trimethyl-2-pentene	ND		8.7	1.9
110-82-7	Cyclohexane	ND		44	1.7
79-20-9	Methyl acetate	ND		87	24
108-87-2	Methylcyclohexane	ND		4.4	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: V50610.D

Analysis Method: 8260C | Date Collected: 12/09/2010 10:30

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 43.0 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50610.D		
Lims ID:	360-31465-A-2-C	Client ID:	OC-SD-LB-1-XXX
Inject. Date:	17-Dec-2010 18:23:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-2		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67368	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 09:59:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.172	4.182	-0.010	93	1359	0.4164	
17 Acetone	43	4.223	4.224	-0.001	89	1761	4.36	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.773	5.783	-0.010	92	48243	19.6	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43		5.884					
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.228	6.230	-0.002	0	9409	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.448	6.449	-0.001	99	201496	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.669	7.671	-0.002	92	179941	20.2	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.858	8.867	-0.009	86	129625	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.785	9.794	-0.009	74	66913	20.3	
$ 124 BFB (tune)	95	9.785	9.830	-0.045	94	66913	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 Bromobenzene	77		9.878					
84 N-Propylbenzene	91		9.878					
85 1,1,2,2-Tetrachloroethane	83		9.929					
86 2-Chlorotoluene	91		10.013					
87 1,3,5-Trimethylbenzene	105		10.030					
88 1,2,3-Trichloropropane	110		10.047					
89 trans-1,4-Dichloro-2-butene	53		10.064					
90 4-Chlorotoluene	91		10.148					
91 tert-Butylbenzene	119		10.291					
92 1,2,4-Trimethylbenzene	105		10.435					
93 sec-Butylbenzene	105		10.435					
94 4-Isopropyltoluene	119		10.553					
95 1,3-Dichlorobenzene	146		10.645					
* 96 1,4-Dichlorobenzene-d4	115	10.703	10.704	-0.001	95	37325	20.0	
97 1,4-Dichlorobenzene	146		10.721					
98 n-Butylbenzene	91		10.932					
99 1,2-Dichlorobenzene	146		11.126					
100 1,2-Dibromo-3-Chloropropane	157		12.002					
101 1,3,5-Trichlorobenzene	180		12.036					
102 Hexachlorobutadiene	225		12.878					
103 1,2,4-Trichlorobenzene	180		12.937					
104 Naphthalene	128		13.477					
105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50610.D		
Lims ID:	360-31465-A-2-C	Client ID:	OC-SD-LB-1-XXX
Inject. Date:	17-Dec-2010 18:23:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-2		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67368	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 09:59:04

Calibrated Tentative Identified Compound Results

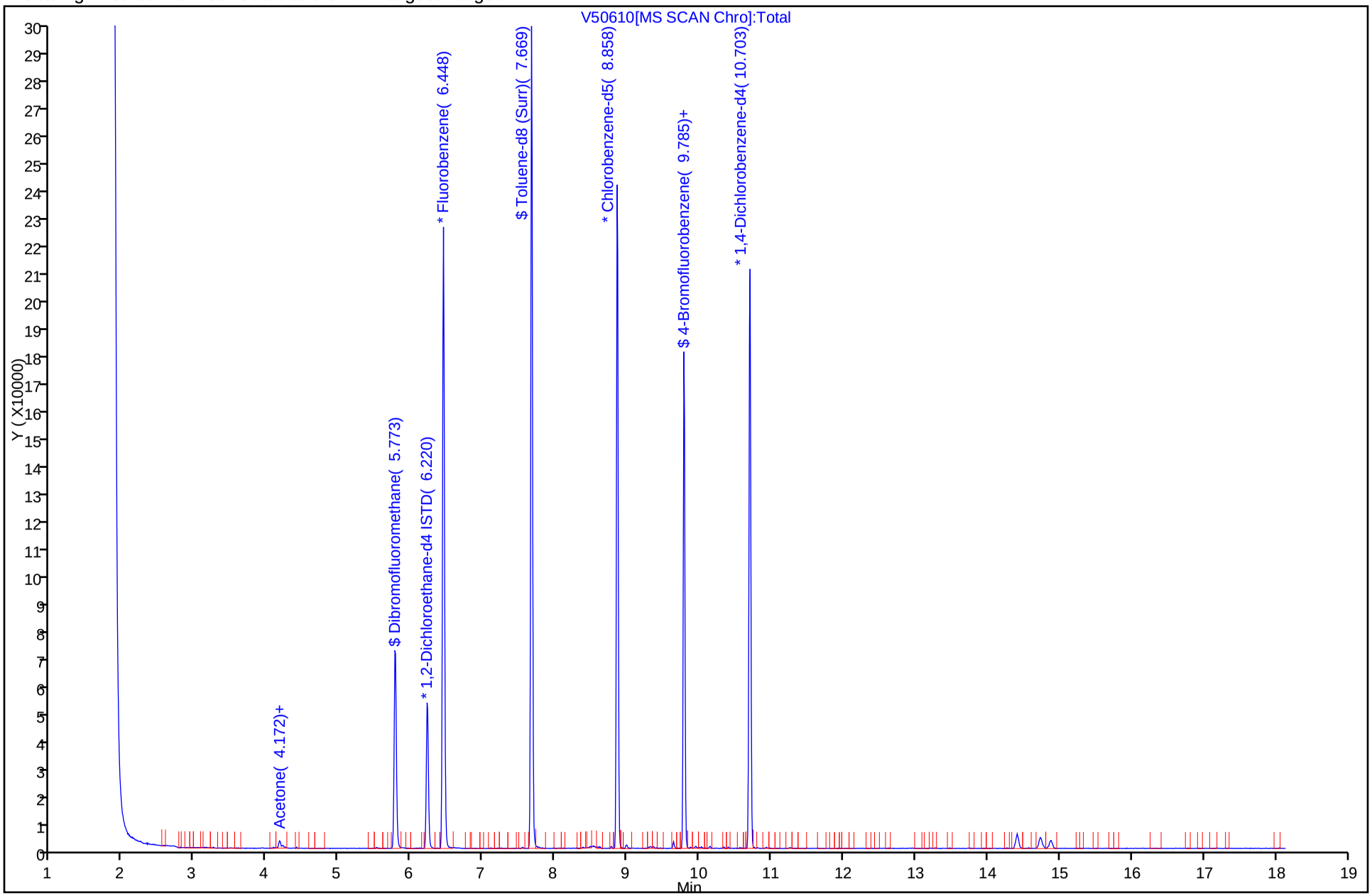
Compound	RT	Response	Amount ug/L	Flags
BFB	9.785	66829		

Report Date: 20-Dec-2010 09:59:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50610.D

Injection Date:	17-Dec-2010 18:23:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	9
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 09:59:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50610.D

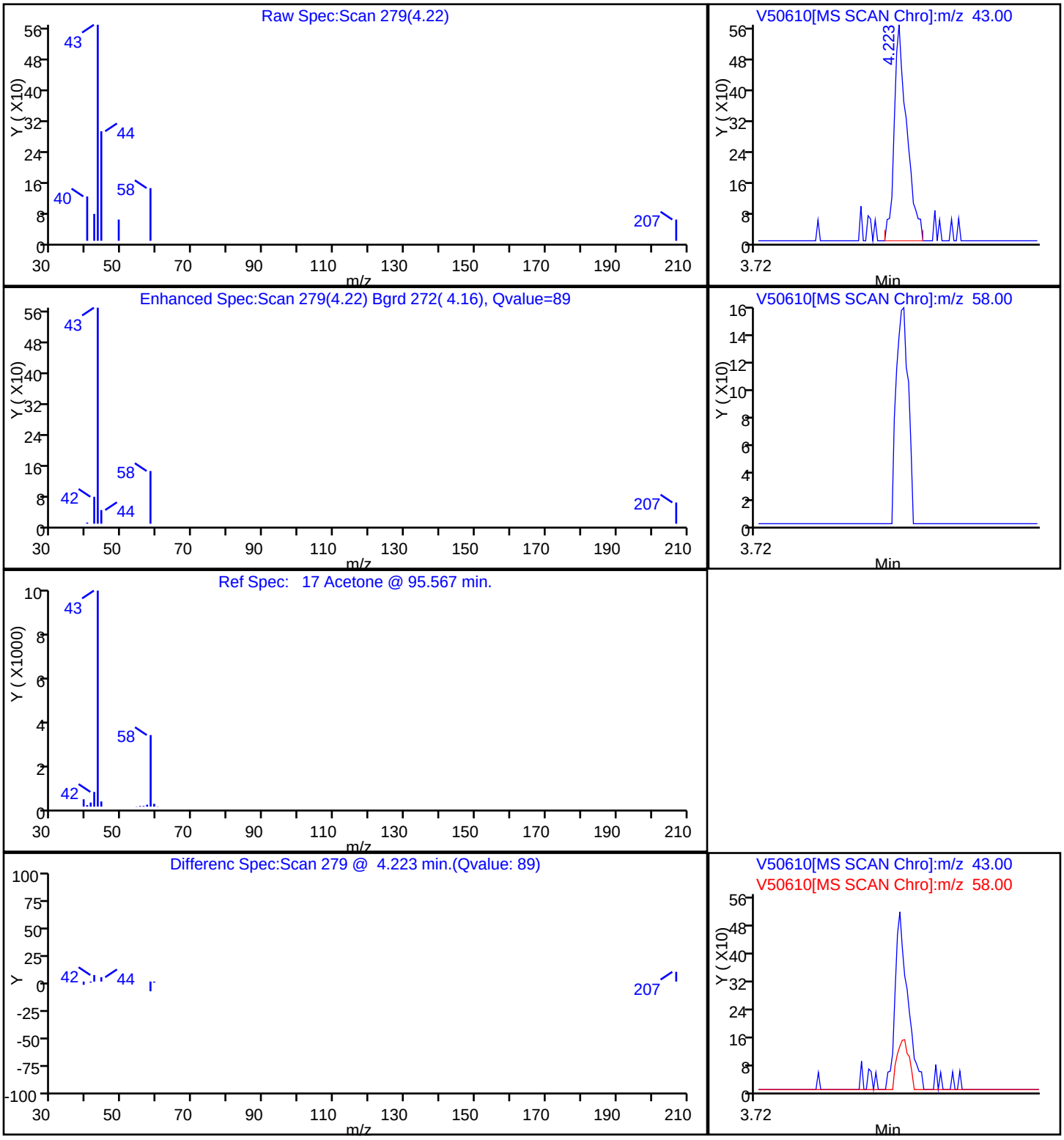
Injection Date: 17-Dec-2010 18:23:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-LB-1-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 9

Operator ID: CR

17 Acetone

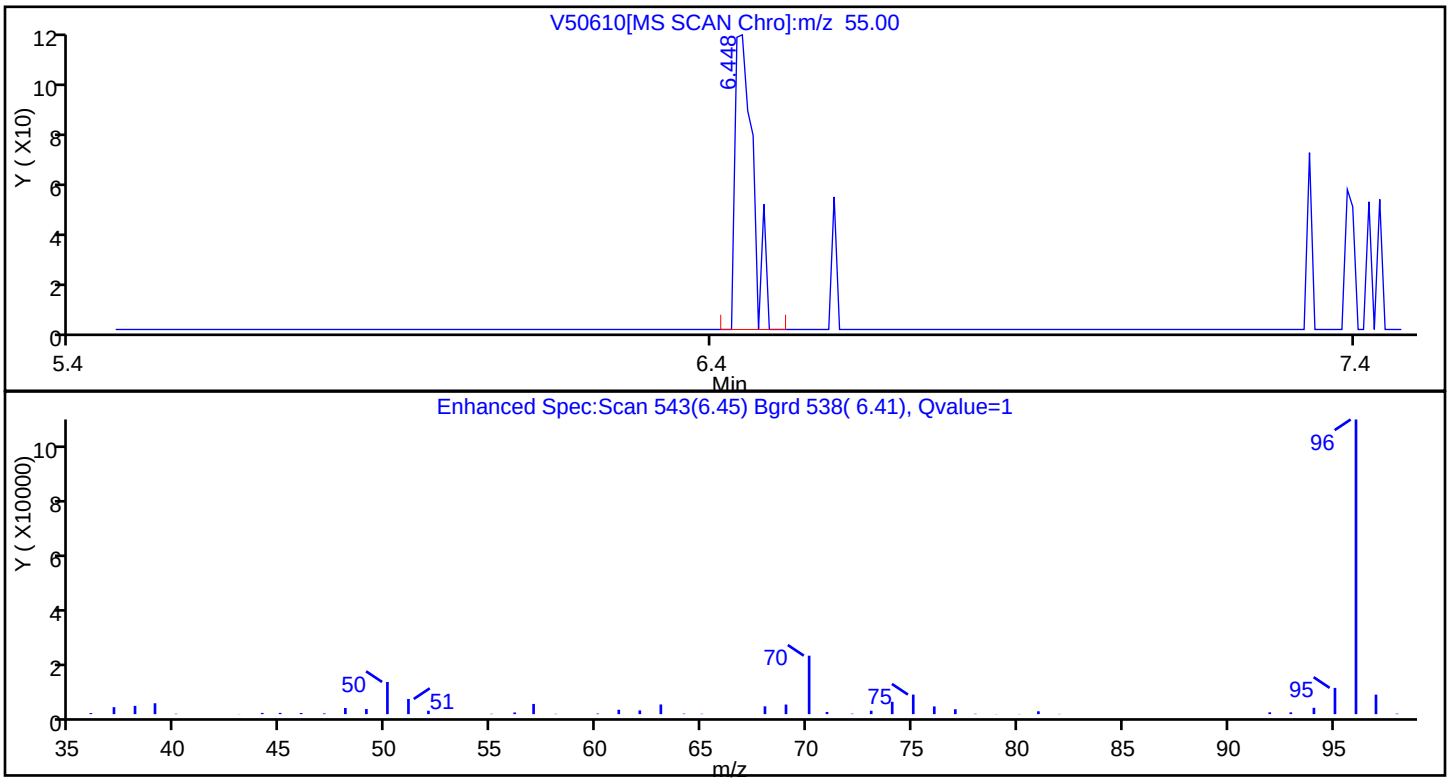


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50610.D		
Injection Date:	17-Dec-2010 18:23:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	9
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.45	55.00	232	0.082335
6.45	97.00	13164	

Reviewer: rouleauc, 20-Dec-2010 09:59:04
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: V50611.D

Analysis Method: 8260C | Date Collected: 12/09/2010 09:35

Sample wt/vol: 4.93(g) | Date Analyzed: 12/17/2010 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 49.2 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		5.0	2.4
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	2.0
79-00-5	1,1,2-Trichloroethane	ND		5.0	2.0
75-34-3	1,1-Dichloroethane	ND		5.0	3.8
75-35-4	1,1-Dichloroethene	ND		5.0	3.2
563-58-6	1,1-Dichloropropene	ND		5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	ND		5.0	2.2
96-18-4	1,2,3-Trichloropropane	ND		5.0	2.4
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.0
95-63-6	1,2,4-Trimethylbenzene	ND		5.0	2.8
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	5.6
95-50-1	1,2-Dichlorobenzene	ND		5.0	2.0
107-06-2	1,2-Dichloroethane	ND		5.0	2.0
78-87-5	1,2-Dichloropropane	ND		5.0	3.2
108-67-8	1,3,5-Trimethylbenzene	ND		5.0	3.0
541-73-1	1,3-Dichlorobenzene	ND		5.0	2.0
142-28-9	1,3-Dichloropropane	ND		5.0	2.3
106-46-7	1,4-Dichlorobenzene	ND		5.0	2.0
123-91-1	1,4-Dioxane	ND		500	200
594-20-7	2,2-Dichloropropane	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	22
95-49-8	2-Chlorotoluene	ND		5.0	2.6
591-78-6	2-Hexanone	ND		50	28
106-43-4	4-Chlorotoluene	ND		5.0	2.4
99-87-6	4-Isopropyltoluene	ND		5.0	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	20
67-64-1	Acetone	79	J B	500	34
71-43-2	Benzene	ND		5.0	3.2
108-86-1	Bromobenzene	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	3.2
74-83-9	Bromomethane	ND		10	4.6
75-15-0	Carbon disulfide	ND		5.0	3.8
56-23-5	Carbon tetrachloride	ND		5.0	3.4
108-90-7	Chlorobenzene	ND		5.0	2.4
74-97-5	Chlorobromomethane	ND		5.0	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: V50611.D

Analysis Method: 8260C | Date Collected: 12/09/2010 09:35

Sample wt/vol: 4.93(g) | Date Analyzed: 12/17/2010 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 49.2 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		5.0	2.4
75-00-3	Chloroethane	ND		10	4.0
67-66-3	Chloroform	ND		5.0	3.0
74-87-3	Chloromethane	ND		10	3.2
156-59-2	cis-1,2-Dichloroethene	ND		5.0	2.4
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	2.0
74-95-3	Dibromomethane	ND		5.0	2.5
75-27-4	Dichlorobromomethane	ND		5.0	2.6
75-71-8	Dichlorodifluoromethane	ND	*	10	4.2
60-29-7	Ethyl ether	ND		5.0	2.1
100-41-4	Ethylbenzene	ND		5.0	3.6
106-93-4	Ethylene Dibromide	ND		5.0	2.2
87-68-3	Hexachlorobutadiene	ND		5.0	3.0
108-20-3	Isopropyl ether	ND		5.0	2.2
98-82-8	Isopropylbenzene	ND		5.0	3.0
179601-23-1	m-Xylene & p-Xylene	ND		10	7.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	3.0
75-09-2	Methylene Chloride	ND		20	20
104-51-8	n-Butylbenzene	ND		5.0	2.4
103-65-1	N-Propylbenzene	ND		5.0	3.4
91-20-3	Naphthalene	ND		50	4.6
95-47-6	o-Xylene	ND		5.0	2.6
135-98-8	sec-Butylbenzene	ND		5.0	2.8
100-42-5	Styrene	ND		5.0	2.0
994-05-8	Tert-amyl methyl ether	ND		5.0	3.0
637-92-3	Tert-butyl ethyl ether	ND		5.0	2.9
98-06-6	tert-Butylbenzene	ND		5.0	2.8
127-18-4	Tetrachloroethene	ND		5.0	3.6
109-99-9	Tetrahydrofuran	ND		50	25
108-88-3	Toluene	ND		5.0	3.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	3.2
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.1
79-01-6	Trichloroethene	ND		5.0	4.2
75-69-4	Trichlorofluoromethane	ND		10	2.8
75-01-4	Vinyl chloride	ND		5.0	3.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	2.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: V50611.D

Analysis Method: 8260C | Date Collected: 12/09/2010 09:35

Sample wt/vol: 4.93(g) | Date Analyzed: 12/17/2010 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 49.2 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		10	3.3
107-40-4	2,4,4-Trimethyl-2-pentene	ND		10	2.2
110-82-7	Cyclohexane	ND		50	2.0
79-20-9	Methyl acetate	ND		100	28
108-87-2	Methylcyclohexane	ND		5.0	3.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: V50611.D

Analysis Method: 8260C | Date Collected: 12/09/2010 09:35

Sample wt/vol: 4.93(g) | Date Analyzed: 12/17/2010 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 49.2 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50611.D
Lims ID: 360-31465-A-3-C
Client ID: OC-SD-LB-2-XXX
Inject. Date: 17-Dec-2010 18:47:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-3
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 11
Lims Batch ID: 67368
Lims Sample ID: 10
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 09:59:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					U
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.172	4.182	-0.010	89	1698	0.5080	
17 Acetone	43	4.231	4.224	0.007	94	3271	7.91	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73	4.442	4.443	-0.001	89	782	0.1300	
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.774	5.783	-0.009	92	49309	19.5	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.892	5.884	0.008	70	727	1.13	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.220	6.230	-0.010	0	9523	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.448	6.449	-0.001	99	206370	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.670	7.671	-0.001	92	184247	20.1	
61 Toluene	92	7.712	7.713	-0.001	85	748	0.1095	
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.858	8.867	-0.009	86	131969	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.785	9.794	-0.009	76	67754	20.2	
$ 124 BFB (tune)	95	9.785	9.830	-0.045	95	67754	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.703	10.704	-0.001	95	37098	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50611.D		
Lims ID:	360-31465-A-3-C	Client ID:	OC-SD-LB-2-XXX
Inject. Date:	17-Dec-2010 18:47:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-3		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	67368	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 09:59:31

Calibrated Tentative Identified Compound Results

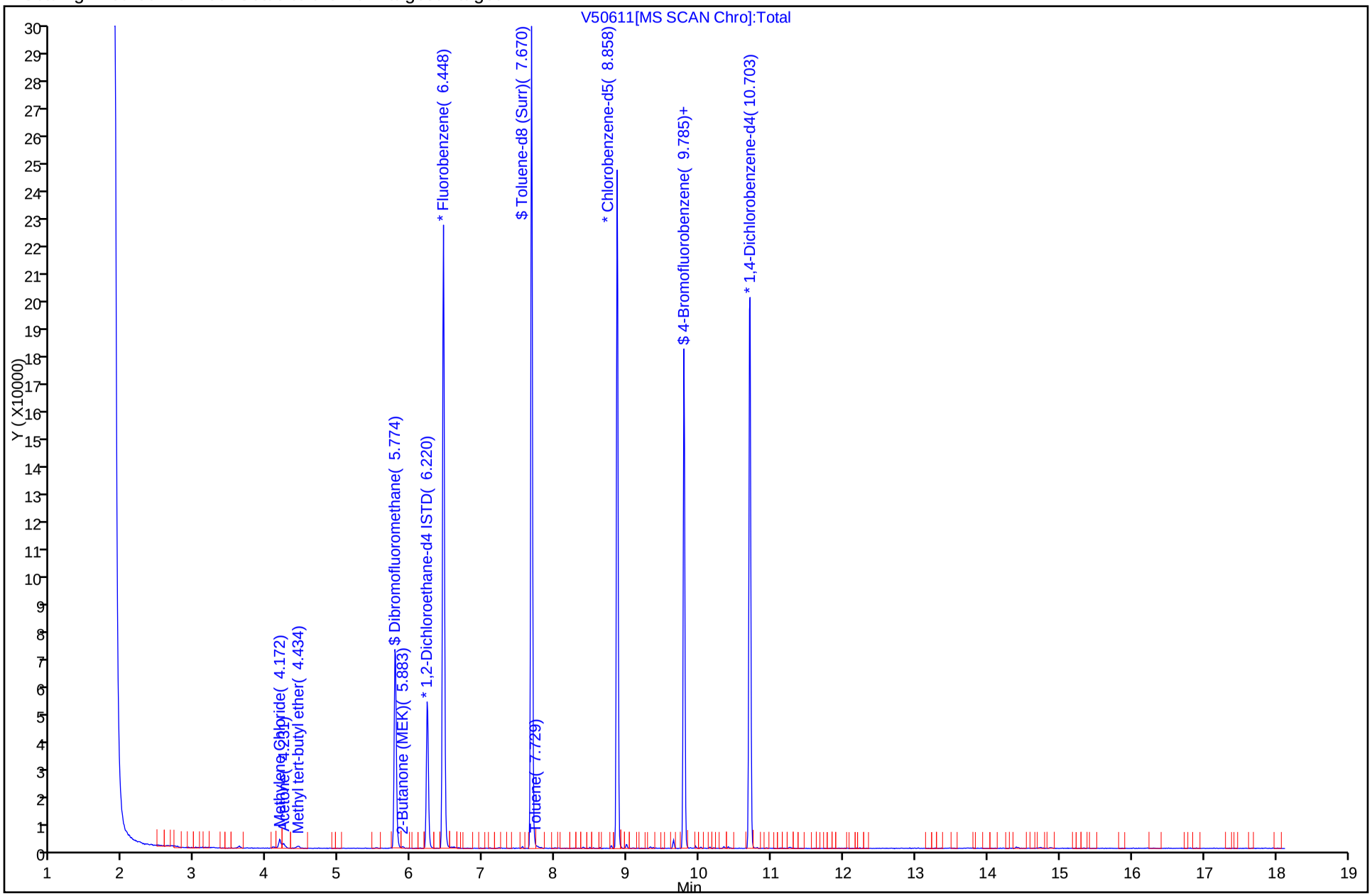
Compound	RT	Response	Amount ug/L	Flags
BFB	9.785	67711		

Report Date: 20-Dec-2010 09:59:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50611.D

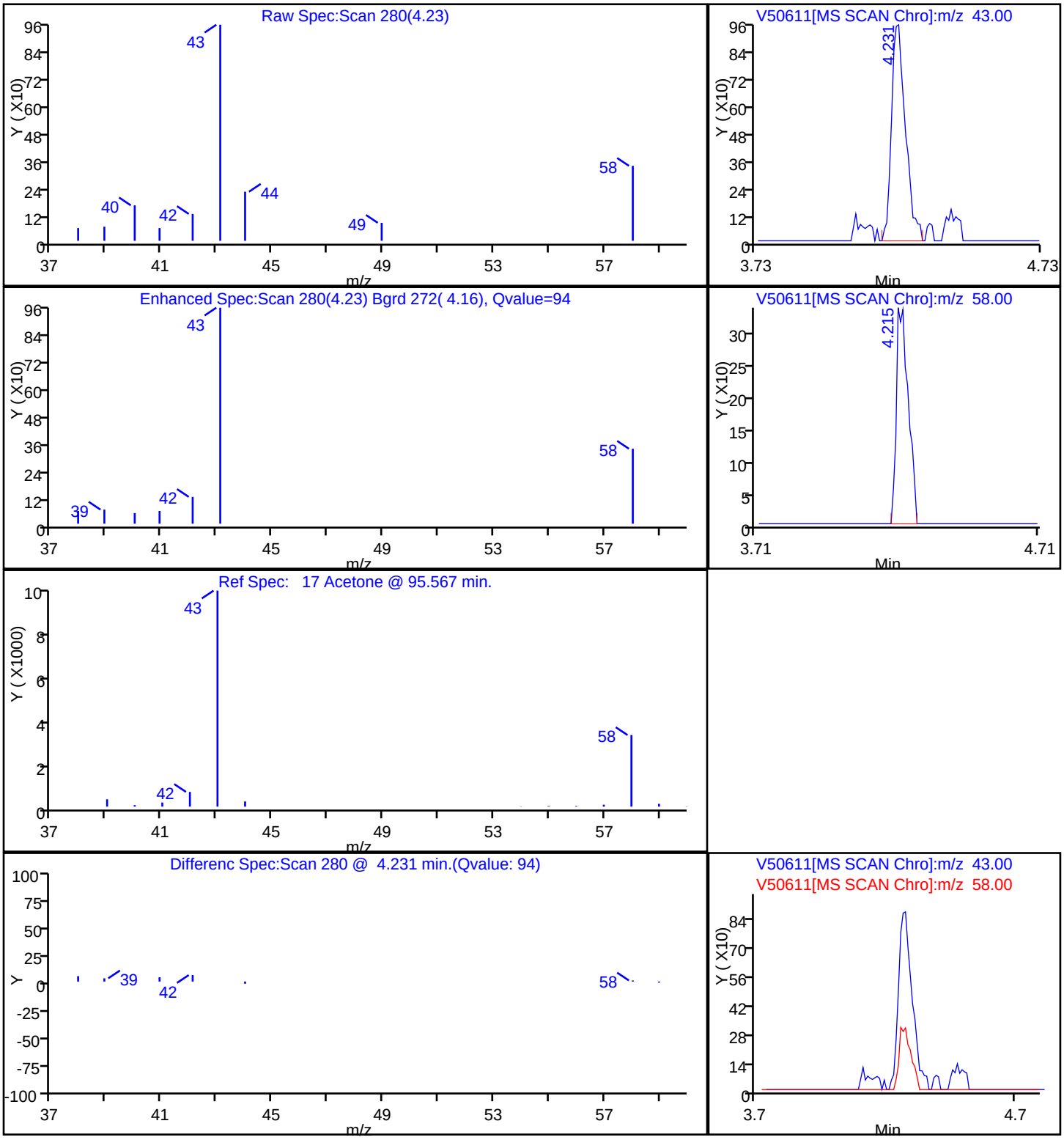
Injection Date:	17-Dec-2010 18:47:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	10
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 09:59:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50611.D
Injection Date: 17-Dec-2010 18:47:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 10
Operator ID: CR

17 Acetone

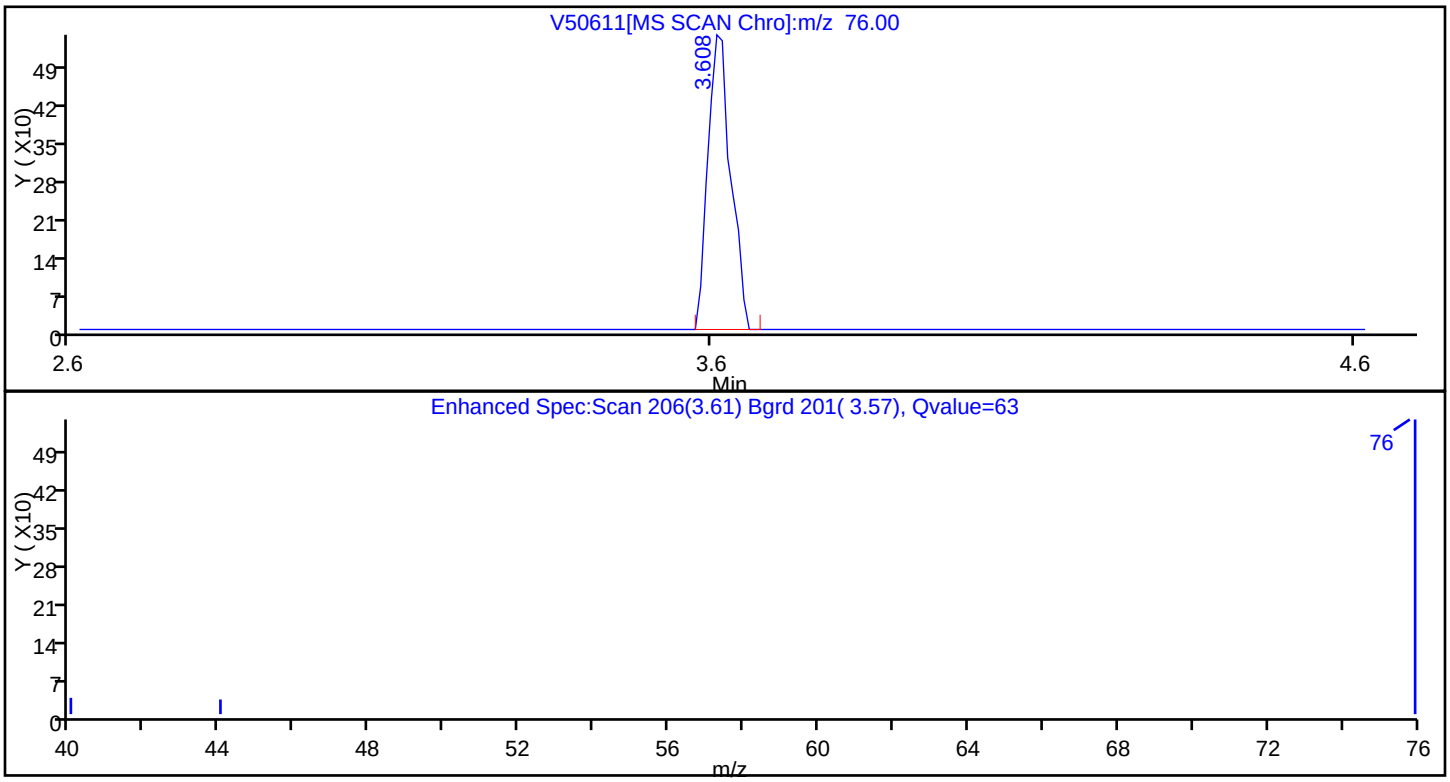


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50611.D		
Injection Date:	17-Dec-2010 18:47:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	10
Operator ID:	CR		

10 Carbon disulfide

Processing Results



RT	Mass	Response	Amount
3.61	76.00	1341	0.116988
3.60	78.00	115	

Reviewer: rouleauc, 20-Dec-2010 09:59:31
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: V50625.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 4.60(g) | Date Analyzed: 12/18/2010 00:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 56.5 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.2	3.0
71-55-6	1,1,1-Trichloroethane	ND		6.2	5.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.2	2.5
79-00-5	1,1,2-Trichloroethane	ND		6.2	2.5
75-34-3	1,1-Dichloroethane	ND		6.2	4.7
75-35-4	1,1-Dichloroethene	ND		6.2	4.0
563-58-6	1,1-Dichloropropene	ND		6.2	3.7
87-61-6	1,2,3-Trichlorobenzene	ND		6.2	2.7
96-18-4	1,2,3-Trichloropropane	ND		6.2	3.0
120-82-1	1,2,4-Trichlorobenzene	ND		6.2	2.5
95-63-6	1,2,4-Trimethylbenzene	ND		6.2	3.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		62	7.0
95-50-1	1,2-Dichlorobenzene	31		6.2	2.5
107-06-2	1,2-Dichloroethane	ND		6.2	2.5
78-87-5	1,2-Dichloropropane	ND		6.2	4.0
108-67-8	1,3,5-Trimethylbenzene	ND		6.2	3.7
541-73-1	1,3-Dichlorobenzene	ND		6.2	2.5
142-28-9	1,3-Dichloropropane	ND		6.2	2.8
106-46-7	1,4-Dichlorobenzene	ND		6.2	2.5
123-91-1	1,4-Dioxane	ND		620	250
594-20-7	2,2-Dichloropropane	ND		6.2	5.2
78-93-3	2-Butanone (MEK)	69		62	27
95-49-8	2-Chlorotoluene	ND		6.2	3.2
591-78-6	2-Hexanone	ND		62	35
106-43-4	4-Chlorotoluene	ND		6.2	3.0
99-87-6	4-Isopropyltoluene	ND		6.2	3.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		62	25
67-64-1	Acetone	300	J B	620	43
71-43-2	Benzene	ND		6.2	4.0
108-86-1	Bromobenzene	ND		6.2	2.5
75-25-2	Bromoform	ND		6.2	4.0
74-83-9	Bromomethane	ND		12	5.7
75-15-0	Carbon disulfide	ND		6.2	4.7
56-23-5	Carbon tetrachloride	ND		6.2	4.2
108-90-7	Chlorobenzene	59		6.2	3.0
74-97-5	Chlorobromomethane	ND		6.2	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: V50625.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 4.60(g) | Date Analyzed: 12/18/2010 00:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 56.5 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		6.2	3.0
75-00-3	Chloroethane	ND		12	5.0
67-66-3	Chloroform	ND		6.2	3.7
74-87-3	Chloromethane	ND		12	4.0
156-59-2	cis-1,2-Dichloroethene	ND		6.2	2.9
10061-01-5	cis-1,3-Dichloropropene	ND		6.2	2.5
74-95-3	Dibromomethane	ND		6.2	3.1
75-27-4	Dichlorobromomethane	ND		6.2	3.2
75-71-8	Dichlorodifluoromethane	ND	*	12	5.2
60-29-7	Ethyl ether	ND		6.2	2.6
100-41-4	Ethylbenzene	ND		6.2	4.5
106-93-4	Ethylene Dibromide	ND		6.2	2.8
87-68-3	Hexachlorobutadiene	ND		6.2	3.7
108-20-3	Isopropyl ether	ND		6.2	2.8
98-82-8	Isopropylbenzene	ND		6.2	3.7
179601-23-1	m-Xylene & p-Xylene	ND		12	8.7
1634-04-4	Methyl tert-butyl ether	ND		6.2	3.7
75-09-2	Methylene Chloride	ND		25	24
104-51-8	n-Butylbenzene	ND		6.2	3.0
103-65-1	N-Propylbenzene	ND		6.2	4.2
91-20-3	Naphthalene	ND		62	5.7
95-47-6	o-Xylene	ND		6.2	3.2
135-98-8	sec-Butylbenzene	4.6	J	6.2	3.5
100-42-5	Styrene	ND		6.2	2.5
994-05-8	Tert-amyl methyl ether	ND		6.2	3.7
637-92-3	Tert-butyl ethyl ether	ND		6.2	3.6
98-06-6	tert-Butylbenzene	ND		6.2	3.5
127-18-4	Tetrachloroethene	ND		6.2	4.5
109-99-9	Tetrahydrofuran	ND		62	31
108-88-3	Toluene	ND		6.2	4.5
156-60-5	trans-1,2-Dichloroethene	ND		6.2	4.0
10061-02-6	trans-1,3-Dichloropropene	ND		6.2	2.6
79-01-6	Trichloroethene	ND		6.2	5.2
75-69-4	Trichlorofluoromethane	ND		12	3.5
75-01-4	Vinyl chloride	ND		6.2	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		31	3.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: V50625.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 4.60(g) | Date Analyzed: 12/18/2010 00:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 56.5 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		12	4.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		12	2.7
110-82-7	Cyclohexane	ND		62	2.5
79-20-9	Methyl acetate	ND		120	35
108-87-2	Methylcyclohexane	ND		6.2	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
1868-53-7	Dibromofluoromethane	100		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: V50625.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 4.60(g) | Date Analyzed: 12/18/2010 00:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 56.5 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 532

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	11.03	41	T J
	Unknown	11.42	96	T J
2958-75-0	1-Methyldecahydronaphthalene	11.63	43	T J N
	Unknown	12.03	41	T J
	Unknown	12.16	68	T J
	Unknown	12.78	68	T J
	Unknown	13.02	53	T J
	Unknown	13.46	52	T J
	Unknown	13.64	33	T J
	Unknown	13.75	37	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Lims ID:	360-31465-A-4-C	Client ID:	OC-SD-LB-3-XXX
Inject. Date:	18-Dec-2010 00:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-4		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	67368	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:13:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76	3.604	3.617	-0.013	53	1202	0.1114	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.177	4.182	-0.005	93	1806	0.5742	
17 Acetone	43	4.219	4.224	-0.005	100	9321	24.0	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					U
20 Hexane	57	4.413	4.418	-0.005	85	599	0	
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					U
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.778	5.783	-0.005	81	47553	20.0	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.879	5.884	-0.005	99	3368	5.54	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78	6.115	6.120	-0.005	98	3321	0.2808	
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.225	6.230	-0.005	0	9062	20.0	
45 1,2-Dichloroethane	62		6.280					U
* 46 Fluorobenzene	96	6.444	6.449	-0.005	99	194176	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83	6.579	6.583	-0.004	89	718	0.1318	
51 2,4,4-Trimethyl-2-pentene	112		6.609					U
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.666	7.671	-0.005	92	174855	20.3	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.854	8.867	-0.013	87	126573	20.0	
73 Chlorobenzene	112	8.871	8.876	-0.005	64	29527	4.71	
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105	9.553	9.567	-0.014	95	3092	0.2355	
$ 82 4-Bromofluorobenzene	95	9.781	9.794	-0.013	74	65707	20.4	
$ 124 BFB (tune)	95	9.781	9.830	-0.049	94	65707	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91	9.874	9.878	-0.004	83	1703	0.1095	
	85 1,1,2,2-Tetrachloroethane	83		9.929					U
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					U
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119	10.287	10.291	-0.005	96	1616	0.1801	
	92 1,2,4-Trimethylbenzene	105		10.435					U
	93 sec-Butylbenzene	105	10.430	10.435	-0.005	78	5310	0.3656	
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146	10.632	10.645	-0.013	90	1009	0.1937	
*	96 1,4-Dichlorobenzene-d4	115	10.699	10.704	-0.005	96	35196	20.0	
	97 1,4-Dichlorobenzene	146		10.721					UA
	98 n-Butylbenzene	91	10.927	10.932	-0.005	64	2285	0.2076	
	99 1,2-Dichlorobenzene	146	11.121	11.126	-0.005	98	10394	2.47	
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					U
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Lims ID:	360-31465-A-4-C	Client ID:	OC-SD-LB-3-XXX
Inject. Date:	18-Dec-2010 00:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-4		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	67368	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:13:52

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
11.028	66950	3.32	46			
		Unknown				
11.416	155718	7.72	46			
2958-75-0		1-Methyldecahydronaphthalene				
11.626	69335	3.44	46	89	2397	
		Unknown				
12.031	66766	3.31	46			
		Unknown				
12.157	110158	5.46	46	0	0	
		Unknown				
12.781	110407	5.47	46	0	0	
		Unknown				
13.017	85969	4.26	46	0	0	
		Unknown				
13.463	84155	4.17	46			
		Unknown				
13.640	53888	2.67	46			
		Unknown				
13.750	60236	2.98	46			

Quantitation Compounds

Compound	RT	Response	Amount ug/L

Compound	RT	Response	Amount ug/L
* 46 Fluorobenzene	6.444	403601	20.0

QC Flag Legend

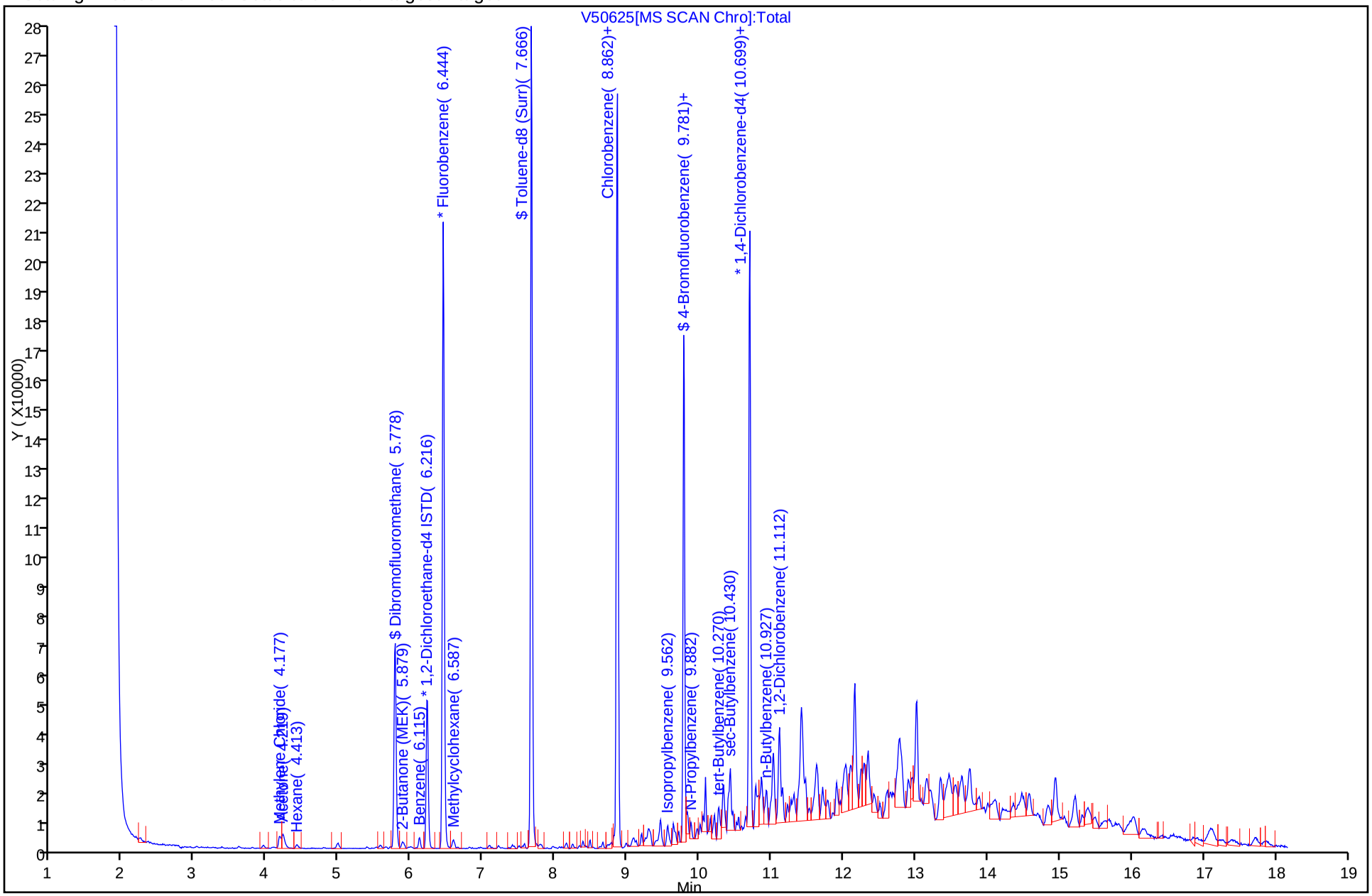
Processing Flags

Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

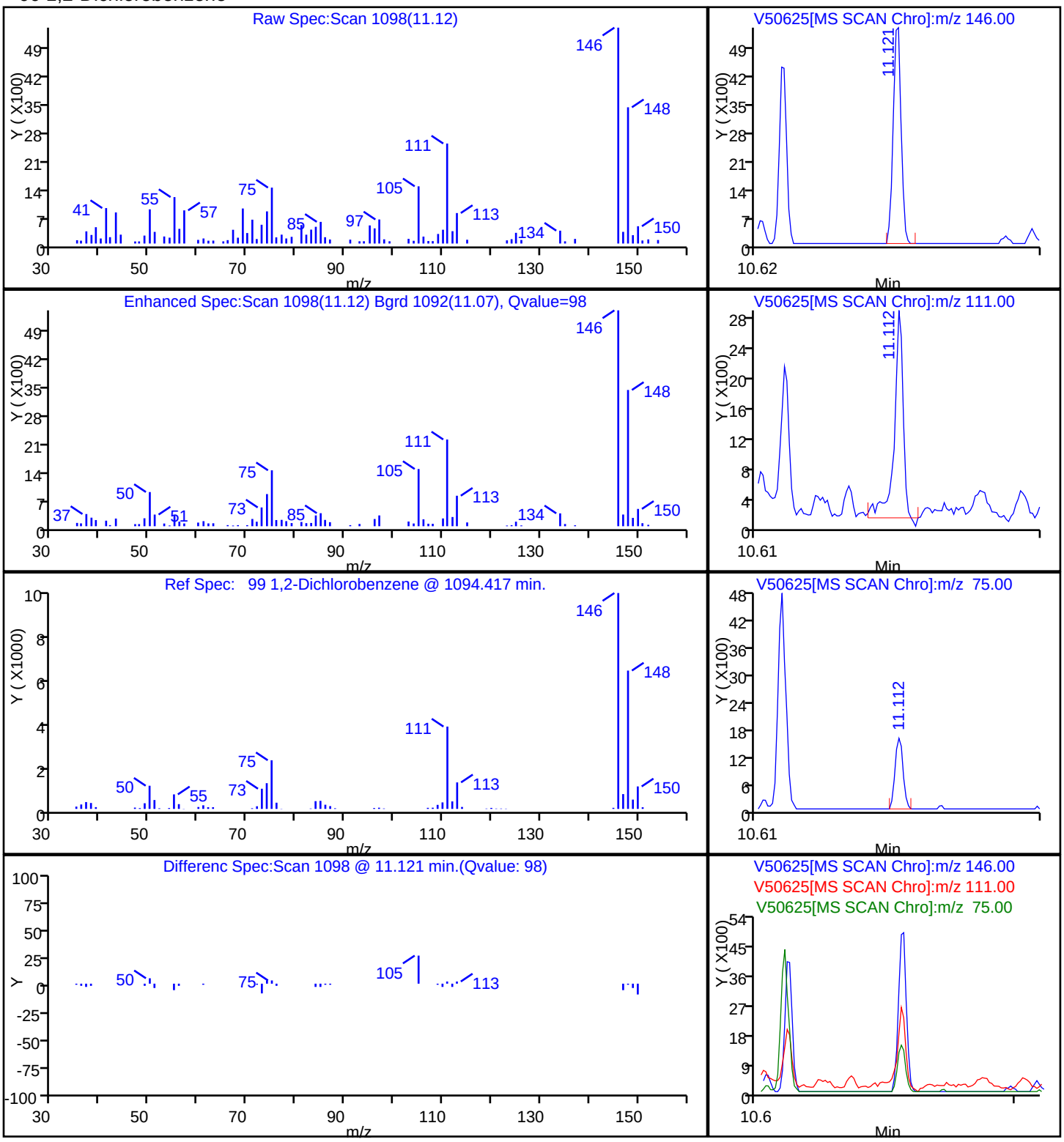
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



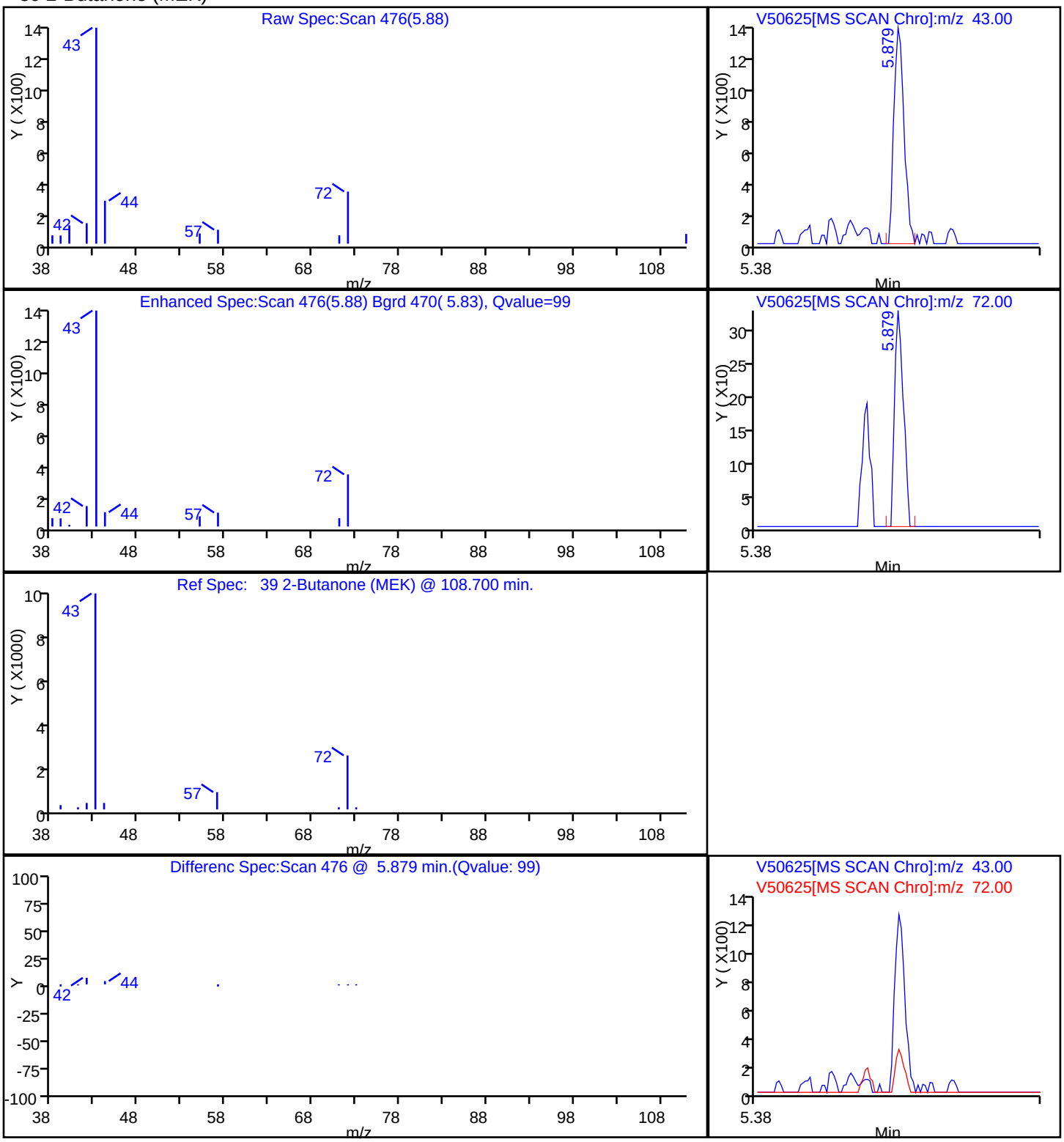
Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

99 1,2-Dichlorobenzene



Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

39 2-Butanone (MEK)



Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

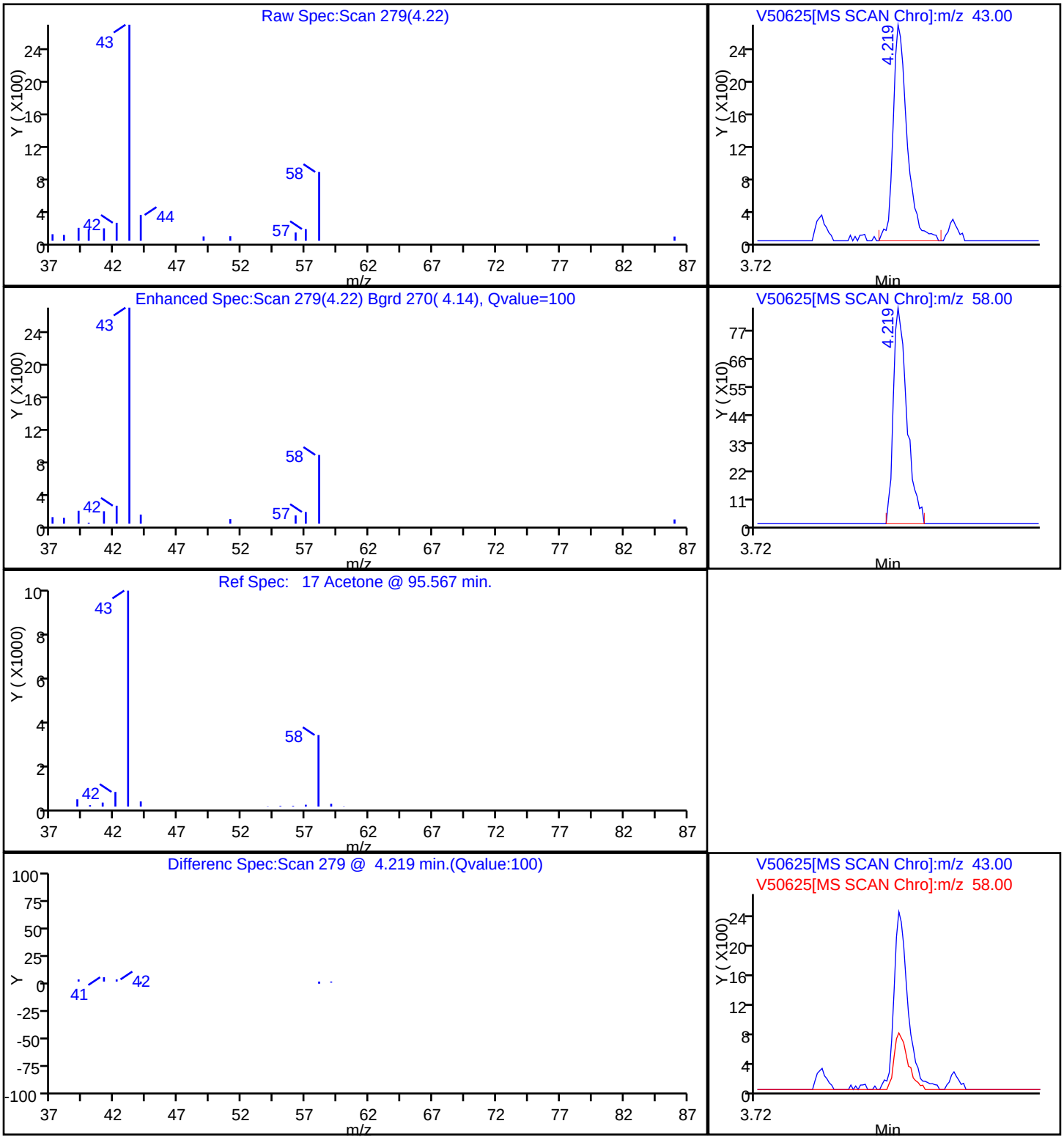
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 24

Operator ID: CR

17 Acetone



Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

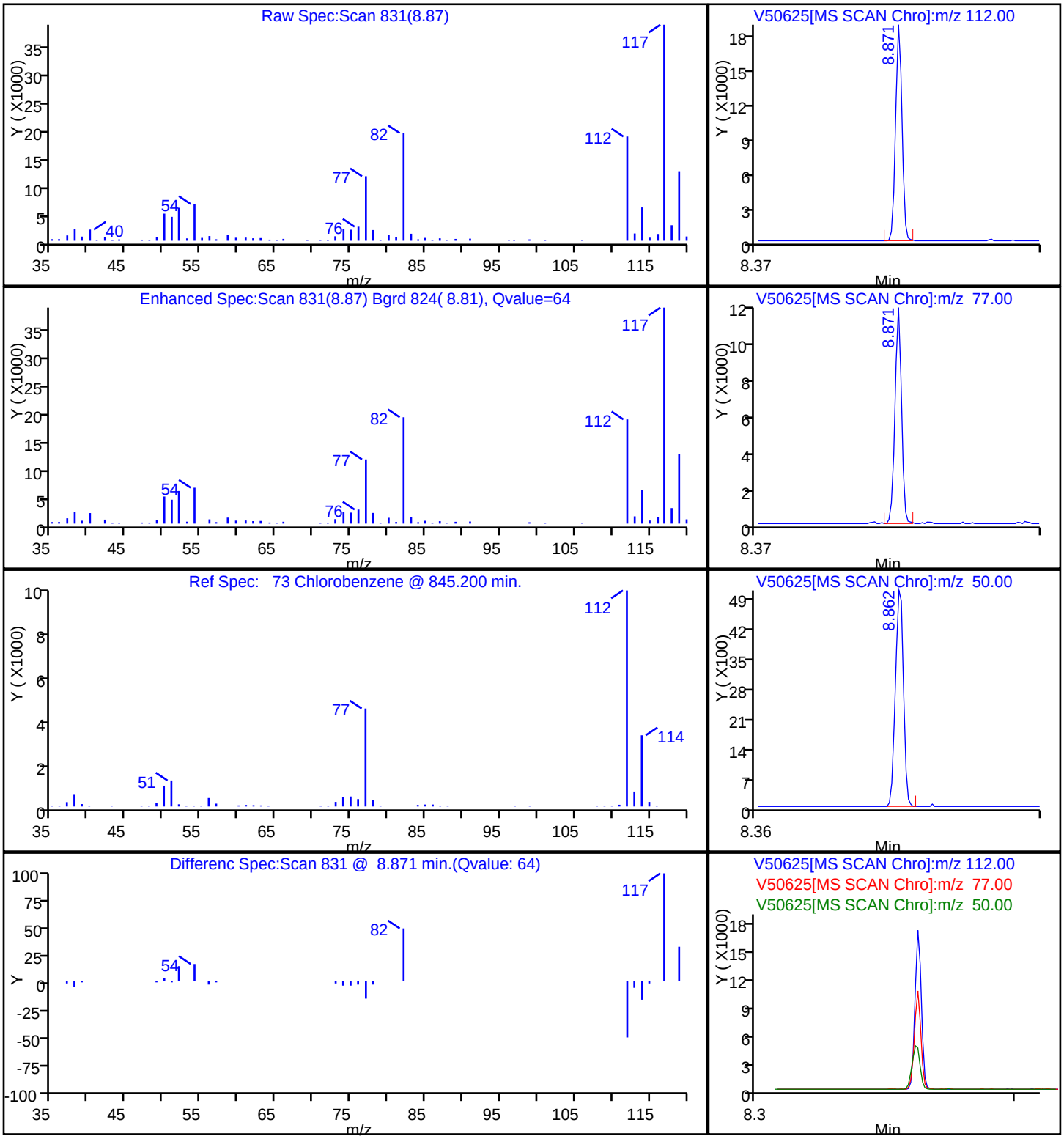
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 24

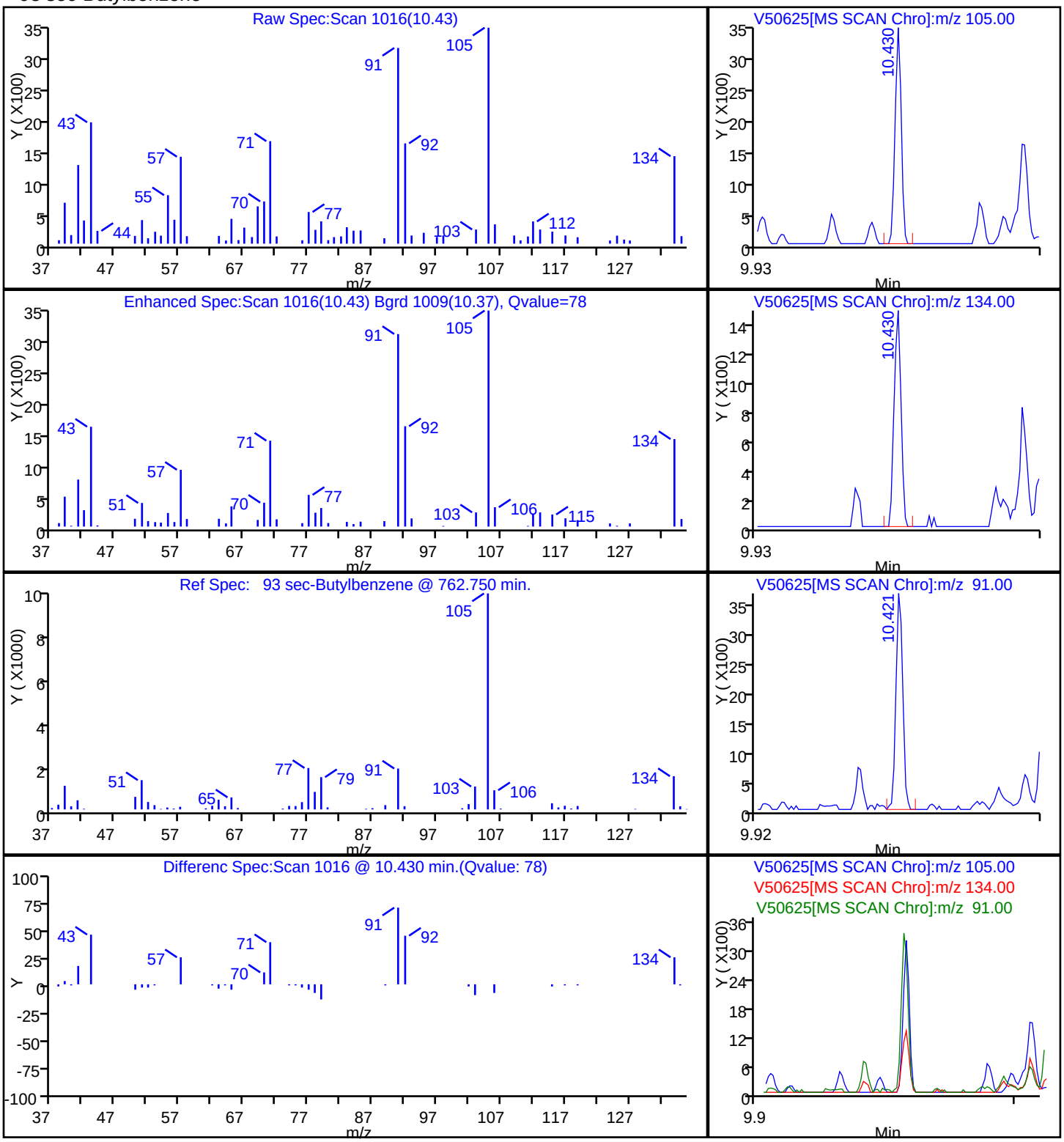
Operator ID: CR

73 Chlorobenzene



Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

93 sec-Butylbenzene

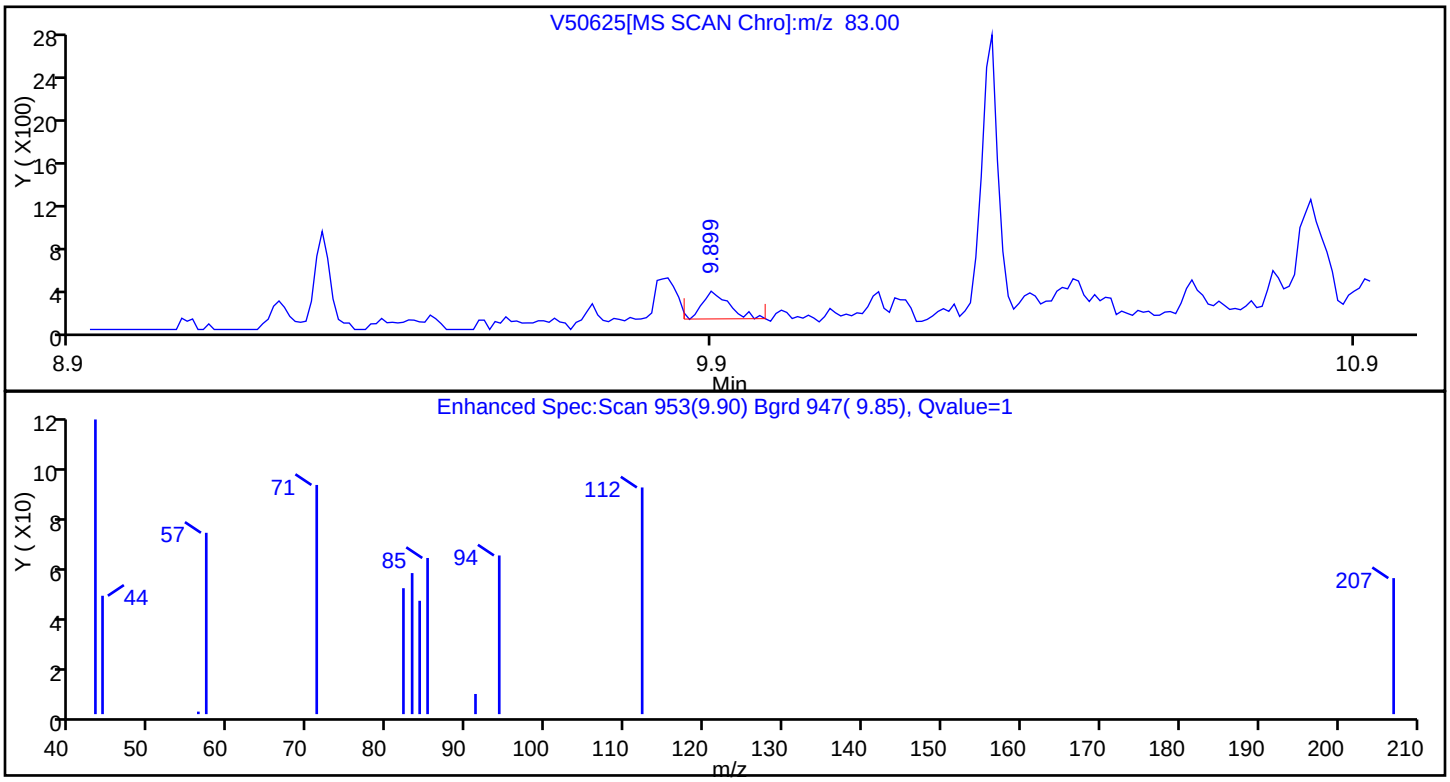


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

85 1,1,2,2-Tetrachloroethane

Processing Results



RT	Mass	Response	Amount
9.90	83.00	747	0.450247
9.88	85.00	224	

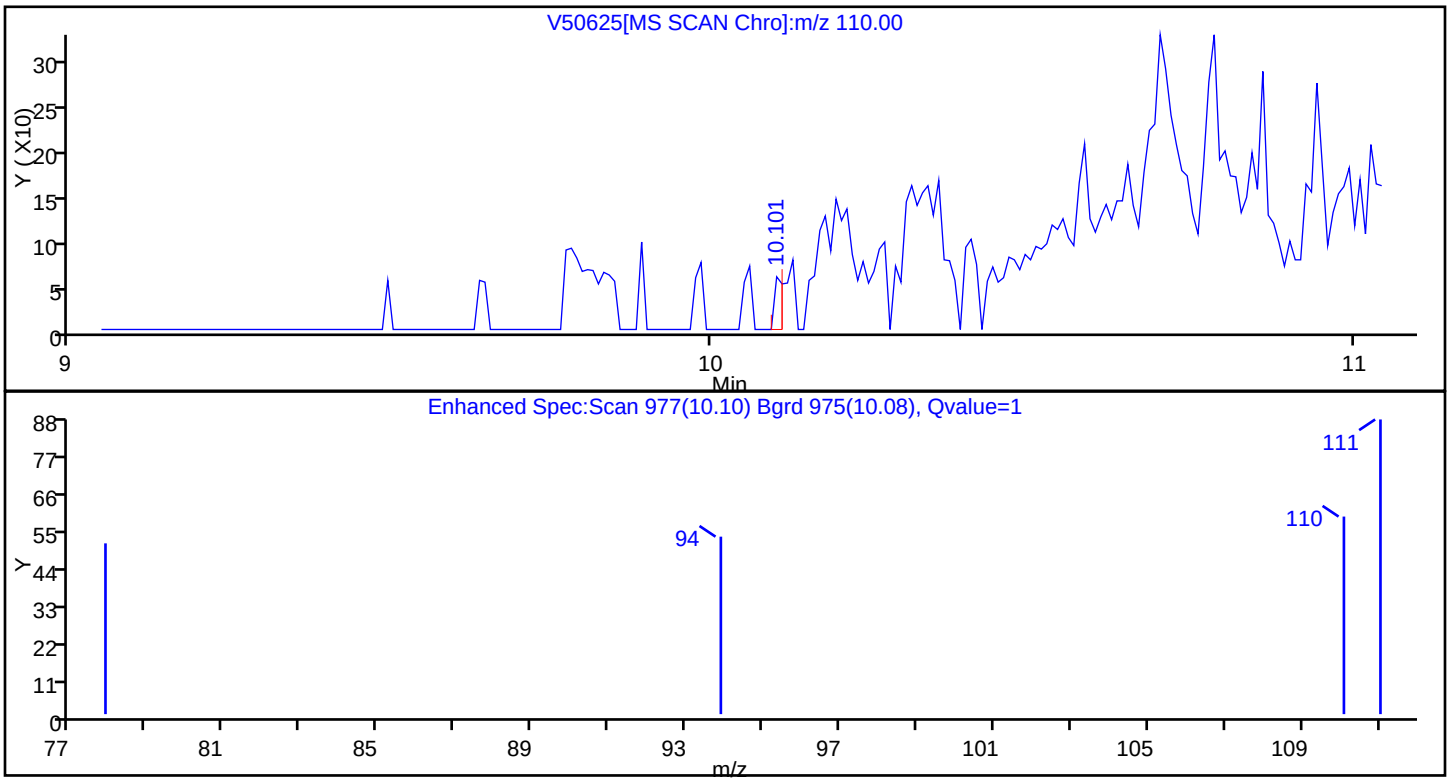
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

88 1,2,3-Trichloropropane

Processing Results



RT	Mass	Response	Amount
10.10	110.00	56	0.134656
10.11	112.00	354	

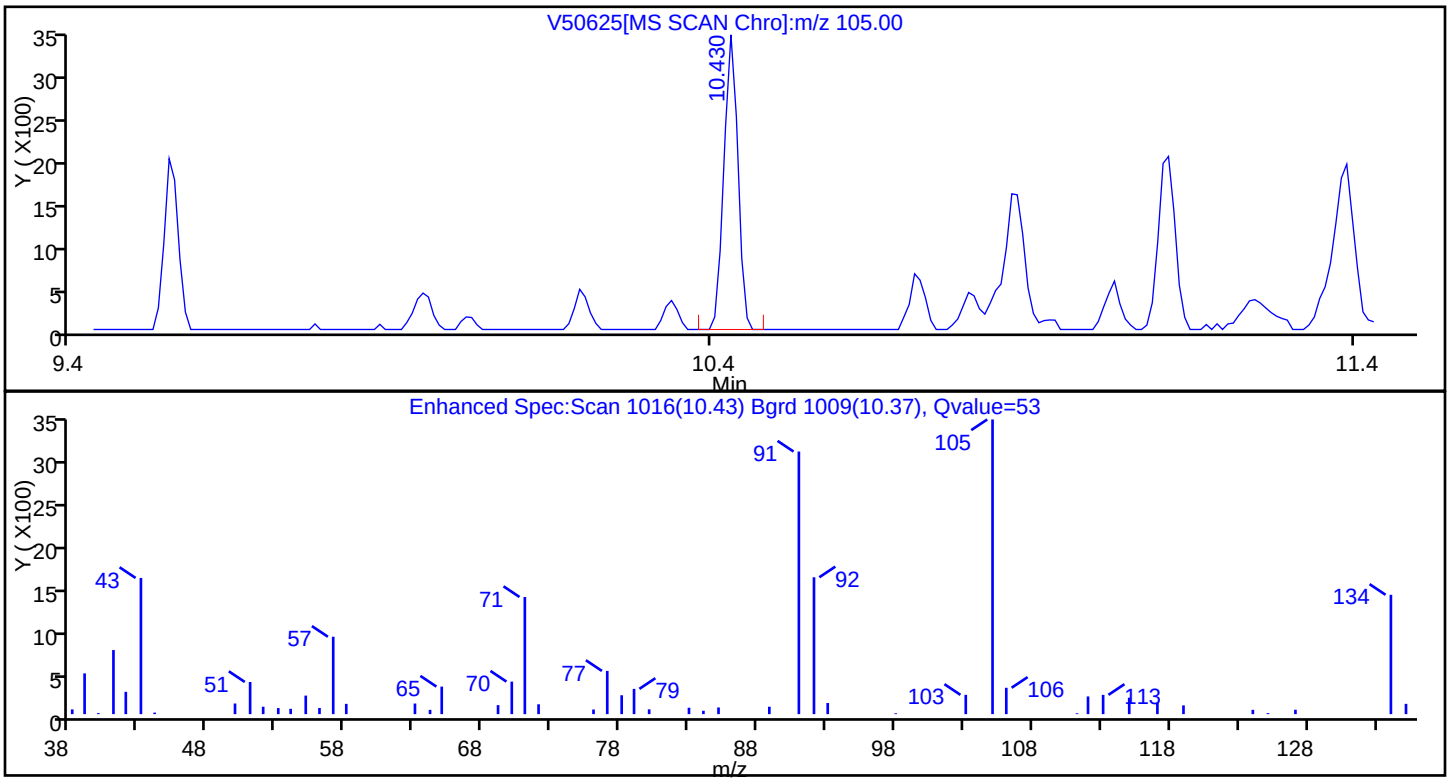
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

92 1,2,4-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
10.43	105.00	5310	0.490374
10.43	77.00	1117	

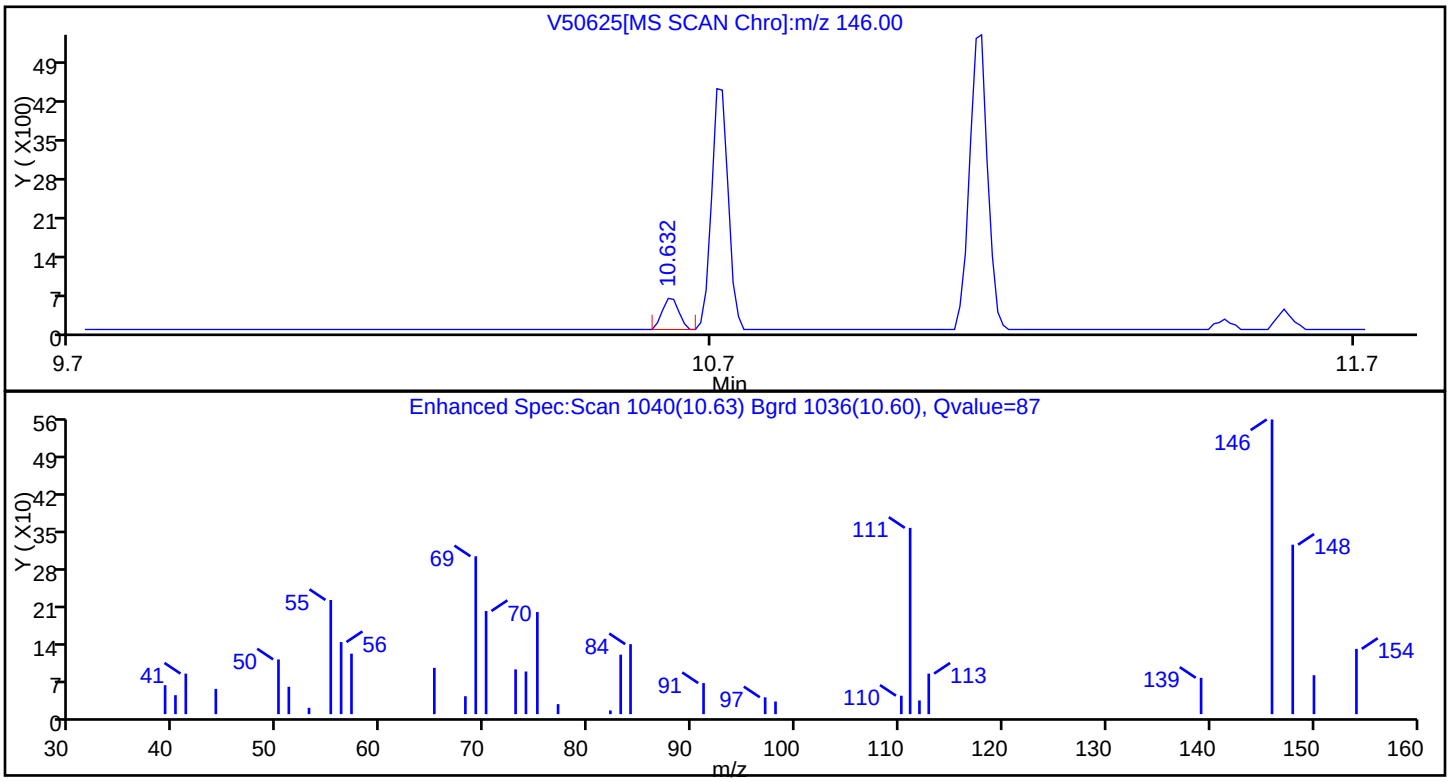
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

97 1,4-Dichlorobenzene

Processing Results



RT	Mass	Response	Amount
10.63	146.00	1009	0.210561
10.62	111.00	1919	

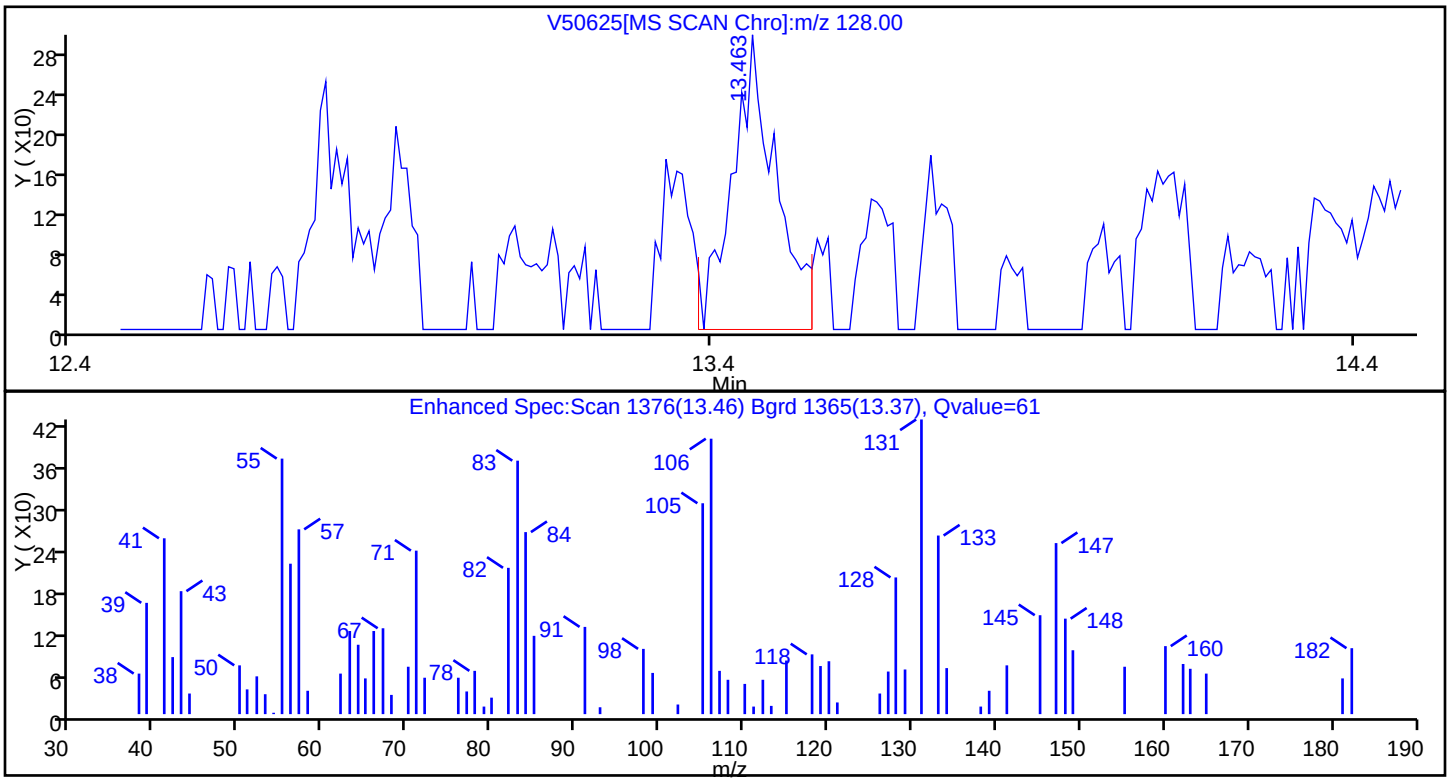
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

104 Naphthalene

Processing Results



RT	Mass	Response	Amount
13.46	128.00	1403	0.357359
13.46	127.00	758	
13.47	129.00	879	

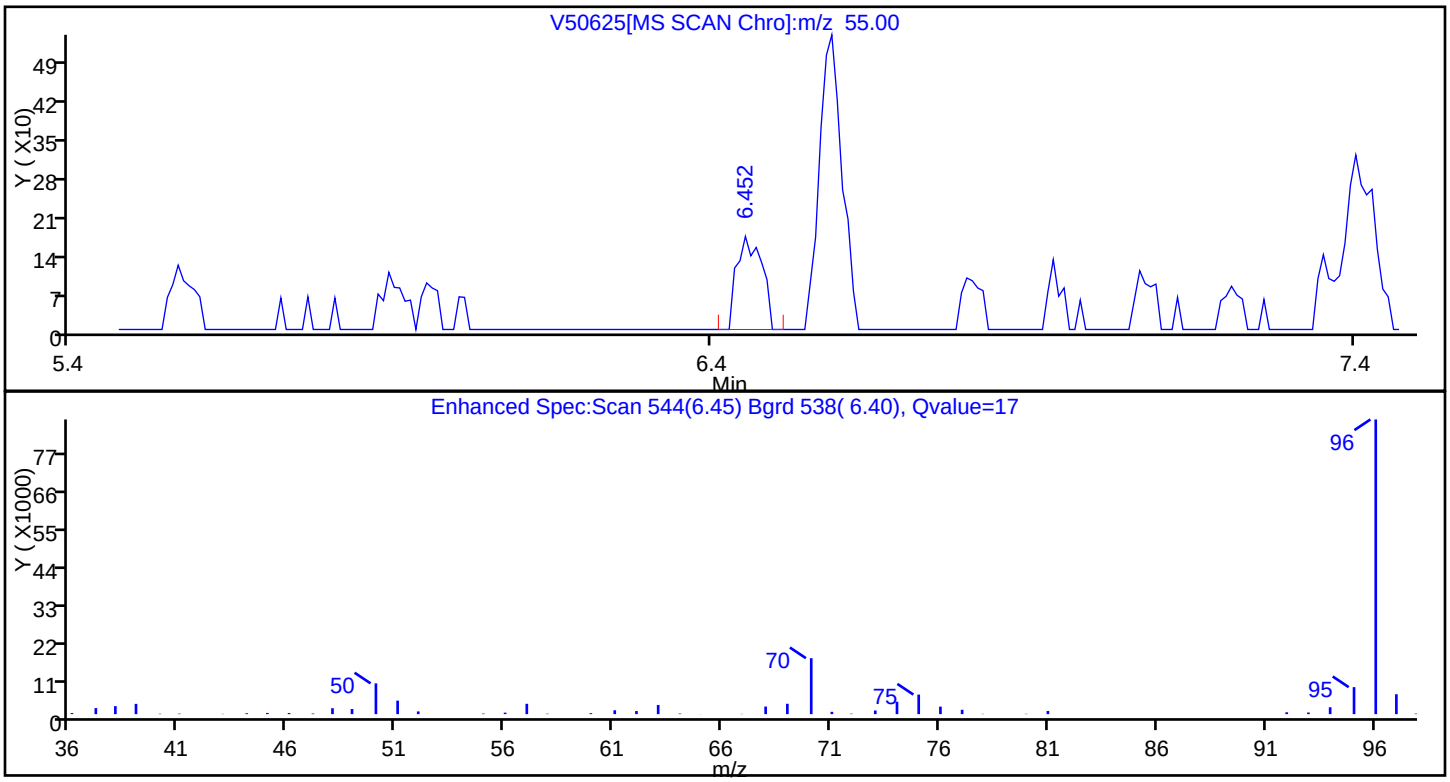
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.45	55.00	452	0.166459
6.44	97.00	13329	

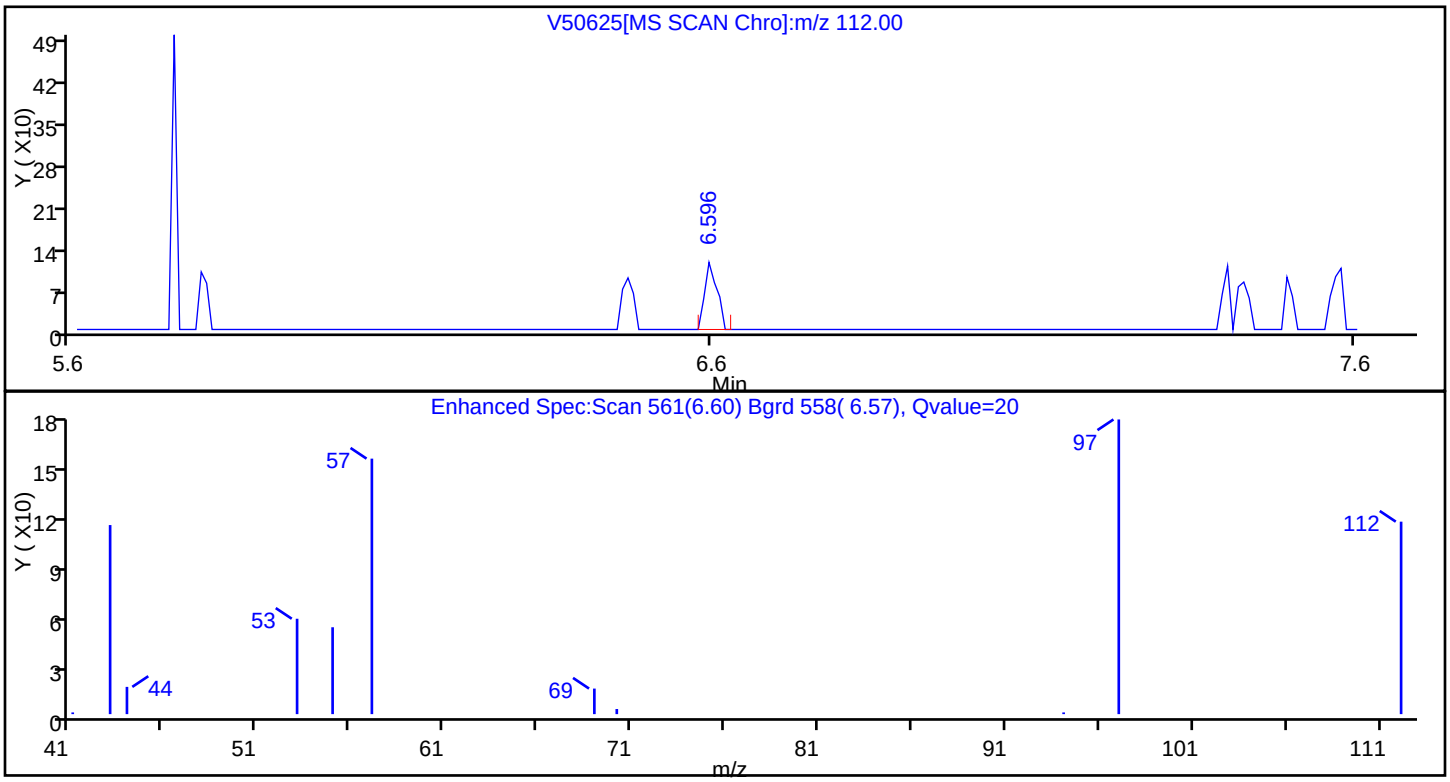
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

51 2,4,4-Trimethyl-2-pentene

Processing Results



RT	Mass	Response	Amount
6.60	112.00	151	0.090360
6.59	55.00	1302	
6.60	97.00	618	

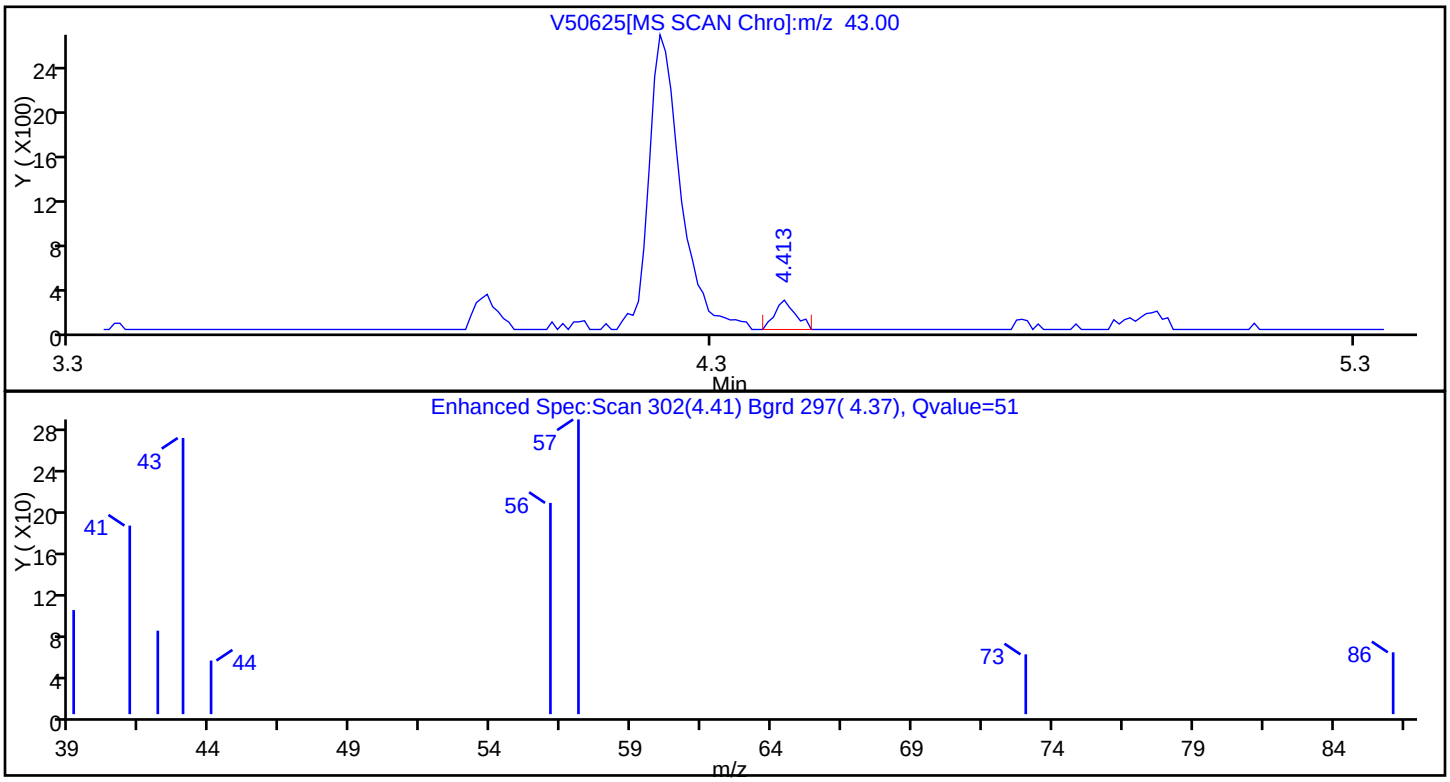
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D		
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

19 Methyl acetate

Processing Results



RT	Mass	Response	Amount
4.41	43.00	599	0.529467

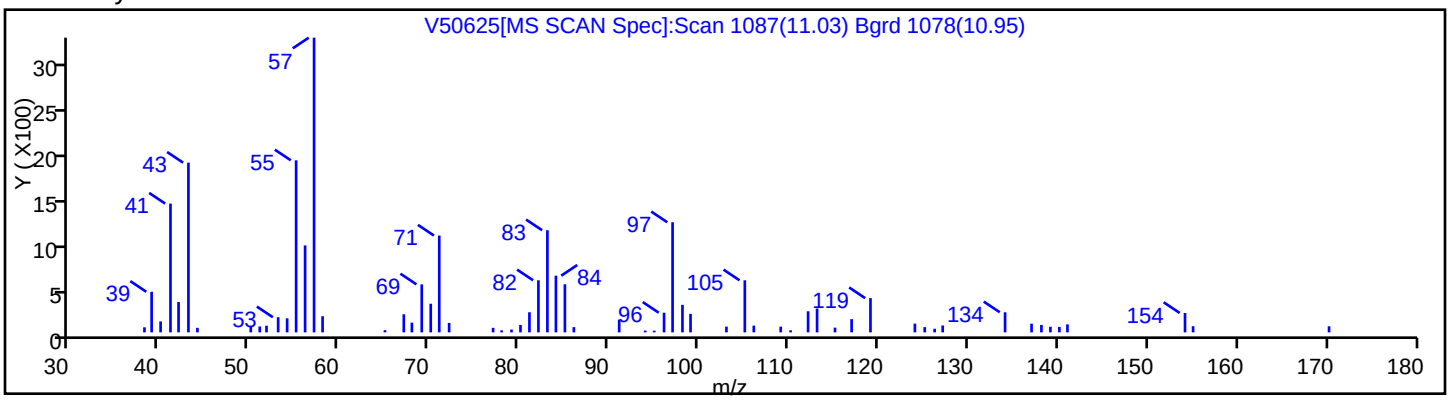
Reviewer: rouleauc, 20-Dec-2010 10:13:52
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 20-Dec-2010 10:13:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

No Library Matches Found above the Threshold: 50

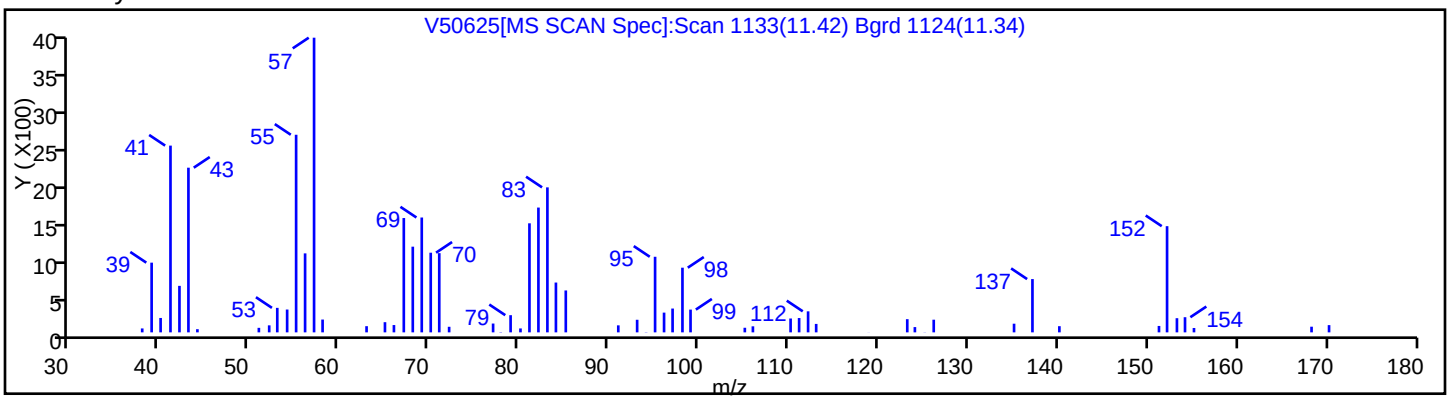


Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

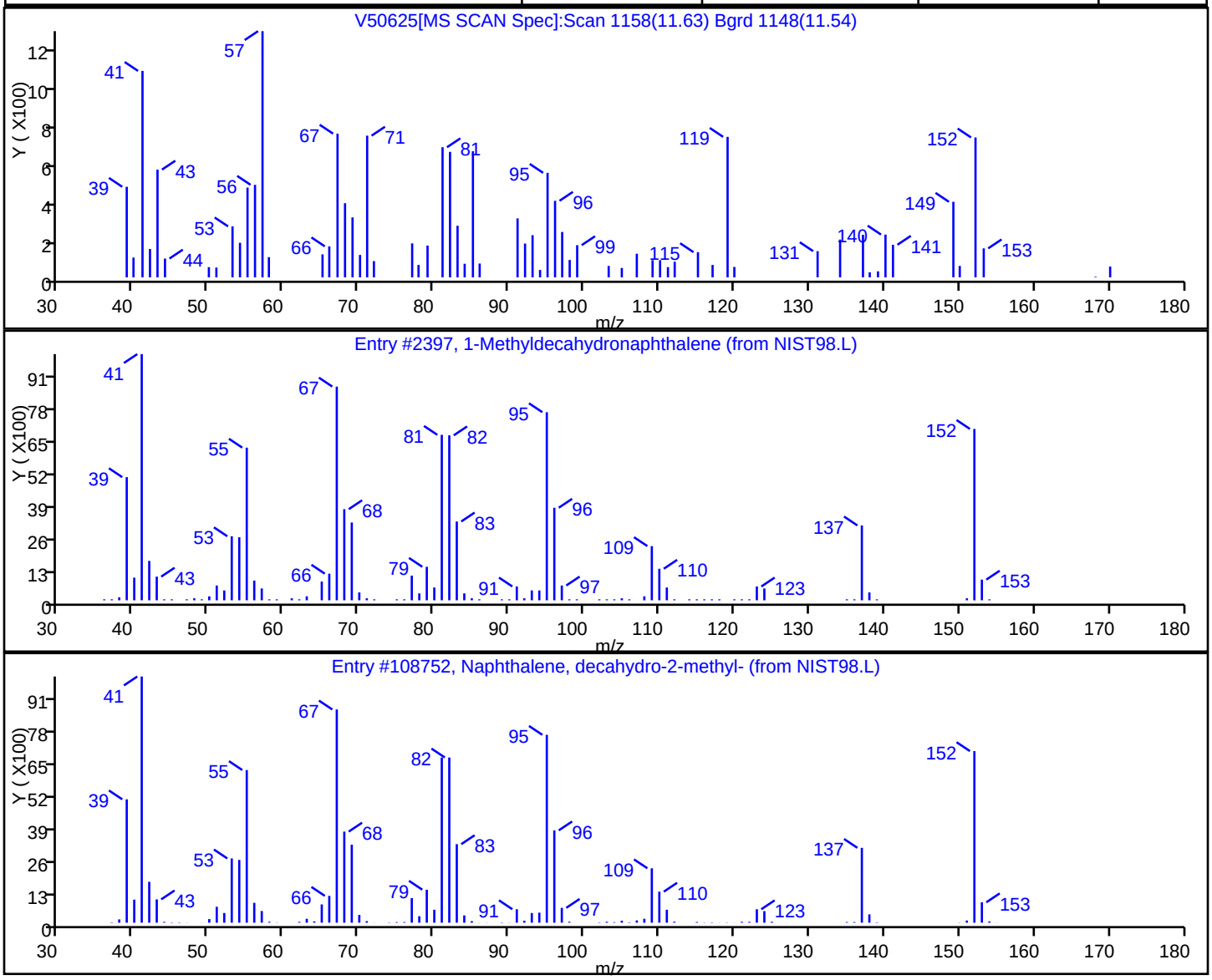
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

No Library Matches Found above the Threshold: 50



Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Methyldecahydronaphthalene	2958-75-0	NIST98.L	2397	89
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST98.L	108752	89

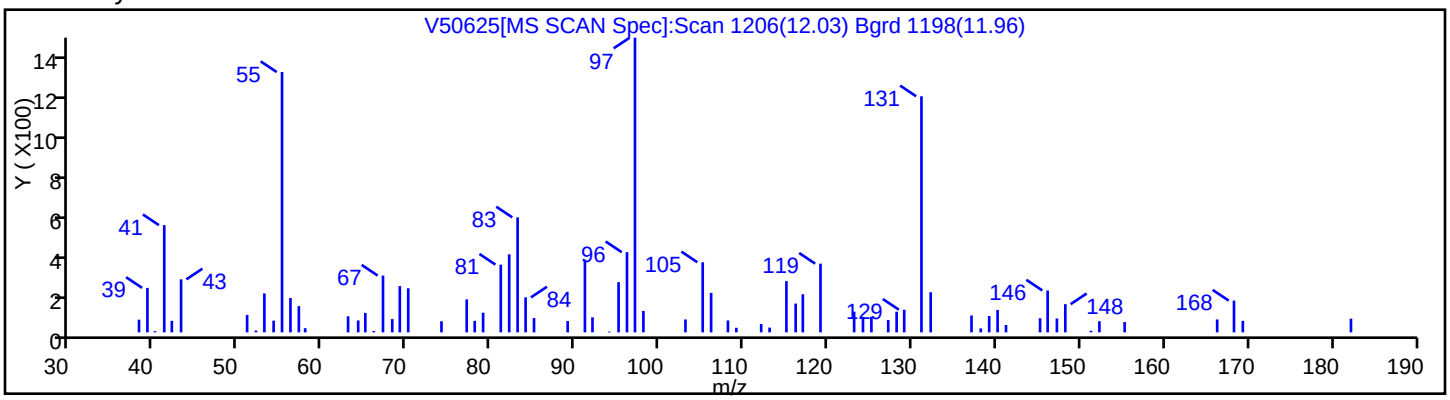


Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

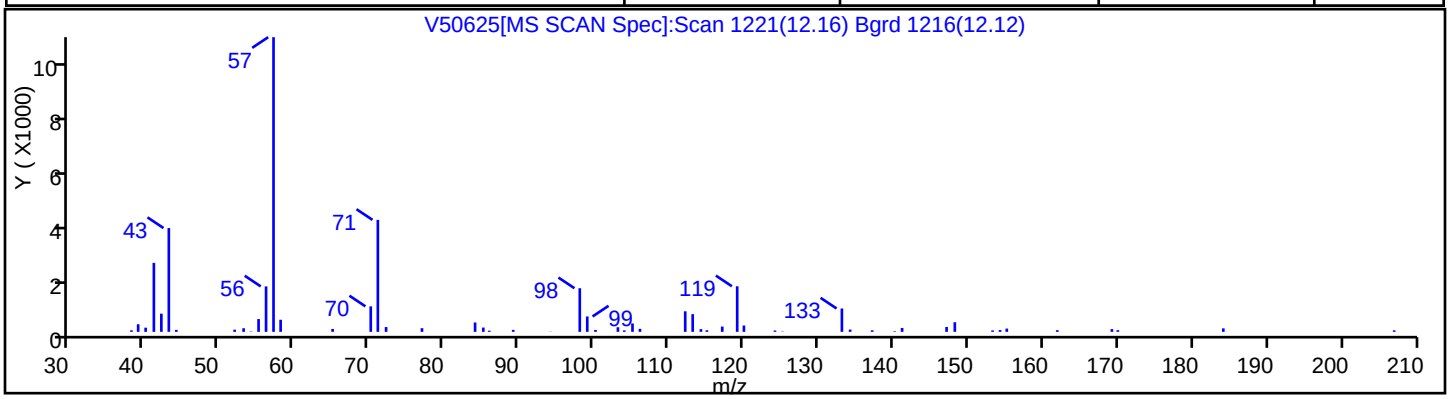
Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

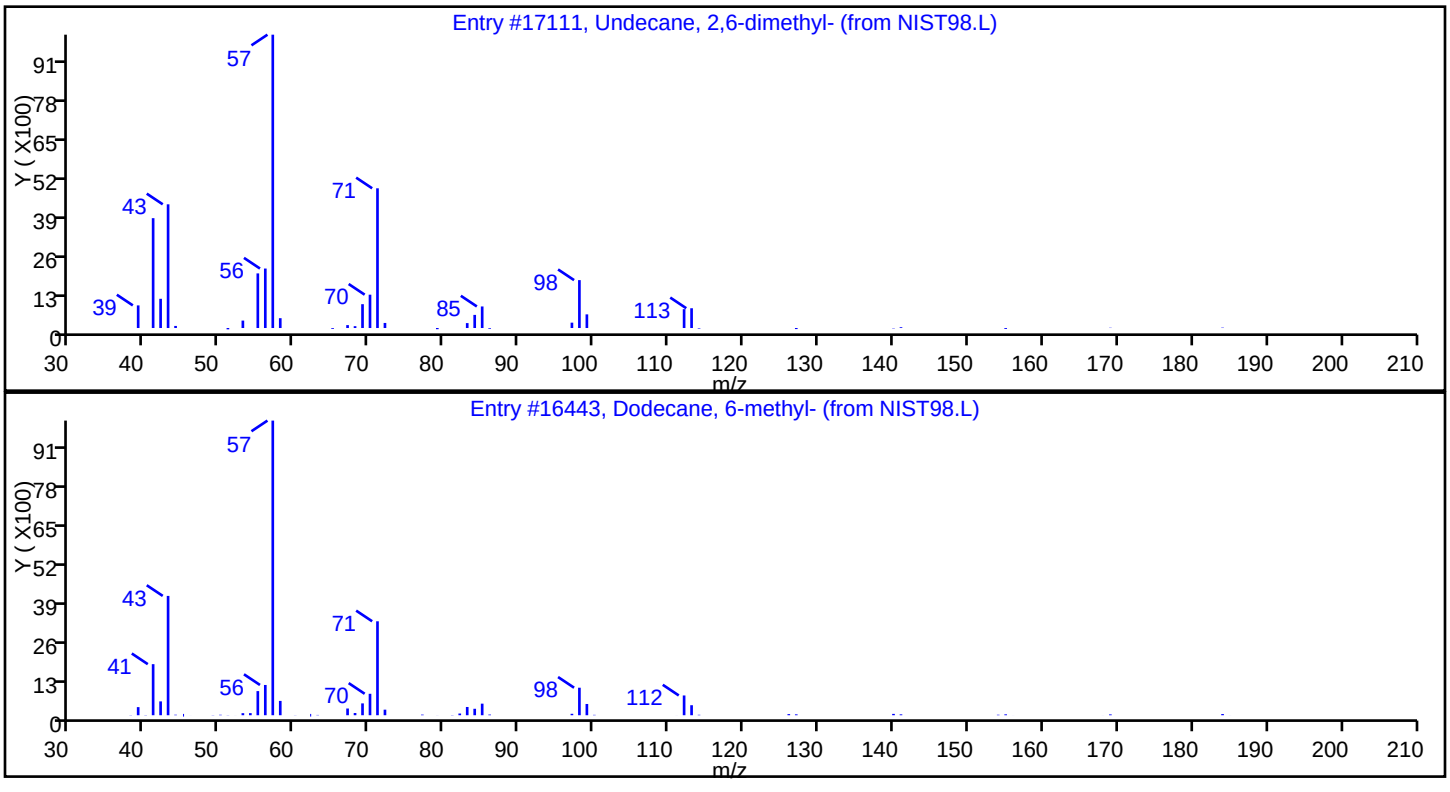
No Library Matches Found above the Threshold: 50



Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

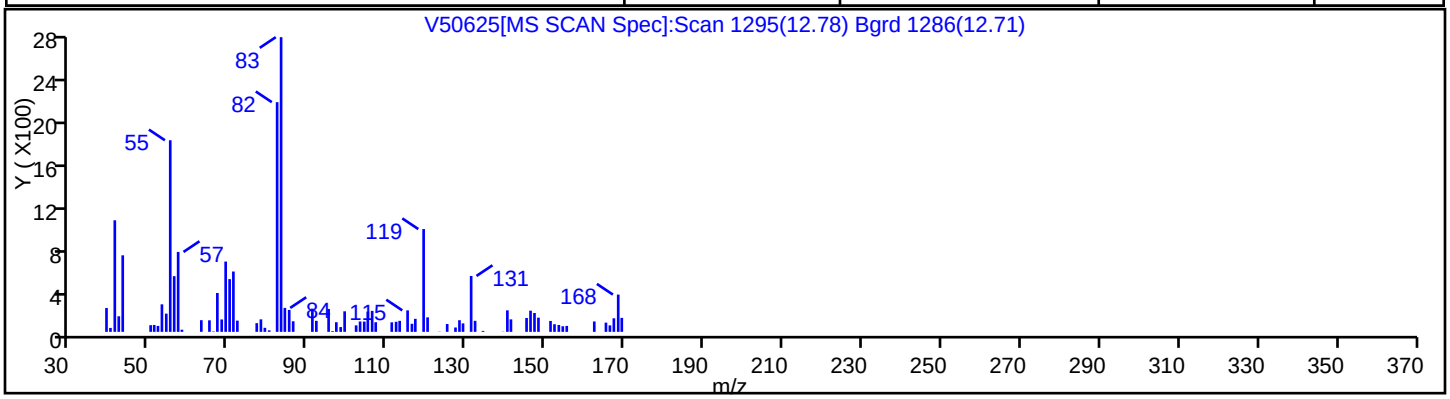
Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Undecane, 2,6-dimethyl-	17301-23-4	NIST98.L	17111	70
Dodecane, 6-methyl-	6044-71-9	NIST98.L	16443	59

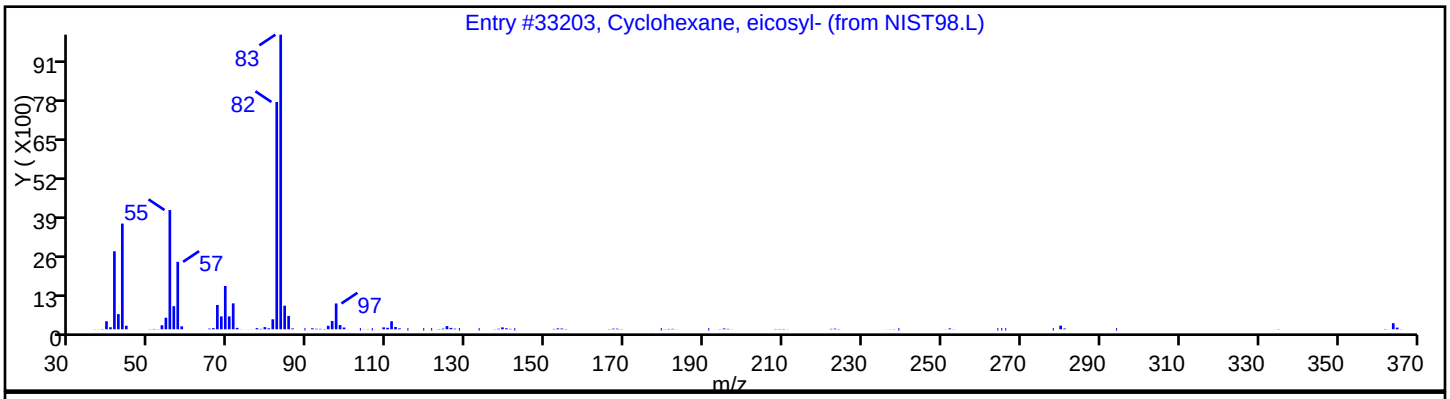


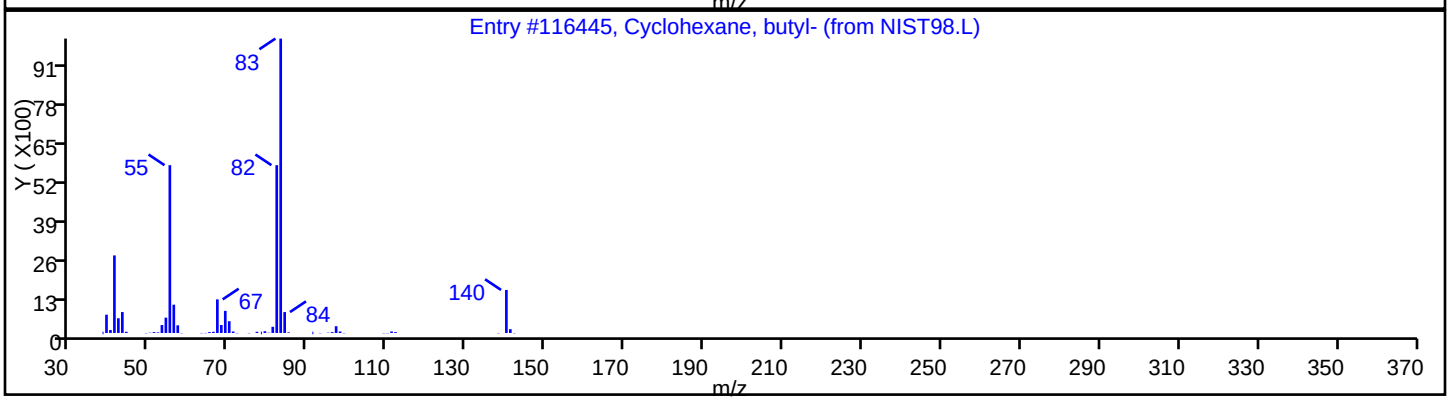


Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Cyclohexane, eicosyl-	4443-55-4	NIST98.L	33203	53
Cyclohexane, butyl-	1678-93-9	NIST98.L	116445	50

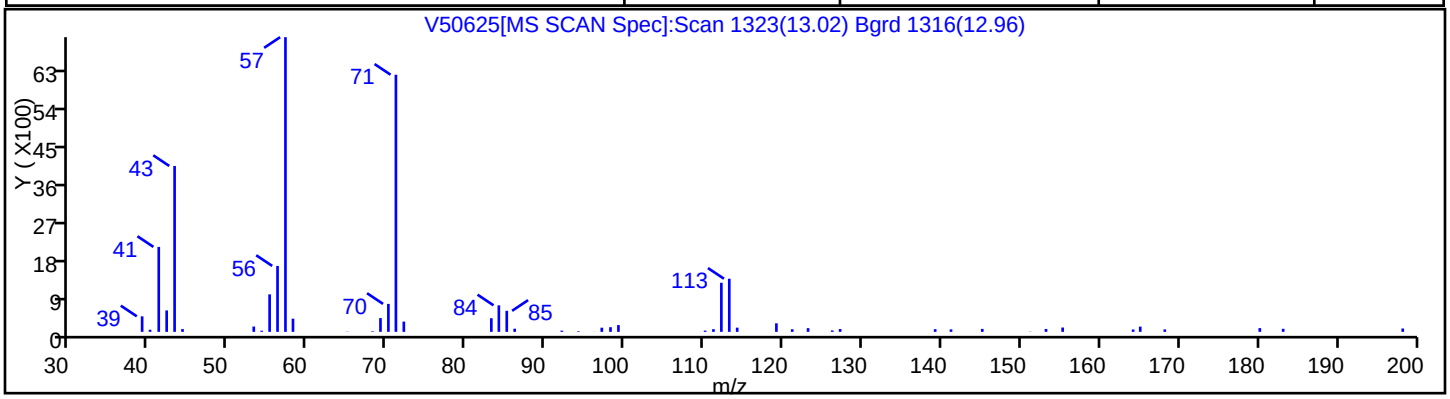


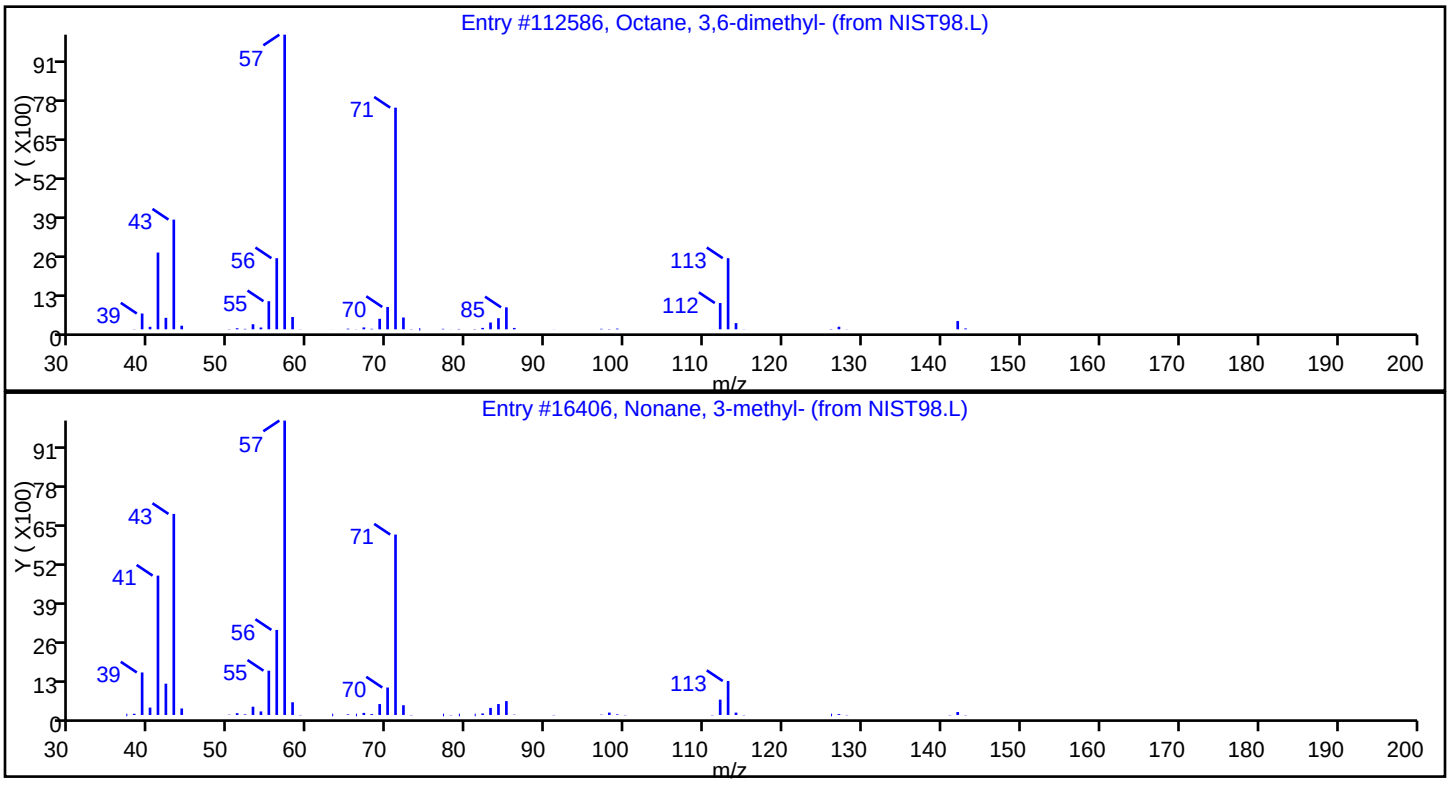




Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D
Injection Date: 18-Dec-2010 00:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 24
Operator ID: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Octane, 3,6-dimethyl-	15869-94-0	NIST98.L	112586	78
Nonane, 3-methyl-	5911-4-6	NIST98.L	16406	64



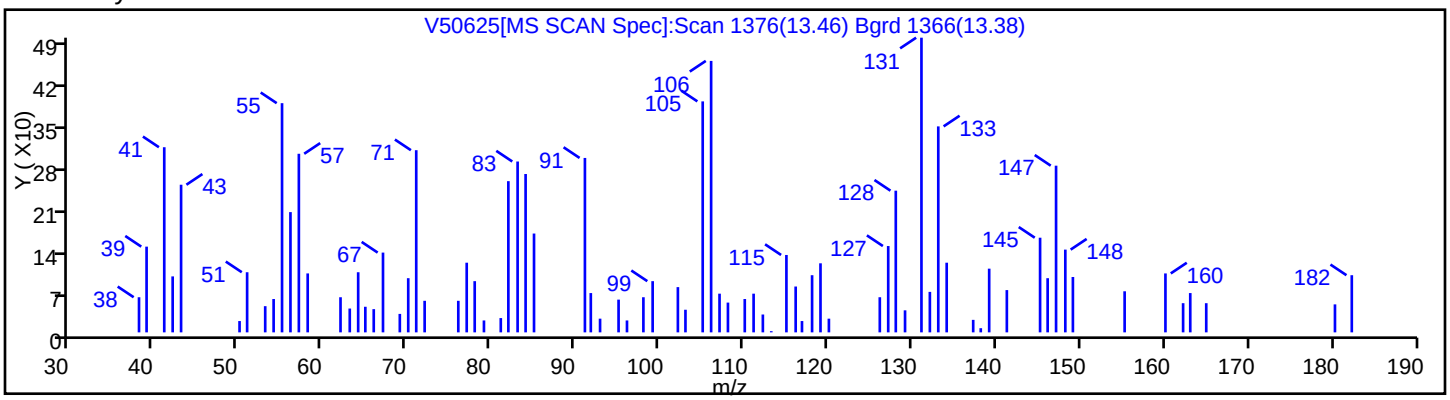


Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

No Library Matches Found above the Threshold: 50

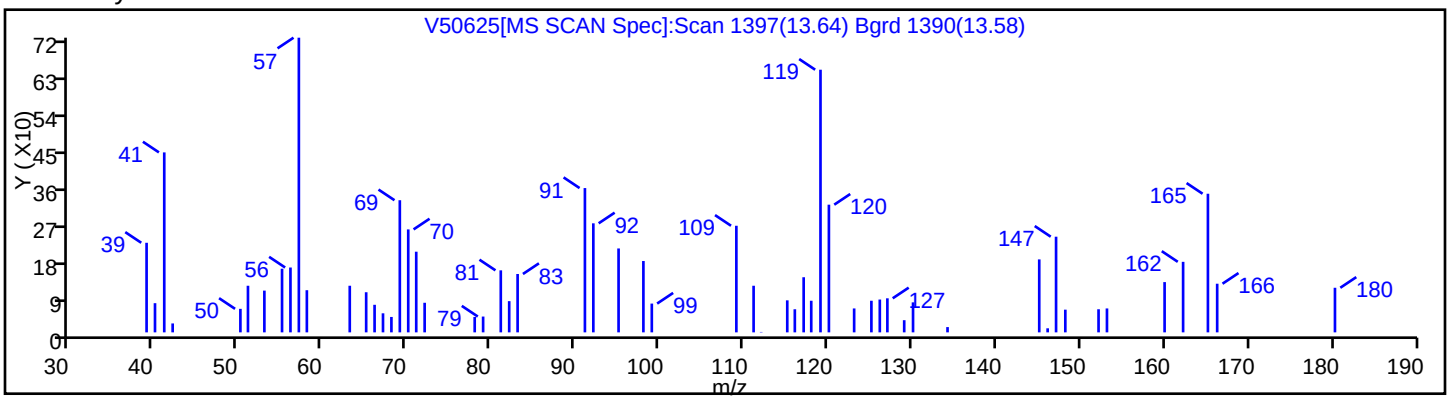


Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

No Library Matches Found above the Threshold: 50

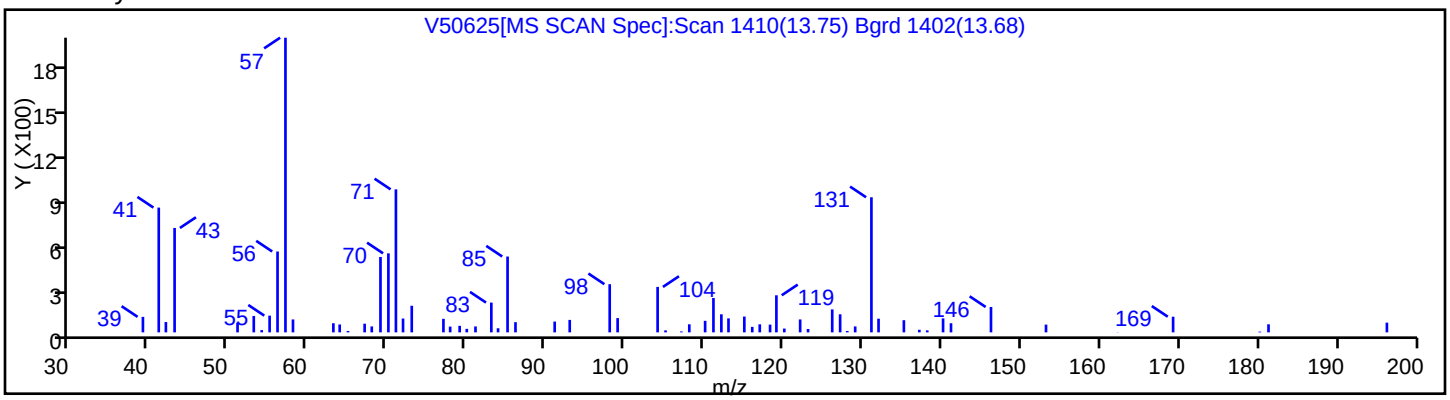


Report Date: 20-Dec-2010 10:13:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50625.D

Injection Date:	18-Dec-2010 00:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	24
Operator ID:	CR		

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: V50612.D

Analysis Method: 8260C | Date Collected: 12/09/2010 13:15

Sample wt/vol: 5.86(g) | Date Analyzed: 12/17/2010 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.7	1.8
71-55-6	1,1,1-Trichloroethane	ND		3.7	3.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.7	1.5
79-00-5	1,1,2-Trichloroethane	ND		3.7	1.5
75-34-3	1,1-Dichloroethane	ND		3.7	2.8
75-35-4	1,1-Dichloroethene	ND		3.7	2.4
563-58-6	1,1-Dichloropropene	ND		3.7	2.2
87-61-6	1,2,3-Trichlorobenzene	ND		3.7	1.6
96-18-4	1,2,3-Trichloropropane	ND		3.7	1.8
120-82-1	1,2,4-Trichlorobenzene	ND		3.7	1.5
95-63-6	1,2,4-Trimethylbenzene	ND		3.7	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		37	4.2
95-50-1	1,2-Dichlorobenzene	ND		3.7	1.5
107-06-2	1,2-Dichloroethane	ND		3.7	1.5
78-87-5	1,2-Dichloropropane	ND		3.7	2.4
108-67-8	1,3,5-Trimethylbenzene	ND		3.7	2.2
541-73-1	1,3-Dichlorobenzene	ND		3.7	1.5
142-28-9	1,3-Dichloropropane	ND		3.7	1.7
106-46-7	1,4-Dichlorobenzene	ND		3.7	1.5
123-91-1	1,4-Dioxane	ND		370	150
594-20-7	2,2-Dichloropropane	ND		3.7	3.1
78-93-3	2-Butanone (MEK)	ND		37	16
95-49-8	2-Chlorotoluene	ND		3.7	1.9
591-78-6	2-Hexanone	ND		37	21
106-43-4	4-Chlorotoluene	ND		3.7	1.8
99-87-6	4-Isopropyltoluene	ND		3.7	2.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		37	15
67-64-1	Acetone	41	J B	370	26
71-43-2	Benzene	ND		3.7	2.4
108-86-1	Bromobenzene	ND		3.7	1.5
75-25-2	Bromoform	ND		3.7	2.4
74-83-9	Bromomethane	ND		7.5	3.4
75-15-0	Carbon disulfide	ND		3.7	2.8
56-23-5	Carbon tetrachloride	ND		3.7	2.5
108-90-7	Chlorobenzene	ND		3.7	1.8
74-97-5	Chlorobromomethane	ND		3.7	2.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: V50612.D

Analysis Method: 8260C | Date Collected: 12/09/2010 13:15

Sample wt/vol: 5.86(g) | Date Analyzed: 12/17/2010 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.7	1.8
75-00-3	Chloroethane	ND		7.5	3.0
67-66-3	Chloroform	ND		3.7	2.2
74-87-3	Chloromethane	ND		7.5	2.4
156-59-2	cis-1,2-Dichloroethene	ND		3.7	1.8
10061-01-5	cis-1,3-Dichloropropene	ND		3.7	1.5
74-95-3	Dibromomethane	ND		3.7	1.9
75-27-4	Dichlorobromomethane	ND		3.7	1.9
75-71-8	Dichlorodifluoromethane	ND	*	7.5	3.1
60-29-7	Ethyl ether	ND		3.7	1.6
100-41-4	Ethylbenzene	ND		3.7	2.7
106-93-4	Ethylene Dibromide	ND		3.7	1.7
87-68-3	Hexachlorobutadiene	ND		3.7	2.2
108-20-3	Isopropyl ether	ND		3.7	1.7
98-82-8	Isopropylbenzene	ND		3.7	2.2
179601-23-1	m-Xylene & p-Xylene	ND		7.5	5.2
1634-04-4	Methyl tert-butyl ether	ND		3.7	2.2
75-09-2	Methylene Chloride	ND		15	15
104-51-8	n-Butylbenzene	ND		3.7	1.8
103-65-1	N-Propylbenzene	ND		3.7	2.5
91-20-3	Naphthalene	ND		37	3.4
95-47-6	o-Xylene	ND		3.7	1.9
135-98-8	sec-Butylbenzene	ND		3.7	2.1
100-42-5	Styrene	ND		3.7	1.5
994-05-8	Tert-amyl methyl ether	ND		3.7	2.2
637-92-3	Tert-butyl ethyl ether	ND		3.7	2.1
98-06-6	tert-Butylbenzene	ND		3.7	2.1
127-18-4	Tetrachloroethene	ND		3.7	2.7
109-99-9	Tetrahydrofuran	ND		37	19
108-88-3	Toluene	ND		3.7	2.7
156-60-5	trans-1,2-Dichloroethene	ND		3.7	2.4
10061-02-6	trans-1,3-Dichloropropene	ND		3.7	1.6
79-01-6	Trichloroethene	ND		3.7	3.1
75-69-4	Trichlorofluoromethane	ND		7.5	2.1
75-01-4	Vinyl chloride	ND		3.7	2.5
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19	2.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: V50612.D

Analysis Method: 8260C | Date Collected: 12/09/2010 13:15

Sample wt/vol: 5.86(g) | Date Analyzed: 12/17/2010 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		7.5	2.4
107-40-4	2,4,4-Trimethyl-2-pentene	ND		7.5	1.6
110-82-7	Cyclohexane	ND		37	1.5
79-20-9	Methyl acetate	ND		75	21
108-87-2	Methylcyclohexane	ND		3.7	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: V50612.D

Analysis Method: 8260C Date Collected: 12/09/2010 13:15

Sample wt/vol: 5.86(g) Date Analyzed: 12/17/2010 19:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.8 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 113

CAS NO.	COMPOUND NAME	RT	RESULT	Q
15220-85-6	1-Propene, 2-methyl-, tetramer	14.41	47	T J N
	Unknown	14.73	40	T J
	Unknown	14.88	26	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D		
Lims ID:	360-31465-A-5-E	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	17-Dec-2010 19:11:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-5		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	67368	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:00:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.172	4.182	-0.010	93	1718	0.4901	
17 Acetone	43	4.223	4.224	-0.001	86	2396	5.53	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.782	5.783	-0.001	92	51929	19.6	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43		5.884					
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.220	6.230	-0.010	0	9980	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.448	6.449	-0.001	99	216444	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.670	7.671	-0.001	92	193767	20.2	
61 Toluene	92	7.712	7.713	-0.001	75	731	0.1020	
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.858	8.867	-0.009	86	137884	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.785	9.794	-0.009	76	70106	20.0	
$ 124 BFB (tune)	95	9.785	9.830	-0.045	96	70106	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.703	10.704	-0.001	95	38356	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D		
Lims ID:	360-31465-A-5-E	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	17-Dec-2010 19:11:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-5		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	67368	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:00:01

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
BFB	9.785	70081		

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
15220-85-6 1-Propene, 2-methyl-, tetramer						
14.411	142073	6.35	46	90	17463	
Unknown						
14.731	120171	5.37	46			
Unknown						
14.875	79364	3.55	46			

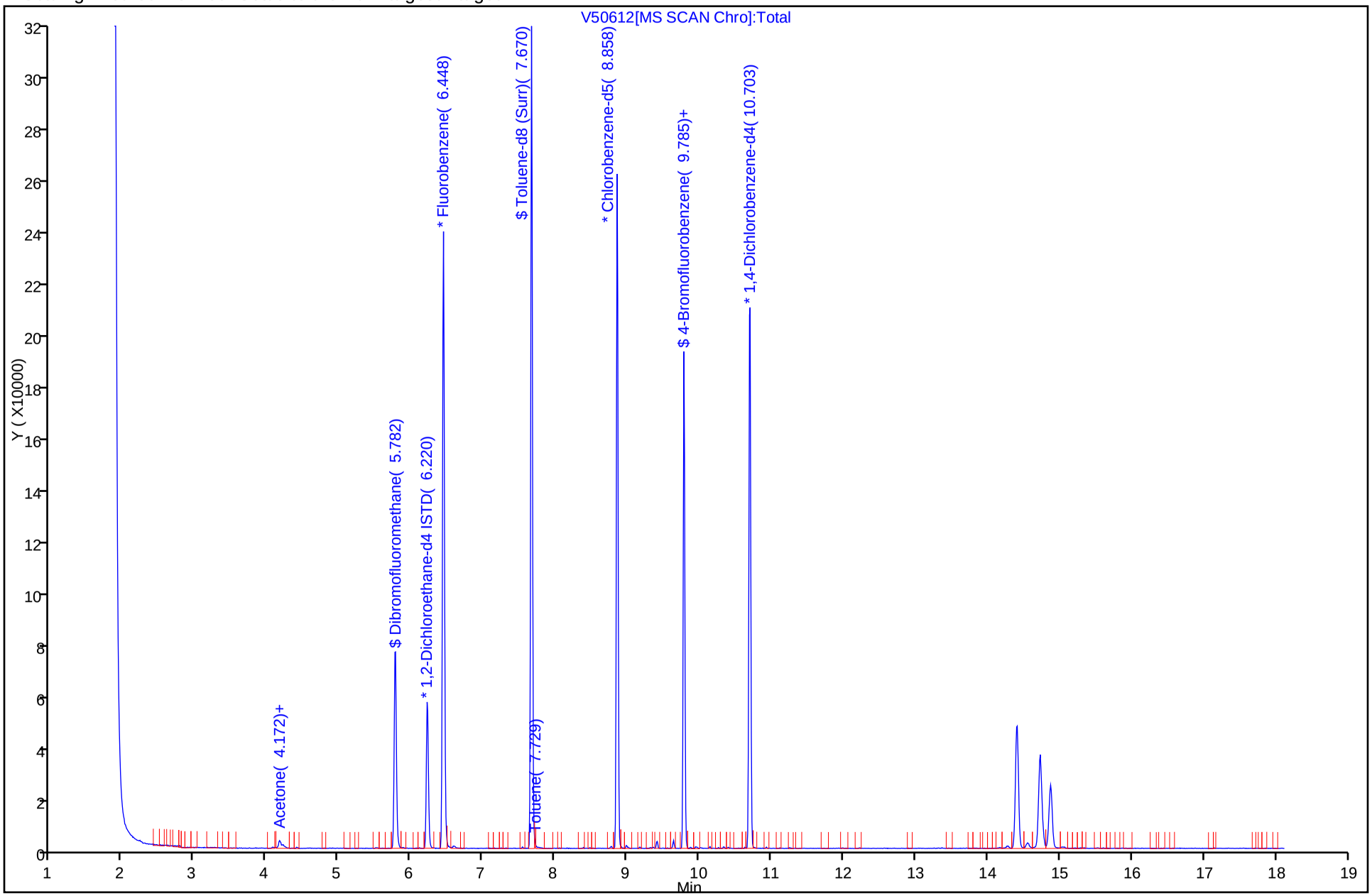
Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 46 Fluorobenzene	6.448	447727	20.0

QC Flag Legend

Processing Flags

Report Date: 20-Dec-2010 10:00:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D
Injection Date: 17-Dec-2010 19:11:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-1-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 11
Operator ID: CR
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:00:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D

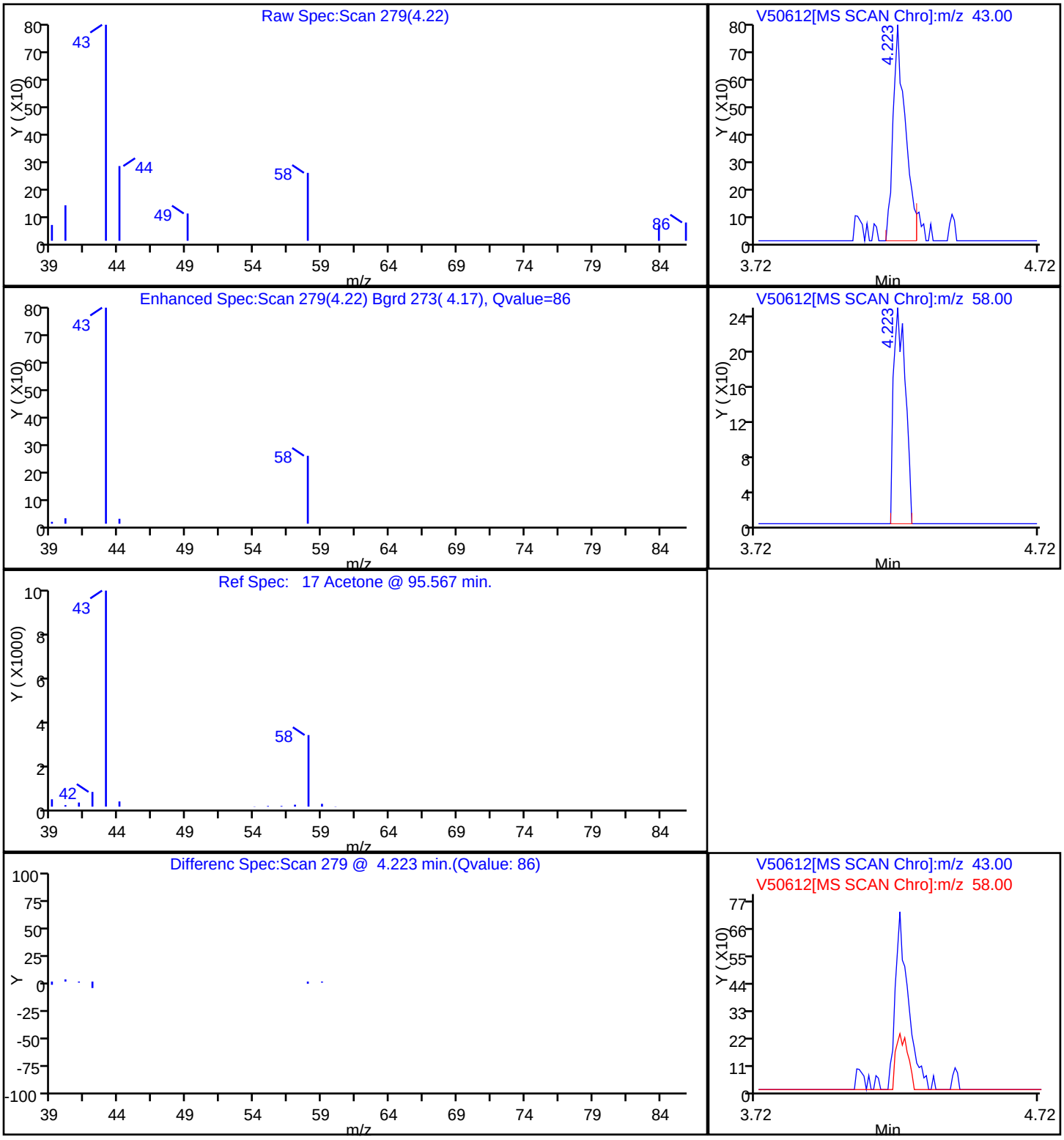
Injection Date: 17-Dec-2010 19:11:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-1-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 11

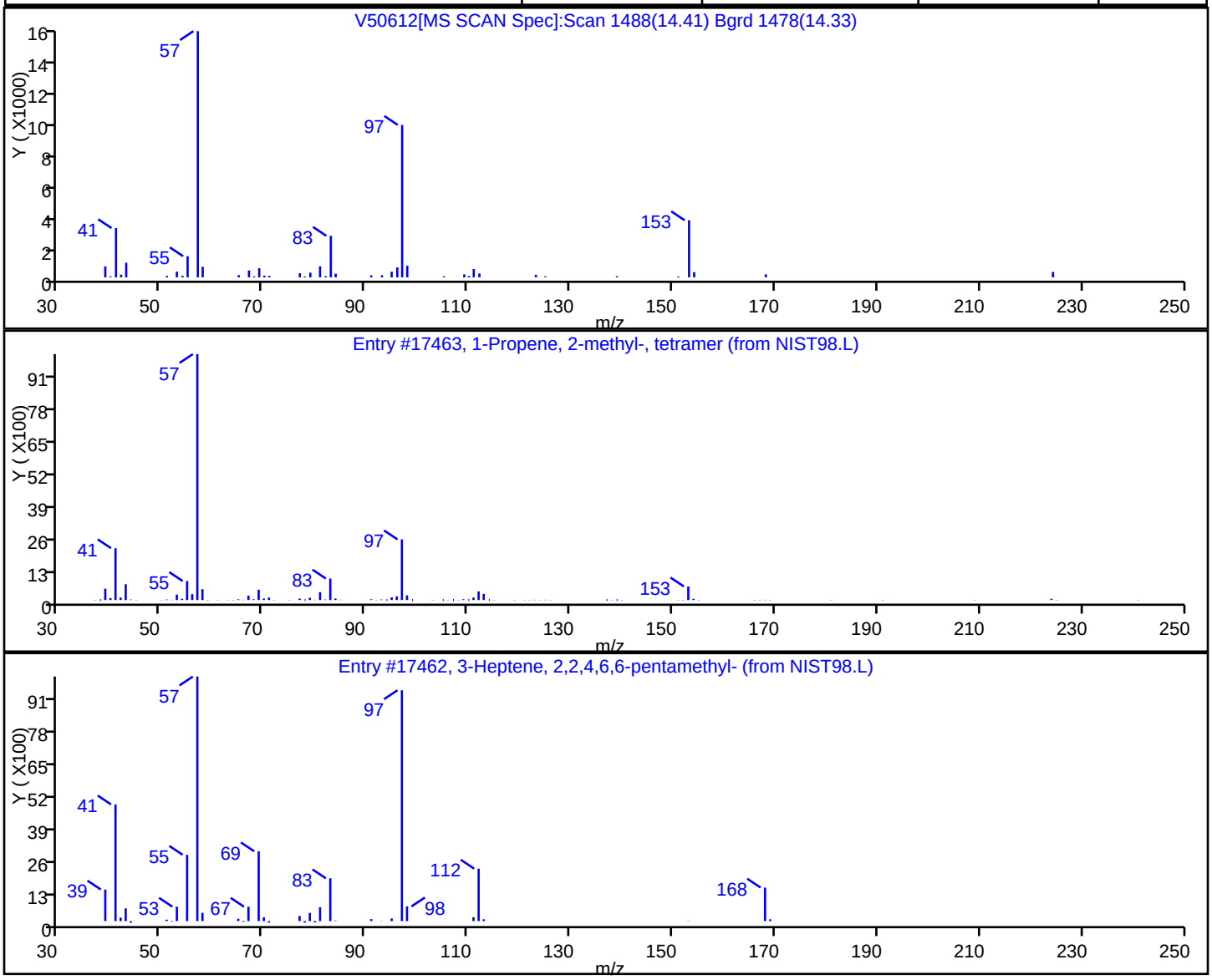
Operator ID: CR

17 Acetone



Report Date: 20-Dec-2010 10:00:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D
Injection Date: 17-Dec-2010 19:11:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-1-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 11
Operator ID: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Propene, 2-methyl-, tetramer	15220-85-6	NIST98.L	17463	90
3-Heptene, 2,2,4,6,6-pentamethyl-	123-48-8	NIST98.L	17462	53

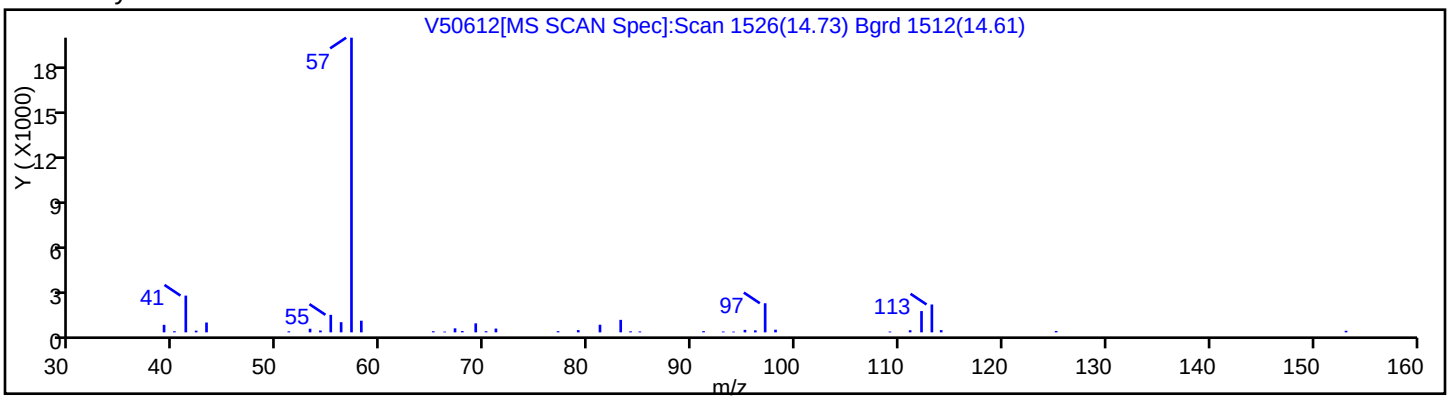


Report Date: 20-Dec-2010 10:00:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D

Injection Date:	17-Dec-2010 19:11:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	11
Operator ID:	CR		

No Library Matches Found above the Threshold: 50

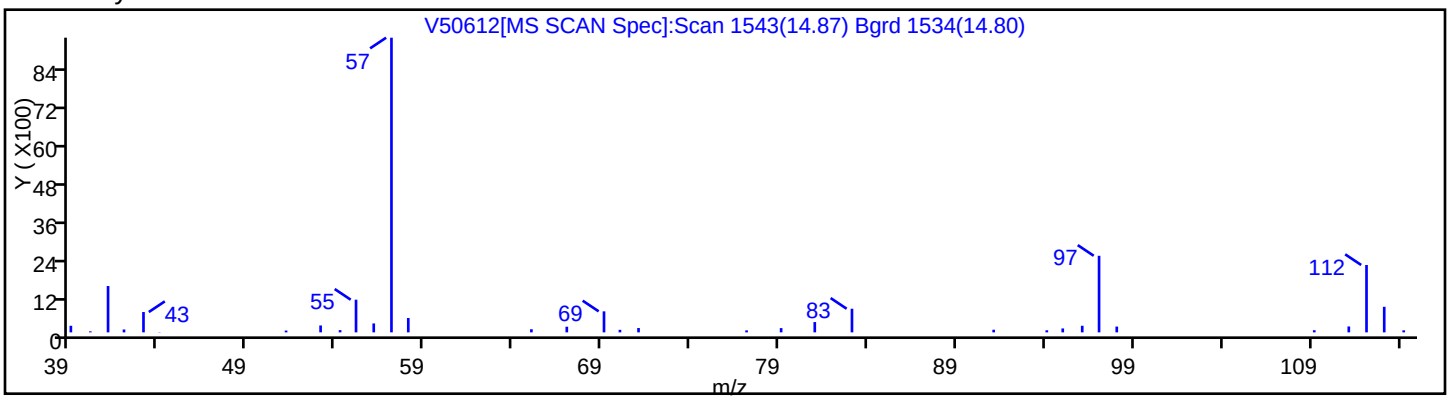


Report Date: 20-Dec-2010 10:00:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50612.D

Injection Date:	17-Dec-2010 19:11:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	11
Operator ID:	CR		

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: V50613.D

Analysis Method: 8260C | Date Collected: 12/09/2010 15:45

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.3	1.6
71-55-6	1,1,1-Trichloroethane	ND		3.3	2.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.3	1.3
79-00-5	1,1,2-Trichloroethane	ND		3.3	1.3
75-34-3	1,1-Dichloroethane	ND		3.3	2.5
75-35-4	1,1-Dichloroethene	ND		3.3	2.1
563-58-6	1,1-Dichloropropene	ND		3.3	2.0
87-61-6	1,2,3-Trichlorobenzene	ND		3.3	1.5
96-18-4	1,2,3-Trichloropropane	ND		3.3	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		3.3	1.3
95-63-6	1,2,4-Trimethylbenzene	ND		3.3	1.9
96-12-8	1,2-Dibromo-3-Chloropropane	ND		33	3.7
95-50-1	1,2-Dichlorobenzene	ND		3.3	1.3
107-06-2	1,2-Dichloroethane	ND		3.3	1.3
78-87-5	1,2-Dichloropropane	ND		3.3	2.1
108-67-8	1,3,5-Trimethylbenzene	ND		3.3	2.0
541-73-1	1,3-Dichlorobenzene	ND		3.3	1.3
142-28-9	1,3-Dichloropropane	ND		3.3	1.5
106-46-7	1,4-Dichlorobenzene	ND		3.3	1.3
123-91-1	1,4-Dioxane	ND		330	130
594-20-7	2,2-Dichloropropane	ND		3.3	2.8
78-93-3	2-Butanone (MEK)	ND		33	14
95-49-8	2-Chlorotoluene	ND		3.3	1.7
591-78-6	2-Hexanone	ND		33	19
106-43-4	4-Chlorotoluene	ND		3.3	1.6
99-87-6	4-Isopropyltoluene	2.6	J	3.3	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		33	13
67-64-1	Acetone	62	J B	330	23
71-43-2	Benzene	ND		3.3	2.1
108-86-1	Bromobenzene	ND		3.3	1.3
75-25-2	Bromoform	ND		3.3	2.1
74-83-9	Bromomethane	ND		6.6	3.0
75-15-0	Carbon disulfide	ND		3.3	2.5
56-23-5	Carbon tetrachloride	ND		3.3	2.2
108-90-7	Chlorobenzene	ND		3.3	1.6
74-97-5	Chlorobromomethane	ND		3.3	1.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: V50613.D

Analysis Method: 8260C | Date Collected: 12/09/2010 15:45

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.3	1.6
75-00-3	Chloroethane	ND		6.6	2.6
67-66-3	Chloroform	ND		3.3	2.0
74-87-3	Chloromethane	ND		6.6	2.1
156-59-2	cis-1,2-Dichloroethene	ND		3.3	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		3.3	1.3
74-95-3	Dibromomethane	ND		3.3	1.7
75-27-4	Dichlorobromomethane	ND		3.3	1.7
75-71-8	Dichlorodifluoromethane	ND	*	6.6	2.8
60-29-7	Ethyl ether	ND		3.3	1.4
100-41-4	Ethylbenzene	ND		3.3	2.4
106-93-4	Ethylene Dibromide	ND		3.3	1.5
87-68-3	Hexachlorobutadiene	ND		3.3	2.0
108-20-3	Isopropyl ether	ND		3.3	1.5
98-82-8	Isopropylbenzene	ND		3.3	2.0
179601-23-1	m-Xylene & p-Xylene	ND		6.6	4.6
1634-04-4	Methyl tert-butyl ether	ND		3.3	2.0
75-09-2	Methylene Chloride	ND		13	13
104-51-8	n-Butylbenzene	ND		3.3	1.6
103-65-1	N-Propylbenzene	ND		3.3	2.2
91-20-3	Naphthalene	ND		33	3.0
95-47-6	o-Xylene	ND		3.3	1.7
135-98-8	sec-Butylbenzene	ND		3.3	1.9
100-42-5	Styrene	ND		3.3	1.3
994-05-8	Tert-amyl methyl ether	ND		3.3	2.0
637-92-3	Tert-butyl ethyl ether	ND		3.3	1.9
98-06-6	tert-Butylbenzene	ND		3.3	1.9
127-18-4	Tetrachloroethene	ND		3.3	2.4
109-99-9	Tetrahydrofuran	ND		33	16
108-88-3	Toluene	ND		3.3	2.4
156-60-5	trans-1,2-Dichloroethene	ND		3.3	2.1
10061-02-6	trans-1,3-Dichloropropene	ND		3.3	1.4
79-01-6	Trichloroethene	ND		3.3	2.8
75-69-4	Trichlorofluoromethane	ND		6.6	1.9
75-01-4	Vinyl chloride	ND		3.3	2.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: V50613.D

Analysis Method: 8260C | Date Collected: 12/09/2010 15:45

Sample wt/vol: 5.04(g) | Date Analyzed: 12/17/2010 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		6.6	2.2
107-40-4	2,4,4-Trimethyl-2-pentene	ND		6.6	1.4
110-82-7	Cyclohexane	ND		33	1.3
79-20-9	Methyl acetate	ND		66	19
108-87-2	Methylcyclohexane	ND		3.3	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
1868-53-7	Dibromofluoromethane	100		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX Lab Sample ID: 360-31465-6

Matrix: Solid Lab File ID: V50613.D

Analysis Method: 8260C Date Collected: 12/09/2010 15:45

Sample wt/vol: 5.04(g) Date Analyzed: 12/17/2010 19:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 24.9 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50613.D
Lims ID: 360-31465-A-6-D
Client ID: OC-SD-SD-SD3-XXX
Inject. Date: 17-Dec-2010 19:35:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-6
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 13
Lims Batch ID: 67368
Lims Sample ID: 12
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:00:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.171	4.182	-0.011	95	1503	0.4368	
17 Acetone	43	4.221	4.224	-0.003	98	4008	9.42	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43	4.348	4.350	-0.002	90	848	0.6852	
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.780	5.783	-0.003	93	52051	20.0	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.881	5.884	-0.003	70	1133	1.70	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.227	6.230	-0.003	0	10327	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.446	6.449	-0.003	99	212422	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.676	7.671	0.005	92	192159	20.4	
61 Toluene	92	7.718	7.713	0.005	92	864	0.1229	
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.864	8.867	-0.003	84	141031	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.791	9.794	-0.003	81	72419	20.2	
$ 124 BFB (tune)	95	9.791	9.830	-0.039	99	72419	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119	10.550	10.553	-0.003	97	4814	0.3868	
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.702	10.704	-0.002	97	39429	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50613.D		
Lims ID:	360-31465-A-6-D	Client ID:	OC-SD-SD-SD3-XXX
Inject. Date:	17-Dec-2010 19:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-6		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	67368	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:00:33

Calibrated Tentative Identified Compound Results

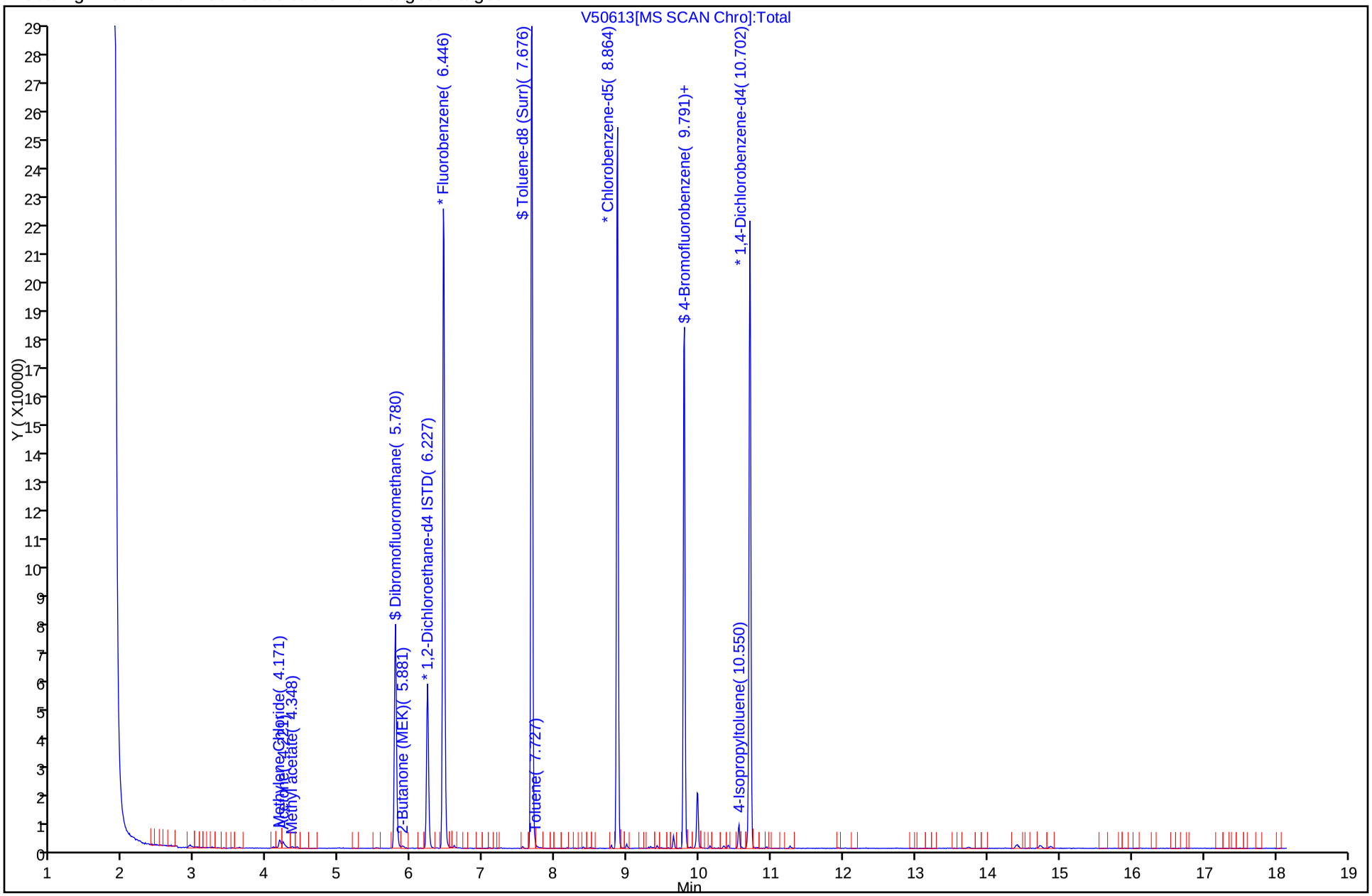
Compound	RT	Response	Amount ug/L	Flags
BFB	9.791	72465		

Report Date: 20-Dec-2010 10:00:33 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50613.D

Injection Date:	17-Dec-2010 19:35:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	12
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:00:33 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50613.D

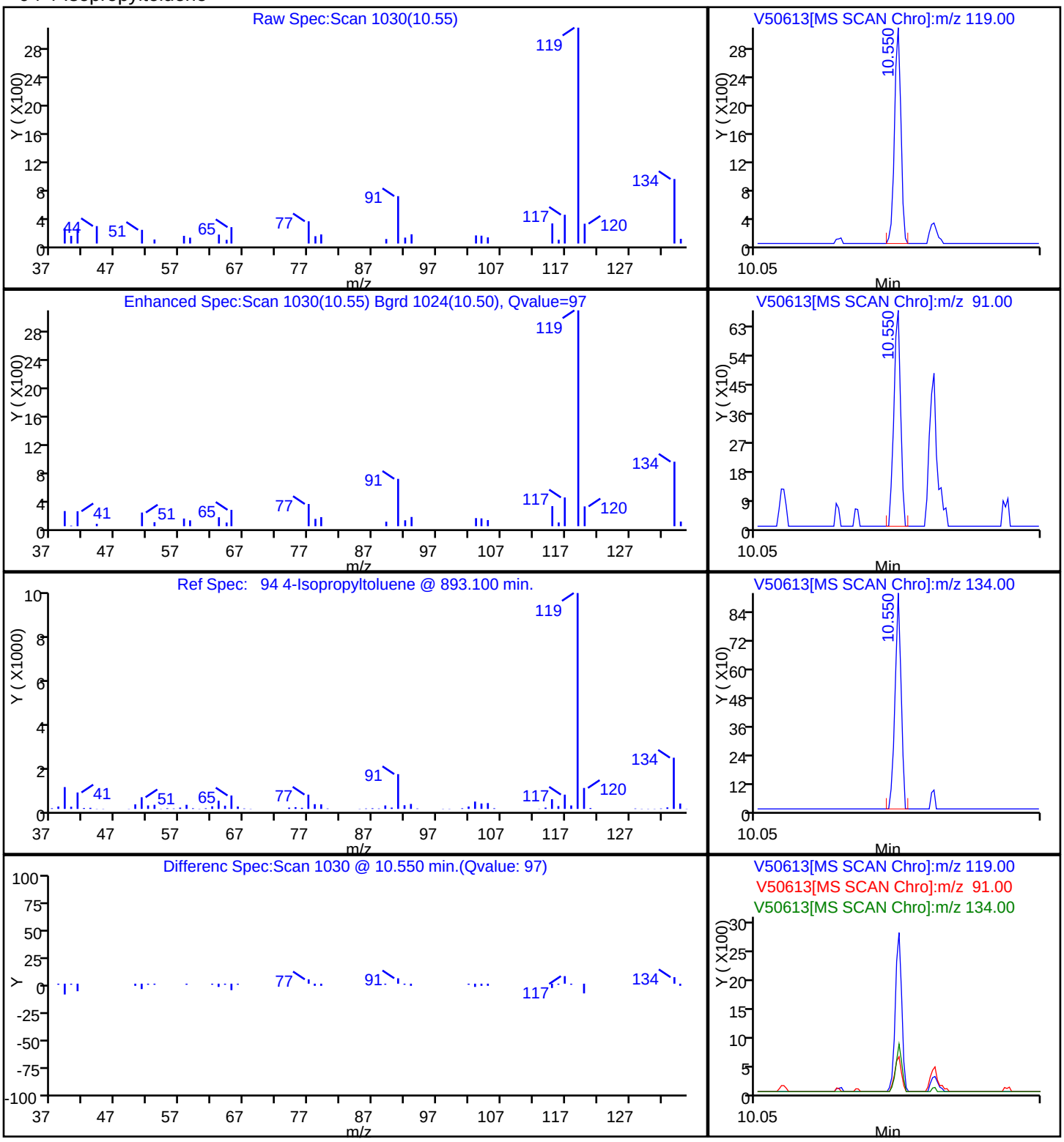
Injection Date: 17-Dec-2010 19:35:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-SD3-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 12

Operator ID: CR

94 4-Isopropyltoluene



Report Date: 20-Dec-2010 10:00:33 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50613.D

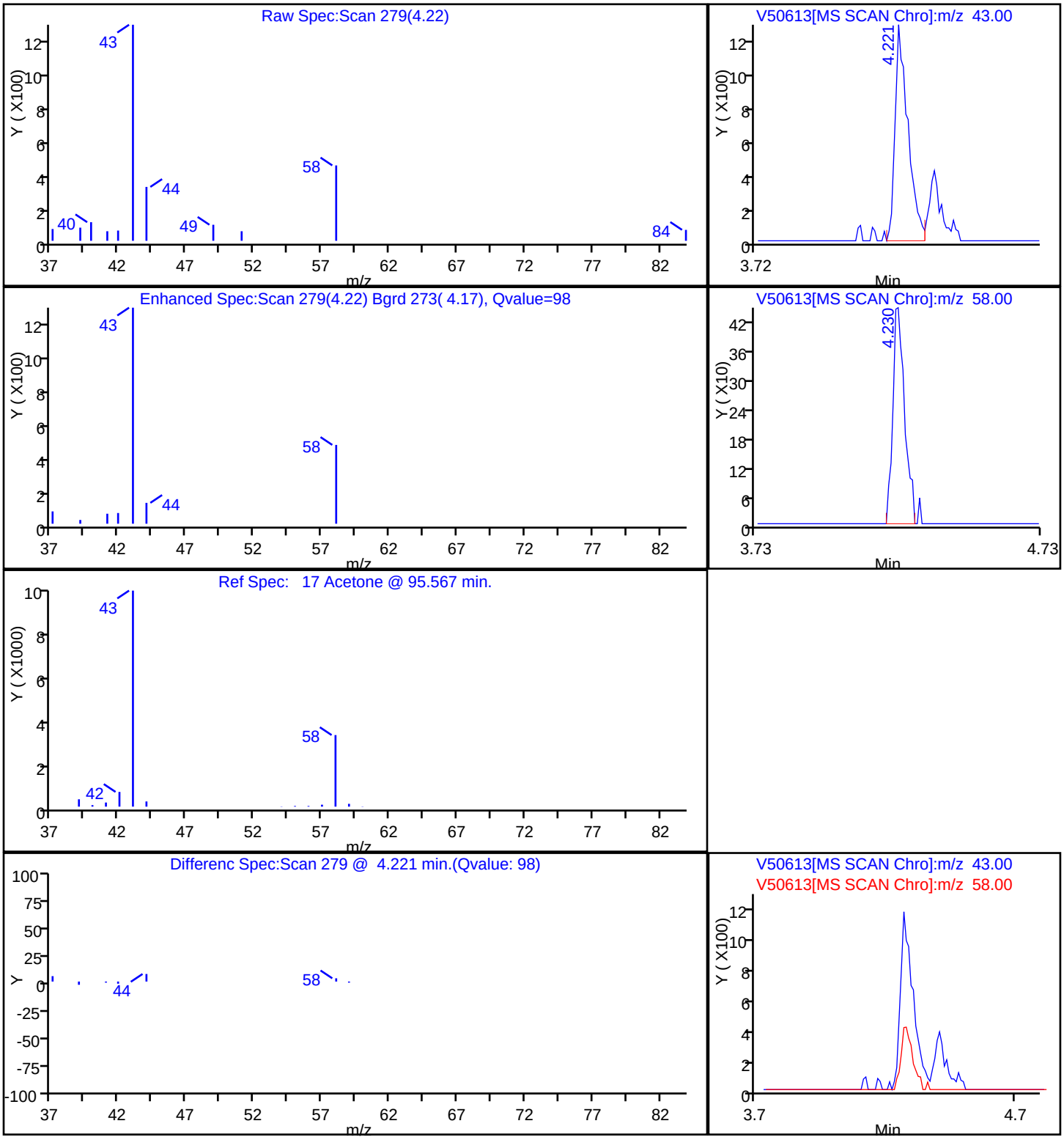
Injection Date: 17-Dec-2010 19:35:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-SD3-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 12

Operator ID: CR

17 Acetone

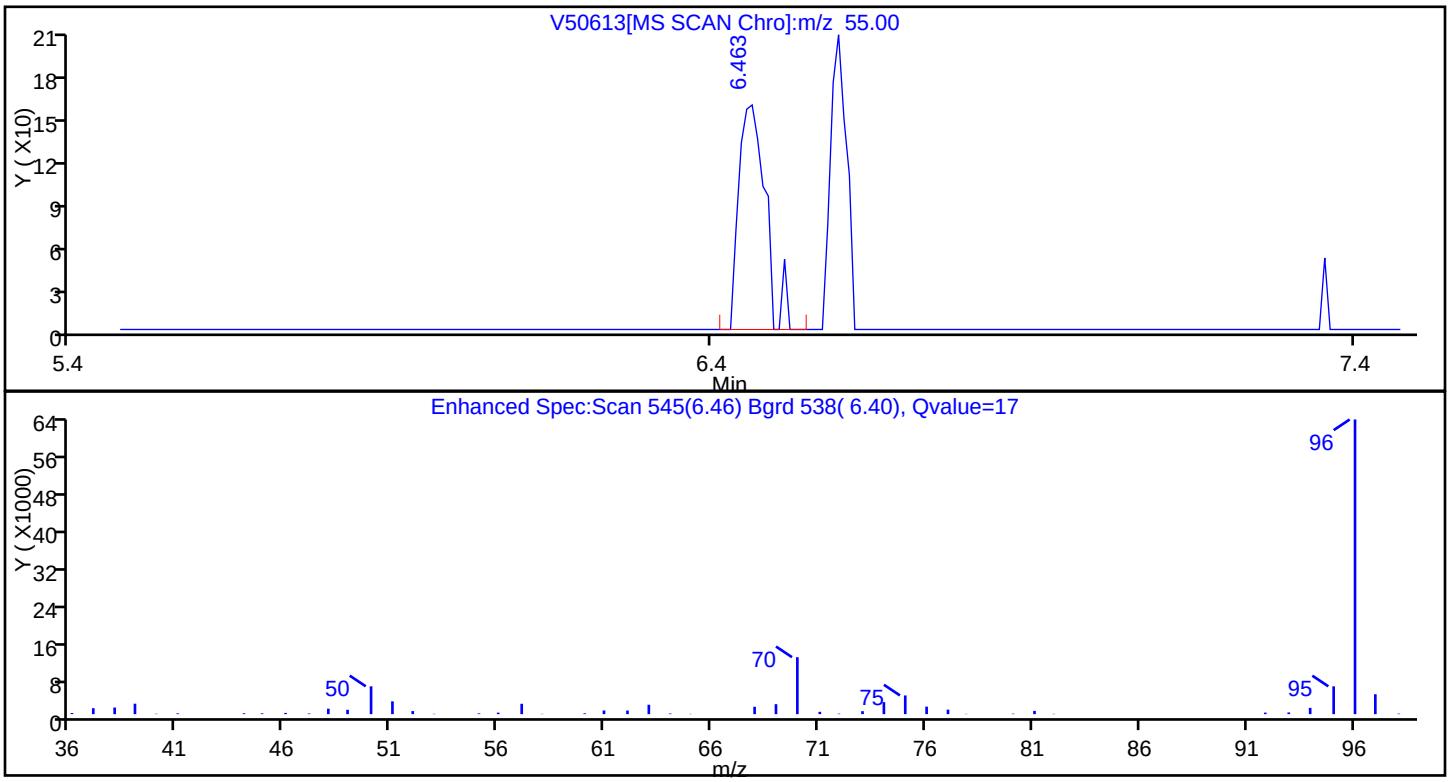


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50613.D		
Injection Date:	17-Dec-2010 19:35:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	12
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.46	55.00	457	0.153844
6.45	97.00	14331	

Reviewer: rouleauc, 20-Dec-2010 10:00:33
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: V50614.D

Analysis Method: 8260C | Date Collected: 12/09/2010 14:40

Sample wt/vol: 7.00(g) | Date Analyzed: 12/17/2010 19:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.3	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.3	1.8
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.3	0.92
79-00-5	1,1,2-Trichloroethane	ND		2.3	0.92
75-34-3	1,1-Dichloroethane	ND		2.3	1.8
75-35-4	1,1-Dichloroethene	ND		2.3	1.5
563-58-6	1,1-Dichloropropene	ND		2.3	1.4
87-61-6	1,2,3-Trichlorobenzene	ND		2.3	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.3	1.1
120-82-1	1,2,4-Trichlorobenzene	ND		2.3	0.92
95-63-6	1,2,4-Trimethylbenzene	ND		2.3	1.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		23	2.6
95-50-1	1,2-Dichlorobenzene	ND		2.3	0.92
107-06-2	1,2-Dichloroethane	ND		2.3	0.92
78-87-5	1,2-Dichloropropane	ND		2.3	1.5
108-67-8	1,3,5-Trimethylbenzene	ND		2.3	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.3	0.92
142-28-9	1,3-Dichloropropane	ND		2.3	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.3	0.92
123-91-1	1,4-Dioxane	ND		230	92
594-20-7	2,2-Dichloropropane	ND		2.3	1.9
78-93-3	2-Butanone (MEK)	ND		23	10
95-49-8	2-Chlorotoluene	ND		2.3	1.2
591-78-6	2-Hexanone	ND		23	13
106-43-4	4-Chlorotoluene	ND		2.3	1.1
99-87-6	4-Isopropyltoluene	ND		2.3	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	9.4
67-64-1	Acetone	36	J B	230	16
71-43-2	Benzene	ND		2.3	1.5
108-86-1	Bromobenzene	ND		2.3	0.92
75-25-2	Bromoform	ND		2.3	1.5
74-83-9	Bromomethane	ND		4.6	2.1
75-15-0	Carbon disulfide	ND		2.3	1.8
56-23-5	Carbon tetrachloride	ND		2.3	1.6
108-90-7	Chlorobenzene	ND		2.3	1.1
74-97-5	Chlorobromomethane	ND		2.3	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: V50614.D

Analysis Method: 8260C | Date Collected: 12/09/2010 14:40

Sample wt/vol: 7.00(g) | Date Analyzed: 12/17/2010 19:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.3	1.1
75-00-3	Chloroethane	ND		4.6	1.8
67-66-3	Chloroform	ND		2.3	1.4
74-87-3	Chloromethane	ND		4.6	1.5
156-59-2	cis-1,2-Dichloroethene	ND		2.3	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.3	0.92
74-95-3	Dibromomethane	ND		2.3	1.2
75-27-4	Dichlorobromomethane	ND		2.3	1.2
75-71-8	Dichlorodifluoromethane	ND	*	4.6	1.9
60-29-7	Ethyl ether	ND		2.3	0.98
100-41-4	Ethylbenzene	ND		2.3	1.7
106-93-4	Ethylene Dibromide	ND		2.3	1.0
87-68-3	Hexachlorobutadiene	ND		2.3	1.4
108-20-3	Isopropyl ether	ND		2.3	1.0
98-82-8	Isopropylbenzene	ND		2.3	1.4
179601-23-1	m-Xylene & p-Xylene	ND		4.6	3.2
1634-04-4	Methyl tert-butyl ether	ND		2.3	1.4
75-09-2	Methylene Chloride	ND		9.2	9.0
104-51-8	n-Butylbenzene	ND		2.3	1.1
103-65-1	N-Propylbenzene	ND		2.3	1.6
91-20-3	Naphthalene	ND		23	2.1
95-47-6	o-Xylene	ND		2.3	1.2
135-98-8	sec-Butylbenzene	ND		2.3	1.3
100-42-5	Styrene	ND		2.3	0.92
994-05-8	Tert-amyl methyl ether	ND		2.3	1.4
637-92-3	Tert-butyl ethyl ether	ND		2.3	1.3
98-06-6	tert-Butylbenzene	ND		2.3	1.3
127-18-4	Tetrachloroethene	ND		2.3	1.7
109-99-9	Tetrahydrofuran	ND		23	11
108-88-3	Toluene	ND		2.3	1.7
156-60-5	trans-1,2-Dichloroethene	ND		2.3	1.5
10061-02-6	trans-1,3-Dichloropropene	ND		2.3	0.96
79-01-6	Trichloroethene	ND		2.3	1.9
75-69-4	Trichlorofluoromethane	ND		4.6	1.3
75-01-4	Vinyl chloride	ND		2.3	1.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: V50614.D

Analysis Method: 8260C Date Collected: 12/09/2010 14:40

Sample wt/vol: 7.00(g) Date Analyzed: 12/17/2010 19:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.5 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.6	1.5
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.6	1.0
110-82-7	Cyclohexane	ND		23	0.92
79-20-9	Methyl acetate	ND		46	13
108-87-2	Methylcyclohexane	ND		2.3	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
1868-53-7	Dibromofluoromethane	100		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: V50614.D

Analysis Method: 8260C Date Collected: 12/09/2010 14:40

Sample wt/vol: 7.00(g) Date Analyzed: 12/17/2010 19:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.5 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50614.D
Lims ID: 360-31465-A-7-D
Client ID: OC-SD-SDSW-E-XXX
Inject. Date: 17-Dec-2010 19:59:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-7
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 14
Lims Batch ID: 67368
Lims Sample ID: 13
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:01:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.185	4.182	0.003	93	1453	0.4378	
17 Acetone	43	4.227	4.224	0.003	86	3183	7.76	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	92	50364	20.1	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.887	5.884	0.003	70	606	0.9449	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.224	6.230	-0.006	0	9834	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.451	6.449	0.002	99	204888	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.673	7.671	0.002	92	183936	20.3	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.861	8.867	-0.006	85	133003	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.788	9.794	-0.006	80	68703	20.3	
$ 124 BFB (tune)	95	9.788	9.830	-0.042	100	68703	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.698	10.704	-0.006	97	38300	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

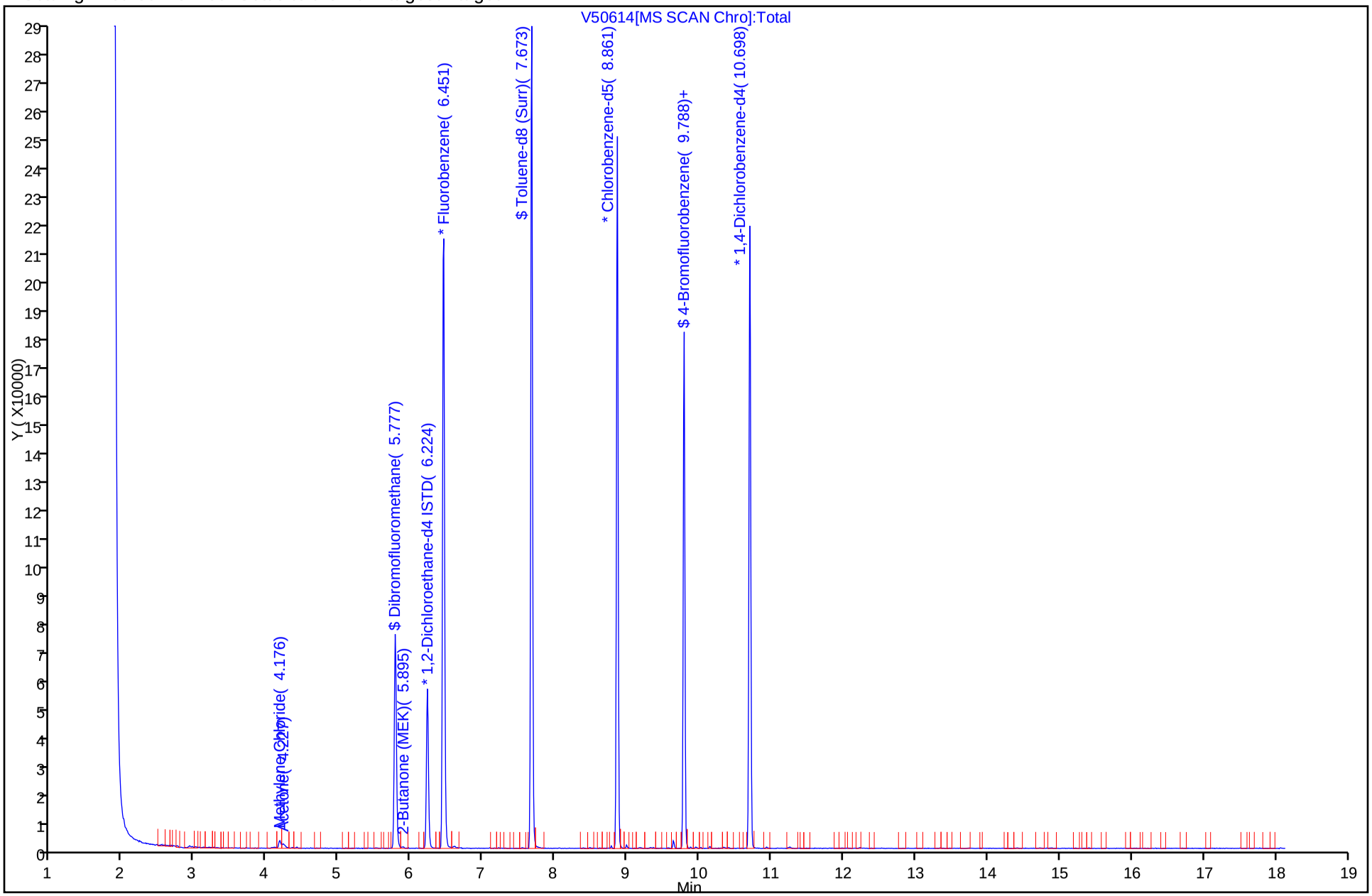
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50614.D		
Lims ID:	360-31465-A-7-D	Client ID:	OC-SD-SDSW-E-XXX
Inject. Date:	17-Dec-2010 19:59:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-7		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	67368	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:01:27

Calibrated Tentative Identified Compound Results

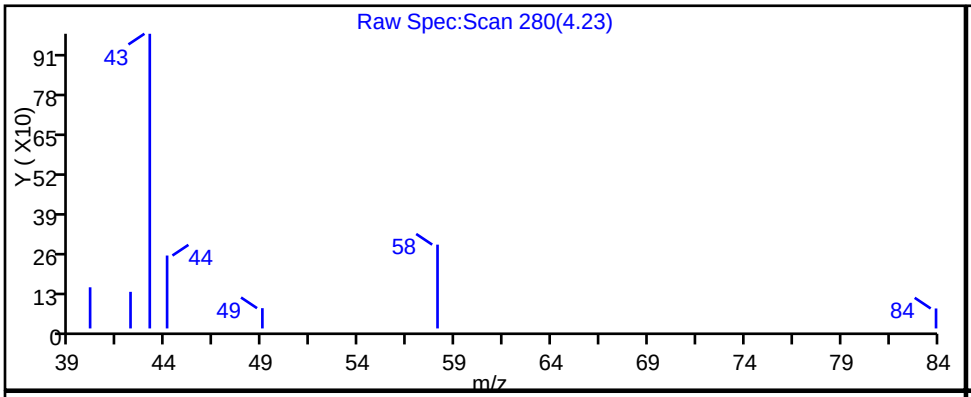
Compound	RT	Response	Amount ug/L	Flags
BFB	9.788	68676		

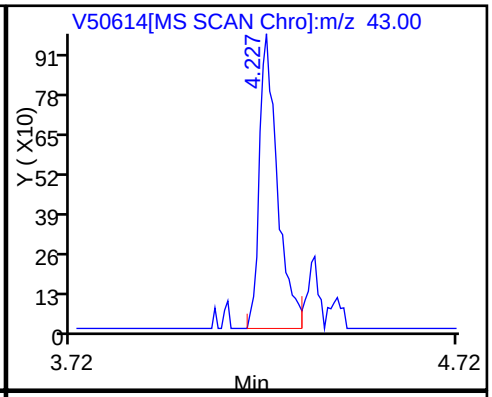
Report Date: 20-Dec-2010 10:01:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50614.D
Injection Date: 17-Dec-2010 19:59:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SDSW-E-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 13
Operator ID: CR
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

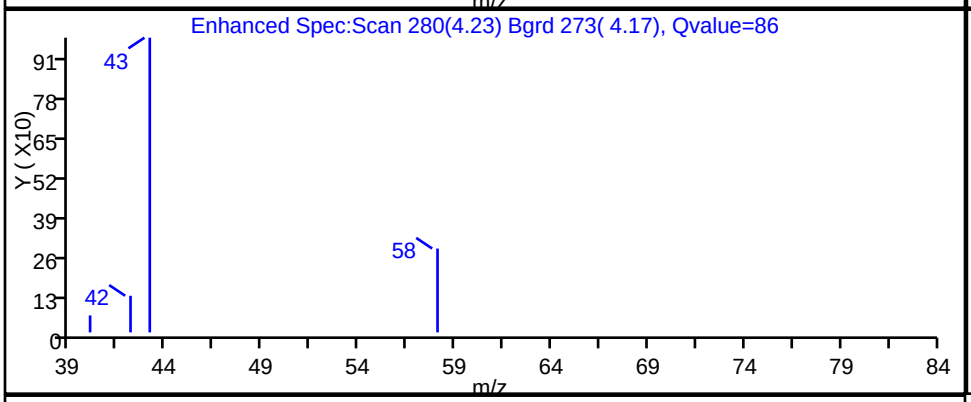


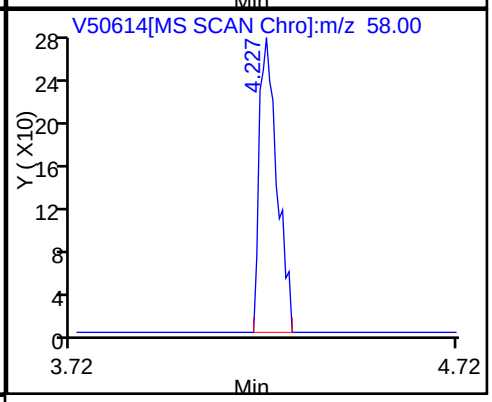
Report Date: 20-Dec-2010 10:01:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50614.D
Injection Date: 17-Dec-2010 19:59:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SDSW-E-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 13
Operator ID: CR

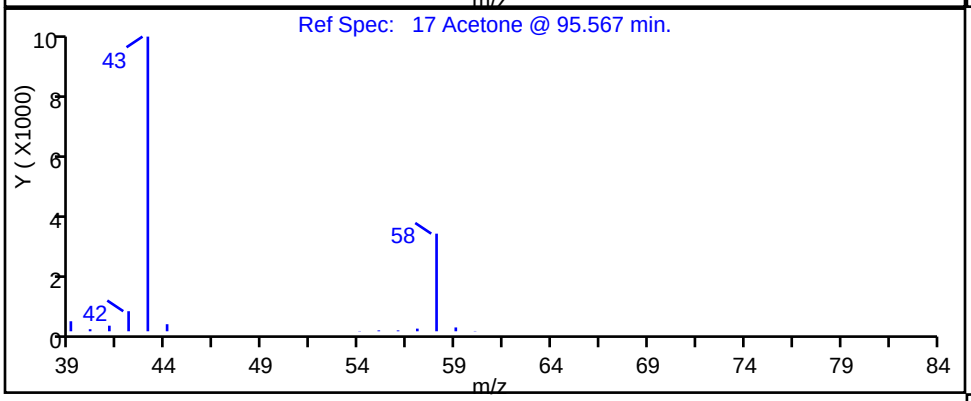
17 Acetone

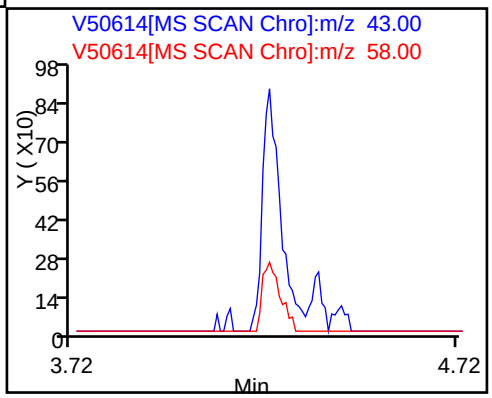












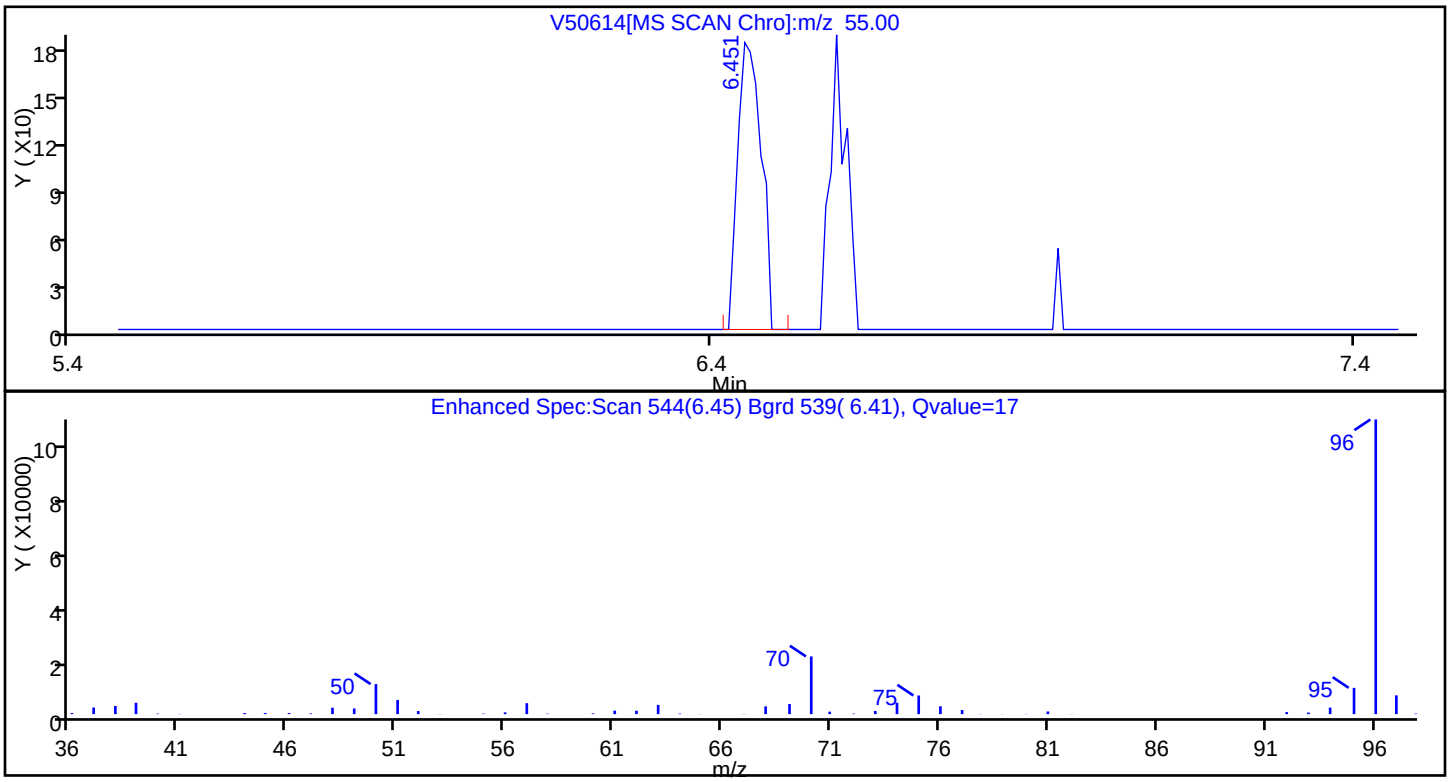
Report Date: 20-Dec-2010 10:01:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50614.D		
Injection Date:	17-Dec-2010 19:59:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	13
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.45	55.00	468	0.163340
6.44	97.00	13490	

Reviewer: rouleauc, 20-Dec-2010 10:01:27
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-064 | Lab Sample ID: 360-31465-8

Matrix: Solid | Lab File ID: V50615.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 20:24

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.: 67368 | 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
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
123-91-1	1,4-Dioxane	ND		250	100
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	23	J B	250	17
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
74-97-5	Chlorobromomethane	ND		2.5	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-064 | Lab Sample ID: 360-31465-8

Matrix: Solid | Lab File ID: V50615.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 20:24

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.: 67368 | 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
60-29-7	Ethyl ether	ND		2.5	1.1
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
108-20-3	Isopropyl ether	ND		2.5	1.1
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
994-05-8	Tert-amyl methyl ether	ND		2.5	1.5
637-92-3	Tert-butyl ethyl ether	ND		2.5	1.4
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		25	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
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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-064 | Lab Sample ID: 360-31465-8

Matrix: Solid | Lab File ID: V50615.D

Analysis Method: 8260C | Date Collected: 12/09/2010 08:45

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 20:24

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.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.6
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.1
110-82-7	Cyclohexane	ND		25	1.0
79-20-9	Methyl acetate	ND		50	14
108-87-2	Methylcyclohexane	ND		2.5	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130
1868-53-7	Dibromofluoromethane	97		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-064 Lab Sample ID: 360-31465-8

Matrix: Solid Lab File ID: V50615.D

Analysis Method: 8260C Date Collected: 12/09/2010 08:45

Sample wt/vol: 5.00(g) Date Analyzed: 12/17/2010 20:24

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.: 67368 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50615.D		
Lims ID:	360-31465-A-8-A	Client ID:	OC-TBK-064
Inject. Date:	17-Dec-2010 20:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-8		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	67368	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:02:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.175	4.182	-0.007	92	1668	0.5004	
17 Acetone	43	4.226	4.224	0.002	81	1895	4.60	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	93	48973	19.4	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43		5.884					
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.223	6.230	-0.007	0	9852	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.451	6.449	0.002	99	205790	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.673	7.671	0.002	92	188685	20.7	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.861	8.867	-0.006	85	135407	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.788	9.794	-0.006	77	71171	20.7	
$ 124 BFB (tune)	95	9.788	9.830	-0.042	97	71171	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.698	10.704	-0.006	97	38407	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50615.D		
Lims ID:	360-31465-A-8-A	Client ID:	OC-TBK-064
Inject. Date:	17-Dec-2010 20:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-8		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	67368	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:02:34

Calibrated Tentative Identified Compound Results

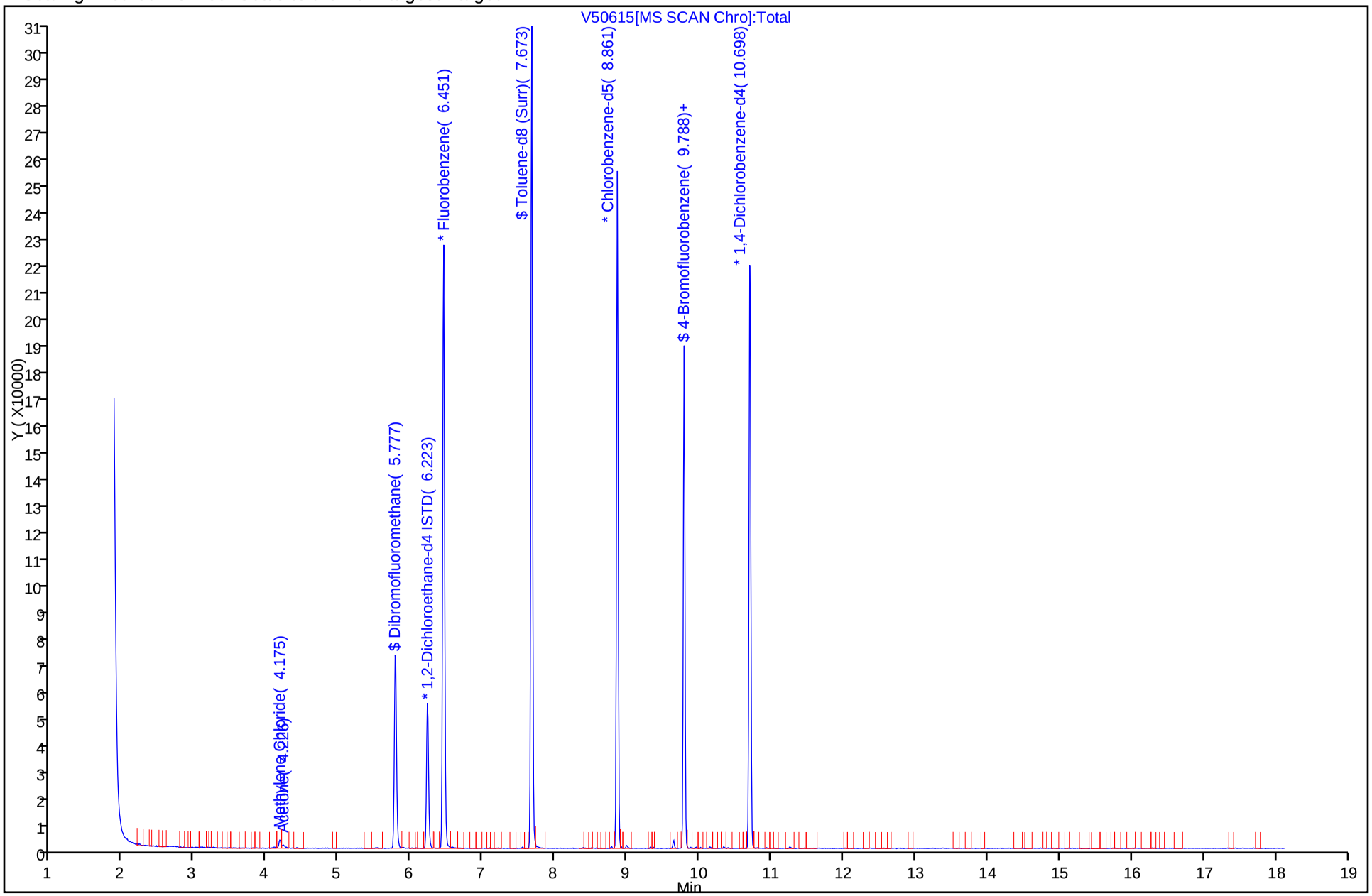
Compound	RT	Response	Amount ug/L	Flags
BFB	9.788	71176		

Report Date: 20-Dec-2010 10:02:34 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50615.D

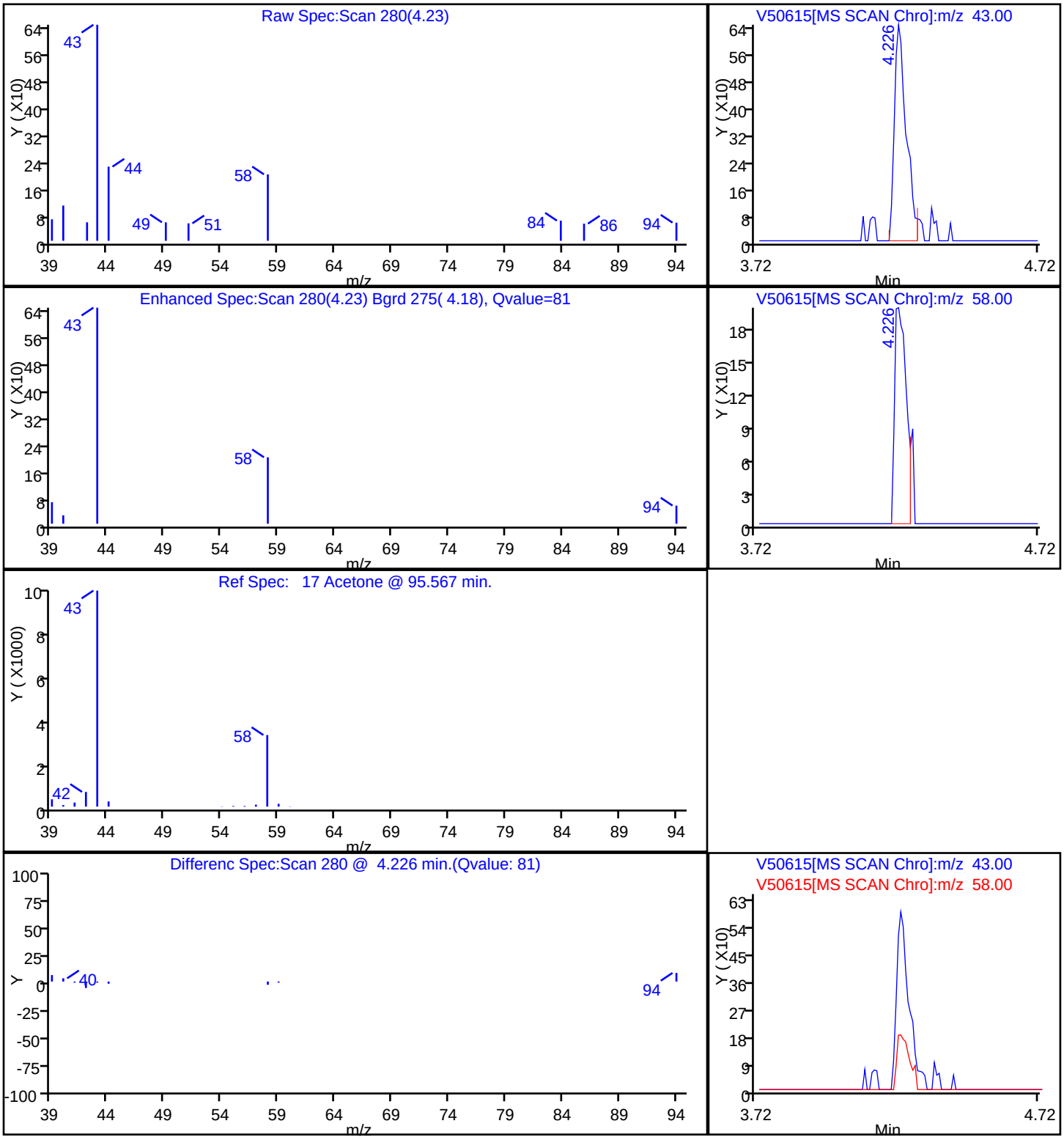
Injection Date:	17-Dec-2010 20:24:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-TBK-064	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	14
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:02:34 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50615.D
Injection Date: 17-Dec-2010 20:24:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-TBK-064 Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 14
Operator ID: CR

17 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: V50616.D

Analysis Method: 8260C | Date Collected: 12/10/2010 13:15

Sample wt/vol: 6.20(g) | Date Analyzed: 12/17/2010 20:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.1 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.5	1.7
71-55-6	1,1,1-Trichloroethane	ND		3.5	2.8
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.5	1.4
79-00-5	1,1,2-Trichloroethane	ND		3.5	1.4
75-34-3	1,1-Dichloroethane	ND		3.5	2.6
75-35-4	1,1-Dichloroethene	ND		3.5	2.2
563-58-6	1,1-Dichloropropene	ND		3.5	2.1
87-61-6	1,2,3-Trichlorobenzene	ND		3.5	1.5
96-18-4	1,2,3-Trichloropropane	ND		3.5	1.7
120-82-1	1,2,4-Trichlorobenzene	ND		3.5	1.4
95-63-6	1,2,4-Trimethylbenzene	ND		3.5	1.9
96-12-8	1,2-Dibromo-3-Chloropropane	ND		35	3.9
95-50-1	1,2-Dichlorobenzene	ND		3.5	1.4
107-06-2	1,2-Dichloroethane	ND		3.5	1.4
78-87-5	1,2-Dichloropropane	ND		3.5	2.2
108-67-8	1,3,5-Trimethylbenzene	ND		3.5	2.1
541-73-1	1,3-Dichlorobenzene	ND		3.5	1.4
142-28-9	1,3-Dichloropropane	ND		3.5	1.6
106-46-7	1,4-Dichlorobenzene	ND		3.5	1.4
123-91-1	1,4-Dioxane	ND		350	140
594-20-7	2,2-Dichloropropane	ND		3.5	2.9
78-93-3	2-Butanone (MEK)	ND		35	15
95-49-8	2-Chlorotoluene	ND		3.5	1.8
591-78-6	2-Hexanone	ND		35	19
106-43-4	4-Chlorotoluene	ND		3.5	1.7
99-87-6	4-Isopropyltoluene	ND		3.5	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		35	14
67-64-1	Acetone	70	J B	350	24
71-43-2	Benzene	ND		3.5	2.2
108-86-1	Bromobenzene	ND		3.5	1.4
75-25-2	Bromoform	ND		3.5	2.2
74-83-9	Bromomethane	ND		7.0	3.2
75-15-0	Carbon disulfide	ND		3.5	2.6
56-23-5	Carbon tetrachloride	ND		3.5	2.4
108-90-7	Chlorobenzene	ND		3.5	1.7
74-97-5	Chlorobromomethane	ND		3.5	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: V50616.D

Analysis Method: 8260C | Date Collected: 12/10/2010 13:15

Sample wt/vol: 6.20(g) | Date Analyzed: 12/17/2010 20:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.1 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.5	1.7
75-00-3	Chloroethane	ND		7.0	2.8
67-66-3	Chloroform	ND		3.5	2.1
74-87-3	Chloromethane	ND		7.0	2.2
156-59-2	cis-1,2-Dichloroethene	ND		3.5	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		3.5	1.4
74-95-3	Dibromomethane	ND		3.5	1.8
75-27-4	Dichlorobromomethane	ND		3.5	1.8
75-71-8	Dichlorodifluoromethane	ND	*	7.0	2.9
60-29-7	Ethyl ether	ND		3.5	1.5
100-41-4	Ethylbenzene	ND		3.5	2.5
106-93-4	Ethylene Dibromide	ND		3.5	1.6
87-68-3	Hexachlorobutadiene	ND		3.5	2.1
108-20-3	Isopropyl ether	ND		3.5	1.6
98-82-8	Isopropylbenzene	ND		3.5	2.1
179601-23-1	m-Xylene & p-Xylene	ND		7.0	4.9
1634-04-4	Methyl tert-butyl ether	ND		3.5	2.1
75-09-2	Methylene Chloride	ND		14	14
104-51-8	n-Butylbenzene	ND		3.5	1.7
103-65-1	N-Propylbenzene	ND		3.5	2.4
91-20-3	Naphthalene	ND		35	3.2
95-47-6	o-Xylene	ND		3.5	1.8
135-98-8	sec-Butylbenzene	ND		3.5	1.9
100-42-5	Styrene	ND		3.5	1.4
994-05-8	Tert-amyl methyl ether	ND		3.5	2.1
637-92-3	Tert-butyl ethyl ether	ND		3.5	2.0
98-06-6	tert-Butylbenzene	ND		3.5	1.9
127-18-4	Tetrachloroethene	ND		3.5	2.5
109-99-9	Tetrahydrofuran	ND		35	17
108-88-3	Toluene	ND		3.5	2.5
156-60-5	trans-1,2-Dichloroethene	ND		3.5	2.2
10061-02-6	trans-1,3-Dichloropropene	ND		3.5	1.4
79-01-6	Trichloroethene	ND		3.5	2.9
75-69-4	Trichlorofluoromethane	ND		7.0	2.0
75-01-4	Vinyl chloride	ND		3.5	2.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: V50616.D

Analysis Method: 8260C | Date Collected: 12/10/2010 13:15

Sample wt/vol: 6.20(g) | Date Analyzed: 12/17/2010 20:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.1 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		7.0	2.3
107-40-4	2,4,4-Trimethyl-2-pentene	ND		7.0	1.5
110-82-7	Cyclohexane	ND		35	1.4
79-20-9	Methyl acetate	ND		70	19
108-87-2	Methylcyclohexane	ND		3.5	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
1868-53-7	Dibromofluoromethane	97		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX Lab Sample ID: 360-31465-9

Matrix: Solid Lab File ID: V50616.D

Analysis Method: 8260C Date Collected: 12/10/2010 13:15

Sample wt/vol: 6.20(g) Date Analyzed: 12/17/2010 20:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.1 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50616.D
Lims ID: 360-31465-D-9-A
Client ID: OC-SD-OPWD-1-XXX
Inject. Date: 17-Dec-2010 20:48:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-D-9
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 16
Lims Batch ID: 67368
Lims Sample ID: 15
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:06:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76	3.607	3.617	-0.010	53	1189	0.1003	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.172	4.182	-0.010	93	1653	0.4781	
17 Acetone	43	4.222	4.224	-0.002	99	4325	10.1	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.781	5.783	-0.002	92	50504	19.3	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.882	5.884	-0.002	96	1119	1.67	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.228	6.230	-0.002	0	9474	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.447	6.449	-0.002	99	213481	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.669	7.671	-0.002	92	192979	20.4	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.857	8.867	-0.010	86	138428	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.784	9.794	-0.010	74	69948	19.9	
$ 124 BFB (tune)	95	9.784	9.830	-0.046	94	69948	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.702	10.704	-0.002	96	38494	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

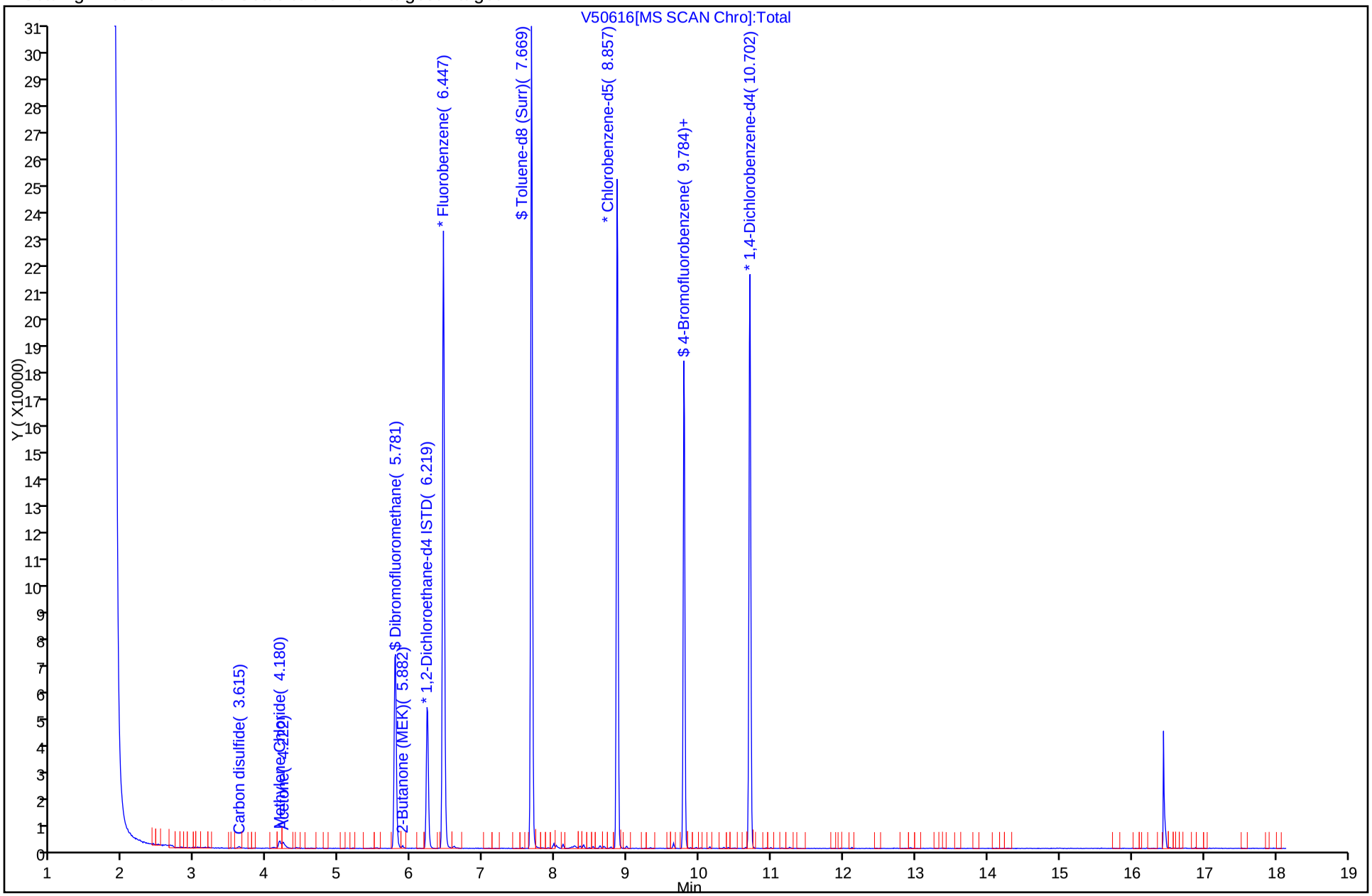
TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50616.D		
Lims ID:	360-31465-D-9-A	Client ID:	OC-SD-OPWD-1-XXX
Inject. Date:	17-Dec-2010 20:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-D-9		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	67368	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:06:41

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
BFB	9.784	69834		

Report Date: 20-Dec-2010 10:06:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50616.D
Injection Date: 17-Dec-2010 20:48:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-OPWD-1-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 15
Operator ID: CR
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:06:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50616.D

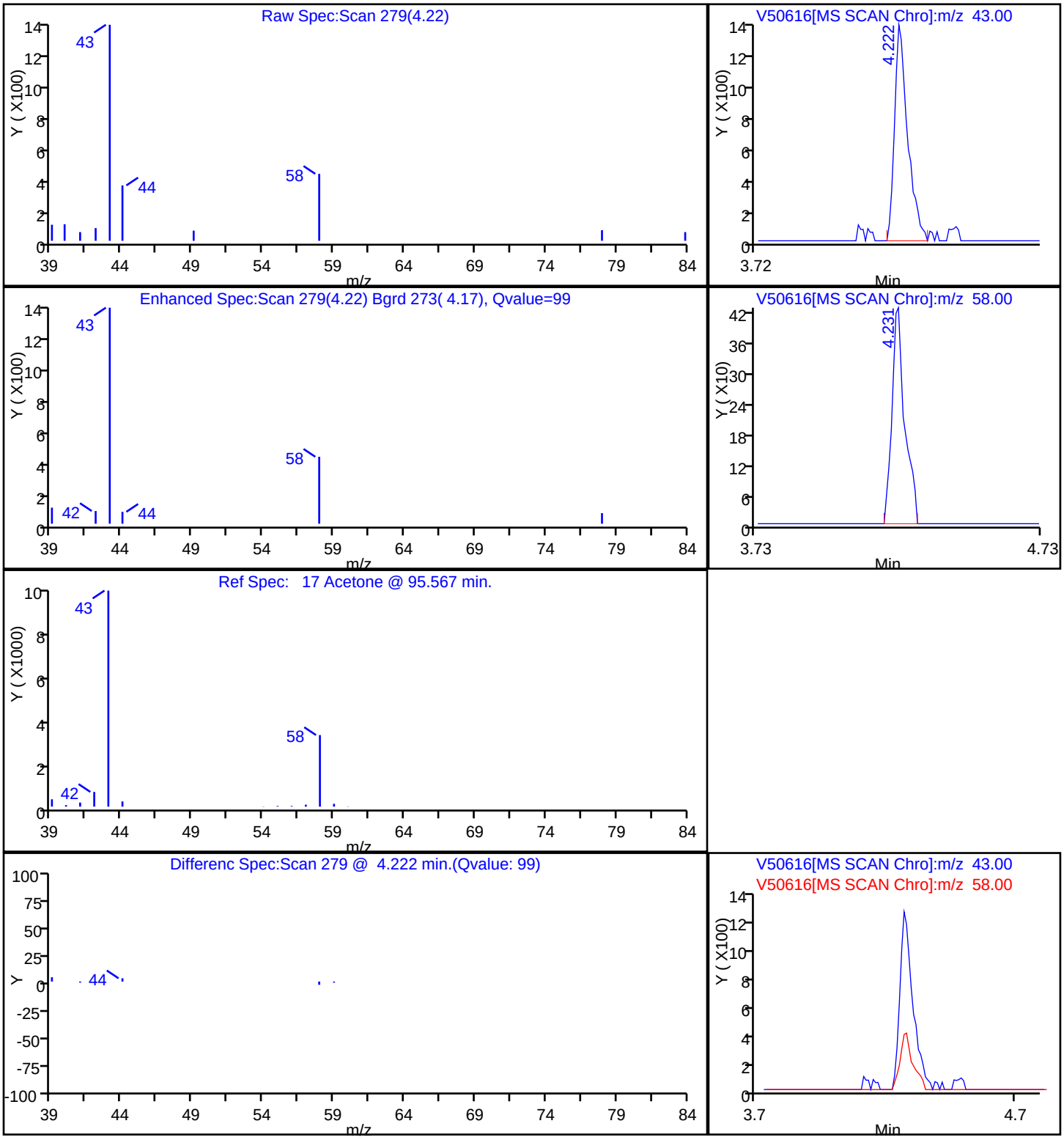
Injection Date: 17-Dec-2010 20:48:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-OPWD-1-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 15

Operator ID: CR

17 Acetone

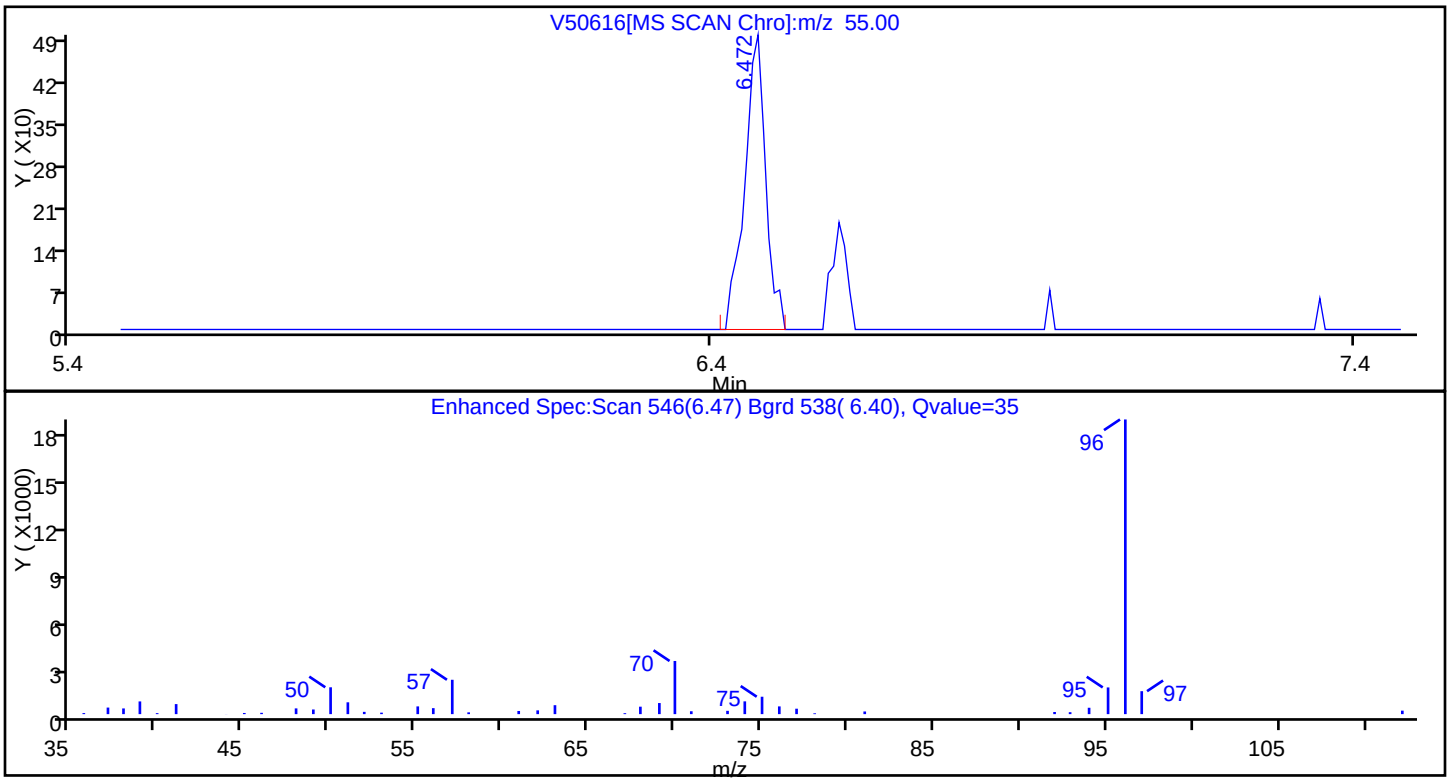


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50616.D		
Injection Date:	17-Dec-2010 20:48:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	15
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.47	55.00	1123	0.376170

Reviewer: rouleauc, 20-Dec-2010 10:06:41
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: V50617.D

Analysis Method: 8260C | Date Collected: 12/10/2010 13:45

Sample wt/vol: 4.96(g) | Date Analyzed: 12/17/2010 21:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 62.6 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.7	3.2
71-55-6	1,1,1-Trichloroethane	ND		6.7	5.4
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.7	2.7
79-00-5	1,1,2-Trichloroethane	ND		6.7	2.7
75-34-3	1,1-Dichloroethane	ND		6.7	5.1
75-35-4	1,1-Dichloroethene	ND		6.7	4.3
563-58-6	1,1-Dichloropropene	ND		6.7	4.0
87-61-6	1,2,3-Trichlorobenzene	ND		6.7	3.0
96-18-4	1,2,3-Trichloropropane	ND		6.7	3.2
120-82-1	1,2,4-Trichlorobenzene	ND		6.7	2.7
95-63-6	1,2,4-Trimethylbenzene	ND		6.7	3.8
96-12-8	1,2-Dibromo-3-Chloropropane	ND		67	7.6
95-50-1	1,2-Dichlorobenzene	ND		6.7	2.7
107-06-2	1,2-Dichloroethane	ND		6.7	2.7
78-87-5	1,2-Dichloropropane	ND		6.7	4.3
108-67-8	1,3,5-Trimethylbenzene	ND		6.7	4.0
541-73-1	1,3-Dichlorobenzene	ND		6.7	2.7
142-28-9	1,3-Dichloropropane	ND		6.7	3.1
106-46-7	1,4-Dichlorobenzene	ND		6.7	2.7
123-91-1	1,4-Dioxane	ND		670	270
594-20-7	2,2-Dichloropropane	ND		6.7	5.7
78-93-3	2-Butanone (MEK)	ND		67	29
95-49-8	2-Chlorotoluene	ND		6.7	3.5
591-78-6	2-Hexanone	ND		67	38
106-43-4	4-Chlorotoluene	ND		6.7	3.2
99-87-6	4-Isopropyltoluene	ND		6.7	4.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		67	28
67-64-1	Acetone	90	J B	670	46
71-43-2	Benzene	ND		6.7	4.3
108-86-1	Bromobenzene	ND		6.7	2.7
75-25-2	Bromoform	ND		6.7	4.3
74-83-9	Bromomethane	ND		13	6.2
75-15-0	Carbon disulfide	ND		6.7	5.1
56-23-5	Carbon tetrachloride	ND		6.7	4.6
108-90-7	Chlorobenzene	ND		6.7	3.2
74-97-5	Chlorobromomethane	ND		6.7	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: V50617.D

Analysis Method: 8260C | Date Collected: 12/10/2010 13:45

Sample wt/vol: 4.96(g) | Date Analyzed: 12/17/2010 21:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 62.6 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		6.7	3.2
75-00-3	Chloroethane	ND		13	5.4
67-66-3	Chloroform	ND		6.7	4.0
74-87-3	Chloromethane	ND		13	4.3
156-59-2	cis-1,2-Dichloroethene	ND		6.7	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		6.7	2.7
74-95-3	Dibromomethane	ND		6.7	3.4
75-27-4	Dichlorobromomethane	ND		6.7	3.5
75-71-8	Dichlorodifluoromethane	ND	*	13	5.7
60-29-7	Ethyl ether	ND		6.7	2.9
100-41-4	Ethylbenzene	ND		6.7	4.9
106-93-4	Ethylene Dibromide	ND		6.7	3.0
87-68-3	Hexachlorobutadiene	ND		6.7	4.0
108-20-3	Isopropyl ether	ND		6.7	3.0
98-82-8	Isopropylbenzene	ND		6.7	4.0
179601-23-1	m-Xylene & p-Xylene	ND		13	9.4
1634-04-4	Methyl tert-butyl ether	ND		6.7	4.0
75-09-2	Methylene Chloride	ND		27	26
104-51-8	n-Butylbenzene	ND		6.7	3.2
103-65-1	N-Propylbenzene	ND		6.7	4.6
91-20-3	Naphthalene	ND		67	6.2
95-47-6	o-Xylene	ND		6.7	3.5
135-98-8	sec-Butylbenzene	ND		6.7	3.8
100-42-5	Styrene	ND		6.7	2.7
994-05-8	Tert-amyl methyl ether	ND		6.7	4.0
637-92-3	Tert-butyl ethyl ether	ND		6.7	3.9
98-06-6	tert-Butylbenzene	ND		6.7	3.8
127-18-4	Tetrachloroethene	ND		6.7	4.9
109-99-9	Tetrahydrofuran	ND		67	33
108-88-3	Toluene	ND		6.7	4.9
156-60-5	trans-1,2-Dichloroethene	ND		6.7	4.3
10061-02-6	trans-1,3-Dichloropropene	ND		6.7	2.8
79-01-6	Trichloroethene	ND		6.7	5.7
75-69-4	Trichlorofluoromethane	ND		13	3.8
75-01-4	Vinyl chloride	ND		6.7	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		34	3.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: V50617.D

Analysis Method: 8260C | Date Collected: 12/10/2010 13:45

Sample wt/vol: 4.96(g) | Date Analyzed: 12/17/2010 21:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 62.6 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		13	4.4
107-40-4	2,4,4-Trimethyl-2-pentene	ND		13	2.9
110-82-7	Cyclohexane	ND		67	2.7
79-20-9	Methyl acetate	ND		130	38
108-87-2	Methylcyclohexane	ND		6.7	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	103		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX Lab Sample ID: 360-31465-10

Matrix: Solid Lab File ID: V50617.D

Analysis Method: 8260C Date Collected: 12/10/2010 13:45

Sample wt/vol: 4.96(g) Date Analyzed: 12/17/2010 21:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 62.6 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50617.D
Lims ID: 360-31465-D-10-A
Client ID: OC-SD-OPWD-2-XXX
Inject. Date: 17-Dec-2010 21:12:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-D-10
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 17
Lims Batch ID: 67368
Lims Sample ID: 16
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:07:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.175	4.182	-0.007	94	1662	0.4986	
17 Acetone	43	4.226	4.224	0.002	98	2741	6.65	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	92	49263	19.5	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43		5.884					
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.223	6.230	-0.007	0	9854	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.442	6.449	-0.007	99	205810	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.673	7.671	0.002	92	183542	20.1	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.861	8.867	-0.006	84	134240	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.788	9.794	-0.006	80	69895	20.5	
$ 124 BFB (tune)	95	9.788	9.830	-0.042	100	69895	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.698	10.704	-0.006	97	38528	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50617.D		
Lims ID:	360-31465-D-10-A	Client ID:	OC-SD-OPWD-2-XXX
Inject. Date:	17-Dec-2010 21:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-D-10		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	67368	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:07:09

Calibrated Tentative Identified Compound Results

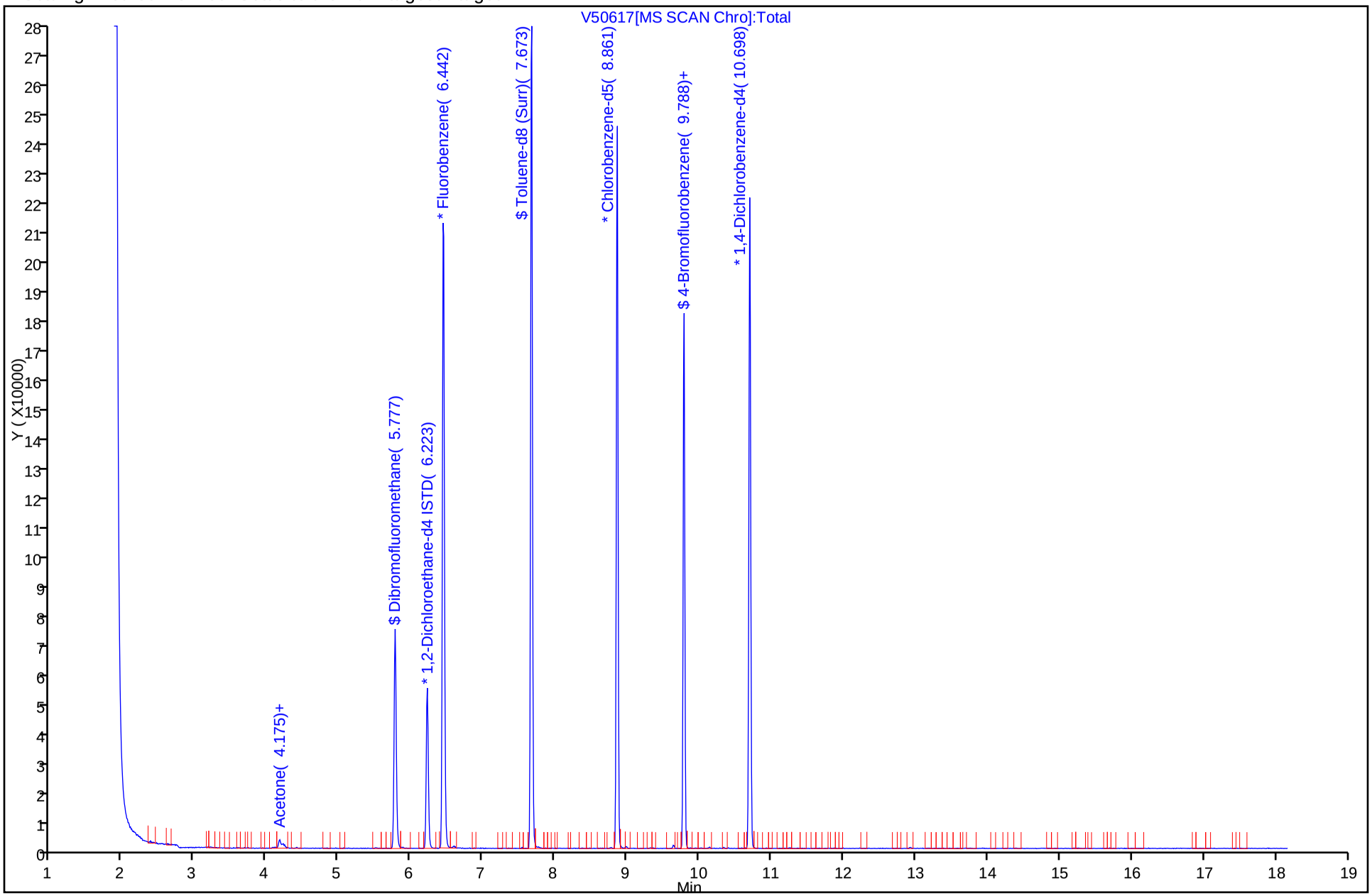
Compound	RT	Response	Amount ug/L	Flags
BFB	9.788	69874		

Report Date: 20-Dec-2010 10:07:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50617.D

Injection Date:	17-Dec-2010 21:12:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	16
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:07:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50617.D

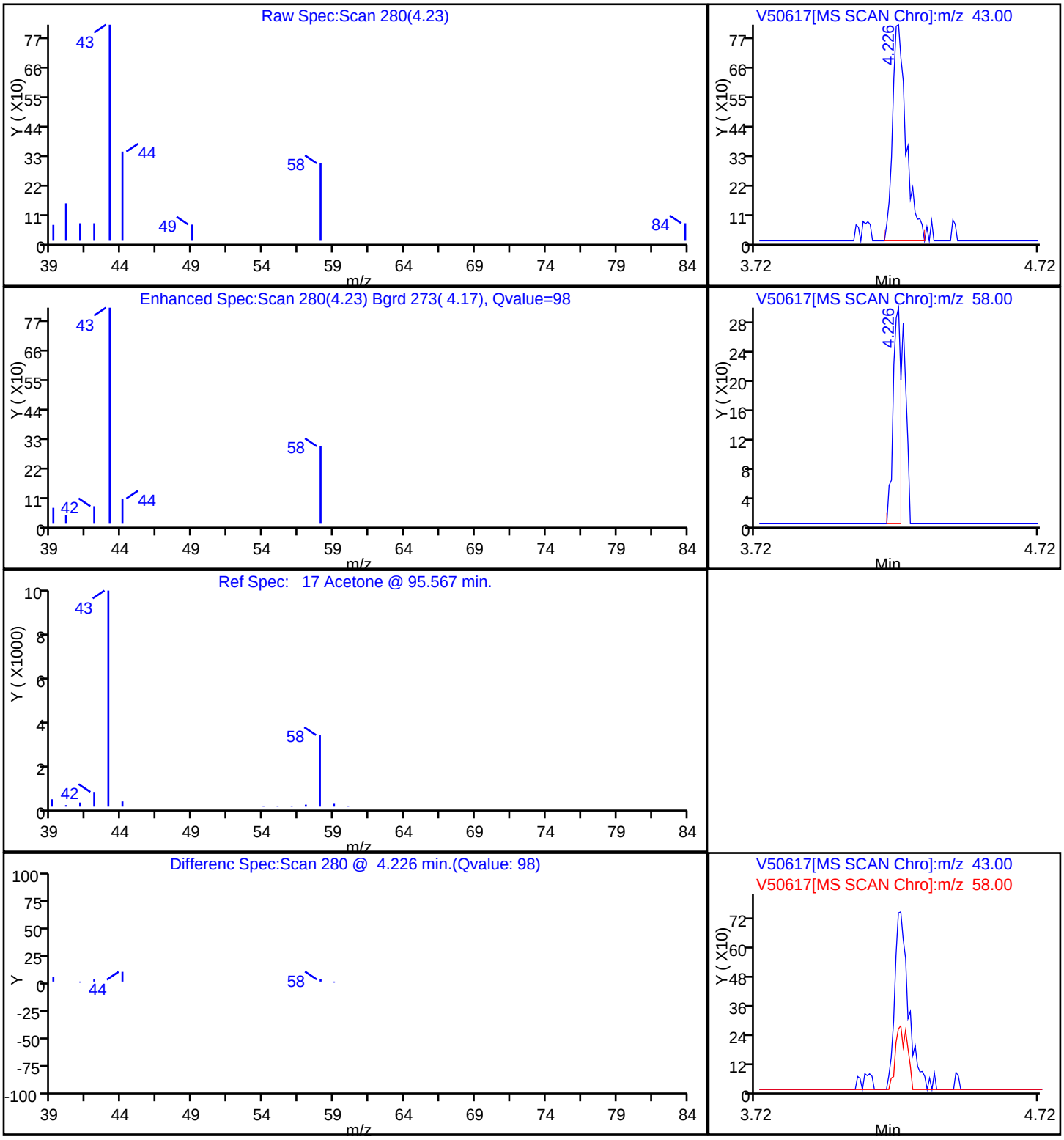
Injection Date: 17-Dec-2010 21:12:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-OPWD-2-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 16

Operator ID: CR

17 Acetone

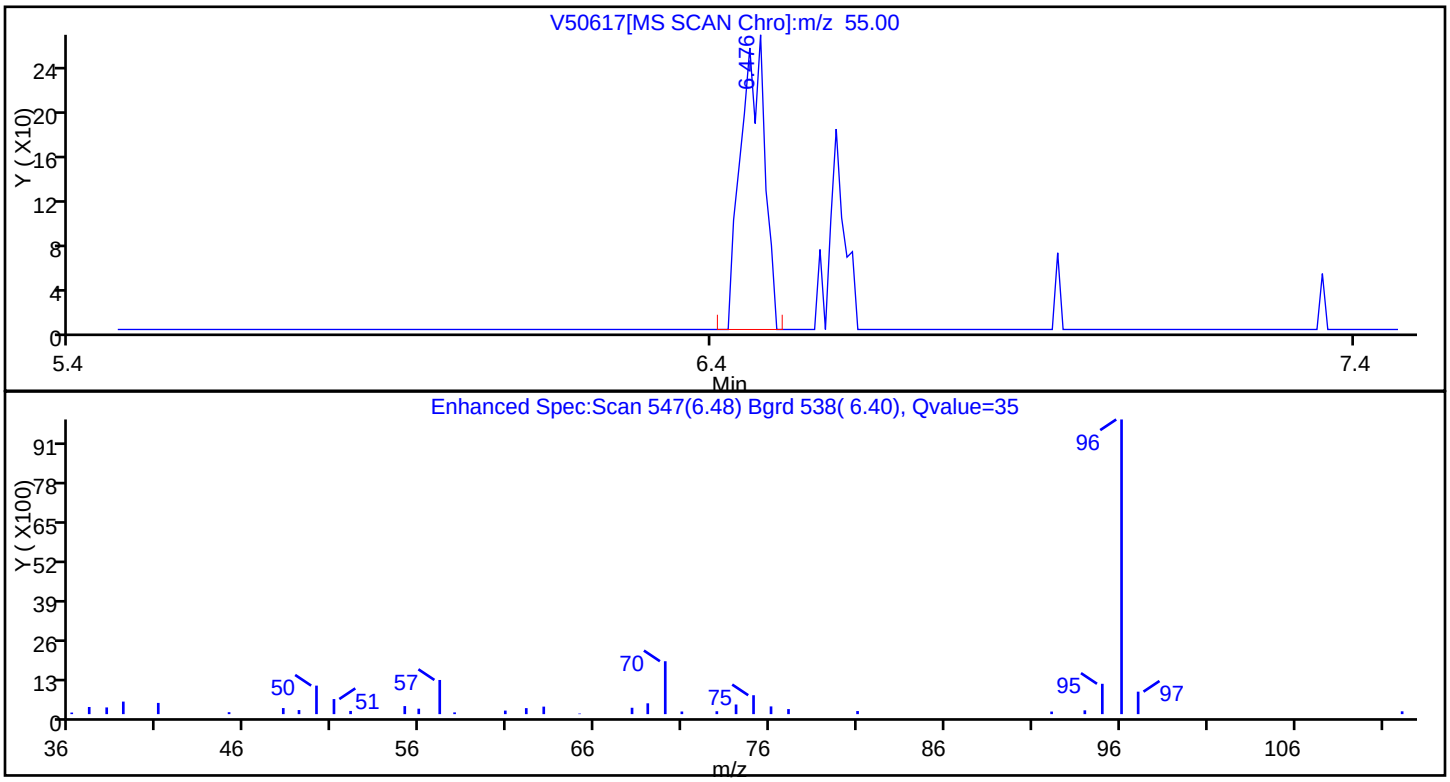


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50617.D		
Injection Date:	17-Dec-2010 21:12:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	16
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.48	55.00	689	0.239396

Reviewer: rouleauc, 20-Dec-2010 10:07:09
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: V50618.D

Analysis Method: 8260C | Date Collected: 12/10/2010 12:30

Sample wt/vol: 7.25(g) | Date Analyzed: 12/17/2010 21:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 71.4 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.0	2.9
71-55-6	1,1,1-Trichloroethane	ND		6.0	4.8
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.0	2.4
79-00-5	1,1,2-Trichloroethane	ND		6.0	2.4
75-34-3	1,1-Dichloroethane	ND		6.0	4.6
75-35-4	1,1-Dichloroethene	ND		6.0	3.9
563-58-6	1,1-Dichloropropene	ND		6.0	3.6
87-61-6	1,2,3-Trichlorobenzene	ND		6.0	2.7
96-18-4	1,2,3-Trichloropropane	ND		6.0	2.9
120-82-1	1,2,4-Trichlorobenzene	3.8	J	6.0	2.4
95-63-6	1,2,4-Trimethylbenzene	ND		6.0	3.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		60	6.8
95-50-1	1,2-Dichlorobenzene	ND		6.0	2.4
107-06-2	1,2-Dichloroethane	ND		6.0	2.4
78-87-5	1,2-Dichloropropane	ND		6.0	3.9
108-67-8	1,3,5-Trimethylbenzene	ND		6.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		6.0	2.4
142-28-9	1,3-Dichloropropane	ND		6.0	2.8
106-46-7	1,4-Dichlorobenzene	ND		6.0	2.4
123-91-1	1,4-Dioxane	ND		600	240
594-20-7	2,2-Dichloropropane	ND		6.0	5.1
78-93-3	2-Butanone (MEK)	43	J	60	26
95-49-8	2-Chlorotoluene	ND		6.0	3.1
591-78-6	2-Hexanone	ND		60	34
106-43-4	4-Chlorotoluene	ND		6.0	2.9
99-87-6	4-Isopropyltoluene	ND		6.0	3.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		60	25
67-64-1	Acetone	210	J B	600	42
71-43-2	Benzene	ND		6.0	3.9
108-86-1	Bromobenzene	ND		6.0	2.4
75-25-2	Bromoform	ND		6.0	3.9
74-83-9	Bromomethane	ND		12	5.6
75-15-0	Carbon disulfide	ND		6.0	4.6
56-23-5	Carbon tetrachloride	ND		6.0	4.1
108-90-7	Chlorobenzene	ND		6.0	2.9
74-97-5	Chlorobromomethane	ND		6.0	3.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: V50618.D

Analysis Method: 8260C | Date Collected: 12/10/2010 12:30

Sample wt/vol: 7.25(g) | Date Analyzed: 12/17/2010 21:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 71.4 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		6.0	2.9
75-00-3	Chloroethane	ND		12	4.8
67-66-3	Chloroform	ND		6.0	3.6
74-87-3	Chloromethane	ND		12	3.9
156-59-2	cis-1,2-Dichloroethene	ND		6.0	2.8
10061-01-5	cis-1,3-Dichloropropene	ND		6.0	2.4
74-95-3	Dibromomethane	ND		6.0	3.0
75-27-4	Dichlorobromomethane	ND		6.0	3.1
75-71-8	Dichlorodifluoromethane	ND	*	12	5.1
60-29-7	Ethyl ether	ND		6.0	2.6
100-41-4	Ethylbenzene	ND		6.0	4.3
106-93-4	Ethylene Dibromide	ND		6.0	2.7
87-68-3	Hexachlorobutadiene	ND		6.0	3.6
108-20-3	Isopropyl ether	ND		6.0	2.7
98-82-8	Isopropylbenzene	ND		6.0	3.6
179601-23-1	m-Xylene & p-Xylene	ND		12	8.5
1634-04-4	Methyl tert-butyl ether	ND		6.0	3.6
75-09-2	Methylene Chloride	ND		24	24
104-51-8	n-Butylbenzene	ND		6.0	2.9
103-65-1	N-Propylbenzene	ND		6.0	4.1
91-20-3	Naphthalene	ND		60	5.6
95-47-6	o-Xylene	ND		6.0	3.1
135-98-8	sec-Butylbenzene	ND		6.0	3.4
100-42-5	Styrene	ND		6.0	2.4
994-05-8	Tert-amyl methyl ether	ND		6.0	3.6
637-92-3	Tert-butyl ethyl ether	ND		6.0	3.5
98-06-6	tert-Butylbenzene	ND		6.0	3.4
127-18-4	Tetrachloroethene	ND		6.0	4.3
109-99-9	Tetrahydrofuran	ND		60	30
108-88-3	Toluene	ND		6.0	4.3
156-60-5	trans-1,2-Dichloroethene	ND		6.0	3.9
10061-02-6	trans-1,3-Dichloropropene	ND		6.0	2.5
79-01-6	Trichloroethene	ND		6.0	5.1
75-69-4	Trichlorofluoromethane	ND		12	3.4
75-01-4	Vinyl chloride	ND		6.0	4.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		30	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: V50618.D

Analysis Method: 8260C | Date Collected: 12/10/2010 12:30

Sample wt/vol: 7.25(g) | Date Analyzed: 12/17/2010 21:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 71.4 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	60		12	4.0
107-40-4	2,4,4-Trimethyl-2-pentene	8.0	J	12	2.6
110-82-7	Cyclohexane	ND		60	2.4
79-20-9	Methyl acetate	ND		120	34
108-87-2	Methylcyclohexane	ND		6.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX Lab Sample ID: 360-31465-11

Matrix: Solid Lab File ID: V50618.D

Analysis Method: 8260C Date Collected: 12/10/2010 12:30

Sample wt/vol: 7.25(g) Date Analyzed: 12/17/2010 21:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 71.4 Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D		
Lims ID:	360-31465-B-11-A	Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX
Inject. Date:	17-Dec-2010 21:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-B-11		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	67368	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:07:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76	3.612	3.617	-0.005	88	2037	0.1822	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.176	4.182	-0.006	80	1361	0.4174	
17 Acetone	43	4.227	4.224	0.003	99	7179	17.8	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	92	48122	19.5	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.879	5.884	-0.006	99	2236	3.55	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.224	6.230	-0.006	0	9134	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.452	6.449	0.003	99	201326	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55	6.477	6.474	0.003	97	14087	5.00	
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112	6.603	6.609	-0.006	83	1143	0.6597	
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.673	7.671	0.002	92	181761	20.4	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.862	8.867	-0.005	85	130650	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.789	9.794	-0.005	80	66321	20.0	
$ 124 BFB (tune)	95	9.789	9.830	-0.041	99	66321	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146	10.640	10.645	-0.005	86	632	0.1175	
*	96 1,4-Dichlorobenzene-d4	115	10.699	10.704	-0.005	97	36731	20.0	
	97 1,4-Dichlorobenzene	146		10.721					UA
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180	12.940	12.937	0.003	69	856	0.3178	
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D		
Lims ID:	360-31465-B-11-A	Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX
Inject. Date:	17-Dec-2010 21:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-B-11		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	67368	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:07:52

Calibrated Tentative Identified Compound Results

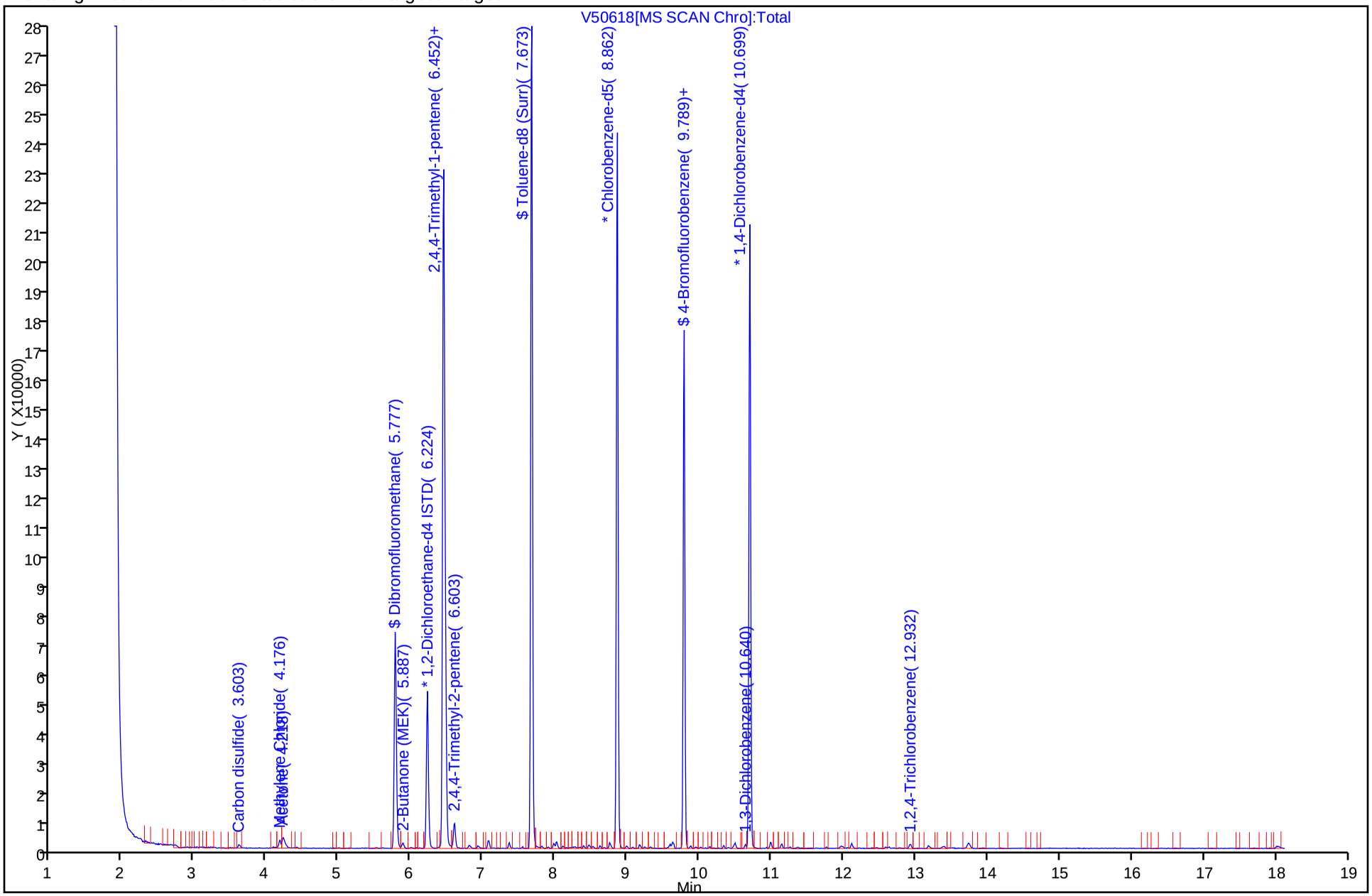
Compound	RT	Response	Amount ug/L	Flags
BFB	9.789	66325		

Report Date: 20-Dec-2010 10:07:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D

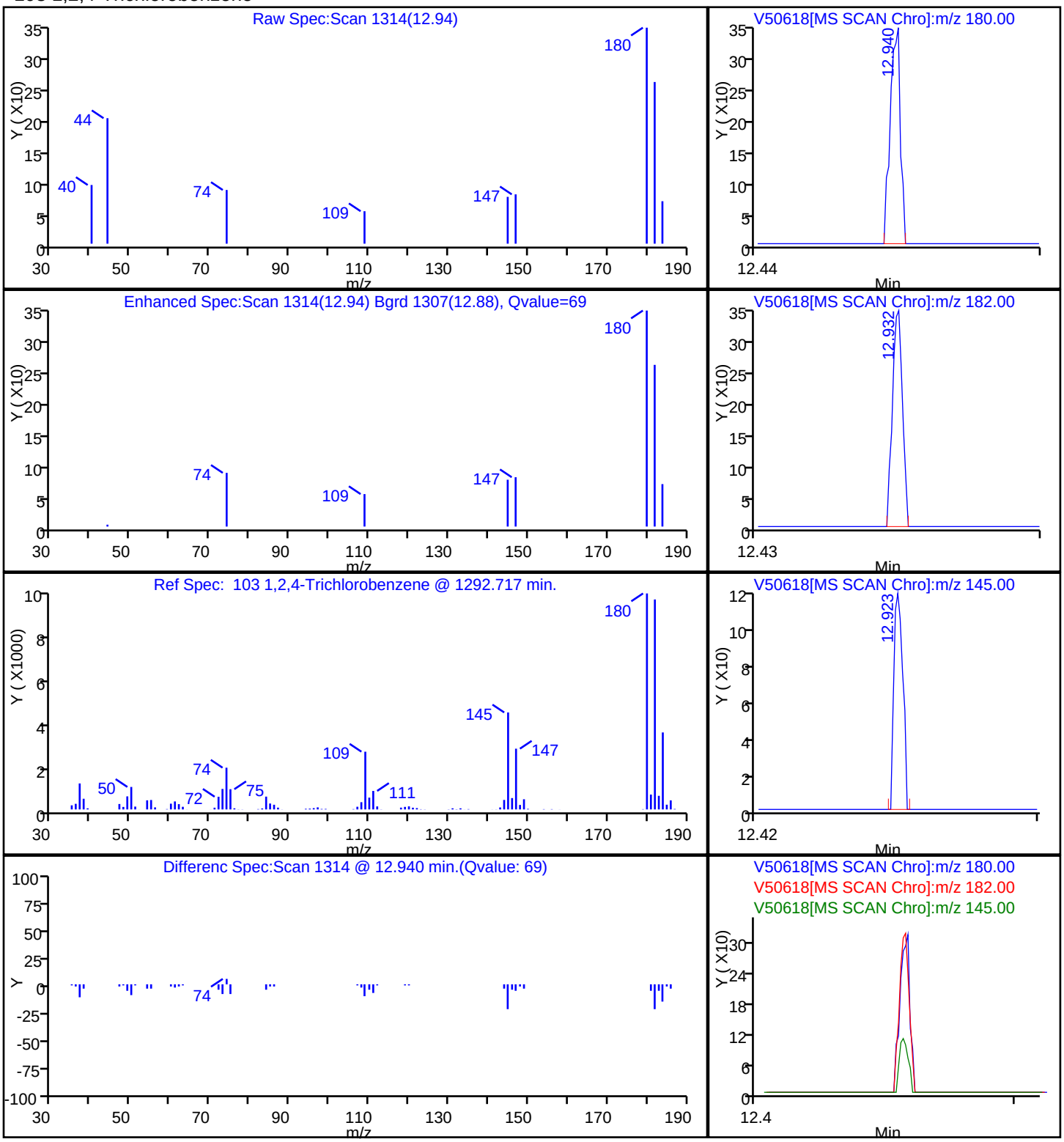
Injection Date:	17-Dec-2010 21:37:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



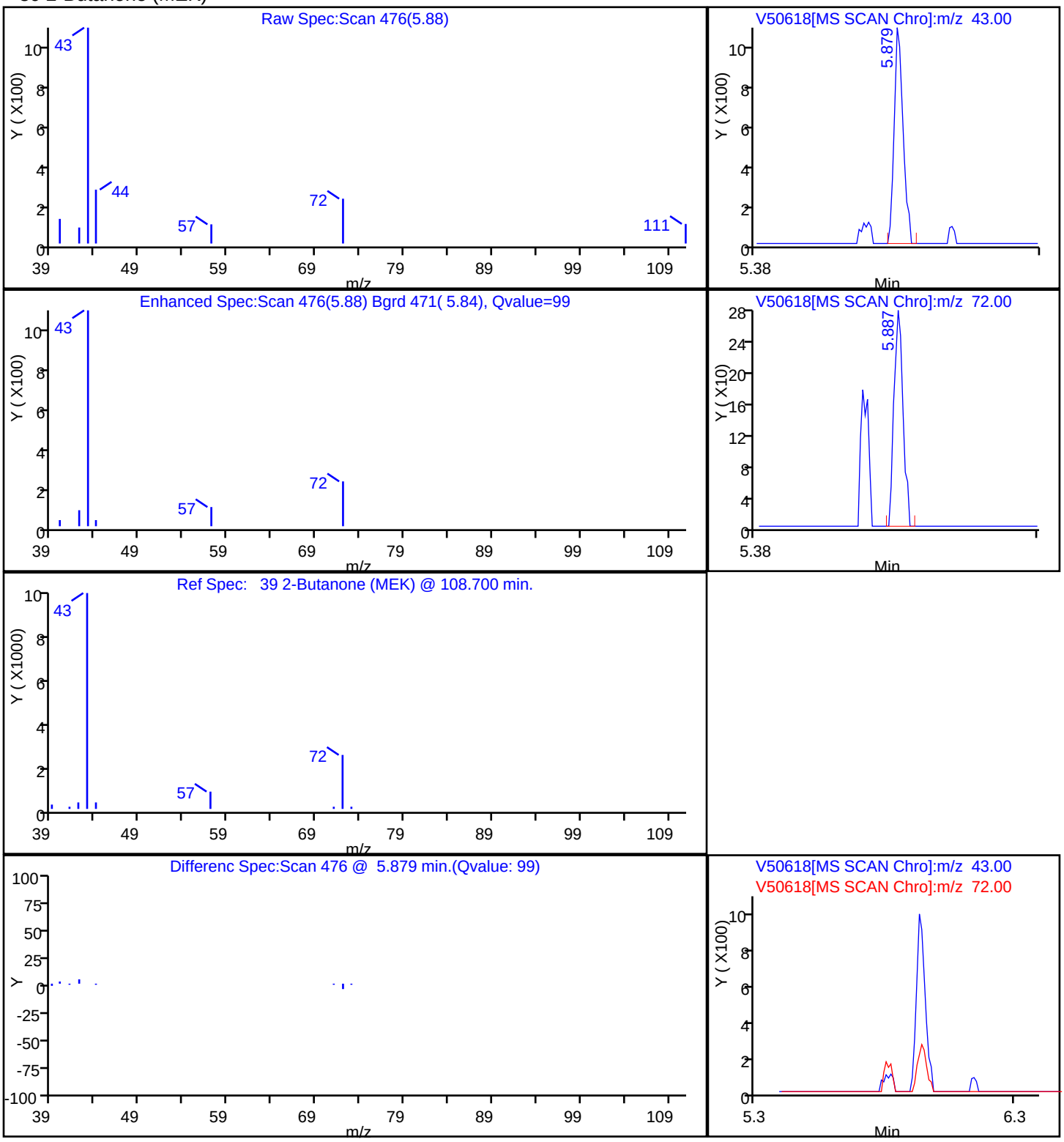
Report Date: 20-Dec-2010 10:07:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D
Injection Date: 17-Dec-2010 21:37:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 17
Operator ID: CR

103 1,2,4-Trichlorobenzene



Report Date: 20-Dec-2010 10:07:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D
Injection Date: 17-Dec-2010 21:37:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 17
Operator ID: CR

39 2-Butanone (MEK)

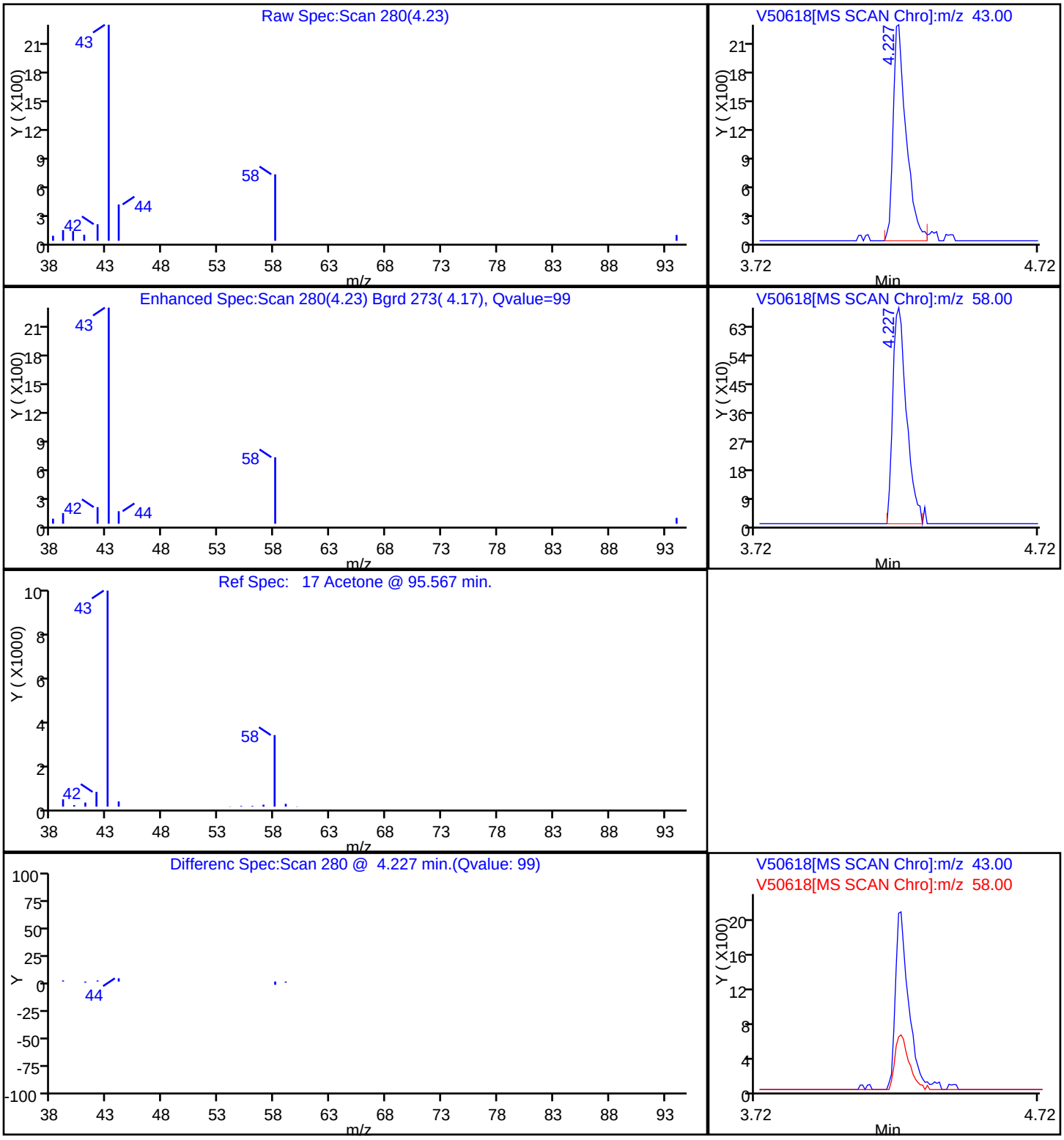


Report Date: 20-Dec-2010 10:07:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D

Injection Date:	17-Dec-2010 21:37:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	CR		

17 Acetone



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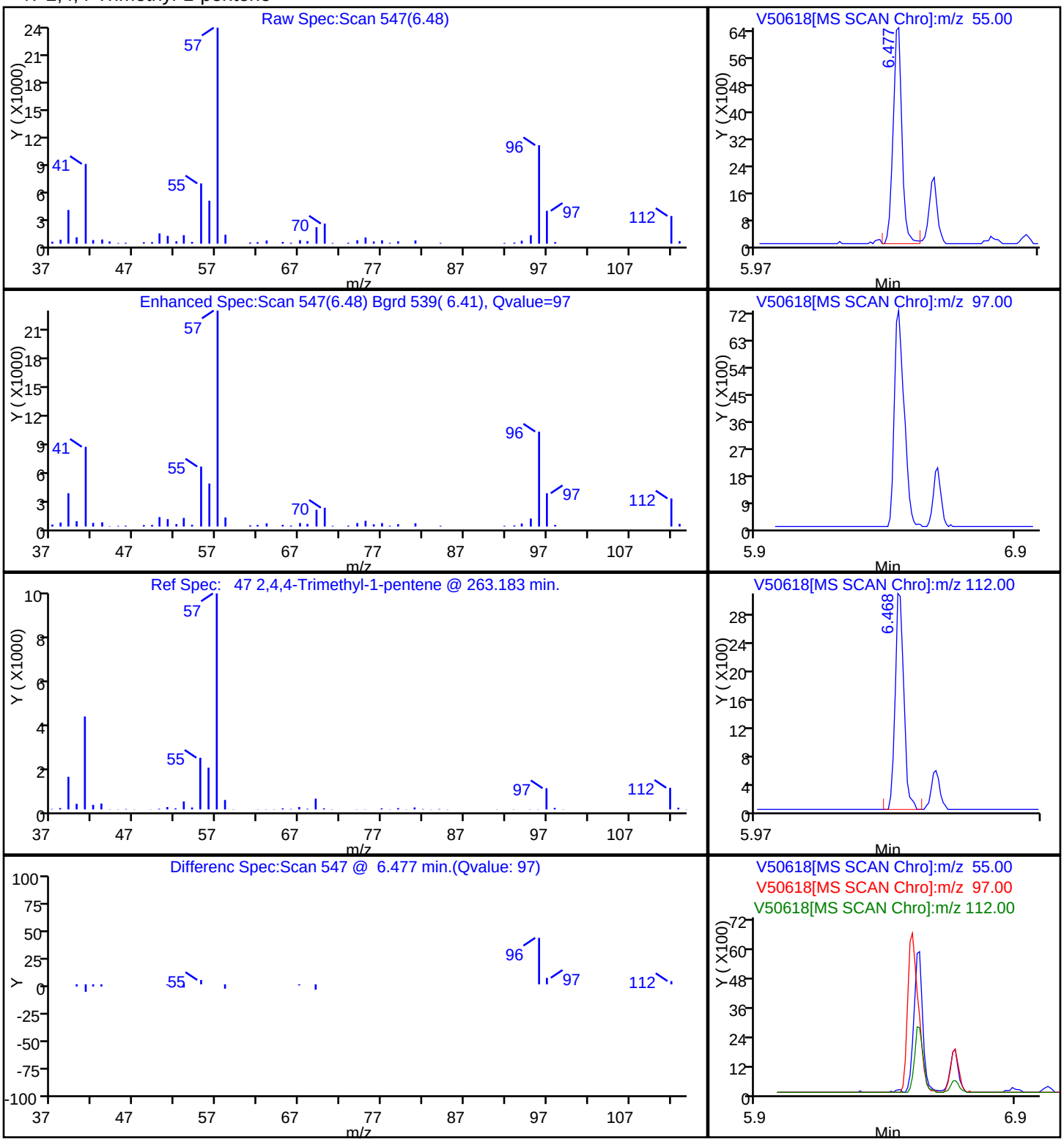
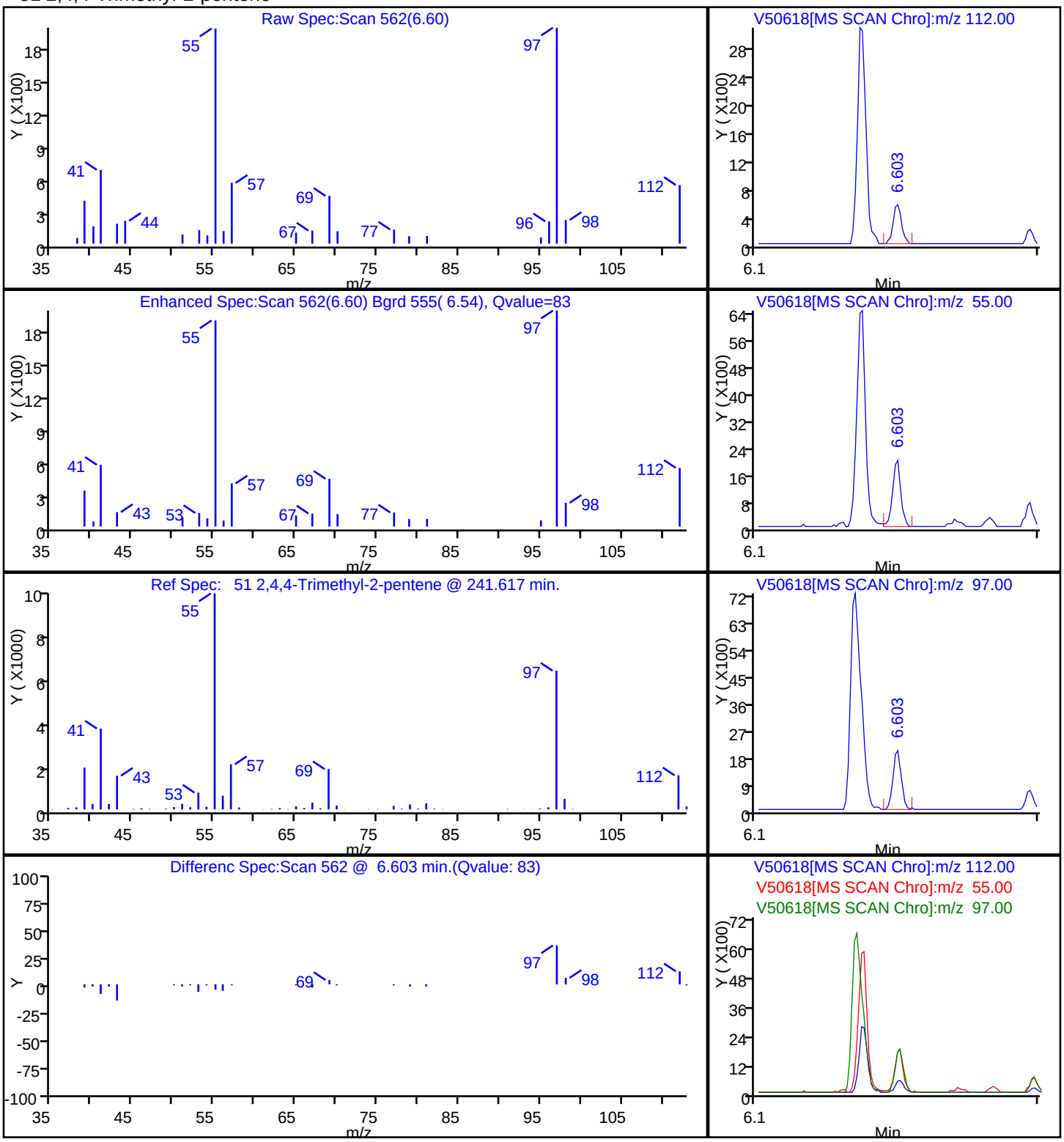
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D
Injection Date: 17-Dec-2010 21:37:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 17
Operator ID: CR

47 2,4,4-Trimethyl-1-pentene



Report Date: 20-Dec-2010 10:07:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D
Injection Date: 17-Dec-2010 21:37:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 17
Operator ID: CR

51 2,4,4-Trimethyl-2-pentene

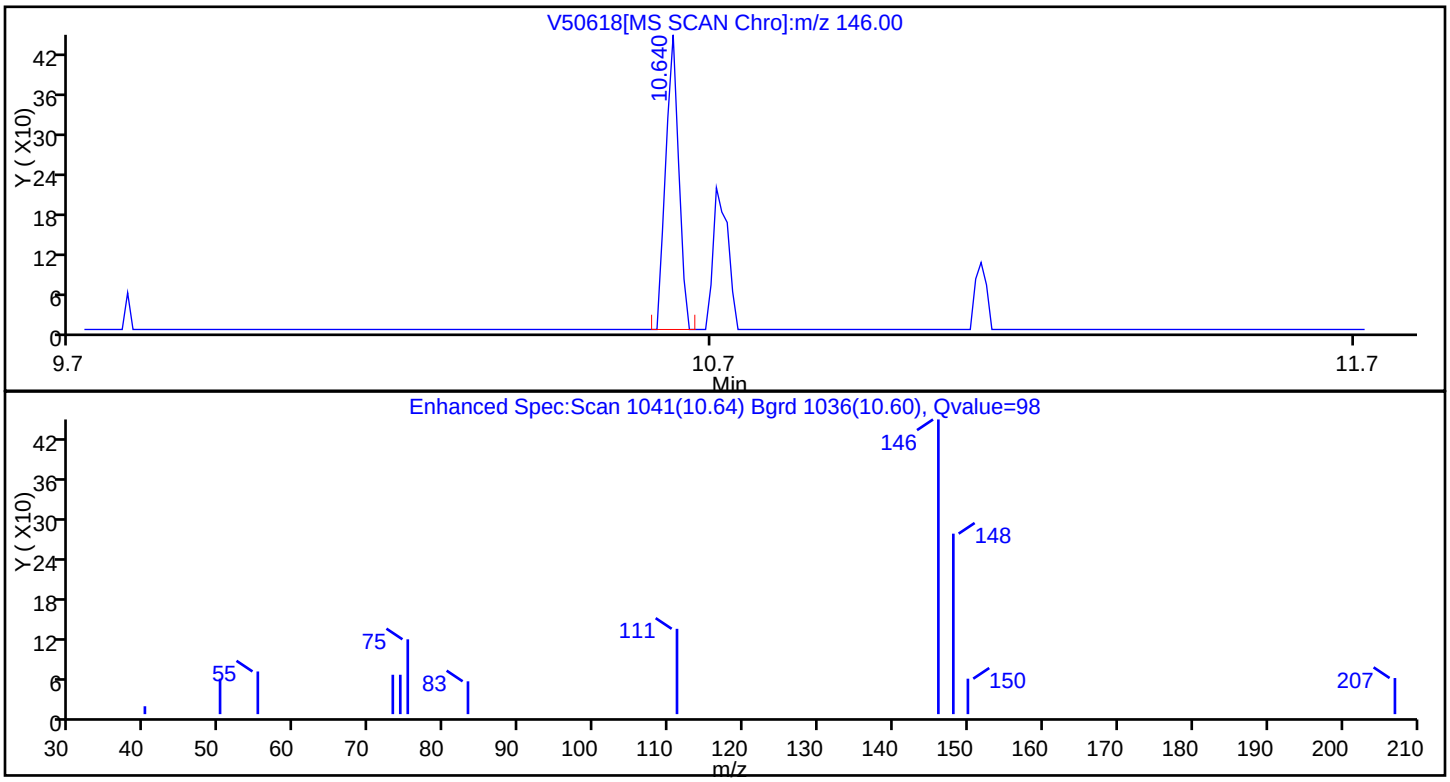


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50618.D		
Injection Date:	17-Dec-2010 21:37:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	CR		

97 1,4-Dichlorobenzene

Processing Results



RT	Mass	Response	Amount
10.64	146.00	632	0.126376

Reviewer: rouleauc, 20-Dec-2010 10:07:52
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: V50619.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.58(g) | Date Analyzed: 12/17/2010 22:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.9	1.9
71-55-6	1,1,1-Trichloroethane	ND		3.9	3.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.9	1.6
79-00-5	1,1,2-Trichloroethane	ND		3.9	1.6
75-34-3	1,1-Dichloroethane	ND		3.9	3.0
75-35-4	1,1-Dichloroethene	ND		3.9	2.5
563-58-6	1,1-Dichloropropene	ND		3.9	2.4
87-61-6	1,2,3-Trichlorobenzene	ND		3.9	1.7
96-18-4	1,2,3-Trichloropropane	ND		3.9	1.9
120-82-1	1,2,4-Trichlorobenzene	ND		3.9	1.6
95-63-6	1,2,4-Trimethylbenzene	ND		3.9	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		39	4.4
95-50-1	1,2-Dichlorobenzene	ND		3.9	1.6
107-06-2	1,2-Dichloroethane	ND		3.9	1.6
78-87-5	1,2-Dichloropropane	ND		3.9	2.5
108-67-8	1,3,5-Trimethylbenzene	ND		3.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		3.9	1.6
142-28-9	1,3-Dichloropropane	ND		3.9	1.8
106-46-7	1,4-Dichlorobenzene	ND		3.9	1.6
123-91-1	1,4-Dioxane	ND		390	160
594-20-7	2,2-Dichloropropane	ND		3.9	3.3
78-93-3	2-Butanone (MEK)	22	J	39	17
95-49-8	2-Chlorotoluene	ND		3.9	2.0
591-78-6	2-Hexanone	ND		39	22
106-43-4	4-Chlorotoluene	ND		3.9	1.9
99-87-6	4-Isopropyltoluene	ND		3.9	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		39	16
67-64-1	Acetone	110	J B	390	27
71-43-2	Benzene	ND		3.9	2.5
108-86-1	Bromobenzene	ND		3.9	1.6
75-25-2	Bromoform	ND		3.9	2.5
74-83-9	Bromomethane	ND		7.9	3.6
75-15-0	Carbon disulfide	ND		3.9	3.0
56-23-5	Carbon tetrachloride	ND		3.9	2.7
108-90-7	Chlorobenzene	ND		3.9	1.9
74-97-5	Chlorobromomethane	ND		3.9	2.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: V50619.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.58(g) | Date Analyzed: 12/17/2010 22:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.9	1.9
75-00-3	Chloroethane	ND		7.9	3.1
67-66-3	Chloroform	ND		3.9	2.4
74-87-3	Chloromethane	ND		7.9	2.5
156-59-2	cis-1,2-Dichloroethene	ND		3.9	1.9
10061-01-5	cis-1,3-Dichloropropene	ND		3.9	1.6
74-95-3	Dibromomethane	ND		3.9	2.0
75-27-4	Dichlorobromomethane	ND		3.9	2.0
75-71-8	Dichlorodifluoromethane	ND	*	7.9	3.3
60-29-7	Ethyl ether	ND		3.9	1.7
100-41-4	Ethylbenzene	ND		3.9	2.8
106-93-4	Ethylene Dibromide	ND		3.9	1.8
87-68-3	Hexachlorobutadiene	ND		3.9	2.4
108-20-3	Isopropyl ether	ND		3.9	1.8
98-82-8	Isopropylbenzene	ND		3.9	2.4
179601-23-1	m-Xylene & p-Xylene	ND		7.9	5.5
1634-04-4	Methyl tert-butyl ether	ND		3.9	2.4
75-09-2	Methylene Chloride	ND		16	15
104-51-8	n-Butylbenzene	ND		3.9	1.9
103-65-1	N-Propylbenzene	ND		3.9	2.7
91-20-3	Naphthalene	ND		39	3.6
95-47-6	o-Xylene	ND		3.9	2.0
135-98-8	sec-Butylbenzene	ND		3.9	2.2
100-42-5	Styrene	ND		3.9	1.6
994-05-8	Tert-amyl methyl ether	ND		3.9	2.4
637-92-3	Tert-butyl ethyl ether	ND		3.9	2.3
98-06-6	tert-Butylbenzene	ND		3.9	2.2
127-18-4	Tetrachloroethene	ND		3.9	2.8
109-99-9	Tetrahydrofuran	ND		39	19
108-88-3	Toluene	ND		3.9	2.8
156-60-5	trans-1,2-Dichloroethene	ND		3.9	2.5
10061-02-6	trans-1,3-Dichloropropene	ND		3.9	1.6
79-01-6	Trichloroethene	ND		3.9	3.3
75-69-4	Trichlorofluoromethane	ND		7.9	2.2
75-01-4	Vinyl chloride	ND		3.9	2.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	2.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: V50619.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.58(g) | Date Analyzed: 12/17/2010 22:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	23		7.9	2.6
107-40-4	2,4,4-Trimethyl-2-pentene	3.2	J	7.9	1.7
110-82-7	Cyclohexane	ND		39	1.6
79-20-9	Methyl acetate	ND		79	22
108-87-2	Methylcyclohexane	ND		3.9	2.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
1868-53-7	Dibromofluoromethane	99		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: V50619.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.58(g) | Date Analyzed: 12/17/2010 22:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 42.9 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50619.D		
Lims ID:	360-31465-E-12-B	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	17-Dec-2010 22:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-E-12		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	67368	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:08:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.176	4.182	-0.006	90	1650	0.4854	
17 Acetone	43	4.227	4.224	0.003	94	5758	13.7	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	92	50635	19.7	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.887	5.884	0.003	100	1859	2.83	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.224	6.230	-0.006	0	9910	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.451	6.449	0.002	99	209889	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55	6.468	6.474	-0.006	64	8780	2.99	
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112	6.603	6.609	-0.006	87	733	0.4058	
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.673	7.671	0.002	92	188994	20.3	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.861	8.867	-0.006	84	135910	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.788	9.794	-0.006	80	70214	20.3	
$ 124 BFB (tune)	95	9.788	9.830	-0.042	100	70214	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 Bromobenzene	77		9.878					
84 N-Propylbenzene	91		9.878					
85 1,1,2,2-Tetrachloroethane	83		9.929					
86 2-Chlorotoluene	91		10.013					
87 1,3,5-Trimethylbenzene	105		10.030					
88 1,2,3-Trichloropropane	110		10.047					
89 trans-1,4-Dichloro-2-butene	53		10.064					
90 4-Chlorotoluene	91		10.148					
91 tert-Butylbenzene	119		10.291					
92 1,2,4-Trimethylbenzene	105		10.435					
93 sec-Butylbenzene	105		10.435					
94 4-Isopropyltoluene	119		10.553					
95 1,3-Dichlorobenzene	146		10.645					
* 96 1,4-Dichlorobenzene-d4	115	10.698	10.704	-0.006	96	38355	20.0	
97 1,4-Dichlorobenzene	146		10.721					
98 n-Butylbenzene	91		10.932					
99 1,2-Dichlorobenzene	146		11.126					
100 1,2-Dibromo-3-Chloropropane	157		12.002					
101 1,3,5-Trichlorobenzene	180		12.036					
102 Hexachlorobutadiene	225		12.878					
103 1,2,4-Trichlorobenzene	180		12.937					
104 Naphthalene	128		13.477					
105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50619.D		
Lims ID:	360-31465-E-12-B	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	17-Dec-2010 22:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-E-12		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	67368	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:08:18

Calibrated Tentative Identified Compound Results

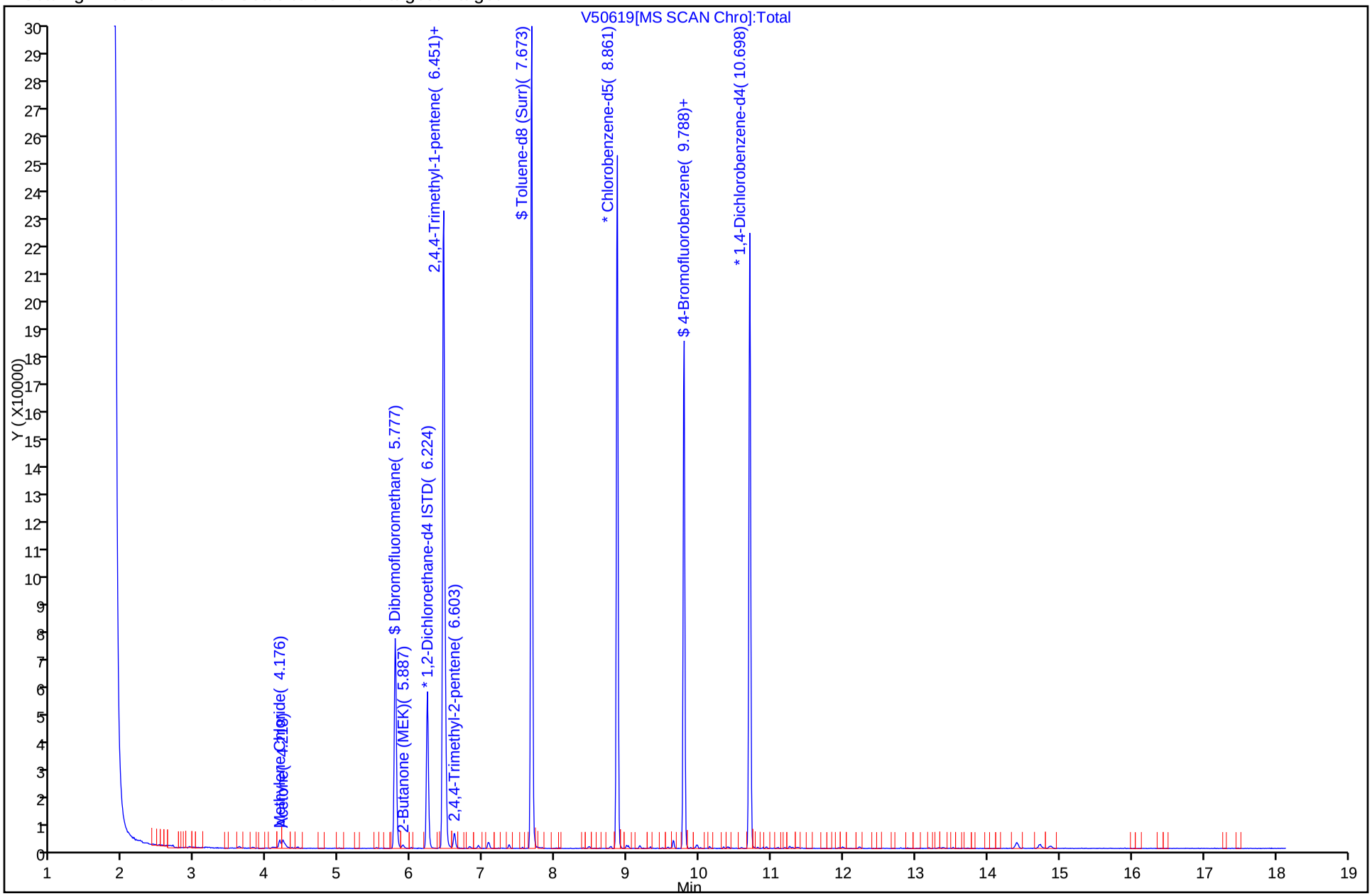
Compound	RT	Response	Amount ug/L	Flags
BFB	9.788	70162		

Report Date: 20-Dec-2010 10:08:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50619.D

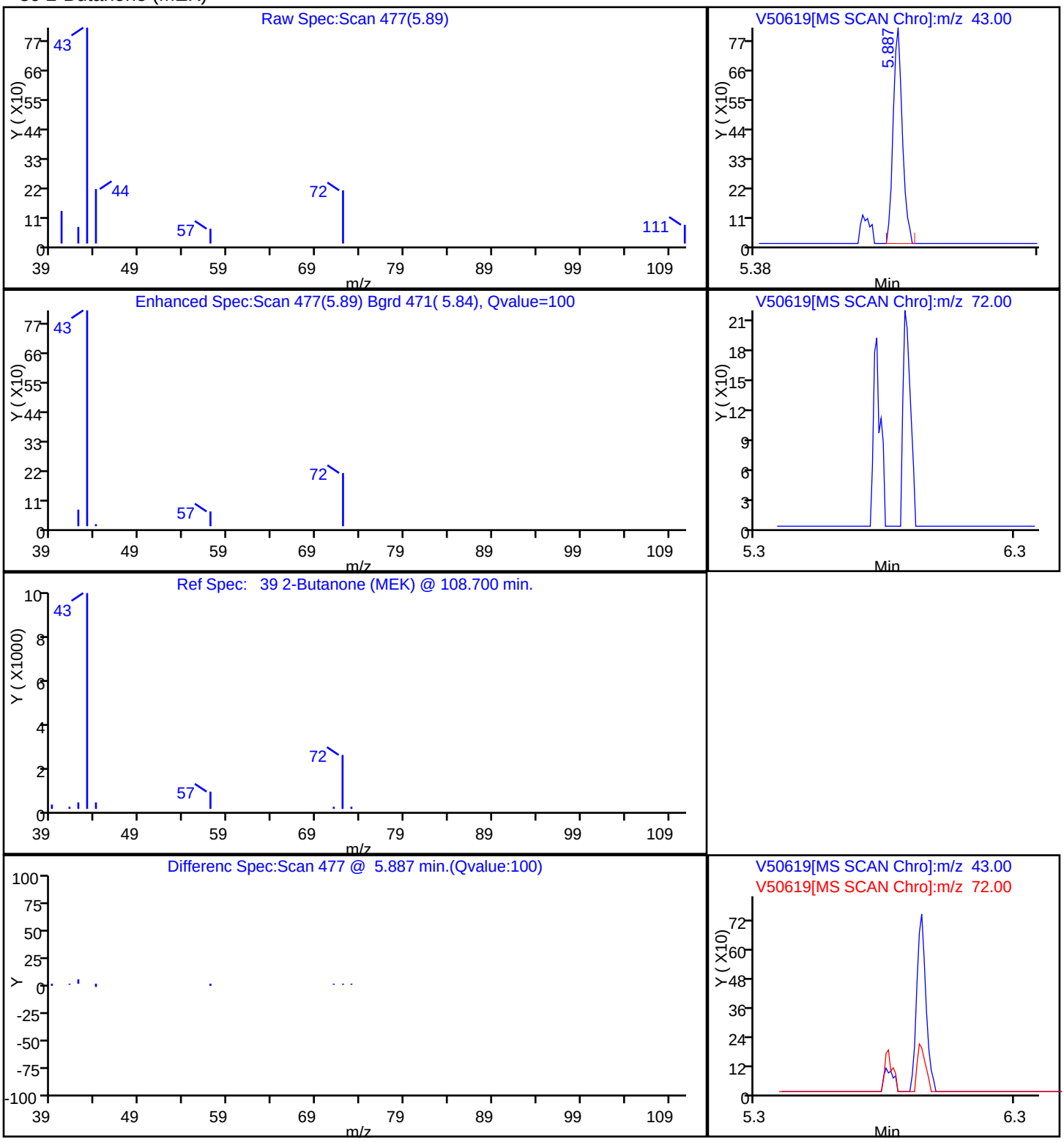
Injection Date:	17-Dec-2010 22:02:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	18
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:08:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50619.D
Injection Date: 17-Dec-2010 22:02:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 18
Operator ID: CR

39 2-Butanone (MEK)



Report Date: 20-Dec-2010 10:08:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50619.D

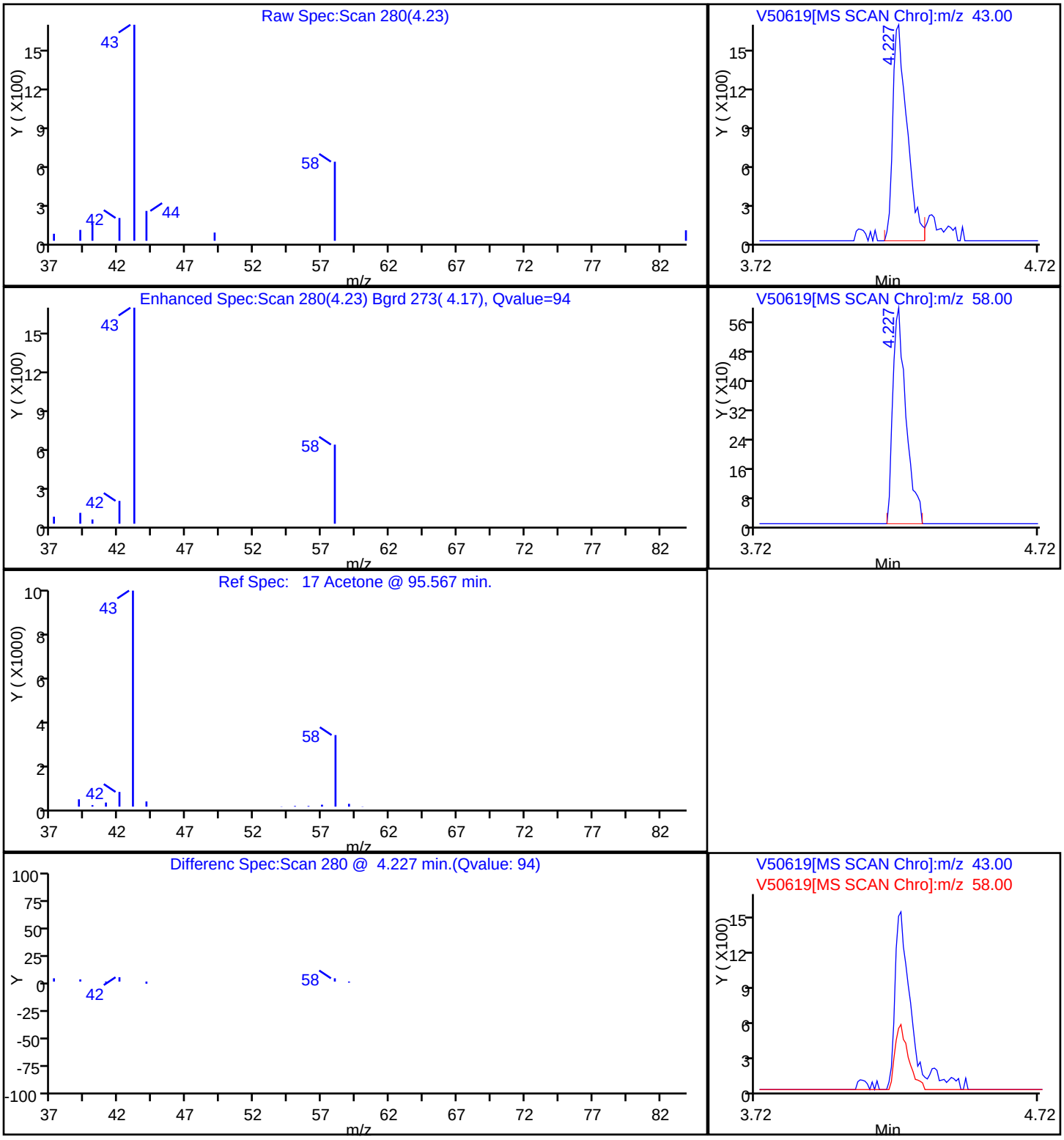
Injection Date: 17-Dec-2010 22:02:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-SD2-DUP Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 18

Operator ID: CR

17 Acetone



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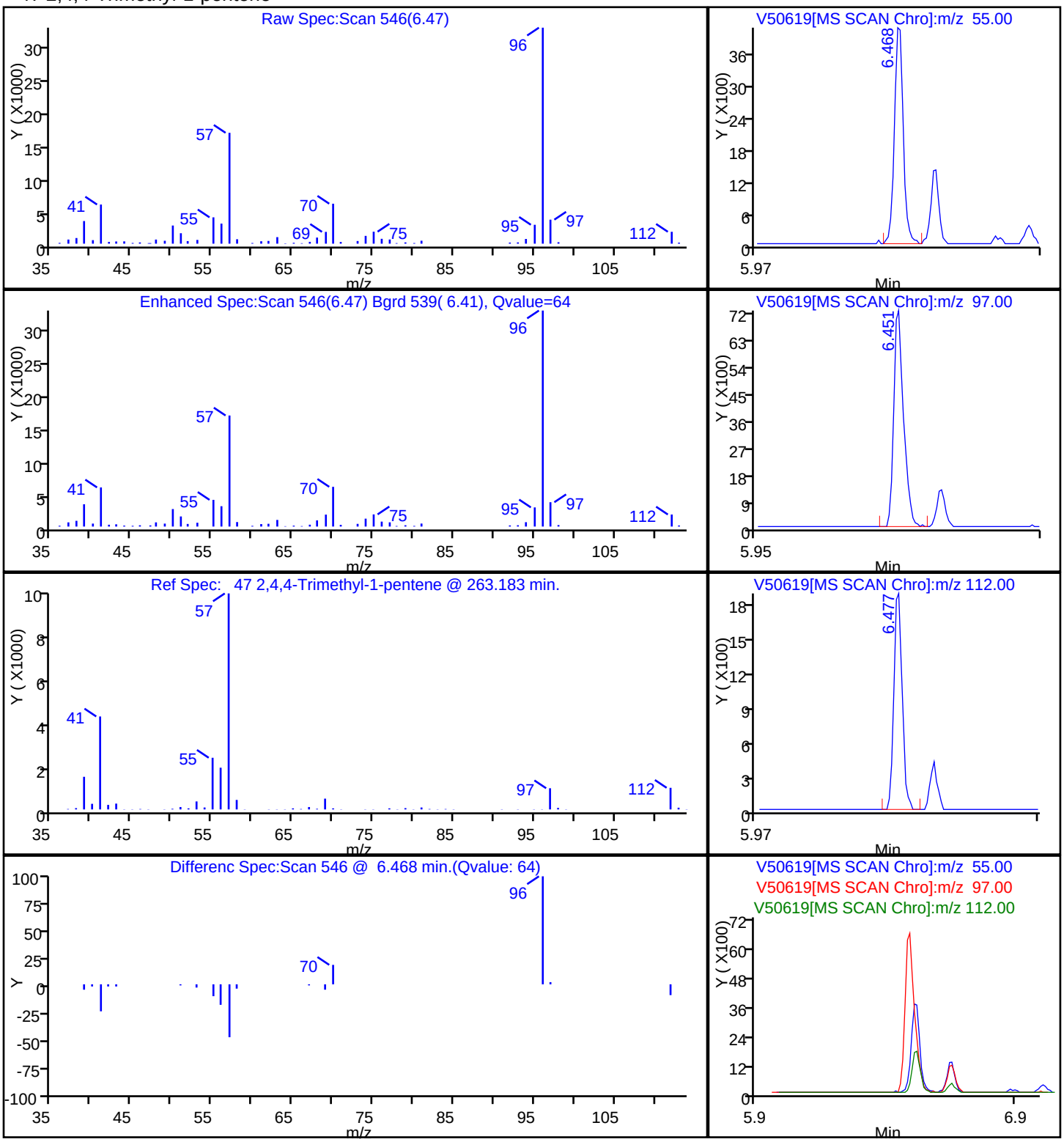
Injection Date: 17-Dec-2010 22:02:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 18
Operator ID: CR

47 2,4,4-Trimethyl-1-pentene



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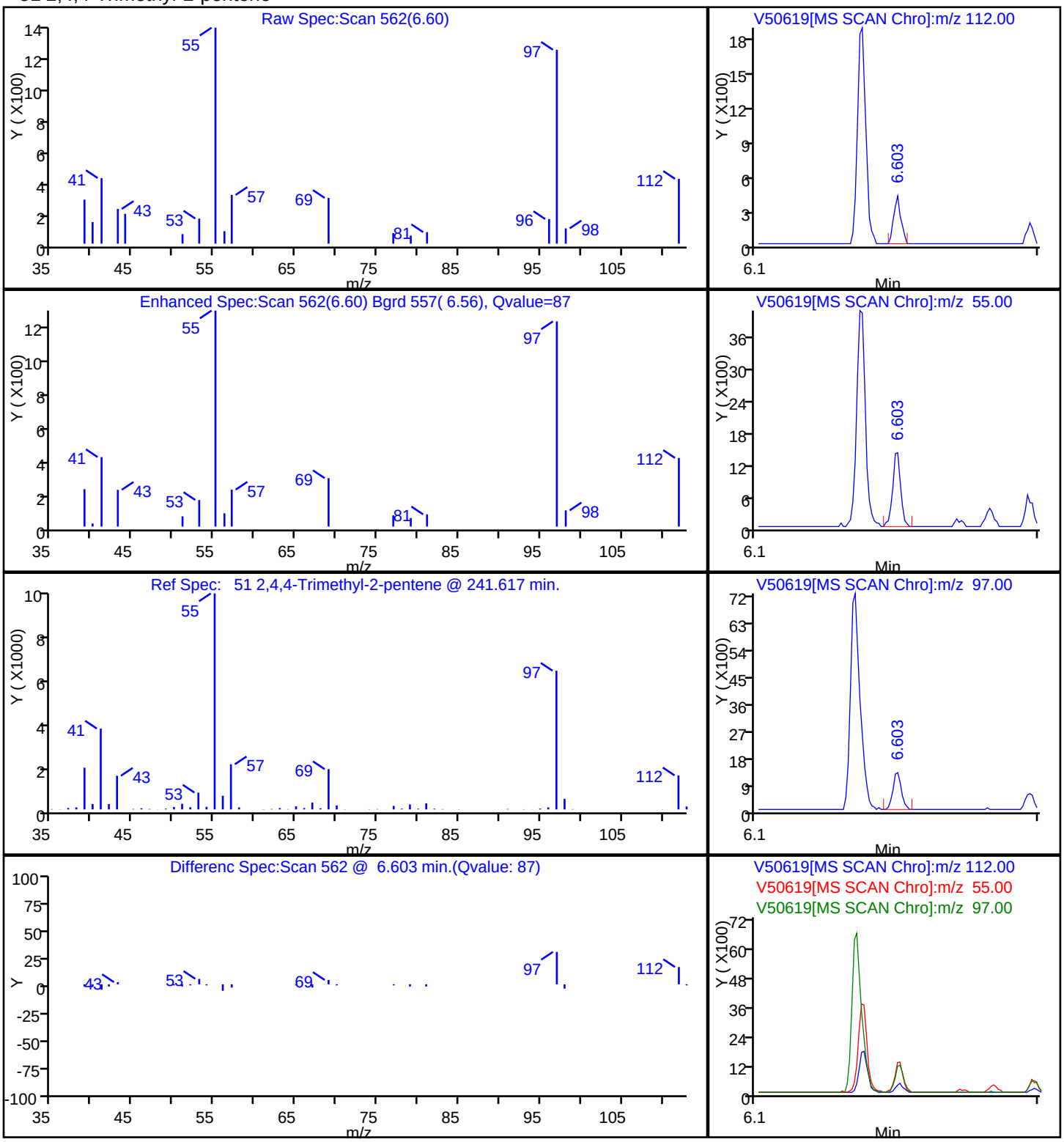
Injection Date: 17-Dec-2010 22:02:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 18
Operator ID: CR

51 2,4,4-Trimethyl-2-pentene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: V50620.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 6.11(g) | Date Analyzed: 12/17/2010 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.4	1.6
71-55-6	1,1,1-Trichloroethane	ND		3.4	2.7
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.4	1.4
79-00-5	1,1,2-Trichloroethane	ND		3.4	1.4
75-34-3	1,1-Dichloroethane	ND		3.4	2.6
75-35-4	1,1-Dichloroethene	ND		3.4	2.2
563-58-6	1,1-Dichloropropene	ND		3.4	2.0
87-61-6	1,2,3-Trichlorobenzene	ND		3.4	1.5
96-18-4	1,2,3-Trichloropropane	ND		3.4	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		3.4	1.4
95-63-6	1,2,4-Trimethylbenzene	ND		3.4	1.9
96-12-8	1,2-Dibromo-3-Chloropropane	ND		34	3.8
95-50-1	1,2-Dichlorobenzene	ND		3.4	1.4
107-06-2	1,2-Dichloroethane	ND		3.4	1.4
78-87-5	1,2-Dichloropropane	ND		3.4	2.2
108-67-8	1,3,5-Trimethylbenzene	ND		3.4	2.0
541-73-1	1,3-Dichlorobenzene	ND		3.4	1.4
142-28-9	1,3-Dichloropropane	ND		3.4	1.5
106-46-7	1,4-Dichlorobenzene	ND		3.4	1.4
123-91-1	1,4-Dioxane	ND		340	140
594-20-7	2,2-Dichloropropane	ND		3.4	2.9
78-93-3	2-Butanone (MEK)	20	J	34	15
95-49-8	2-Chlorotoluene	ND		3.4	1.8
591-78-6	2-Hexanone	ND		34	19
106-43-4	4-Chlorotoluene	ND		3.4	1.6
99-87-6	4-Isopropyltoluene	ND		3.4	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		34	14
67-64-1	Acetone	110	J B	340	23
71-43-2	Benzene	ND		3.4	2.2
108-86-1	Bromobenzene	ND		3.4	1.4
75-25-2	Bromoform	ND		3.4	2.2
74-83-9	Bromomethane	ND		6.8	3.1
75-15-0	Carbon disulfide	ND		3.4	2.6
56-23-5	Carbon tetrachloride	ND		3.4	2.3
108-90-7	Chlorobenzene	ND		3.4	1.6
74-97-5	Chlorobromomethane	ND		3.4	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: V50620.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 6.11(g) | Date Analyzed: 12/17/2010 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.4	1.6
75-00-3	Chloroethane	ND		6.8	2.7
67-66-3	Chloroform	ND		3.4	2.0
74-87-3	Chloromethane	ND		6.8	2.2
156-59-2	cis-1,2-Dichloroethene	ND		3.4	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		3.4	1.4
74-95-3	Dibromomethane	ND		3.4	1.7
75-27-4	Dichlorobromomethane	ND		3.4	1.7
75-71-8	Dichlorodifluoromethane	ND	*	6.8	2.9
60-29-7	Ethyl ether	ND		3.4	1.4
100-41-4	Ethylbenzene	ND		3.4	2.4
106-93-4	Ethylene Dibromide	ND		3.4	1.5
87-68-3	Hexachlorobutadiene	ND		3.4	2.0
108-20-3	Isopropyl ether	ND		3.4	1.5
98-82-8	Isopropylbenzene	ND		3.4	2.0
179601-23-1	m-Xylene & p-Xylene	ND		6.8	4.8
1634-04-4	Methyl tert-butyl ether	ND		3.4	2.0
75-09-2	Methylene Chloride	ND		14	13
104-51-8	n-Butylbenzene	ND		3.4	1.6
103-65-1	N-Propylbenzene	ND		3.4	2.3
91-20-3	Naphthalene	ND		34	3.1
95-47-6	o-Xylene	ND		3.4	1.8
135-98-8	sec-Butylbenzene	ND		3.4	1.9
100-42-5	Styrene	ND		3.4	1.4
994-05-8	Tert-amyl methyl ether	ND		3.4	2.0
637-92-3	Tert-butyl ethyl ether	ND		3.4	2.0
98-06-6	tert-Butylbenzene	ND		3.4	1.9
127-18-4	Tetrachloroethene	ND		3.4	2.4
109-99-9	Tetrahydrofuran	ND		34	17
108-88-3	Toluene	ND		3.4	2.4
156-60-5	trans-1,2-Dichloroethene	ND		3.4	2.2
10061-02-6	trans-1,3-Dichloropropene	ND		3.4	1.4
79-01-6	Trichloroethene	ND		3.4	2.9
75-69-4	Trichlorofluoromethane	ND		6.8	1.9
75-01-4	Vinyl chloride	ND		3.4	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: V50620.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 6.11(g) | Date Analyzed: 12/17/2010 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	37		6.8	2.2
107-40-4	2,4,4-Trimethyl-2-pentene	2.8	J	6.8	1.5
110-82-7	Cyclohexane	ND		34	1.4
79-20-9	Methyl acetate	ND		68	19
108-87-2	Methylcyclohexane	ND		3.4	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
1868-53-7	Dibromofluoromethane	98		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: V50620.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 6.11(g) | Date Analyzed: 12/17/2010 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D		
Lims ID:	360-31465-E-13-A	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	17-Dec-2010 22:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-E-13		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	67368	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:08:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76	3.607	3.617	-0.010	87	1331	0.1190	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.180	4.182	-0.002	82	1748	0.5357	
17 Acetone	43	4.222	4.224	-0.002	94	6506	16.1	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.773	5.783	-0.010	92	48452	19.6	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43	5.882	5.884	-0.002	99	1839	2.92	
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.220	6.230	-0.010	0	9653	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.447	6.449	-0.002	99	201446	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55	6.472	6.474	-0.002	98	15162	5.38	
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112	6.599	6.609	-0.010	83	713	0.4113	
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.669	7.671	-0.002	92	178572	20.0	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					U
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.857	8.867	-0.010	86	129013	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.784	9.794	-0.010	75	68441	20.9	
$ 124 BFB (tune)	95	9.784	9.830	-0.046	95	68441	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146	10.644	10.645	-0.001	88	1054	0.1985	
*	96 1,4-Dichlorobenzene-d4	115	10.703	10.704	-0.001	95	37809	20.0	
	97 1,4-Dichlorobenzene	146		10.721					U
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D		
Lims ID:	360-31465-E-13-A	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	17-Dec-2010 22:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-E-13		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	67368	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:08:51

Calibrated Tentative Identified Compound Results

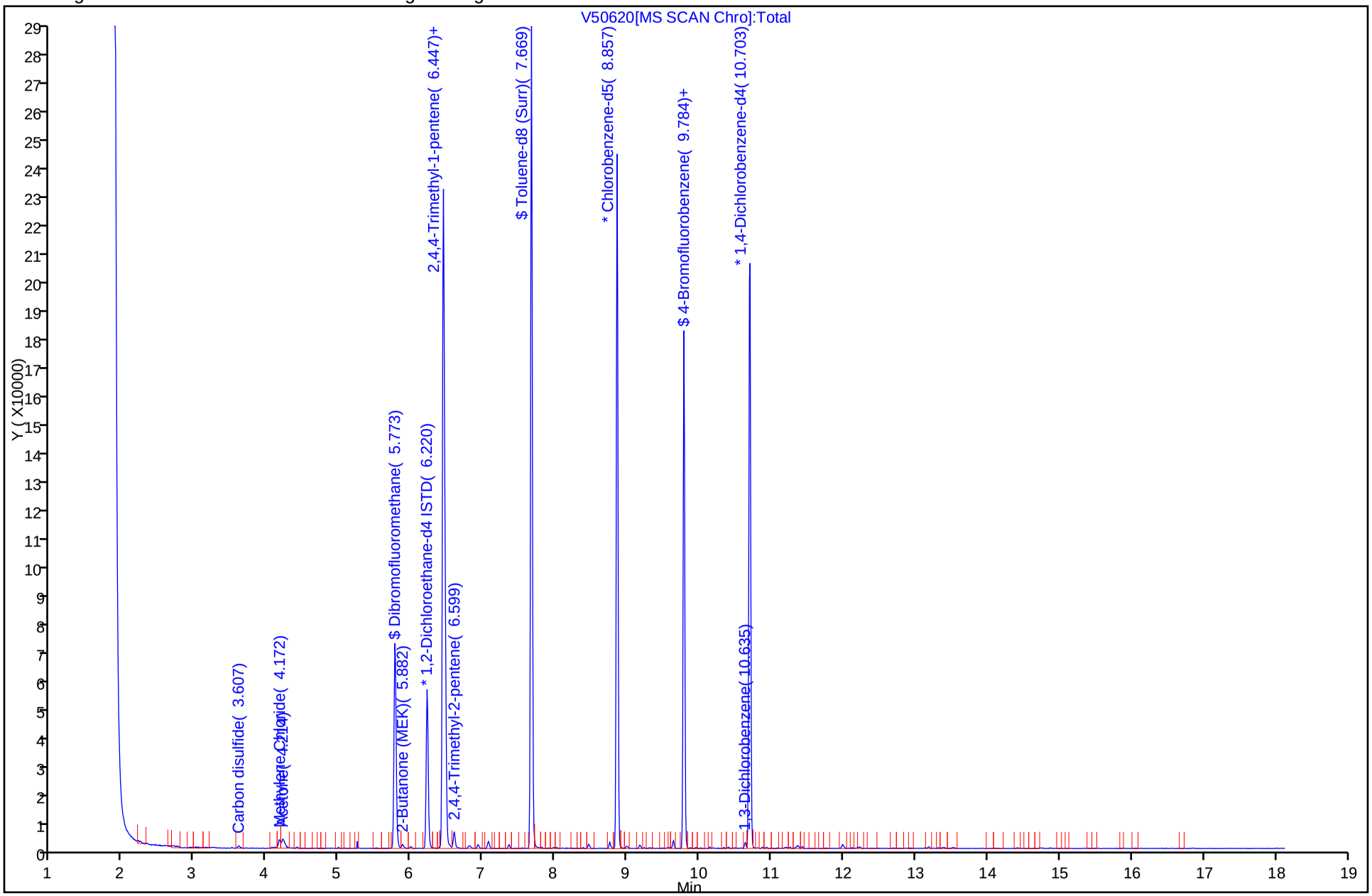
Compound	RT	Response	Amount ug/L	Flags
BFB	9.784	68388		

Report Date: 20-Dec-2010 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D

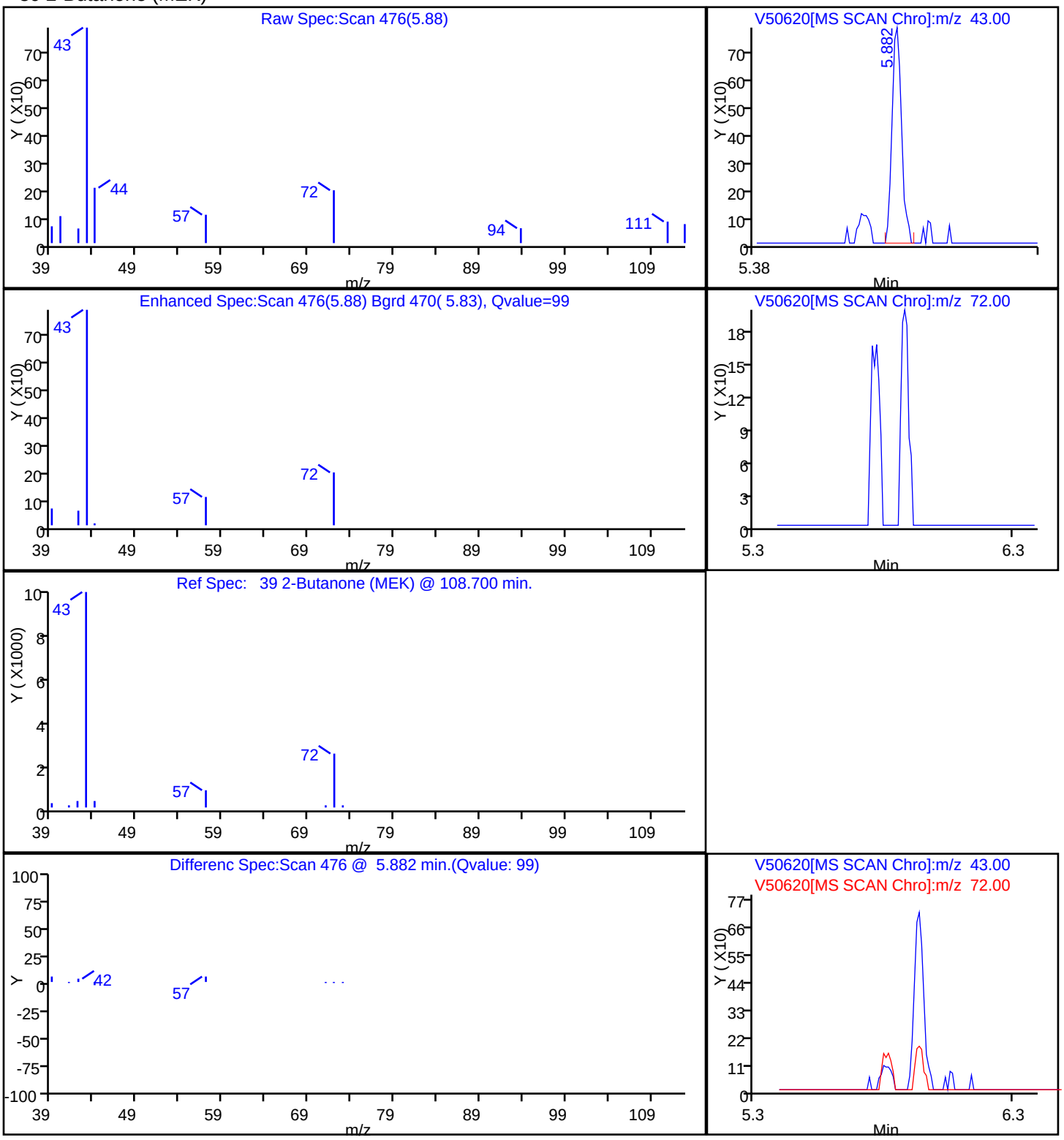
Injection Date:	17-Dec-2010 22:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	19
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D
Injection Date: 17-Dec-2010 22:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 19
Operator ID: CR

39 2-Butanone (MEK)



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Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D

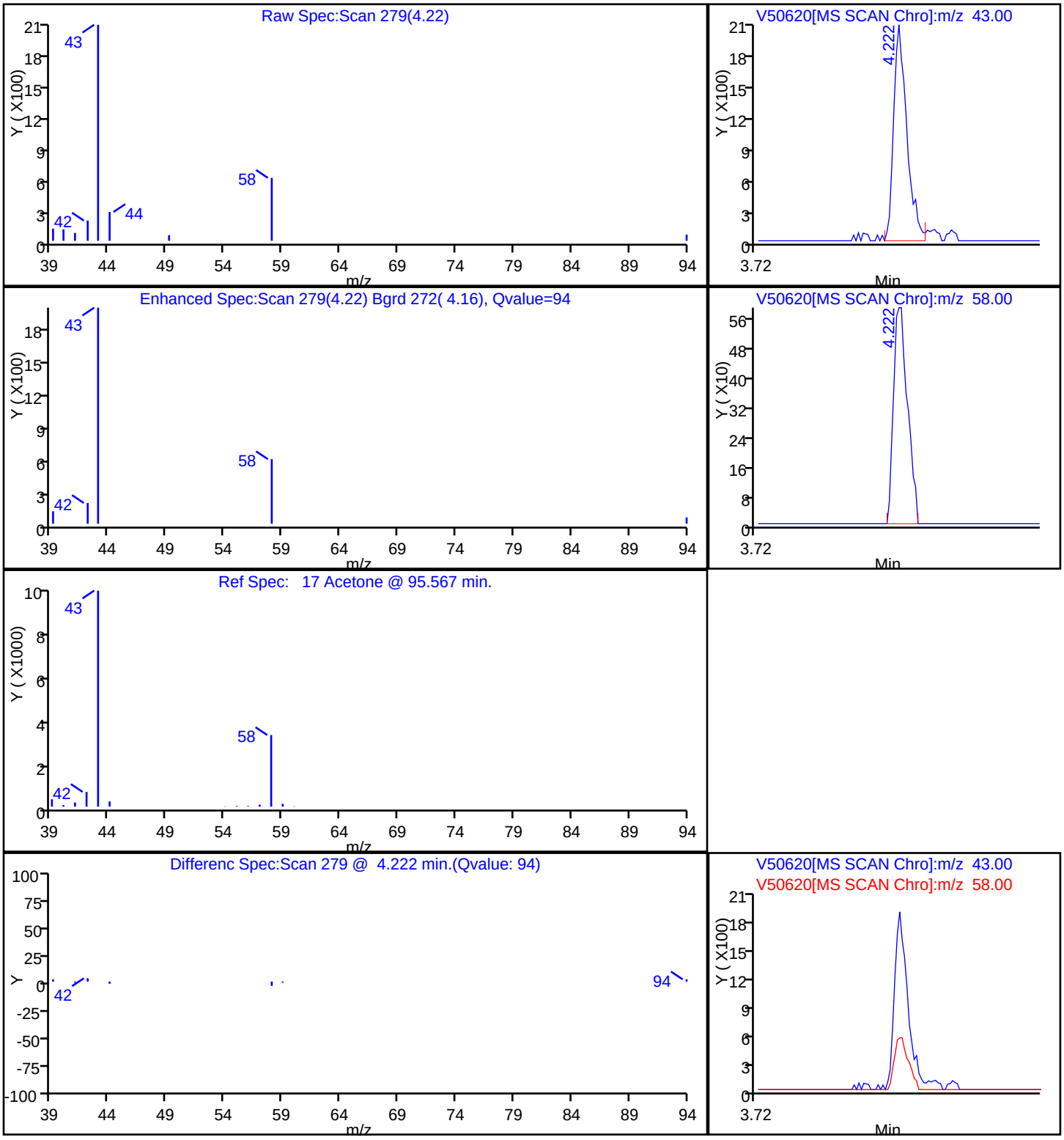
Injection Date: 17-Dec-2010 22:25:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-SD2-XXX Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 19

Operator ID: CR

17 Acetone

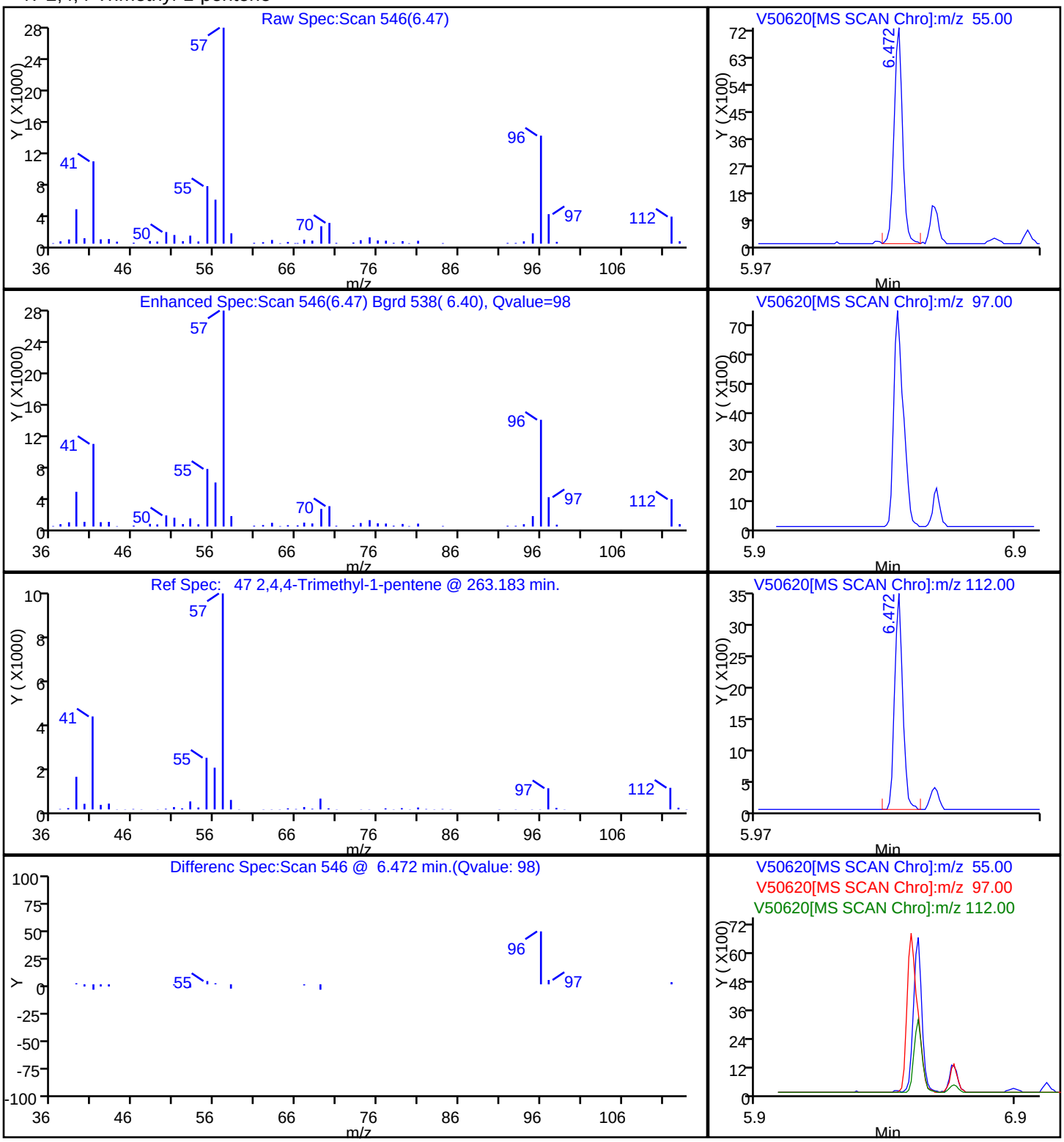


Report Date: 20-Dec-2010 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D

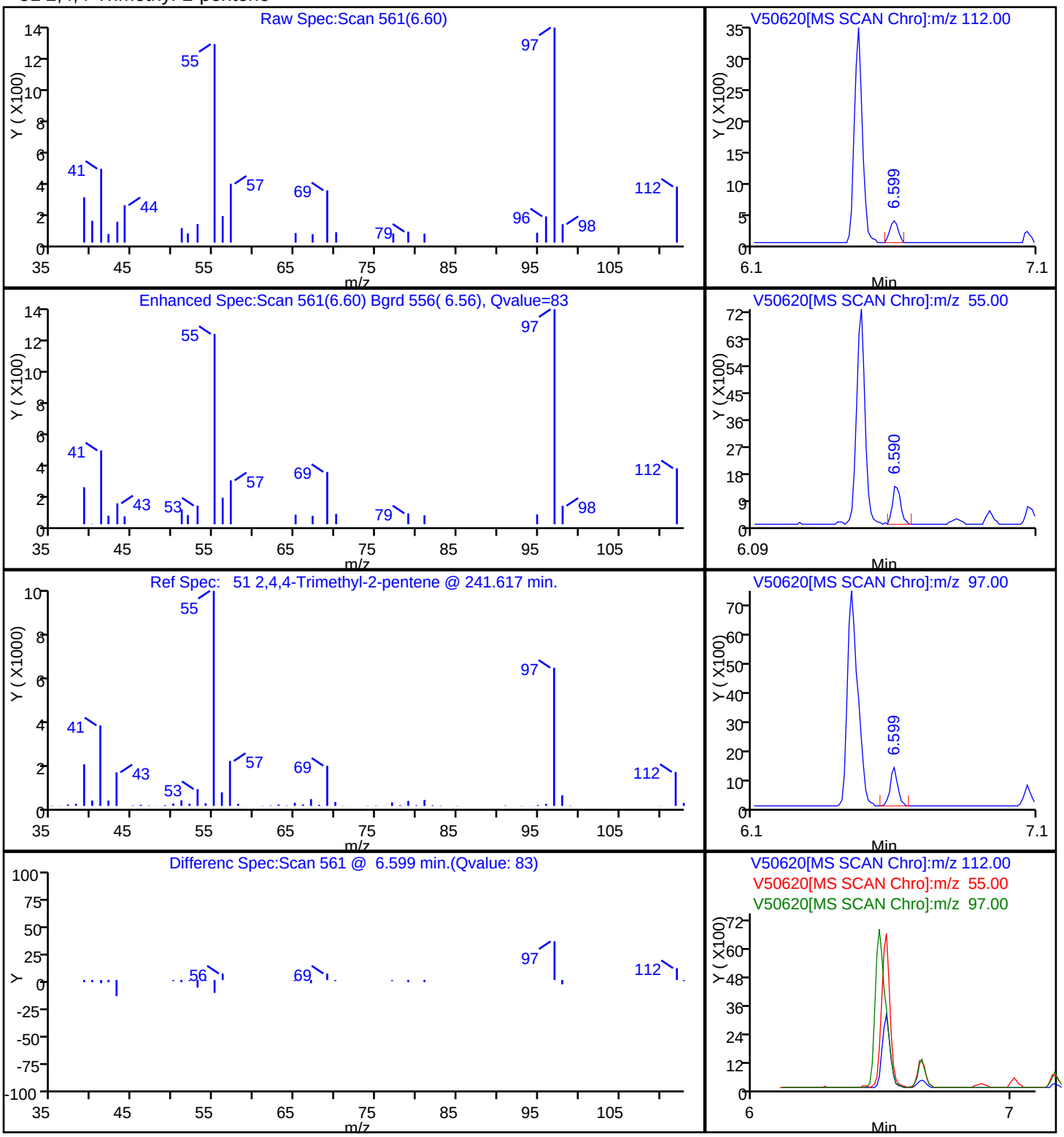
Injection Date:	17-Dec-2010 22:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	19
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene



Report Date: 20-Dec-2010 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D
Injection Date: 17-Dec-2010 22:25:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 19
Operator ID: CR

51 2,4,4-Trimethyl-2-pentene

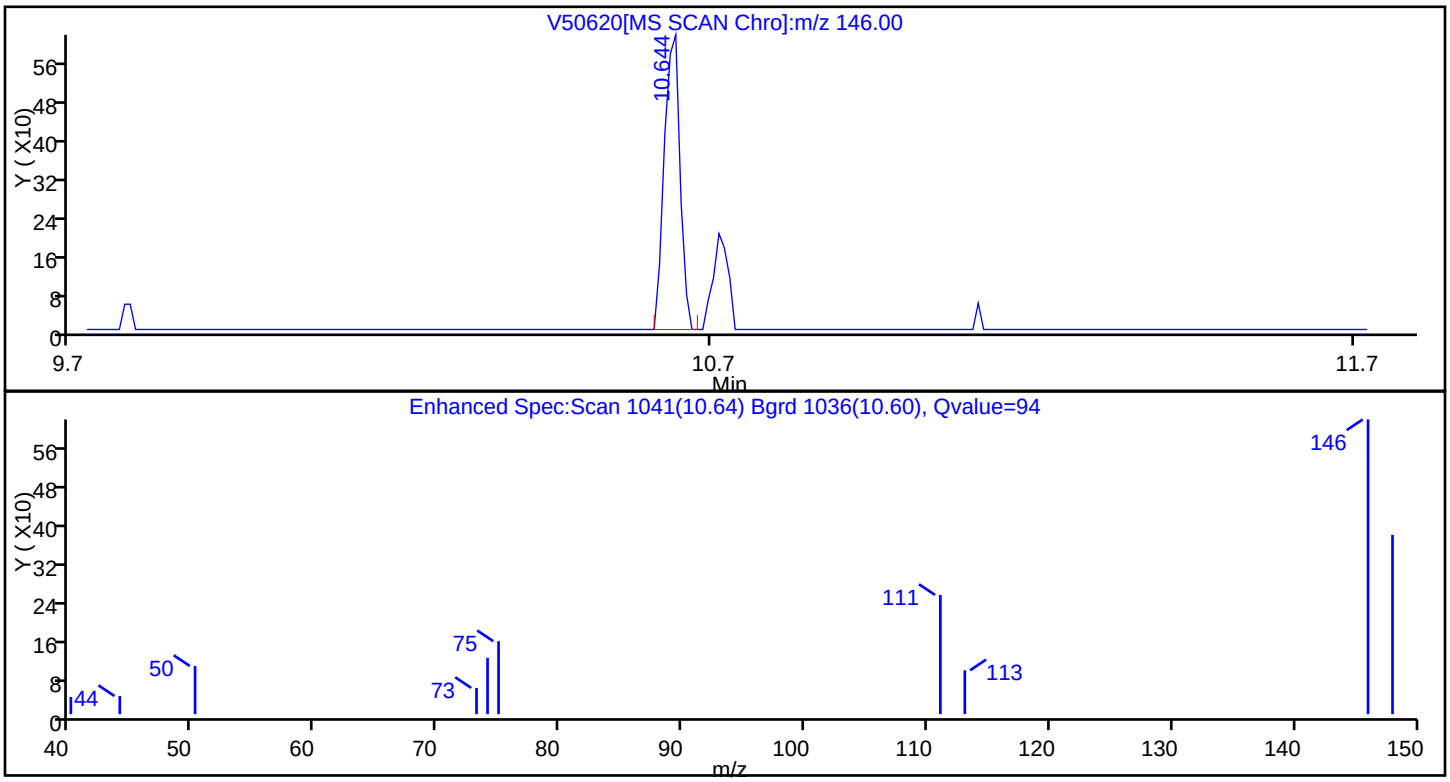


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50620.D		
Injection Date:	17-Dec-2010 22:25:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	19
Operator ID:	CR		

97 1,4-Dichlorobenzene

Processing Results



RT	Mass	Response	Amount
10.64	146.00	1054	0.204751

Reviewer: rouleauc, 20-Dec-2010 10:08:51
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-066 | Lab Sample ID: 360-31465-14

Matrix: Solid | Lab File ID: V50621.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 22:49

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.: 67368 | 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
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
123-91-1	1,4-Dioxane	ND		250	100
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	23	J B	250	17
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
74-97-5	Chlorobromomethane	ND		2.5	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-066 | Lab Sample ID: 360-31465-14

Matrix: Solid | Lab File ID: V50621.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 22:49

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.: 67368 | 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
60-29-7	Ethyl ether	ND		2.5	1.1
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
108-20-3	Isopropyl ether	ND		2.5	1.1
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
994-05-8	Tert-amyl methyl ether	ND		2.5	1.5
637-92-3	Tert-butyl ethyl ether	ND		2.5	1.4
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		25	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
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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-066 | Lab Sample ID: 360-31465-14

Matrix: Solid | Lab File ID: V50621.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 22:49

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.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.6
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.1
110-82-7	Cyclohexane	ND		25	1.0
79-20-9	Methyl acetate	ND		50	14
108-87-2	Methylcyclohexane	ND		2.5	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
1868-53-7	Dibromofluoromethane	97		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-066 | Lab Sample ID: 360-31465-14

Matrix: Solid | Lab File ID: V50621.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.00(g) | Date Analyzed: 12/17/2010 22:49

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.: 67368 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50621.D		
Lims ID:	360-31465-A-14-A	Client ID:	OC-TBK-066
Inject. Date:	17-Dec-2010 22:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-14		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	67368	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:09:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.173	4.182	-0.009	88	1924	0.6059	
17 Acetone	43	4.223	4.224	-0.001	75	1839	4.68	
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.774	5.783	-0.009	92	46452	19.3	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43		5.884					
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.220	6.230	-0.010	0	9313	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.440	6.449	-0.009	99	196067	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					U
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.670	7.671	-0.001	92	177169	20.4	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.858	8.867	-0.009	85	127995	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.785	9.794	-0.009	79	67628	20.8	
$ 124 BFB (tune)	95	9.785	9.830	-0.045	98	67628	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.435					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.695	10.704	-0.009	97	37280	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50621.D		
Lims ID:	360-31465-A-14-A	Client ID:	OC-TBK-066
Inject. Date:	17-Dec-2010 22:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-14		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	67368	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 09:53:16	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	20-Dec-2010 10:09:10

Calibrated Tentative Identified Compound Results

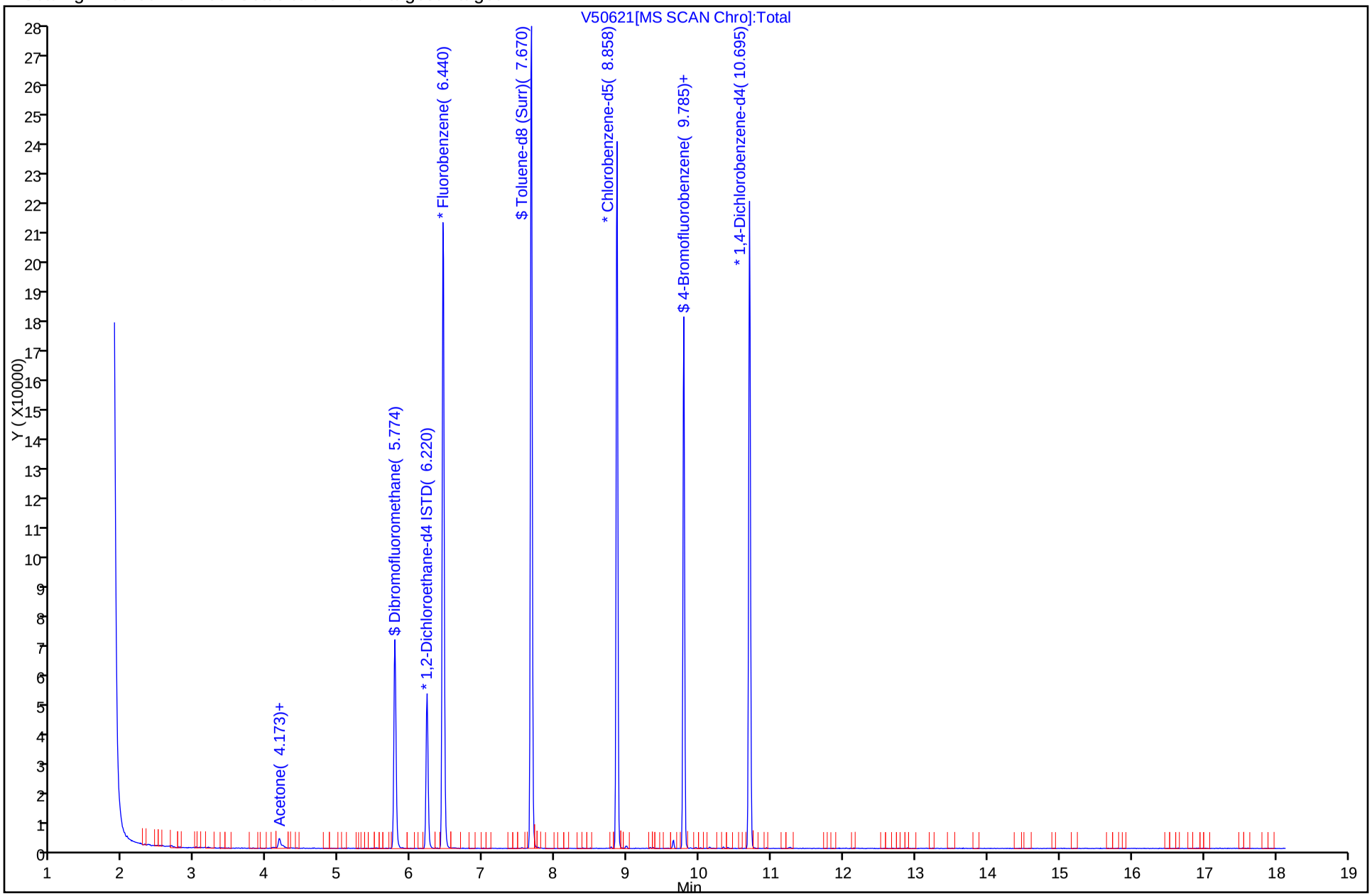
Compound	RT	Response	Amount ug/L	Flags
BFB	9.785	67651		

Report Date: 20-Dec-2010 10:09:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50621.D

Injection Date:	17-Dec-2010 22:49:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-TBK-066	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	20
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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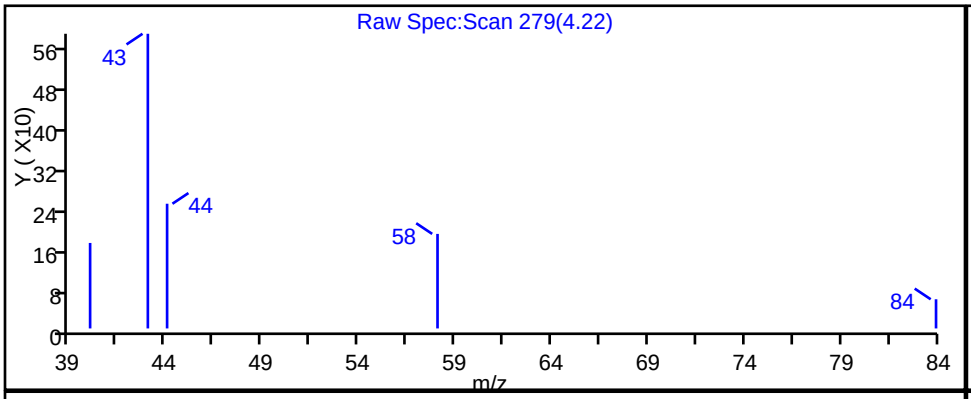
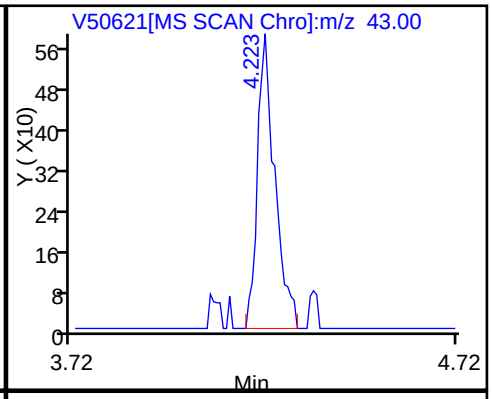
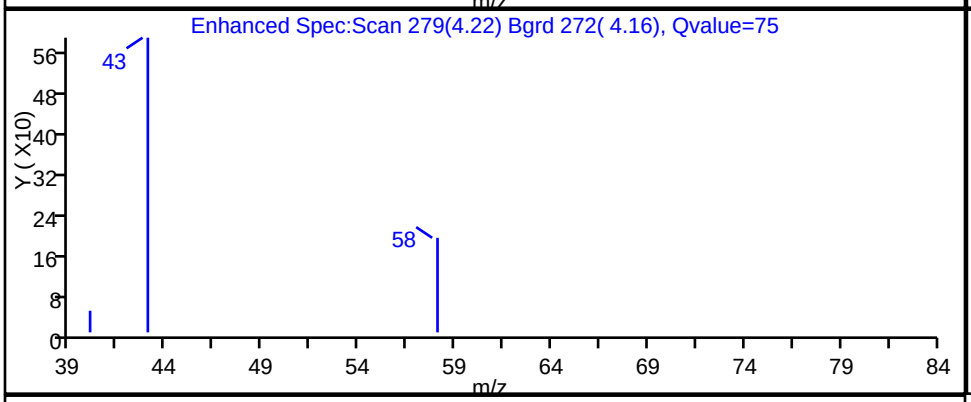
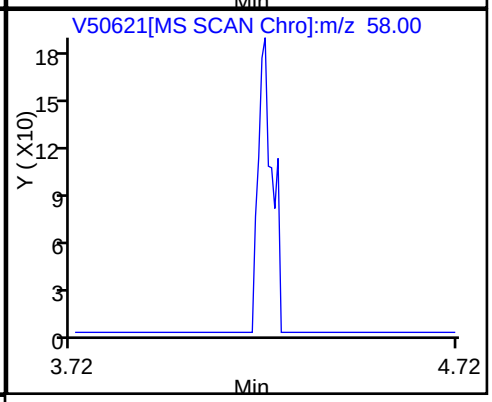
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50621.D
Injection Date: 17-Dec-2010 22:49:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: OC-TBK-066 Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 20
Operator ID: CR

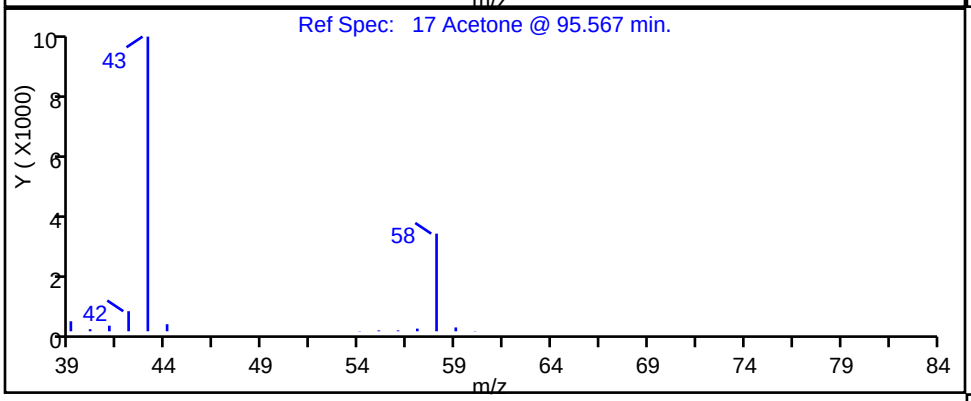
17 Acetone

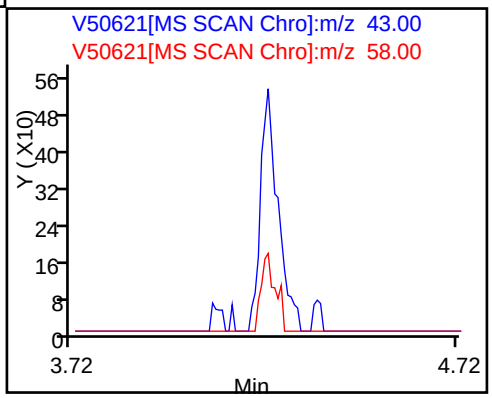










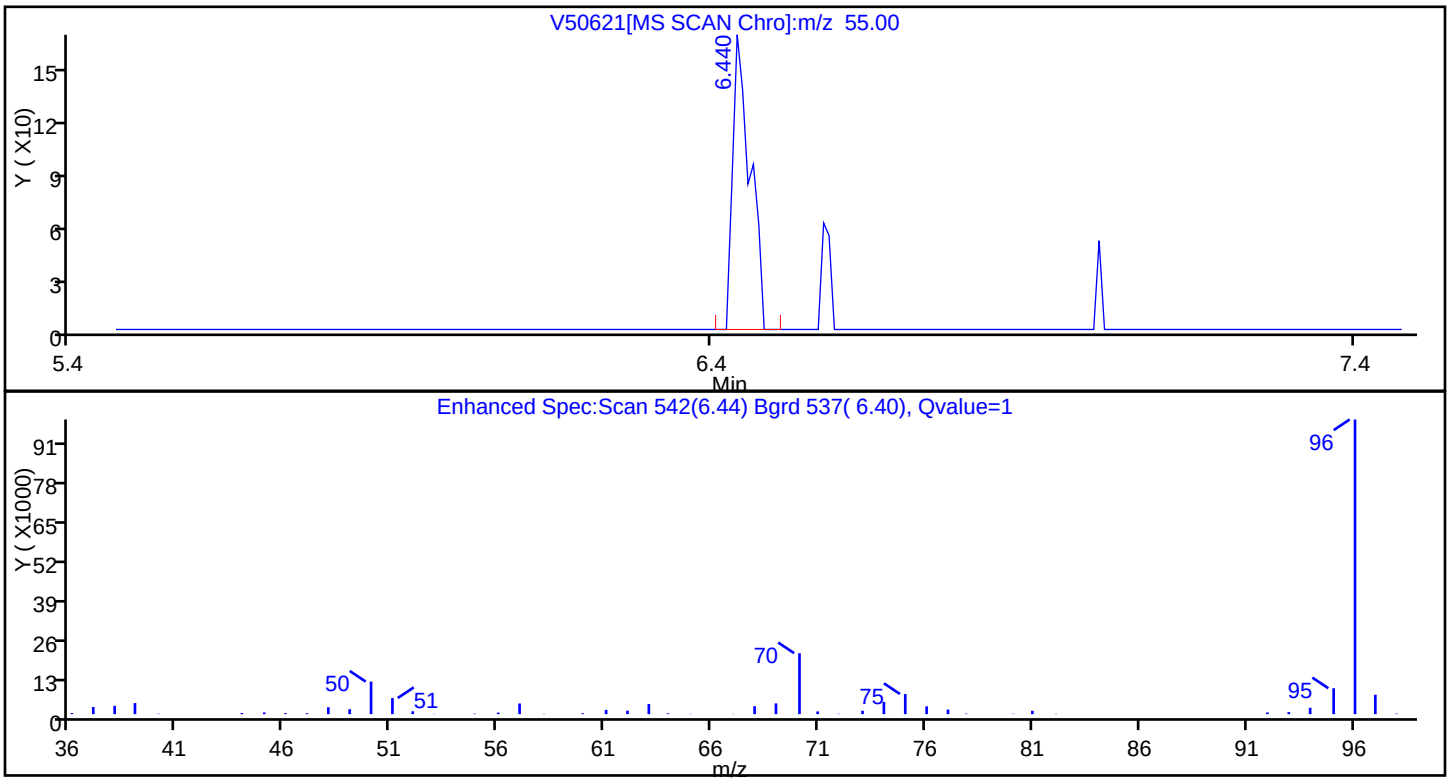


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50621.D		
Injection Date:	17-Dec-2010 22:49:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-TBK-066	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	20
Operator ID:	CR		

47 2,4,4-Trimethyl-1-pentene

Processing Results



RT	Mass	Response	Amount
6.44	55.00	311	0.113428
6.44	97.00	12973	

Reviewer: rouleauc, 20-Dec-2010 10:09:10
Audit Action: Marked Compound Undetected
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-64639/5	V49628.D
Level 2	STD1 360-64639/6	V49629.D
Level 3	STD5 360-64639/7	V49630.D
Level 4	STD10 360-64639/8	V49631.D
Level 5	STD20 360-64639/9	V49632.D
Level 6	STD40 360-64639/10	V49633.D
Level 7	STD80 360-64639/11	V49634.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	0.3935 0.3859	0.4338 0.3940	0.4132	0.4170	0.4116	Ave		0.4070			0.1000	4.1		15.0			
Chloromethane	0.5853 0.5760	0.5341 0.5920	0.6001	0.6055	0.6007	Ave		0.5848			0.1000	4.2		15.0			
Vinyl chloride	0.3856 0.4232	0.3999 0.4374	0.4715	0.4711	0.4575	Ave		0.4352			0.1000	7.8		15.0			
Bromomethane	0.2549 0.2347	0.2234 0.2245	0.2662	0.2708	0.2620	Ave		0.2481			0.1000	8.1		15.0			
Chloroethane	0.2792 0.2173	0.2489 0.1992	0.2664	0.2639	0.2545	Ave		0.2471			0.1000	12.0		15.0			
Trichlorofluoromethane	0.3978 0.4099	0.3985 0.4097	0.4458	0.4645	0.4533	Ave		0.4256			0.1000	6.6		15.0			
Ethyl ether	0.2101 0.2034	0.1920 0.2013	0.2154	0.1932	0.1907	Ave		0.2009				4.7		15.0			
1,1-Dichloroethene	0.3339 0.2745	0.2816 0.2778	0.3253	0.3008	0.2974	Ave		0.2988			0.1000	7.8		15.0			
Carbon disulfide	1.0424 1.0619	0.9916 1.0808	1.2539	1.1788	1.1668	Ave		1.1109			0.1000	8.3		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1714 0.1814	0.1646 0.1862	0.2089	0.1940	0.1945	Ave		0.1859				8.1		15.0			
Methylene Chloride	0.5333 0.3138	0.4296 0.3198	0.3823	0.3371	0.3292	Lin1F		0.3239							0.9960		0.9900
Acetone	0.0752 0.0403	0.0602 0.0390	0.0528	0.0394	0.0391	Lin1F		0.0401							0.9910		0.9900
trans-1,2-Dichloroethene	0.5063 0.5122	0.4859 0.5219	0.5836	0.5476	0.5441	Ave		0.5288			0.1000	6.1		15.0			
Methyl acetate	0.1288 0.1150	0.1137 0.1114	0.1268	0.1120	0.1081	Ave		0.1165				6.9		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 EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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								
Methyl tert-butyl ether	0.5586 0.5687	0.5948 0.5709	0.6440	0.5840	0.5604	Ave		0.5831			0.1000	5.1		15.0			
Isopropyl ether	1.1667 1.2157	1.1494 1.2497	1.3359	1.2388	1.2208	Ave		1.2253				5.0		15.0			
1,1-Dichloroethane	0.6290 0.6163	0.5832 0.6448	0.6720	0.6375	0.6333	Ave		0.6309			0.2000	4.3		15.0			
Tert-butyl ethyl ether	0.9140 0.8638	0.8808 0.8560	1.0160	0.9108	0.8846	Ave		0.9037				6.0		15.0			
1,4-Dioxane	+++++ 0.0197	+++++ 0.0190	0.0226	0.0201	0.0199	Ave		0.0203				6.8		15.0			
cis-1,2-Dichloroethene	0.4910 0.4764	0.4629 0.4967	0.5174	0.4907	0.4893	Ave		0.4892			0.1000	3.5		15.0			
2,2-Dichloropropane	0.3693 0.3747	0.4074 0.3473	0.4536	0.4295	0.4005	Ave		0.3975				9.3		15.0			
Chlorobromomethane	0.1517 0.1452	0.1309 0.1460	0.1612	0.1485	0.1438	Ave		0.1468				6.2		15.0			
Cyclohexane	0.6760 0.6337	0.6181 0.6251	0.7838	0.7044	0.6816	Ave		0.6747				8.6		15.0			
Chloroform	0.7019 0.5495	0.5778 0.5683	0.6262	0.5728	0.5685	Lin	0.0430	0.5642							1.0000		0.9900
Carbon tetrachloride	0.3681 0.3396	0.3303 0.3588	0.3738	0.3676	0.3674	Ave		0.3579			0.1000	4.6		15.0			
Tetrahydrofuran	0.0677 0.0418	0.0495 0.0403	0.0470	0.0412	0.0387	Lin1F		0.0409							0.9970		0.9900
1,1,1-Trichloroethane	0.4037 0.4226	0.4196 0.4431	0.4692	0.4515	0.4488	Ave		0.4369			0.1000	5.2		15.0			
2-Butanone (MEK)	0.0635 0.0645	0.0630 0.0647	0.0652	0.0599	0.0573	Lin2F		0.0626							0.9970		0.9900
1,1-Dichloropropene	0.4267 0.4393	0.3842 0.4560	0.4566	0.4338	0.4467	Ave		0.4348				5.7		15.0			
Benzene	1.1641 1.2296	1.1438 1.2546	1.2749	1.2250	1.2358	Ave		1.2182			0.5000	3.9		15.0			
Tert-amyl methyl ether	0.6760 0.6609	0.6121 0.6732	0.7426	0.6721	0.6493	Ave		0.6694				5.8		15.0			
1,2-Dichloroethane	0.2527 0.2662	0.2387 0.2747	0.2681	0.2445	0.2506	Ave		0.2565			0.1000	5.2		15.0			
2,4,4-Trimethyl-1-pentene	0.3379 0.2406	0.2948 0.2443	0.2969	0.2738	0.2695	Ave		0.2797				12.0		15.0			
Trichloroethene	0.3541 0.3006	0.3037 0.2834	0.3073	0.2909	0.3027	Ave		0.3061			0.2000	7.4		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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								
Methylcyclohexane	0.6302 0.5057	0.5422 0.4539	0.6376	0.5918	0.5651	Ave		0.5609				12.0		15.0			
2,4,4-Trimethyl-2-pentene	0.1788 0.1635	0.1486 0.1556	0.1989	0.1795	0.1798	Ave		0.1721				10.0		15.0			
Dibromomethane	0.1116 0.1139	0.0988 0.1157	0.1113	0.1064	0.1080	Ave		0.1094				5.2		15.0			
1,2-Dichloropropane	0.2842 0.2539	0.2611 0.2474	0.2660	0.2581	0.2570	Ave		0.2611			0.1000	4.5		15.0			
Dichlorobromomethane	0.3455 0.3229	0.2876 0.3351	0.3208	0.2988	0.3092	Ave		0.3171			0.2000	6.4		15.0			
cis-1,3-Dichloropropene	0.3482 0.3919	0.3158 0.4084	0.3396	0.3447	0.3637	Ave		0.3589			0.2000	8.9		15.0			
Toluene	0.6683 0.6769	0.6021 0.6928	0.6557	0.6600	0.6792	Ave		0.6621			0.4000	4.4		15.0			
4-Methyl-2-pentanone (MIBK)	0.1202 0.1231	0.1142 0.1125	0.1366	0.1247	0.1193	Ave		0.1215			0.1000	6.5		15.0			
Tetrachloroethene	0.1688 0.1823	0.1732 0.1815	0.1906	0.1875	0.1891	Lin2F		0.1819							0.9980		0.9900
trans-1,3-Dichloropropene	0.2631 0.2649	0.2203 0.2616	0.2380	0.2455	0.2439	Ave		0.2482			0.1000	6.6		15.0			
1,1,2-Trichloroethane	0.1701 0.1211	0.1226 0.1260	0.1171	0.1143	0.1140	Lin1F		0.1223							0.9980		0.9900
Chlorodibromomethane	0.1657 0.1812	0.1499 0.1896	0.1663	0.1643	0.1661	Ave		0.1690			0.1000	7.6		15.0			
1,3-Dichloropropane	0.2540 0.2734	0.2376 0.2849	0.2421	0.2386	0.2449	Ave		0.2536				7.3		15.0			
Ethylene Dibromide	0.1254 0.1387	0.1260 0.1408	0.1180	0.1200	0.1213	Ave		0.1272				7.1		15.0			
2-Hexanone	0.0677 0.0768	0.0678 0.0759	0.0719	0.0710	0.0677	Lin2F		0.0712							0.9960		0.9900
Chlorobenzene	1.0627 0.9706	0.9713 0.8717	1.0399	1.0334	0.9781	Ave		0.9897			0.5000	6.5		15.0			
Ethylbenzene	2.1702 1.8831	1.9278 1.6648	2.1443	2.0671	1.9570	Ave		1.9735			0.1000	8.8		15.0			
1,1,1,2-Tetrachloroethane	0.4041 0.3748	0.3529 0.3524	0.4316	0.3970	0.3751	Ave		0.3840				7.5		15.0			
m-Xylene & p-Xylene	1.6041 1.4464	1.4824 1.2541	1.6401	1.5967	1.5190	Ave		1.5061			0.1000	8.7		15.0			
o-Xylene	1.7538 1.6426	1.6111 1.5033	1.8534	1.7395	1.6805	Ave		1.6834			0.3000	6.7		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 EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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								
Styrene	1.2526 1.1571	1.1382 1.0605	1.2406	1.2195	1.1584	Ave		1.1753			0.3000	5.7		15.0			
Bromoform	0.4503 0.4884	0.4070 0.5244	0.4807	0.4610	0.4602	Ave		0.4674			0.1000	7.8		15.0			
Isopropylbenzene	2.0977 1.9899	1.9733 1.8033	2.3384	2.2169	2.1003	Ave		2.0742			0.1000	8.4		15.0			
BFB						None											
Bromobenzene	0.9254 0.7523	0.8493 0.6343	0.8605	0.8339	0.7828	Ave		0.8055				12.0		15.0			
N-Propylbenzene	2.6345 2.2976	2.4737 1.9633	2.7220	2.6229	2.4885	Ave		2.4575				11.0		15.0			
1,1,2,2-Tetrachloroethane	1.0444 0.8807	0.9559 0.8996	1.0437	0.9058	0.8693	Ave		0.9428			0.3000	7.9		15.0			
2-Chlorotoluene	1.8050 1.5148	1.6546 1.2827	1.8250	1.7386	1.6097	Ave		1.6329				12.0		15.0			
1,3,5-Trimethylbenzene	1.8425 1.5324	1.6848 1.2880	1.8913	1.7871	1.6734	Ave		1.6714				12.0		15.0			
1,2,3-Trichloropropane	0.0688 0.0627	0.0763 0.0558	0.0702	0.0666	0.0597	Ave		0.0657				11.0		15.0			
4-Chlorotoluene	1.5858 1.4350	1.4261 1.2970	1.5566	1.5253	1.4434	Ave		1.4670				6.7		15.0			
tert-Butylbenzene	1.4423 1.3828	1.3481 1.2109	1.5691	1.5216	1.4497	Ave		1.4178				8.4		15.0			
1,2,4-Trimethylbenzene	1.8537 1.6176	1.6847 1.4089	1.8972	1.8102	1.7048	Ave		1.7110				9.7		15.0			
sec-Butylbenzene	2.4617 2.1517	2.2481 1.8752	2.5731	2.4344	2.3187	Ave		2.2947				10.0		15.0			
4-Isopropyltoluene	1.8471 1.6602	1.7523 1.4307	1.9824	1.8948	1.7861	Ave		1.7648				10.0		15.0			
1,3-Dichlorobenzene	0.8884 0.7706	0.8439 0.6817	0.9072	0.8653	0.8043	Ave		0.8231			0.6000	9.5		15.0			
1,4-Dichlorobenzene	2.9281 2.6648	2.6230 2.6276	2.8210	2.6997	2.6969	Ave		2.7230			0.5000	4.1		15.0			
n-Butylbenzene	5.9340 6.1834	5.7271 5.9156	6.8181	6.5415	6.6550	Ave		6.2535				6.7		15.0			
1,2-Dichlorobenzene	2.4372 2.3768	2.2345 2.3063	2.5624	2.3941	2.4143	Ave		2.3894			0.4000	4.3		15.0			
1,2-Dibromo-3-Chloropropane	0.1081 0.1429	0.1404 0.1325	0.1502	0.1315	0.1288	Ave		0.1335			0.0500	10.0		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 EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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								
Hexachlorobutadiene	0.8455 0.9800	0.7323 0.9263	1.0598	0.9539	1.0073	Ave		0.9293				12.0		15.0			
1,2,4-Trichlorobenzene	1.3308 1.5398	1.2432 1.4548	1.6417	1.5254	1.5291	Ave		1.4664				9.3		15.0			
Naphthalene	2.1295 2.3739	1.8952 2.2375	2.4784	2.2292	2.2730	Ave		2.2310				8.3		15.0			
1,2,3-Trichlorobenzene	1.0451 1.1525	0.9495 1.0860	1.2307	1.1257	1.1583	Ave		1.1068			0.2000	8.2		15.0			
Dibromofluoromethane	0.2370 0.2495	0.2402 0.2577	0.2465	0.2413	0.2420	Ave		0.2449				2.9		15.0			
Toluene-d8 (Surr)	0.8087 0.9412	0.8314 1.0360	0.8346	0.8647	0.8865	Ave		0.8862				8.9		15.0			
4-Bromofluorobenzene	0.5134 0.5176	0.5214 0.5062	0.4999	0.5100	0.4859	Ave		0.5078				2.4		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-64639/5	V49628.D
Level 2	STD1 360-64639/6	V49629.D
Level 3	STD5 360-64639/7	V49630.D
Level 4	STD10 360-64639/8	V49631.D
Level 5	STD20 360-64639/9	V49632.D
Level 6	STD40 360-64639/10	V49633.D
Level 7	STD80 360-64639/11	V49634.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		Ave	3068 225433	6436 432108	30155	60990	120279	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloromethane		Ave	4563 336528	7923 649277	43790	88563	175549	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Vinyl chloride		Ave	3006 247279	5932 479682	34404	68911	133703	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromomethane		Ave	1987 137103	3314 246181	19425	39614	76584	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloroethane		Ave	2177 126946	3693 218508	19437	38605	74381	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Trichlorofluoromethane		Ave	3101 239463	5911 449376	32534	67942	132469	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethyl ether		Ave	1638 118864	2849 220745	15715	28253	55743	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1-Dichloroethene		Ave	2603 160349	4178 304642	23741	44002	86924	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Carbon disulfide		Ave	8127 620418	14710 1185459	91495	172429	341002	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne		Ave	1336 106009	2442 204263	15243	28377	56832	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methylene Chloride		Lin1F	4158 183312	6373 350749	27897	49306	96205	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acetone		Lin1F	5862 235693	8924 427472	38564	57670	114174	5.00 400	10.0 800	50.0	100	200
trans-1,2-Dichloroethene		Ave	3947 299277	7208 572413	42589	80093	159017	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl acetate		Ave	10042 671707	16862 1221318	92496	163887	315891	5.00 400	10.0 800	50.0	100	200
Methyl tert-butyl ether		Ave	4355 332288	8823 626156	46993	85424	163789	0.500 40.0	1.00 80.0	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.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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
Isopropyl ether		Ave	9096 710289	17051 1370640	97480	181209	356778	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1-Dichloroethane		Ave	4904 360094	8651 707204	49039	93255	185086	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tert-butyl ethyl ether		Ave	7126 504683	13067 938818	74137	133227	258516	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,4-Dioxane		Ave	+++++ 5861	+++++ 10859	829	1433	2785	+++++ 400	+++++ 800	50.0	100	200
cis-1,2-Dichloroethene		Ave	3828 278362	6867 544794	37754	71771	142986	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,2-Dichloropropane		Ave	2879 218929	6043 380879	33100	62820	117038	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chlorobromomethane		Ave	1183 84818	1942 160098	11762	21728	42013	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Cyclohexane		Ave	5270 370223	9169 685602	57198	103028	199212	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloroform		Lin	5472 321040	8571 623322	45694	83781	166156	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Carbon tetrachloride		Ave	2870 198384	4900 393563	27274	53765	107370	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tetrahydrofuran		Lin1F	5276 244360	7341 441597	34297	60254	112956	5.00 400	10.0 800	50.0	100	200
1,1,1-Trichloroethane		Ave	3147 246884	6225 486031	34239	66039	131175	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Butanone (MEK)		Lin2F	4949 377091	9351 709164	47610	87663	167559	5.00 400	10.0 800	50.0	100	200
1,1-Dichloropropene		Ave	3327 256655	5700 500137	33319	63449	130563	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Benzene		Ave	9076 718366	16968 1376011	93029	179188	361157	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tert-amyl methyl ether		Ave	5270 386129	9080 738346	54186	98303	189758	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichloroethane		Ave	1970 155536	3541 301322	19562	35763	73243	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,4,4-Trimethyl-1-pentene		Ave	2634 140589	4374 267922	21662	40047	78771	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Trichloroethene		Ave	2761 175597	4505 310809	22422	42554	88451	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methylcyclohexane		Ave	4913 295449	8043 497847	46524	86571	165158	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,4,4-Trimethyl-2-pentene		Ave	1394 95538	2205 170704	14513	26260	52555	0.500 40.0	1.00 80.0	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.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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
Dibromomethane		Ave	870 66549	1465 126949	8121	15559	31554	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichloropropane		Ave	2216 148363	3873 271363	19407	37758	75108	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dichlorobromomethane		Ave	2694 188631	4266 367585	23407	43702	90364	0.500 40.0	1.00 80.0	5.00	10.0	20.0
cis-1,3-Dichloropropene		Ave	2715 228945	4685 447886	24783	50413	106298	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Toluene		Ave	5210 395508	8932 759827	47845	96543	198485	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)		Ave	9375 718926	16948 1234319	99657	182475	348591	5.00 400	10.0 800	50.0	100	200
Tetrachloroethene		Lin2F	1316 106523	2570 199081	13908	27420	55275	0.500 40.0	1.00 80.0	5.00	10.0	20.0
trans-1,3-Dichloropropene		Ave	2051 154785	3268 286902	17369	35911	71269	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2-Trichloroethane		Lin1F	1326 70767	1818 138198	8543	16721	33308	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chlorodibromomethane		Ave	1292 105845	2224 207955	12134	24027	48550	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3-Dichloropropane		Ave	1980 159744	3525 312445	17669	34899	71581	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethylene Dibromide		Ave	978 81029	1869 154456	8607	17546	35454	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Hexanone		Lin2F	5277 448547	10054 832411	52501	103789	197828	5.00 400	10.0 800	50.0	100	200
Chlorobenzene		Ave	4852 360838	8733 648707	45006	92658	182964	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethylbenzene		Ave	9908 700049	17334 1238956	92804	185346	366074	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane		Ave	1845 139337	3173 262279	18680	35595	70169	0.500 40.0	1.00 80.0	5.00	10.0	20.0
m-Xylene & p-Xylene		Ave	14647 1075431	26658 1866628	141966	286341	568259	1.00 80.0	2.00 160	10.0	20.0	40.0
o-Xylene		Ave	8007 610624	14486 1118815	80213	155968	314351	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Styrene		Ave	5719 430150	10234 789260	53692	109343	216677	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromoform		Ave	654 51164	1160 97897	6436	12617	24366	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isopropylbenzene		Ave	9577 739727	17743 1342083	101203	198773	392873	0.500 40.0	1.00 80.0	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.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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
BFB		None	48808 49354	46994 49216	44824	47264	46767	20.0 20.0	20.0 20.0	20.0	20.0	20.0
Bromobenzene		Ave	4225 279669	7636 472034	37240	74771	146430	0.500 40.0	1.00 80.0	5.00	10.0	20.0
N-Propylbenzene		Ave	12028 854119	22242 1461151	117805	235179	465491	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane		Ave	1517 92268	2724 167952	13974	24791	46030	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Chlorotoluene		Ave	8241 563110	14877 954621	78986	155892	301094	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3,5-Trimethylbenzene		Ave	8412 569654	15149 958569	81855	160236	313022	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,3-Trichloropropane		Ave	314 23295	686 41511	3040	5969	11161	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Chlorotoluene		Ave	7240 533458	12823 965261	67369	136765	269985	0.500 40.0	1.00 80.0	5.00	10.0	20.0
tert-Butylbenzene		Ave	6585 514072	12121 901171	67908	136433	271167	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,4-Trimethylbenzene		Ave	8463 601353	15148 1048552	82111	162313	318888	0.500 40.0	1.00 80.0	5.00	10.0	20.0
sec-Butylbenzene		Ave	11239 799889	20214 1395599	111363	218280	433722	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Isopropyltoluene		Ave	8433 617195	15756 1064791	85797	169897	334095	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3-Dichlorobenzene		Ave	4056 286481	7588 507364	39264	77584	150444	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,4-Dichlorobenzene		Ave	4253 279179	7475 490563	37769	73892	142798	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Butylbenzene		Ave	8619 647807	16321 1104417	91286	179045	352370	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichlorobenzene		Ave	3540 249003	6368 430583	34307	65528	127830	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane		Ave	157 14973	400 24744	2011	3600	6821	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Hexachlorobutadiene		Ave	1228 102670	2087 172935	14189	26109	53337	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,4-Trichlorobenzene		Ave	1933 161318	3543 271597	21980	41750	80963	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Naphthalene		Ave	3093 248706	5401 417734	33183	61013	120349	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,3-Trichlorobenzene		Ave	1518 120741	2706 202751	16478	30812	61329	0.500 40.0	1.00 80.0	5.00	10.0	20.0

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GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 64639

SDG No.: 360-31465-1

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

Calibration Start Date: 10/19/2010 15:51 Calibration End Date: 10/19/2010 18:32 Calibration ID: 9957

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
Dibromofluoromethane		Ave	73902 72884	71274 70662	71937	70597	70734	20.0 20.0	20.0 20.0	20.0	20.0	20.0
Toluene-d8 (Surr)		Ave	252192 274959	246686 284068	243615	252979	259092	20.0 20.0	20.0 20.0	20.0	20.0	20.0
4-Bromofluorobenzene		Ave	93762 96200	93759 94174	86537	91455	90896	20.0 20.0	20.0 20.0	20.0	20.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1F = Linear 1/conc ISTD forced zero
Lin2F = Linear 1/conc^2 ISTD forced zero
None = No Calib Curve

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49628.D
Lims ID: STD05 Client ID:
Inject. Date: 19-Oct-2010 15:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD05
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 64639 Lims Sample ID: 5
Sublist: chrom-WES1SOIL*sub14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m
Last Update: 21-Oct-2010 08:40:52 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 20-Oct-2010 15:53:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.062	1.988	0.074	0	3068	0.4834	M
2 Chloromethane	50	2.196	2.199	-0.003	87	4563	0.5004	
3 Vinyl chloride	62	2.323	2.317	0.006	64	3006	0.4430	
4 Bromomethane	94	2.719	2.722	-0.003	94	1987	0.5137	
5 Chloroethane	64	2.879	2.882	-0.003	95	2177	0.5651	
6 Trichlorofluoromethane	101	3.031	3.033	-0.002	82	3101	0.4673	
7 Dichlorofluoromethane	67	3.115	3.101	0.014	0	4543	0	
8 Ethyl ether	59	3.368	3.370	-0.002	91	1638	0.5230	
9 1,1-Dichloroethene	96	3.587	3.581	0.006	96	2603	0.5588	
11 Ethanol	45	3.545	3.581	-0.036	48	741	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.595	3.589	0.006	80	2156	0	
10 Carbon disulfide	76	3.604	3.606	-0.002	65	8127	0.4692	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.646	3.648	-0.002	52	1336	0.4610	
14 Acrolein	56	3.932	3.927	0.005	83	7255	0	
15 Isopropyl alcohol	45	4.093	4.078	0.015	88	4482	0	
16 Methylene Chloride	84	4.168	4.171	-0.003	93	4158	0.8232	
17 Acetone	43	4.219	4.213	0.006	80	5862	9.38	
18 trans-1,2-Dichloroethene	61	4.328	4.323	0.005	68	3947	0.4787	
19 Methyl acetate	43	4.337	4.339	-0.002	65	10042	5.53	
20 Hexane	57	4.413	4.407	0.006	71	5323	0	
21 Methyl tert-butyl ether	73	4.430	4.432	-0.002	73	4355	0.4790	
22 2-Methyl-2-propanol	59	4.522	4.516	0.006	21	1588	0	
23 Isopropyl ether	45	4.784	4.778	0.006	97	9096	0.4761	
24 1,1-Dichloroethane	63	4.901	4.904	-0.003	62	4904	0.4985	
25 Acrylonitrile	53	4.952	4.955	-0.003	0	941	0	A
26 Tert-butyl ethyl ether	59	5.112	5.106	0.006	34	7126	0.5057	
27 Vinyl acetate	43	5.129	5.123	0.006	90	21083	0	
28 cis-1,2-Dichloroethene	61	5.390	5.384	0.006	55	3828	0.5018	
29 2,2-Dichloropropane	77	5.491	5.486	0.005	73	2879	0.4646	
31 Chlorobromomethane	130	5.559	5.561	-0.002	69	1183	0.5170	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.567	5.570	-0.003	83	5270	0.5010	
32 Chloroform	83	5.618	5.612	0.006	82	5472	0.5458	
34 Ethyl acetate	43	5.710	5.705	0.005	80	14107	0	
36 sec-Butyl Alcohol	45	5.736	5.730	0.006	80	5771	0	
33 Carbon tetrachloride	117	5.744	5.747	-0.003	1	2870	0.5142	
35 Tetrahydrofuran	42	5.761	5.755	0.006	1	5276	8.28	
$ 37 Dibromofluoromethane	113	5.769	5.772	-0.003	47	73902	19.4	
38 1,1,1-Trichloroethane	97	5.803	5.806	-0.003	1	3147	0.4619	
39 2-Butanone (MEK)	43	5.879	5.873	0.006	92	4949	5.07	
40 1,1-Dichloropropene	75	5.904	5.898	0.006	95	3327	0.4908	
41 n-Heptane	43	6.064	6.059	0.005	94	3332	0	
42 Benzene	78	6.115	6.109	0.006	81	9076	0.4778	
43 Tert-amyl methyl ether	73	6.191	6.185	0.006	75	5270	0.5049	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.216	6.219	-0.003	0	14622	20.0	
45 1,2-Dichloroethane	62	6.275	6.269	0.006	38	1970	0.4926	
* 46 Fluorobenzene	96	6.444	6.438	0.006	84	311854	20.0	
48 Isopropyl acetate	43	6.444	6.438	0.006	1	20738	0	
47 2,4,4-Trimethyl-1-pentene	55	6.469	6.463	0.006	1	2634	0.6040	
50 Trichloroethene	95	6.570	6.573	-0.003	45	2761	0.5785	
49 Methylcyclohexane	83	6.578	6.573	0.005	74	4913	0.5617	
51 2,4,4-Trimethyl-2-pentene	112	6.595	6.589	0.006	81	1394	0.5194	
52 Dibromomethane	93	6.907	6.910	-0.003	83	870	0.5101	
53 1,2-Dichloropropane	63	6.991	6.985	0.006	52	2216	0.5443	
54 Dichlorobromomethane	83	7.025	7.028	-0.003	82	2694	0.5448	
55 Methyl methacrylate	69	7.135	7.129	0.006	92	776	0	
56 1,4-Dioxane	88		7.179					
57 n-Propyl acetate	43	7.236	7.230	0.006	85	11440	0	
58 2-Chloroethyl vinyl ether	63	7.455	7.449	0.006	76	4431	0	
59 cis-1,3-Dichloropropene	75	7.514	7.508	0.006	92	2715	0.4852	
$ 60 Toluene-d8 (Surr)	98	7.665	7.660	0.005	48	252192	18.3	
61 Toluene	92	7.699	7.702	-0.003	91	5210	0.5046	
63 4-Methyl-2-pentanone (MIBK)	43	7.977	7.971	0.006	85	9375	4.95	
62 Tetrachloroethene	164	8.003	7.997	0.006	91	1316	0.4641	
64 trans-1,3-Dichloropropene	75	8.011	8.005	0.006	73	2051	0.5300	
65 Isobutyl acetate	43	8.053	8.047	0.006	83	27778	0	
66 1,1,2-Trichloroethane	83	8.137	8.132	0.005	77	1326	0.6953	
67 Chlorodibromomethane	129	8.272	8.275	-0.003	75	1292	0.4903	
68 1,3-Dichloropropane	76	8.348	8.351	-0.003	77	1980	0.5006	
69 Ethylene Dibromide	107	8.474	8.469	0.005	95	978	0.4932	
70 n-Butyl acetate	43	8.517	8.519	-0.002	99	13922	0	
71 2-Hexanone	43	8.609	8.603	0.006	97	5277	4.75	
* 72 Chlorobenzene-d5	117	8.854	8.848	0.006	75	182622	20.0	
73 Chlorobenzene	112	8.862	8.865	-0.003	1	4852	0.5369	
74 Ethylbenzene	91	8.871	8.873	-0.002	1	9908	0.5498	
75 1,1,1,2-Tetrachloroethane	131	8.904	8.907	-0.003	57	1845	0.5262	
76 m-Xylene & p-Xylene	91	8.980	8.983	-0.003	99	14647	1.07	
77 o-Xylene	91	9.317	9.311	0.006	82	8007	0.5209	
78 Styrene	104	9.351	9.353	-0.002	56	5719	0.5329	
79 Bromoform	173	9.385	9.387	-0.002	61	654	0.4817	
80 Isopropylbenzene	105	9.553	9.547	0.006	96	9577	0.5056	
$ 82 4-Bromofluorobenzene	95	9.781	9.775	0.006	78	93762	20.2	
$ 81 BFB	95	9.781	9.780	0.001	78	94218	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.873	9.867	0.006	65	12028	0.5360	
83 Bromobenzene	77	9.873	9.867	0.006	19	4225	0.5744	
85 1,1,2,2-Tetrachloroethane	83	9.915	9.910	0.005	42	1517	0.5539	
86 2-Chlorotoluene	91	10.008	10.002	0.006	78	8241	0.5527	
87 1,3,5-Trimethylbenzene	105	10.017	10.011	0.006	92	8412	0.5512	
88 1,2,3-Trichloropropane	110	10.033	10.036	-0.003	1	314	0.5233	
89 trans-1,4-Dichloro-2-butene	53	10.050	10.053	-0.003	4	450	0	
90 4-Chlorotoluene	91	10.135	10.129	0.006	81	7240	0.5405	
91 tert-Butylbenzene	119	10.278	10.272	0.006	94	6585	0.5087	
92 1,2,4-Trimethylbenzene	105	10.328	10.331	-0.003	54	8463	0.5417	
93 sec-Butylbenzene	105	10.421	10.424	-0.003	53	11239	0.5364	
94 4-Isopropyltoluene	119	10.539	10.533	0.006	81	8433	0.5233	
95 1,3-Dichlorobenzene	146	10.632	10.626	0.006	93	4056	0.5397	
* 96 1,4-Dichlorobenzene-d4	115	10.691	10.693	-0.002	89	58099	20.0	
97 1,4-Dichlorobenzene	146	10.708	10.702	0.006	1	4253	0.5377	
98 n-Butylbenzene	91	10.927	10.921	0.006	97	8619	0.4745	
99 1,2-Dichlorobenzene	146	11.112	11.106	0.006	85	3540	0.5100	
100 1,2-Dibromo-3-Chloropropane	157	11.997	11.983	0.014	25	157	0.4049	
101 1,3,5-Trichlorobenzene	180	12.022	12.025	-0.003	92	2565	0	
102 Hexachlorobutadiene	225	12.865	12.859	0.006	72	1228	0.4549	
103 1,2,4-Trichlorobenzene	180	12.924	12.918	0.006	78	1933	0.4538	
104 Naphthalene	128	13.463	13.457	0.006	100	3093	0.4773	
105 1,2,3-Trichlorobenzene	180	13.792	13.786	0.006	80	1518	0.4721	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Oct-2010 08:41:12 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49628.D

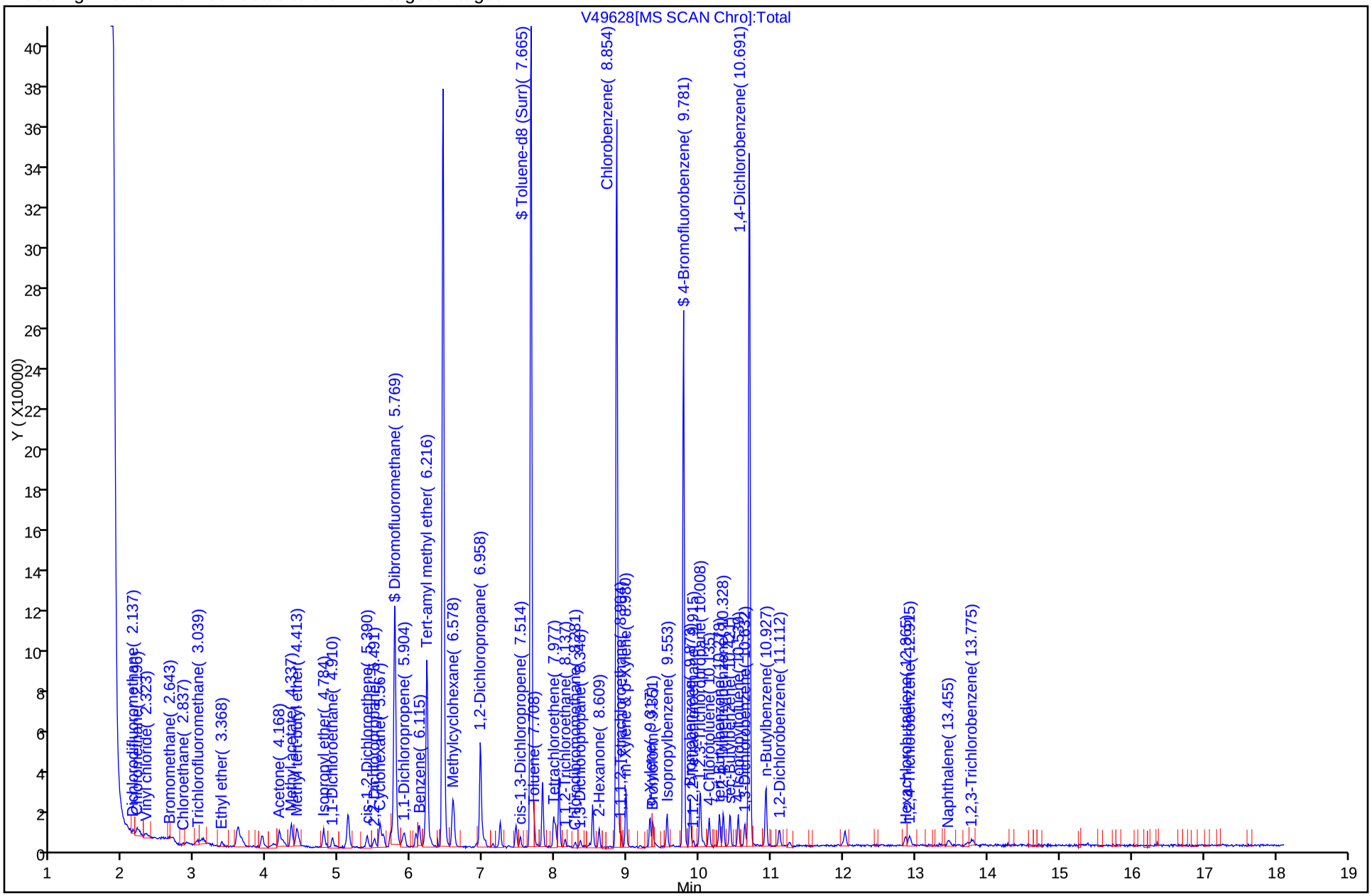
Injection Date: 19-Oct-2010 15:51:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 64639 Lims Sample ID: 5

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



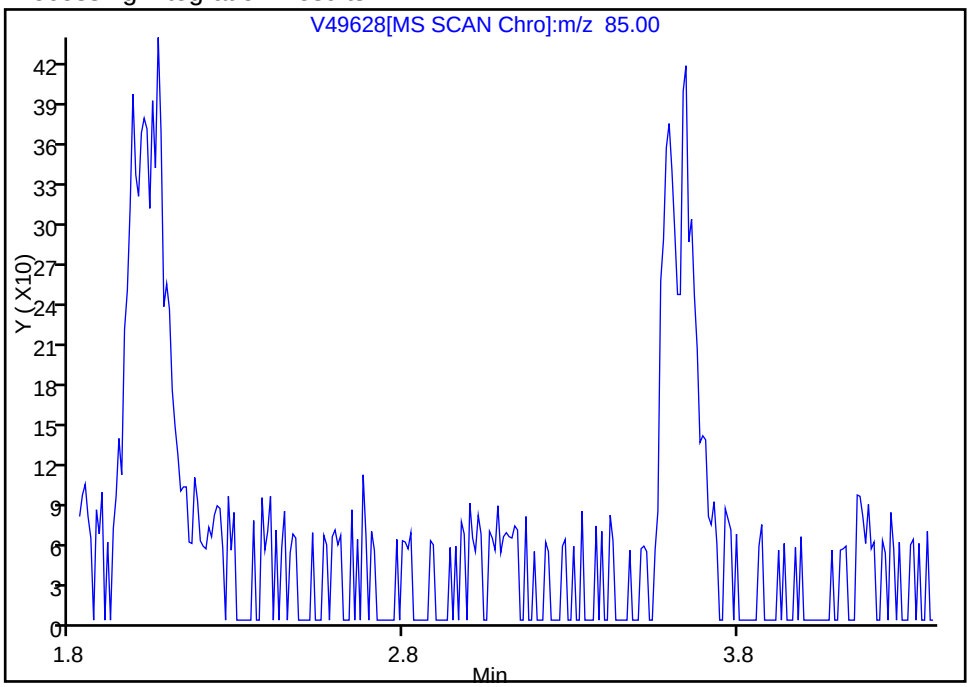
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49628.D
Injection Date: 19-Oct-2010 15:51:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 64639 Lims Sample ID: 5
Operator ID: CR

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.99

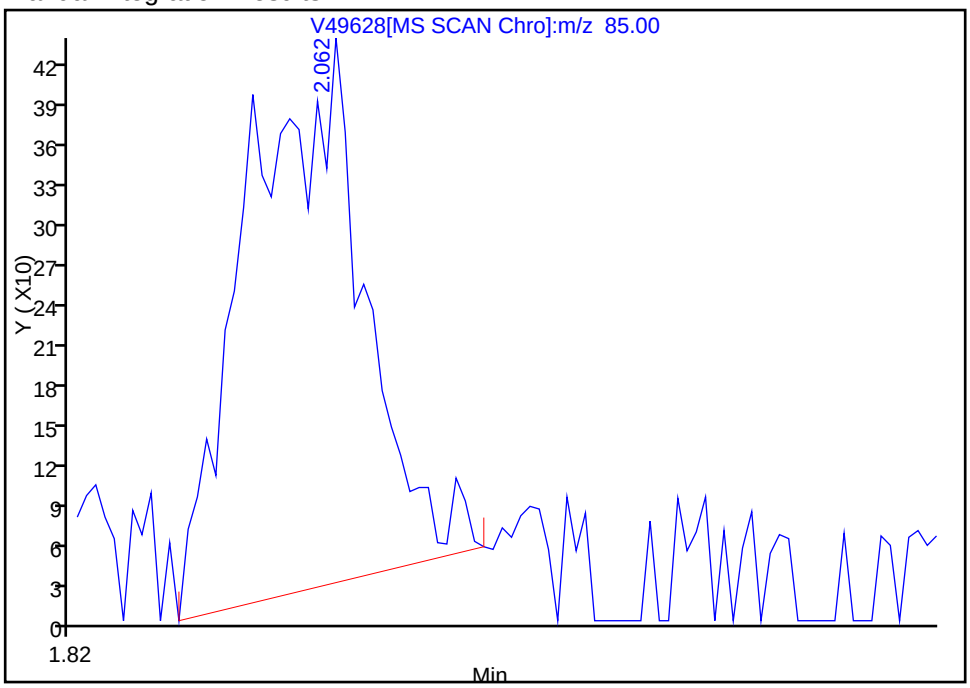
Processing Integration Results

Not Detected
Expected RT: 1.99



Manual Integration Results

RT: 2.06
Response: 3068
Amount: 0.483444



Reviewer: rouleauc, 20-Oct-2010 10:45:35
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49629.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	19-Oct-2010 16:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD1		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	64639	Lims Sample ID:	6
Sublist:	chrom-WES1SOIL*sub14		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m		
Last Update:	21-Oct-2010 08:40:52	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	20-Oct-2010 15:53:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.005	1.988	0.017	71	6436	1.07	
2 Chloromethane	50	2.199	2.199	0.0	88	7923	0.9133	
3 Vinyl chloride	62	2.317	2.317	0.0	80	5932	0.9189	
4 Bromomethane	94	2.721	2.722	-0.001	59	3314	0.9006	
5 Chloroethane	64	2.873	2.882	-0.009	86	3693	1.01	
6 Trichlorofluoromethane	101	3.033	3.033	0.0	83	5911	0.9362	
7 Dichlorofluoromethane	67	3.092	3.101	-0.009	0	8241	0	
8 Ethyl ether	59	3.370	3.370	0.0	81	2849	0.9561	
9 1,1-Dichloroethene	96	3.581	3.581	0.0	98	4178	0.9427	
11 Ethanol	45	3.665	3.581	0.084	1	1431	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.581	3.589	-0.008	61	3493	0	
10 Carbon disulfide	76	3.606	3.606	0.0	66	14710	0.8926	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.648	3.648	0.0	52	2442	0.8857	
14 Acrolein	56	3.926	3.927	-0.001	83	15996	0	
15 Isopropyl alcohol	45	4.078	4.078	0.0	80	8104	0	
16 Methylene Chloride	84	4.171	4.171	0.0	97	6373	1.33	
17 Acetone	43	4.213	4.213	0.0	95	8924	15.0	
18 trans-1,2-Dichloroethene	61	4.331	4.323	0.008	63	7208	0.9188	
19 Methyl acetate	43	4.339	4.339	0.0	81	16862	9.75	
20 Hexane	57	4.407	4.407	0.0	71	8968	0	
21 Methyl tert-butyl ether	73	4.432	4.432	0.0	60	8823	1.02	
22 2-Methyl-2-propanol	59	4.525	4.516	0.009	21	2423	0	
23 Isopropyl ether	45	4.786	4.778	0.008	98	17051	0.9381	
24 1,1-Dichloroethane	63	4.904	4.904	0.0	62	8651	0.9244	
25 Acrylonitrile	53	4.955	4.955	0.0	83	1362	0	
26 Tert-butyl ethyl ether	59	5.115	5.106	0.009	45	13067	0.9747	
27 Vinyl acetate	43	5.123	5.123	0.0	78	36269	0	
28 cis-1,2-Dichloroethene	61	5.384	5.384	0.0	41	6867	0.9463	
29 2,2-Dichloropropane	77	5.485	5.486	-0.001	91	6043	1.02	
31 Chlorobromomethane	130	5.561	5.561	0.0	35	1942	0.8920	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.570	5.570	0.0	77	9169	0.9161	
32 Chloroform	83	5.612	5.612	0.0	66	8571	0.9478	
34 Ethyl acetate	43	5.713	5.705	0.008	96	17522	0	
36 sec-Butyl Alcohol	45	5.730	5.730	0.0	75	9876	0	
33 Carbon tetrachloride	117	5.747	5.747	0.0	1	4900	0.9228	
35 Tetrahydrofuran	42	5.755	5.755	0.0	1	7341	12.1	
$ 37 Dibromofluoromethane	113	5.772	5.772	0.0	47	71274	19.6	
38 1,1,1-Trichloroethane	97	5.806	5.806	0.0	61	6225	0.9604	
39 2-Butanone (MEK)	43	5.873	5.873	0.0	84	9351	10.1	
40 1,1-Dichloropropene	75	5.907	5.898	0.009	93	5700	0.8838	
41 n-Heptane	43	6.067	6.059	0.008	85	5688	0	
42 Benzene	78	6.109	6.109	0.0	97	16968	0.9389	
43 Tert-amyl methyl ether	73	6.185	6.185	0.0	83	9080	0.9143	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.219	6.219	0.0	0	13887	20.0	
45 1,2-Dichloroethane	62	6.269	6.269	0.0	37	3541	0.9306	
* 46 Fluorobenzene	96	6.438	6.438	0.0	83	296694	20.0	
48 Isopropyl acetate	43	6.446	6.438	0.008	1	37797	0	
47 2,4,4-Trimethyl-1-pentene	55	6.463	6.463	0.0	1	4374	1.05	
50 Trichloroethene	95	6.573	6.573	0.0	42	4505	0.99	
49 Methylcyclohexane	83	6.573	6.573	0.0	92	8043	0.9666	
51 2,4,4-Trimethyl-2-pentene	112	6.589	6.589	0.0	95	2205	0.8636	
52 Dibromomethane	93	6.901	6.910	-0.009	80	1465	0.9029	
53 1,2-Dichloropropane	63	6.985	6.985	0.0	92	3873	1.00	
54 Dichlorobromomethane	83	7.028	7.028	0.0	87	4266	0.9068	
55 Methyl methacrylate	69	7.129	7.129	0.0	88	1293	0	
56 1,4-Dioxane	88		7.179					UA
57 n-Propyl acetate	43	7.230	7.230	0.0	99	21338	0	
58 2-Chloroethyl vinyl ether	63	7.449	7.449	0.0	72	8285	0	
59 cis-1,3-Dichloropropene	75	7.516	7.508	0.008	77	4685	0.8800	
$ 60 Toluene-d8 (Surr)	98	7.660	7.660	0.0	49	246686	18.8	
61 Toluene	92	7.702	7.702	0.0	99	8932	0.9093	
63 4-Methyl-2-pentanone (MIBK)	43	7.971	7.971	0.0	85	16948	9.40	
62 Tetrachloroethene	164	7.997	7.997	0.0	83	2570	0.9526	
64 trans-1,3-Dichloropropene	75	8.005	8.005	0.0	71	3268	0.8876	
65 Isobutyl acetate	43	8.047	8.047	0.0	89	52089	0	
66 1,1,2-Trichloroethane	83	8.131	8.132	-0.001	49	1818	1.00	
67 Chlorodibromomethane	129	8.275	8.275	0.0	58	2224	0.8870	
68 1,3-Dichloropropane	76	8.342	8.351	-0.009	92	3525	0.9368	
69 Ethylene Dibromide	107	8.469	8.469	0.0	73	1869	0.99	
70 n-Butyl acetate	43	8.519	8.519	0.0	99	26738	0	
71 2-Hexanone	43	8.603	8.603	0.0	96	10054	9.51	
* 72 Chlorobenzene-d5	117	8.848	8.848	0.0	76	179829	20.0	
73 Chlorobenzene	112	8.865	8.865	0.0	1	8733	0.9814	
74 Ethylbenzene	91	8.873	8.873	0.0	62	17334	0.9769	
75 1,1,1,2-Tetrachloroethane	131	8.907	8.907	0.0	55	3173	0.9190	
76 m-Xylene & p-Xylene	91	8.983	8.983	0.0	86	26658	1.97	
77 o-Xylene	91	9.311	9.311	0.0	98	14486	0.9570	
78 Styrene	104	9.353	9.353	0.0	53	10234	0.9685	
79 Bromoform	173	9.387	9.387	0.0	57	1160	0.8708	
80 Isopropylbenzene	105	9.547	9.547	0.0	97	17743	0.9513	
$ 82 4-Bromofluorobenzene	95	9.775	9.775	0.0	72	93759	20.5	
$ 81 BFB	95	9.775	9.780	-0.005	72	93759	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.867	9.867	0.0	65	22242	1.01	
83 Bromobenzene	77	9.867	9.867	0.0	19	7636	1.05	
85 1,1,2,2-Tetrachloroethane	83	9.918	9.910	0.008	31	2724	1.01	
86 2-Chlorotoluene	91	10.002	10.002	0.0	60	14877	1.01	
87 1,3,5-Trimethylbenzene	105	10.011	10.011	0.0	93	15149	1.01	
88 1,2,3-Trichloropropane	110	10.036	10.036	0.0	19	686	1.16	
89 trans-1,4-Dichloro-2-butene	53	10.053	10.053	0.0	11	874	0	
90 4-Chlorotoluene	91	10.137	10.129	0.008	82	12823	0.9721	
91 tert-Butylbenzene	119	10.280	10.272	0.008	82	12121	0.9508	
92 1,2,4-Trimethylbenzene	105	10.331	10.331	0.0	37	15148	0.9846	
93 sec-Butylbenzene	105	10.424	10.424	0.0	36	20214	0.9797	
94 4-Isopropyltoluene	119	10.542	10.533	0.009	81	15756	0.99	
95 1,3-Dichlorobenzene	146	10.634	10.626	0.008	97	7588	1.03	
* 96 1,4-Dichlorobenzene-d4	115	10.693	10.693	0.0	88	56996	20.0	
97 1,4-Dichlorobenzene	146	10.710	10.702	0.008	1	7475	0.9633	
98 n-Butylbenzene	91	10.921	10.921	0.0	98	16321	0.9158	
99 1,2-Dichlorobenzene	146	11.115	11.106	0.009	84	6368	0.9352	
100 1,2-Dibromo-3-Chloropropane	157	11.991	11.983	0.008	54	400	1.05	
101 1,3,5-Trichlorobenzene	180	12.025	12.025	0.0	93	5005	0	
102 Hexachlorobutadiene	225	12.867	12.859	0.008	71	2087	0.7880	
103 1,2,4-Trichlorobenzene	180	12.918	12.918	0.0	77	3543	0.8478	
104 Naphthalene	128	13.457	13.457	0.0	61	5401	0.8495	
105 1,2,3-Trichlorobenzene	180	13.794	13.786	0.008	92	2706	0.8579	

QC Flag Legend

Review Flags
U - Marked Undetected
A - User Assigned ID

Report Date: 21-Oct-2010 08:41:10 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49629.D

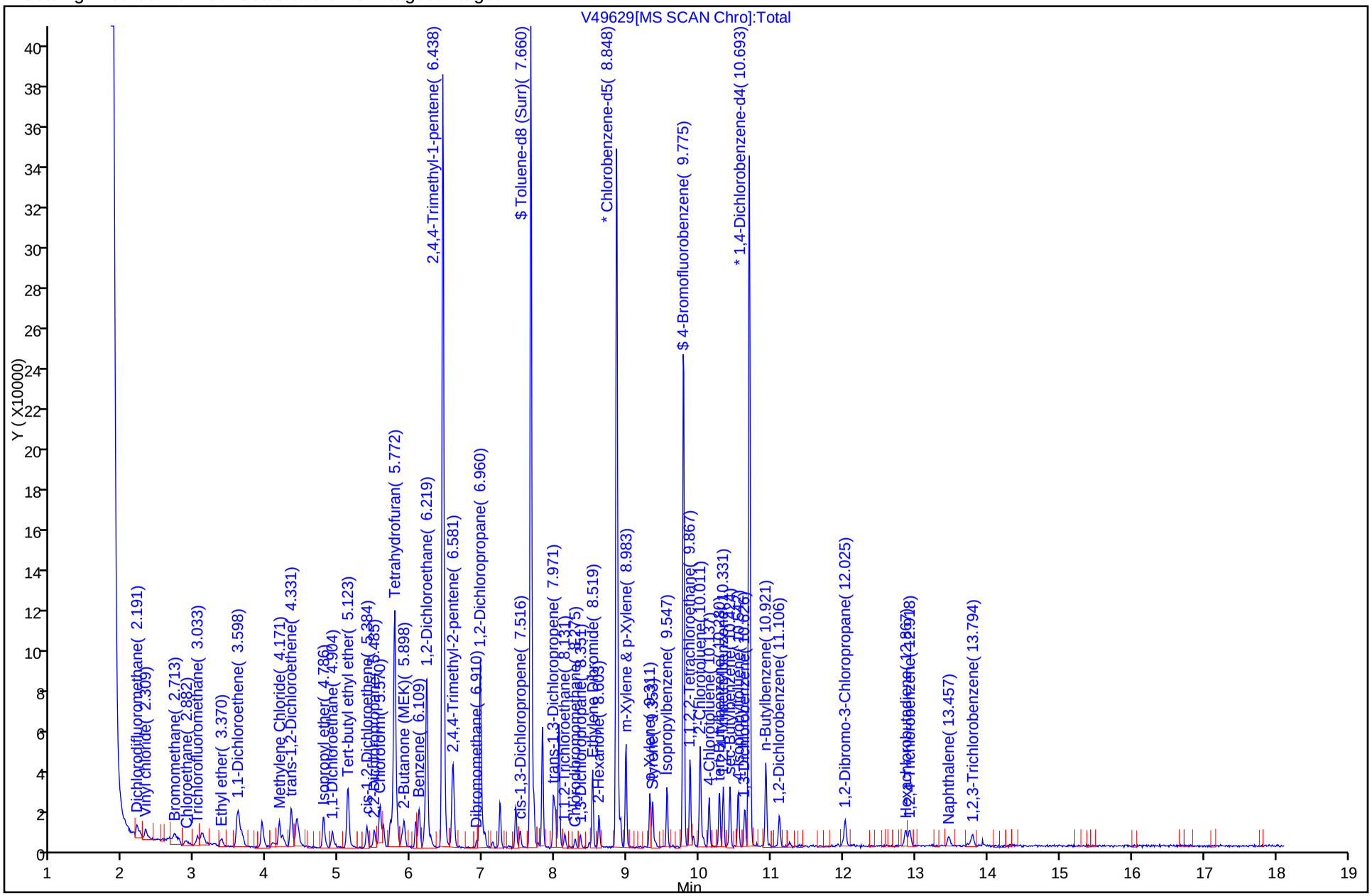
Injection Date: 19-Oct-2010 16:15:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 64639 Lims Sample ID: 6

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49630.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	19-Oct-2010 16:57:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD5		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	64639	Lims Sample ID:	7
Sublist:	chrom-WES1SOIL*sub14		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m		
Last Update:	21-Oct-2010 08:40:52	Calib Date:	19-Oct-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D		
Limit Group:	VMS - 8260C VOA Calibration MCP		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	20-Oct-2010 15:52:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.010	1.988	0.022	87	30155	5.08	
2 Chloromethane	50	2.196	2.199	-0.003	87	43790	5.13	
3 Vinyl chloride	62	2.314	2.317	-0.003	81	34404	5.42	
4 Bromomethane	94	2.718	2.722	-0.004	91	19425	5.37	
5 Chloroethane	64	2.870	2.882	-0.012	90	19437	5.39	
6 Trichlorofluoromethane	101	3.030	3.033	-0.003	85	32534	5.24	
7 Dichlorofluoromethane	67	3.106	3.101	0.005	0	45406	0	
8 Ethyl ether	59	3.376	3.370	0.006	93	15715	5.36	
9 1,1-Dichloroethene	96	3.586	3.581	0.005	88	23741	5.44	
11 Ethanol	45	3.561	3.581	-0.020	1	5218	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.595	3.589	0.006	98	21341	0	
10 Carbon disulfide	76	3.612	3.606	0.006	66	91495	5.64	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.654	3.648	0.006	51	15243	5.62	
14 Acrolein	56	3.932	3.927	0.005	84	99346	0	
15 Isopropyl alcohol	45	4.083	4.078	0.005	90	35694	0	
16 Methylene Chloride	84	4.176	4.171	0.005	96	27897	5.90	
17 Acetone	43	4.227	4.213	0.014	100	38564	66.0	
18 trans-1,2-Dichloroethene	61	4.336	4.323	0.013	65	42589	5.52	
19 Methyl acetate	43	4.345	4.339	0.006	60	92496	54.4	
20 Hexane	57	4.412	4.407	0.005	70	54718	0	
21 Methyl tert-butyl ether	73	4.437	4.432	0.005	60	46993	5.52	
22 2-Methyl-2-propanol	59	4.513	4.516	-0.003	21	11963	0	
23 Isopropyl ether	45	4.791	4.778	0.013	98	97480	5.45	
24 1,1-Dichloroethane	63	4.909	4.904	0.005	63	49039	5.33	
25 Acrylonitrile	53	4.951	4.955	-0.004	89	4960	0	
26 Tert-butyl ethyl ether	59	5.120	5.106	0.014	51	74137	5.62	
27 Vinyl acetate	43	5.128	5.123	0.005	50	211546	0	
28 cis-1,2-Dichloroethene	61	5.390	5.384	0.006	40	37754	5.29	
29 2,2-Dichloropropane	77	5.499	5.486	0.013	75	33100	5.71	
31 Chlorobromomethane	130	5.567	5.561	0.006	36	11762	5.49	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.575	5.570	0.005	84	57198	5.81	
32 Chloroform	83	5.626	5.612	0.014	83	45694	5.47	
34 Ethyl acetate	43	5.718	5.705	0.013	98	99560	0	
36 sec-Butyl Alcohol	45	5.743	5.730	0.013	85	52889	0	
33 Carbon tetrachloride	117	5.752	5.747	0.005	87	27274	5.22	
35 Tetrahydrofuran	42	5.760	5.755	0.005	65	34297	57.5	
$ 37 Dibromofluoromethane	113	5.777	5.772	0.005	60	71937	20.1	
38 1,1,1-Trichloroethane	97	5.811	5.806	0.005	68	34239	5.37	
39 2-Butanone (MEK)	43	5.878	5.873	0.005	92	47610	52.1	
40 1,1-Dichloropropene	75	5.912	5.898	0.014	95	33319	5.25	
41 n-Heptane	43	6.072	6.059	0.013	96	41567	0	
42 Benzene	78	6.114	6.109	0.005	97	93029	5.23	
43 Tert-amyl methyl ether	73	6.199	6.185	0.014	98	54186	5.55	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.224	6.219	0.005	0	14649	20.0	
45 1,2-Dichloroethane	62	6.274	6.269	0.005	78	19562	5.23	
* 46 Fluorobenzene	96	6.451	6.438	0.013	71	291884	20.0	
48 Isopropyl acetate	43	6.451	6.438	0.013	46	215631	0	
47 2,4,4-Trimethyl-1-pentene	55	6.468	6.463	0.005	80	21662	5.31	
50 Trichloroethene	95	6.578	6.573	0.005	43	22422	5.02	
49 Methylcyclohexane	83	6.586	6.573	0.013	85	46524	5.68	
51 2,4,4-Trimethyl-2-pentene	112	6.603	6.589	0.014	92	14513	5.78	
52 Dibromomethane	93	6.915	6.910	0.005	90	8121	5.09	
53 1,2-Dichloropropane	63	6.999	6.985	0.014	53	19407	5.09	
54 Dichlorobromomethane	83	7.033	7.028	0.005	85	23407	5.06	
55 Methyl methacrylate	69	7.142	7.129	0.013	82	5636	0	
56 1,4-Dioxane	88	7.193	7.179	0.014	39	829	55.8	
57 n-Propyl acetate	43	7.243	7.230	0.013	99	116436	0	
58 2-Chloroethyl vinyl ether	63	7.463	7.449	0.014	64	44481	0	
59 cis-1,3-Dichloropropene	75	7.522	7.508	0.014	93	24783	4.73	
$ 60 Toluene-d8 (Surr)	98	7.673	7.660	0.013	48	243615	18.8	
61 Toluene	92	7.707	7.702	0.005	98	47845	4.95	
63 4-Methyl-2-pentanone (MIBK)	43	7.985	7.971	0.014	85	99657	56.2	
62 Tetrachloroethene	164	8.010	7.997	0.013	97	13908	5.24	
64 trans-1,3-Dichloropropene	75	8.019	8.005	0.014	73	17369	4.80	
65 Isobutyl acetate	43	8.061	8.047	0.014	89	291887	0	
66 1,1,2-Trichloroethane	83	8.145	8.132	0.013	59	8543	4.79	
67 Chlorodibromomethane	129	8.288	8.275	0.013	70	12134	4.92	
68 1,3-Dichloropropane	76	8.356	8.351	0.005	80	17669	4.77	
69 Ethylene Dibromide	107	8.482	8.469	0.013	90	8607	4.64	
70 n-Butyl acetate	43	8.524	8.519	0.005	99	138826	0	
71 2-Hexanone	43	8.617	8.603	0.014	97	52501	50.5	
* 72 Chlorobenzene-d5	117	8.861	8.848	0.013	75	173118	20.0	
73 Chlorobenzene	112	8.870	8.865	0.005	57	45006	5.25	
74 Ethylbenzene	91	8.878	8.873	0.005	76	92804	5.43	
75 1,1,1,2-Tetrachloroethane	131	8.912	8.907	0.005	58	18680	5.62	
76 m-Xylene & p-Xylene	91	8.988	8.983	0.005	100	141966	10.9	
77 o-Xylene	91	9.325	9.311	0.014	82	80213	5.50	
78 Styrene	104	9.359	9.353	0.006	55	53692	5.28	
79 Bromoform	173	9.392	9.387	0.005	50	6436	5.14	
80 Isopropylbenzene	105	9.561	9.547	0.014	79	101203	5.64	
$ 82 4-Bromofluorobenzene	95	9.788	9.775	0.013	78	86537	19.7	
$ 81 BFB	95	9.788	9.780	0.008	0	86649	0	M

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 N-Propylbenzene	91	9.881	9.867	0.014	84	117805	5.54	
	83 Bromobenzene	77	9.881	9.867	0.014	18	37240	5.34	
	85 1,1,2,2-Tetrachloroethane	83	9.923	9.910	0.013	23	13974	5.54	
	86 2-Chlorotoluene	91	10.016	10.002	0.014	61	78986	5.59	
	87 1,3,5-Trimethylbenzene	105	10.024	10.011	0.013	94	81855	5.66	
	88 1,2,3-Trichloropropane	110	10.050	10.036	0.014	20	3040	5.34	
	89 trans-1,4-Dichloro-2-butene	53	10.066	10.053	0.013	1	3410	0	
	90 4-Chlorotoluene	91	10.142	10.129	0.013	80	67369	5.31	
	91 tert-Butylbenzene	119	10.286	10.272	0.014	93	67908	5.53	
	92 1,2,4-Trimethylbenzene	105	10.336	10.331	0.005	21	82111	5.54	
	93 sec-Butylbenzene	105	10.437	10.424	0.013	52	111363	5.61	
	94 4-Isopropyltoluene	119	10.547	10.533	0.014	81	85797	5.62	
	95 1,3-Dichlorobenzene	146	10.639	10.626	0.013	96	39264	5.51	
*	96 1,4-Dichlorobenzene-d4	115	10.698	10.693	0.005	89	53555	20.0	
	97 1,4-Dichlorobenzene	146	10.715	10.702	0.013	66	37769	5.18	
	98 n-Butylbenzene	91	10.934	10.921	0.013	85	91286	5.45	
	99 1,2-Dichlorobenzene	146	11.120	11.106	0.014	94	34307	5.36	
	100 1,2-Dibromo-3-Chloropropane	157	11.996	11.983	0.013	68	2011	5.63	
	101 1,3,5-Trichlorobenzene	180	12.038	12.025	0.013	96	29243	0	
	102 Hexachlorobutadiene	225	12.873	12.859	0.014	83	14189	5.70	
	103 1,2,4-Trichlorobenzene	180	12.932	12.918	0.014	84	21980	5.60	
	104 Naphthalene	128	13.479	13.457	0.022	81	33183	5.55	
	105 1,2,3-Trichlorobenzene	180	13.800	13.786	0.014	95	16478	5.56	

QC Flag Legend

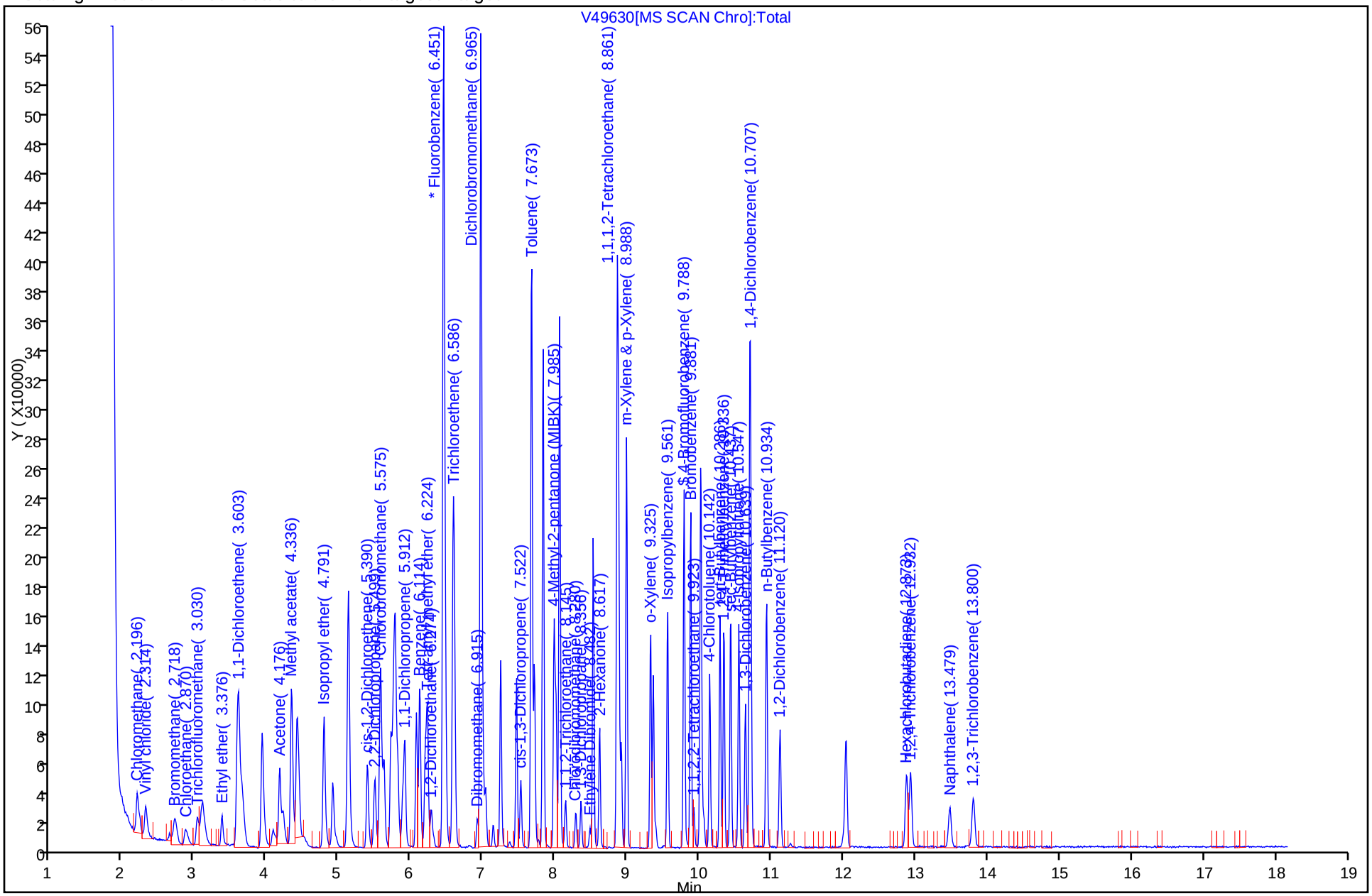
Review Flags
M - Manually Integrated

Report Date: 21-Oct-2010 08:41:07 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49630.D

Injection Date:	19-Oct-2010 16:57:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	64639	Lims Sample ID:	7
Operator ID:	CR		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49631.D
Lims ID: STD10 Client ID:
Inject. Date: 19-Oct-2010 17:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD10
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 64639 Lims Sample ID: 8
Sublist: chrom-WES1SOIL*sub14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m
Last Update: 21-Oct-2010 08:40:52 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 20-Oct-2010 15:52:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.995	1.988	0.006	100	60990	10.2	
2 Chloromethane	50	2.188	2.199	-0.011	100	88563	10.4	
3 Vinyl chloride	62	2.315	2.317	-0.002	99	68911	10.8	
4 Bromomethane	94	2.711	2.722	-0.011	91	39614	10.9	
5 Chloroethane	64	2.871	2.882	-0.011	99	38605	10.7	
6 Trichlorofluoromethane	101	3.031	3.033	-0.002	85	67942	10.9	
7 Dichlorofluoromethane	67	3.098	3.101	-0.003	0	87479	0	
8 Ethyl ether	59	3.368	3.370	-0.002	95	28253	9.62	
9 1,1-Dichloroethene	96	3.579	3.581	-0.002	86	44002	10.1	
11 Ethanol	45	3.587	3.581	0.006	1	6380	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.587	3.589	-0.002	84	40628	0	
10 Carbon disulfide	76	3.604	3.606	-0.002	66	172429	10.6	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.646	3.648	-0.002	77	28377	10.4	
14 Acrolein	56	3.924	3.927	-0.003	83	182382	0	
15 Isopropyl alcohol	45	4.068	4.078	-0.010	100	57818	0	
16 Methylene Chloride	84	4.169	4.171	-0.002	98	49306	10.4	
17 Acetone	43	4.219	4.213	0.006	95	57670	98.4	
18 trans-1,2-Dichloroethene	61	4.329	4.323	0.006	70	80093	10.4	
19 Methyl acetate	43	4.337	4.339	-0.002	80	163887	96.2	
20 Hexane	57	4.413	4.407	0.006	71	100412	0	
21 Methyl tert-butyl ether	73	4.430	4.432	-0.002	59	85424	10.0	
22 2-Methyl-2-propanol	59	4.506	4.516	-0.010	21	20390	0	
23 Isopropyl ether	45	4.784	4.778	0.006	98	181209	10.1	
24 1,1-Dichloroethane	63	4.902	4.904	-0.002	63	93255	10.1	
25 Acrylonitrile	53	4.952	4.955	-0.003	81	7090	0	
26 Tert-butyl ethyl ether	59	5.112	5.106	0.006	30	133227	10.1	
27 Vinyl acetate	43	5.121	5.123	-0.002	78	393789	0	
28 cis-1,2-Dichloroethene	61	5.382	5.384	-0.002	41	71771	10.0	
29 2,2-Dichloropropane	77	5.492	5.486	0.006	75	62820	10.8	
31 Chlorobromomethane	130	5.559	5.561	-0.002	36	21728	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.567	5.570	-0.003	84	103028	10.4	
32 Chloroform	83	5.618	5.612	0.006	68	83781	10.1	
34 Ethyl acetate	43	5.711	5.705	0.006	98	189578	0	
36 sec-Butyl Alcohol	45	5.736	5.730	0.006	84	100599	0	
33 Carbon tetrachloride	117	5.744	5.747	-0.003	97	53765	10.3	
35 Tetrahydrofuran	42	5.753	5.755	-0.002	67	60254	100.8	
$ 37 Dibromofluoromethane	113	5.770	5.772	-0.002	59	70597	19.7	
38 1,1,1-Trichloroethane	97	5.803	5.806	-0.003	69	66039	10.3	
39 2-Butanone (MEK)	43	5.871	5.873	-0.002	93	87663	95.7	
40 1,1-Dichloropropene	75	5.905	5.898	0.007	95	63449	9.98	
41 n-Heptane	43	6.065	6.059	0.006	96	82141	0	
42 Benzene	78	6.107	6.109	-0.002	83	179188	10.1	
43 Tert-amyl methyl ether	73	6.191	6.185	0.006	98	98303	10.0	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.216	6.219	-0.003	0	14232	20.0	
45 1,2-Dichloroethane	62	6.275	6.269	0.006	96	35763	9.53	
* 46 Fluorobenzene	96	6.444	6.438	0.006	36	292546	20.0	
48 Isopropyl acetate	43	6.444	6.438	0.006	79	401092	0	
47 2,4,4-Trimethyl-1-pentene	55	6.461	6.463	-0.002	95	40047	9.79	
50 Trichloroethene	95	6.570	6.573	-0.003	44	42554	9.50	
49 Methylcyclohexane	83	6.579	6.573	0.006	85	86571	10.6	
51 2,4,4-Trimethyl-2-pentene	112	6.596	6.589	0.007	93	26260	10.4	
52 Dibromomethane	93	6.907	6.910	-0.003	91	15559	9.73	
53 1,2-Dichloropropane	63	6.992	6.985	0.007	88	37758	9.89	
54 Dichlorobromomethane	83	7.025	7.028	-0.003	85	43702	9.42	
55 Methyl methacrylate	69	7.126	7.129	-0.003	95	11469	0	
56 1,4-Dioxane	88	7.194	7.179	0.015	76	1433	99.3	
57 n-Propyl acetate	43	7.236	7.230	0.006	99	230140	0	
58 2-Chloroethyl vinyl ether	63	7.455	7.449	0.006	70	95261	0	
59 cis-1,3-Dichloropropene	75	7.514	7.508	0.006	93	50413	9.60	
$ 60 Toluene-d8 (Surr)	98	7.666	7.660	0.006	48	252979	19.5	
61 Toluene	92	7.699	7.702	-0.003	98	96543	9.97	
63 4-Methyl-2-pentanone (MIBK)	43	7.978	7.971	0.007	85	182475	102.7	
62 Tetrachloroethene	164	8.003	7.997	0.006	85	27420	10.3	
64 trans-1,3-Dichloropropene	75	8.003	8.005	-0.002	94	35911	9.89	
65 Isobutyl acetate	43	8.053	8.047	0.006	89	548340	0	
66 1,1,2-Trichloroethane	83	8.129	8.132	-0.003	49	16721	9.35	
67 Chlorodibromomethane	129	8.272	8.275	-0.003	71	24027	9.72	
68 1,3-Dichloropropane	76	8.348	8.351	-0.003	83	34899	9.41	
69 Ethylene Dibromide	107	8.475	8.469	0.006	98	17546	9.43	
70 n-Butyl acetate	43	8.517	8.519	-0.002	98	280017	0	
71 2-Hexanone	43	8.610	8.603	0.007	97	103789	99.6	
* 72 Chlorobenzene-d5	117	8.854	8.848	0.006	75	179328	20.0	
73 Chlorobenzene	112	8.862	8.865	-0.003	76	92658	10.4	
74 Ethylbenzene	91	8.871	8.873	-0.002	76	185346	10.5	
75 1,1,1,2-Tetrachloroethane	131	8.905	8.907	-0.003	58	35595	10.3	
76 m-Xylene & p-Xylene	91	8.980	8.983	-0.003	100	286341	21.2	
77 o-Xylene	91	9.317	9.311	0.006	82	155968	10.3	
78 Styrene	104	9.351	9.353	-0.002	55	109343	10.4	
79 Bromoform	173	9.385	9.387	-0.002	51	12617	9.86	
80 Isopropylbenzene	105	9.553	9.547	0.006	80	198773	10.7	
$ 82 4-Bromofluorobenzene	95	9.781	9.775	0.006	79	91455	20.1	
$ 81 BFB	95	9.781	9.780	0.001	0	91204	0	8M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.874	9.867	0.007	84	235179	10.7	
83 Bromobenzene	77	9.874	9.867	0.007	18	74771	10.4	
85 1,1,2,2-Tetrachloroethane	83	9.916	9.910	0.006	34	24791	9.61	
86 2-Chlorotoluene	91	10.008	10.002	0.006	61	155892	10.6	
87 1,3,5-Trimethylbenzene	105	10.017	10.011	0.006	93	160236	10.7	
88 1,2,3-Trichloropropane	110	10.042	10.036	0.006	31	5969	10.1	
89 trans-1,4-Dichloro-2-butene	53	10.059	10.053	0.006	1	6679	0	
90 4-Chlorotoluene	91	10.135	10.129	0.006	80	136765	10.4	
91 tert-Butylbenzene	119	10.278	10.272	0.006	92	136433	10.7	
92 1,2,4-Trimethylbenzene	105	10.329	10.331	-0.002	56	162313	10.6	
93 sec-Butylbenzene	105	10.421	10.424	-0.003	53	218280	10.6	
94 4-Isopropyltoluene	119	10.539	10.533	0.006	81	169897	10.7	
95 1,3-Dichlorobenzene	146	10.632	10.626	0.006	96	77584	10.5	
* 96 1,4-Dichlorobenzene-d4	115	10.691	10.693	-0.002	89	54741	20.0	
97 1,4-Dichlorobenzene	146	10.708	10.702	0.006	90	73892	9.91	
98 n-Butylbenzene	91	10.927	10.921	0.006	85	179045	10.5	
99 1,2-Dichlorobenzene	146	11.112	11.106	0.006	95	65528	10.0	
100 1,2-Dibromo-3-Chloropropane	157	11.989	11.983	0.006	69	3600	9.85	
101 1,3,5-Trichlorobenzene	180	12.022	12.025	-0.003	96	54710	0	
102 Hexachlorobutadiene	225	12.865	12.859	0.006	85	26109	10.3	
103 1,2,4-Trichlorobenzene	180	12.924	12.918	0.006	86	41750	10.4	
104 Naphthalene	128	13.463	13.457	0.006	81	61013	10.0	
105 1,2,3-Trichlorobenzene	180	13.792	13.786	0.006	95	30812	10.2	

QC Flag Legend

Processing Flags
8 - Failed MS Tune Ratio Test

Review Flags
M - Manually Integrated

Report Date: 21-Oct-2010 08:41:05 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49631.D

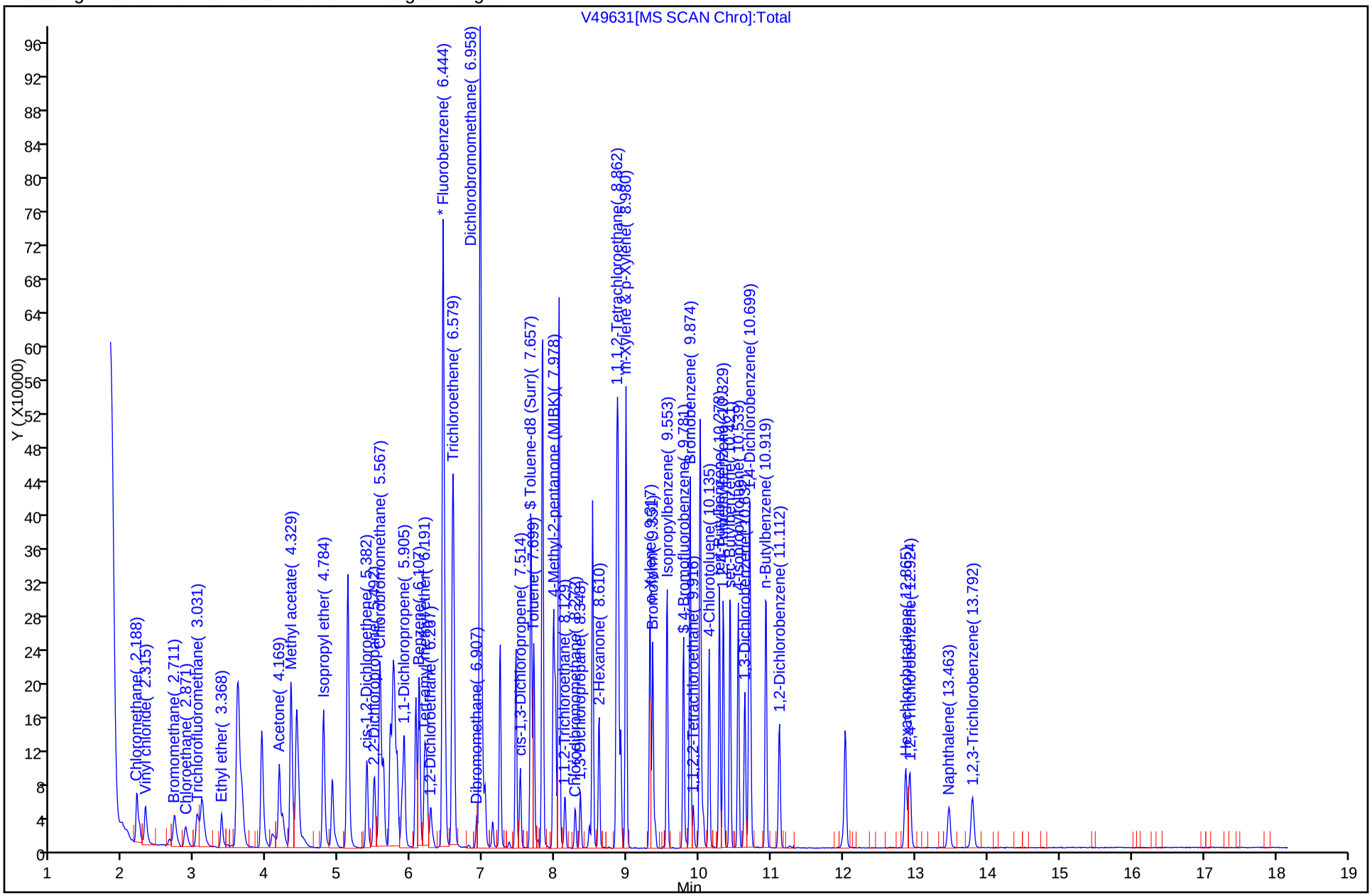
Injection Date: 19-Oct-2010 17:20:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 64639 Lims Sample ID: 8

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49632.D
Lims ID: STD20 Client ID:
Inject. Date: 19-Oct-2010 17:44:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD20
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 64639 Lims Sample ID: 9
Sublist: chrom-WES1SOIL*sub14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m
Last Update: 21-Oct-2010 08:40:52 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 20-Oct-2010 15:52:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.997	1.988	0.009	87	120279	20.2	
2 Chloromethane	50	2.191	2.199	-0.008	99	175549	20.5	
3 Vinyl chloride	62	2.317	2.317	0.0	81	133703	21.0	
4 Bromomethane	94	2.713	2.722	-0.009	91	76584	21.1	
5 Chloroethane	64	2.873	2.882	-0.009	100	74381	20.6	
6 Trichlorofluoromethane	101	3.033	3.033	0.0	100	132469	21.3	
7 Dichlorofluoromethane	67	3.101	3.101	0.0	0	166037	0	
8 Ethyl ether	59	3.370	3.370	0.0	94	55743	19.0	
9 1,1-Dichloroethene	96	3.581	3.581	0.0	86	86924	19.9	
11 Ethanol	45	3.564	3.581	-0.017	1	13953	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.589	3.589	0.0	100	77456	0	
10 Carbon disulfide	76	3.606	3.606	0.0	66	341002	21.0	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.648	3.648	0.0	63	56832	20.9	
14 Acrolein	56	3.926	3.927	-0.001	83	339508	0	
15 Isopropyl alcohol	45	4.078	4.078	0.0	100	104263	0	
16 Methylene Chloride	84	4.171	4.171	0.0	97	96205	20.3	
17 Acetone	43	4.213	4.213	0.0	99	114174	195.0	
18 trans-1,2-Dichloroethene	61	4.323	4.323	0.0	93	159017	20.6	
19 Methyl acetate	43	4.339	4.339	0.0	59	315891	185.5	
20 Hexane	57	4.407	4.407	0.0	70	199320	0	
21 Methyl tert-butyl ether	73	4.432	4.432	0.0	61	163789	19.2	
22 2-Methyl-2-propanol	59	4.508	4.516	-0.008	0	36962	0	
23 Isopropyl ether	45	4.778	4.778	0.0	98	356778	19.9	
24 1,1-Dichloroethane	63	4.904	4.904	0.0	63	185086	20.1	
25 Acrylonitrile	53	4.955	4.955	0.0	93	14334	0	
26 Tert-butyl ethyl ether	59	5.115	5.106	0.009	27	258516	19.6	
27 Vinyl acetate	43	5.123	5.123	0.0	78	668243	0	
28 cis-1,2-Dichloroethene	61	5.384	5.384	0.0	41	142986	20.0	
29 2,2-Dichloropropane	77	5.485	5.486	-0.001	75	117038	20.2	
31 Chlorobromomethane	130	5.561	5.561	0.0	17	42013	19.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.570	5.570	0.0	78	199212	20.2	
32 Chloroform	83	5.612	5.612	0.0	83	166156	20.1	
34 Ethyl acetate	43	5.705	5.705	0.0	99	366763	0	
36 sec-Butyl Alcohol	45	5.730	5.730	0.0	78	185864	0	
33 Carbon tetrachloride	117	5.747	5.747	0.0	87	107370	20.5	
35 Tetrahydrofuran	42	5.755	5.755	0.0	65	112956	189.1	
$ 37 Dibromofluoromethane	113	5.772	5.772	0.0	59	70734	19.8	
38 1,1,1-Trichloroethane	97	5.806	5.806	0.0	69	131175	20.5	
39 2-Butanone (MEK)	43	5.873	5.873	0.0	86	167559	183.2	
40 1,1-Dichloropropene	75	5.898	5.898	0.0	93	130563	20.6	
41 n-Heptane	43	6.058	6.059	-0.001	96	164599	0	
42 Benzene	78	6.109	6.109	0.0	97	361157	20.3	
43 Tert-amyl methyl ether	73	6.185	6.185	0.0	98	189758	19.4	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.219	6.219	0.0	0	13969	20.0	
45 1,2-Dichloroethane	62	6.269	6.269	0.0	96	73243	19.5	
* 46 Fluorobenzene	96	6.438	6.438	0.0	1	292251	20.0	
48 Isopropyl acetate	43	6.438	6.438	0.0	78	752089	0	
47 2,4,4-Trimethyl-1-pentene	55	6.463	6.463	0.0	98	78771	19.3	
50 Trichloroethene	95	6.573	6.573	-0.001	43	88451	19.8	
49 Methylcyclohexane	83	6.573	6.573	-0.001	91	165158	20.1	
51 2,4,4-Trimethyl-2-pentene	112	6.589	6.589	0.0	94	52555	20.9	
52 Dibromomethane	93	6.910	6.910	0.0	95	31554	19.7	
53 1,2-Dichloropropane	63	6.985	6.985	0.0	81	75108	19.7	
54 Dichlorobromomethane	83	7.028	7.028	0.0	99	90364	19.5	
55 Methyl methacrylate	69	7.129	7.129	0.0	95	22772	0	
56 1,4-Dioxane	88	7.179	7.179	0.0	29	2785	196.6	
57 n-Propyl acetate	43	7.230	7.230	0.0	99	450708	0	
58 2-Chloroethyl vinyl ether	63	7.449	7.449	0.0	63	200225	0	
59 cis-1,3-Dichloropropene	75	7.508	7.508	0.0	76	106298	20.3	
$ 60 Toluene-d8 (Surr)	98	7.660	7.660	0.0	49	259092	20.0	
61 Toluene	92	7.702	7.702	0.0	99	198485	20.5	
63 4-Methyl-2-pentanone (MIBK)	43	7.971	7.971	0.0	85	348591	196.3	
62 Tetrachloroethene	164	7.997	7.997	0.0	86	55275	20.8	
64 trans-1,3-Dichloropropene	75	8.005	8.005	0.0	95	71269	19.7	
65 Isobutyl acetate	43	8.047	8.047	0.0	89	1009248	0	
66 1,1,2-Trichloroethane	83	8.131	8.132	-0.001	83	33308	18.6	
67 Chlorodibromomethane	129	8.275	8.275	0.0	70	48550	19.7	
68 1,3-Dichloropropane	76	8.351	8.351	0.0	81	71581	19.3	
69 Ethylene Dibromide	107	8.469	8.469	0.0	100	35454	19.1	
70 n-Butyl acetate	43	8.519	8.519	0.0	99	520975	0	
71 2-Hexanone	43	8.603	8.603	0.0	98	197828	190.0	
* 72 Chlorobenzene-d5	117	8.848	8.848	0.0	76	187054	20.0	
73 Chlorobenzene	112	8.865	8.865	0.0	73	182964	19.8	
74 Ethylbenzene	91	8.873	8.873	0.0	77	366074	19.8	
75 1,1,1,2-Tetrachloroethane	131	8.907	8.907	0.0	59	70169	19.5	
76 m-Xylene & p-Xylene	91	8.983	8.983	0.0	87	568259	40.3	
77 o-Xylene	91	9.311	9.311	0.0	99	314351	20.0	
78 Styrene	104	9.353	9.353	0.0	55	216677	19.7	
79 Bromoform	173	9.387	9.387	0.0	51	24366	19.7	
80 Isopropylbenzene	105	9.547	9.547	0.0	80	392873	20.3	
$ 82 4-Bromofluorobenzene	95	9.775	9.775	0.0	73	90896	19.1	
$ 81 BFB	95	9.775	9.780	-0.005	73	91410	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 N-Propylbenzene	91	9.867	9.867	0.0	84	465491	20.3	
	83 Bromobenzene	77	9.867	9.867	0.0	17	146430	19.4	
	85 1,1,2,2-Tetrachloroethane	83	9.910	9.910	0.0	34	46030	18.4	
	86 2-Chlorotoluene	91	10.002	10.002	0.0	61	301094	19.7	
	87 1,3,5-Trimethylbenzene	105	10.011	10.011	0.0	92	313022	20.0	
	88 1,2,3-Trichloropropane	110	10.036	10.036	0.0	30	11161	18.2	
	89 trans-1,4-Dichloro-2-butene	53	10.053	10.053	0.0	1	12430	0	
	90 4-Chlorotoluene	91	10.137	10.129	0.008	65	269985	19.7	
	91 tert-Butylbenzene	119	10.280	10.272	0.008	71	271167	20.4	
	92 1,2,4-Trimethylbenzene	105	10.331	10.331	0.0	53	318888	19.9	
	93 sec-Butylbenzene	105	10.424	10.424	0.0	52	433722	20.2	
	94 4-Isopropyltoluene	119	10.542	10.533	0.009	81	334095	20.2	
	95 1,3-Dichlorobenzene	146	10.634	10.626	0.008	97	150444	19.5	
*	96 1,4-Dichlorobenzene-d4	115	10.693	10.693	0.0	88	52948	20.0	
	97 1,4-Dichlorobenzene	146	10.710	10.702	0.008	92	142798	19.8	
	98 n-Butylbenzene	91	10.921	10.921	0.0	85	352370	21.3	
	99 1,2-Dichlorobenzene	146	11.106	11.106	0.0	83	127830	20.2	
	100 1,2-Dibromo-3-Chloropropane	157	11.991	11.983	0.008	69	6821	19.3	
	101 1,3,5-Trichlorobenzene	180	12.025	12.025	0.0	97	105718	0	
	102 Hexachlorobutadiene	225	12.867	12.859	0.008	86	53337	21.7	
	103 1,2,4-Trichlorobenzene	180	12.918	12.918	0.0	85	80963	20.9	
	104 Naphthalene	128	13.457	13.457	0.0	81	120349	20.4	
	105 1,2,3-Trichlorobenzene	180	13.794	13.786	0.008	96	61329	20.9	

Report Date: 21-Oct-2010 08:41:02 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49632.D

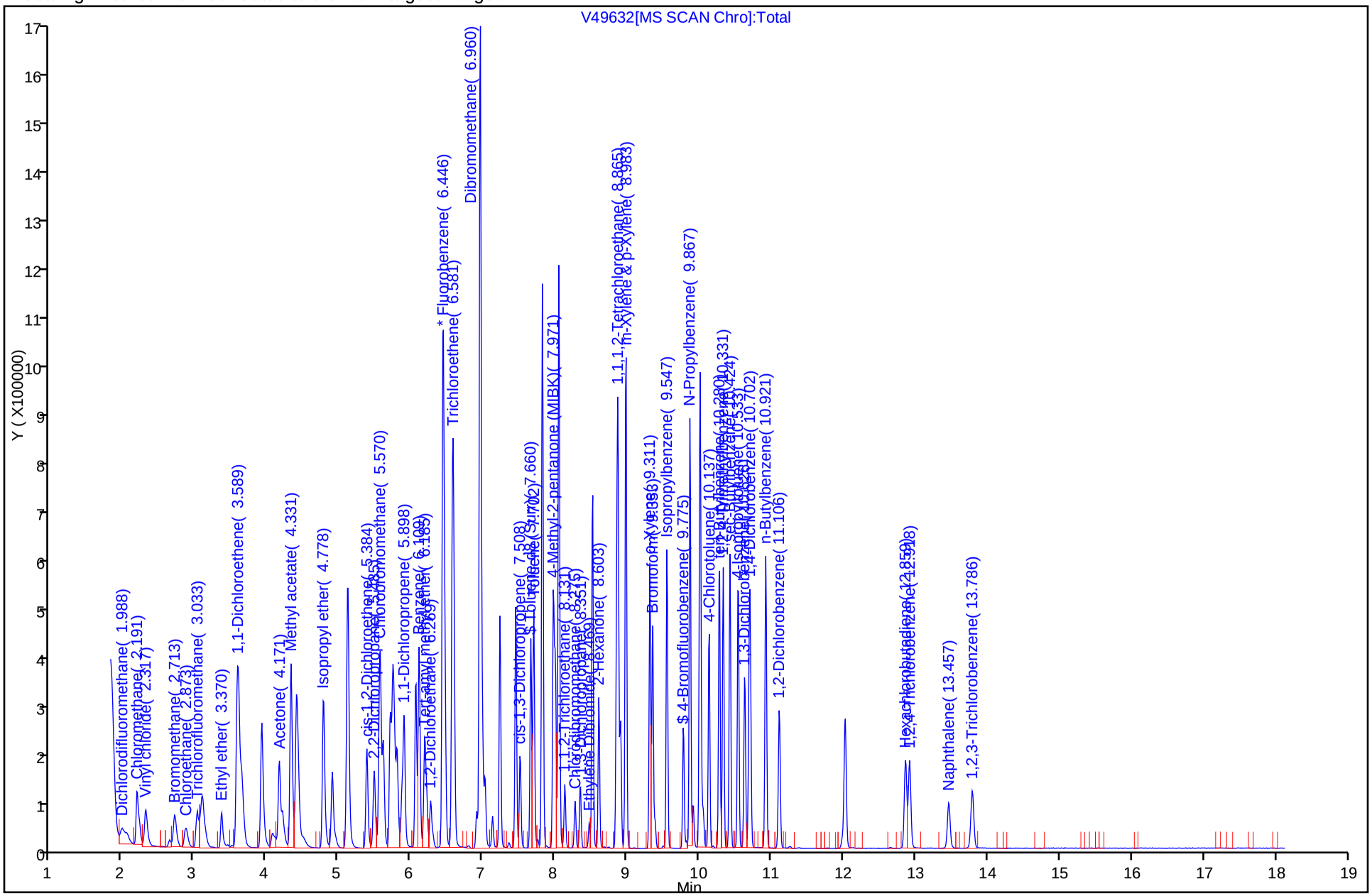
Injection Date: 19-Oct-2010 17:44:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 64639 Lims Sample ID: 9

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49633.D
Lims ID: STD40 Client ID:
Inject. Date: 19-Oct-2010 18:08:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD40
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 64639 Lims Sample ID: 10
Sublist: chrom-WES1SOIL*sub14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m
Last Update: 21-Oct-2010 08:40:52 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
Process Host: WESVOAJESS

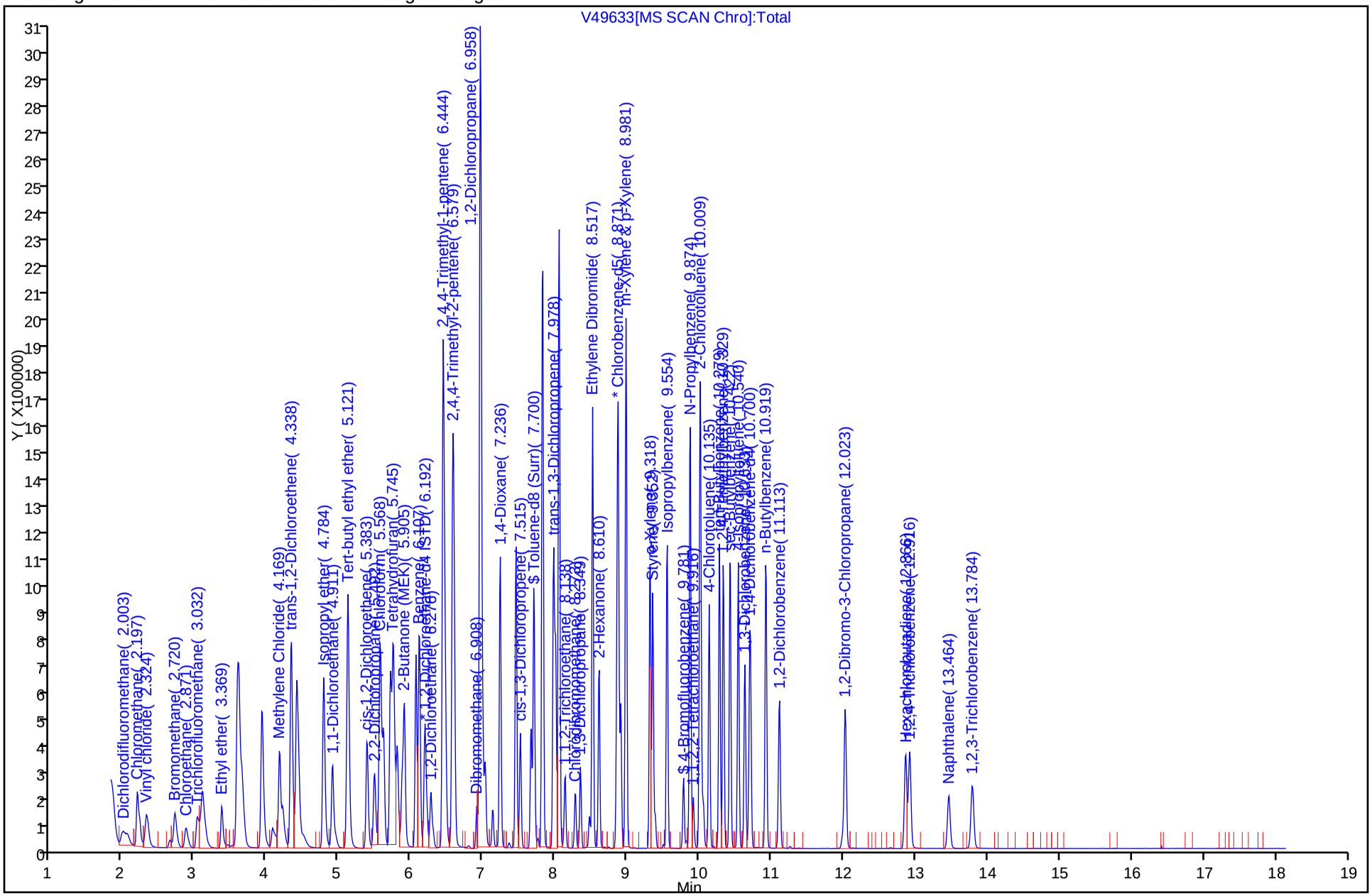
Reviewed By: rouleauc Date: 20-Oct-2010 15:53:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.003	1.988	0.015	100	225433	37.9	
2 Chloromethane	50	2.197	2.199	-0.002	99	336528	39.4	
3 Vinyl chloride	62	2.332	2.317	0.015	82	247279	38.9	
4 Bromomethane	94	2.720	2.722	-0.002	90	137103	37.8	
5 Chloroethane	64	2.871	2.882	-0.011	100	126946	35.2	
6 Trichlorofluoromethane	101	3.032	3.033	-0.001	85	239463	38.5	
7 Dichlorofluoromethane	67	3.107	3.101	0.006	0	300214	0	
8 Ethyl ether	59	3.369	3.370	-0.001	95	118864	40.5	
9 1,1-Dichloroethene	96	3.588	3.581	0.007	87	160349	36.7	
11 Ethanol	45	3.605	3.581	0.024	1	40756	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.596	3.589	0.007	76	144738	0	
10 Carbon disulfide	76	3.613	3.606	0.007	66	620418	38.2	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.655	3.648	0.007	46	106009	39.0	
14 Acrolein	56	3.933	3.927	0.006	83	675542	0	
15 Isopropyl alcohol	45	4.076	4.078	-0.002	89	236608	0	
16 Methylene Chloride	84	4.169	4.171	-0.002	99	183312	38.7	
17 Acetone	43	4.220	4.213	0.007	95	235693	402.8	
18 trans-1,2-Dichloroethene	61	4.329	4.323	0.006	69	299277	38.7	
19 Methyl acetate	43	4.338	4.339	-0.001	80	671707	394.7	
20 Hexane	57	4.414	4.407	0.007	70	392374	0	
21 Methyl tert-butyl ether	73	4.439	4.432	0.007	65	332288	39.0	
22 2-Methyl-2-propanol	59	4.515	4.516	-0.001	21	76663	0	
23 Isopropyl ether	45	4.784	4.778	0.006	98	710289	39.7	
24 1,1-Dichloroethane	63	4.911	4.904	0.007	63	360094	39.1	
25 Acrylonitrile	53	4.953	4.955	-0.002	100	31076	0	
26 Tert-butyl ethyl ether	59	5.113	5.106	0.007	67	504683	38.2	
27 Vinyl acetate	43	5.121	5.123	-0.002	59	1022107	0	
28 cis-1,2-Dichloroethene	61	5.383	5.384	-0.001	41	278362	39.0	
29 2,2-Dichloropropane	77	5.492	5.486	0.006	75	218929	37.7	
31 Chlorobromomethane	130	5.560	5.561	-0.001	69	84818	39.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.576	5.570	0.006	85	370223	37.6	
32 Chloroform	83	5.619	5.612	0.007	83	321040	38.9	
34 Ethyl acetate	43	5.711	5.705	0.006	98	844853	0	
36 sec-Butyl Alcohol	45	5.737	5.730	0.007	84	420100	0	
33 Carbon tetrachloride	117	5.745	5.747	-0.002	92	198384	37.9	
35 Tetrahydrofuran	42	5.753	5.755	-0.002	63	244360	409.3	
$ 37 Dibromofluoromethane	113	5.770	5.772	-0.002	53	72884	20.4	
38 1,1,1-Trichloroethane	97	5.804	5.806	-0.002	67	246884	38.7	
39 2-Butanone (MEK)	43	5.871	5.873	-0.002	92	377091	412.4	
40 1,1-Dichloropropene	75	5.905	5.898	0.007	94	256655	40.4	
41 n-Heptane	43	6.065	6.059	0.006	95	331329	0	
42 Benzene	78	6.116	6.109	0.007	82	718366	40.4	
43 Tert-amyl methyl ether	73	6.192	6.185	0.007	98	386129	39.5	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.217	6.219	-0.002	0	14886	20.0	
45 1,2-Dichloroethane	62	6.276	6.269	0.007	97	155536	41.5	
* 46 Fluorobenzene	96	6.444	6.438	0.006	1	292125	20.0	
48 Isopropyl acetate	43	6.444	6.438	0.006	79	1571218	0	
47 2,4,4-Trimethyl-1-pentene	55	6.470	6.463	0.007	99	140589	34.4	
50 Trichloroethene	95	6.571	6.573	-0.002	55	175597	39.3	
49 Methylcyclohexane	83	6.579	6.573	0.006	86	295449	36.1	
51 2,4,4-Trimethyl-2-pentene	112	6.596	6.589	0.007	92	95538	38.0	
52 Dibromomethane	93	6.908	6.910	-0.002	91	66549	41.7	
53 1,2-Dichloropropane	63	6.992	6.985	0.007	87	148363	38.9	
54 Dichlorobromomethane	83	7.026	7.028	-0.002	86	188631	40.7	
55 Methyl methacrylate	69	7.135	7.129	0.006	93	52605	0	
56 1,4-Dioxane	88	7.186	7.179	0.007	35	5861	388.2	
57 n-Propyl acetate	43	7.236	7.230	0.006	98	1034773	0	
58 2-Chloroethyl vinyl ether	63	7.456	7.449	0.007	70	458251	0	
59 cis-1,3-Dichloropropene	75	7.515	7.508	0.007	93	228945	43.7	
$ 60 Toluene-d8 (Surr)	98	7.666	7.660	0.006	49	274959	21.2	
61 Toluene	92	7.700	7.702	-0.002	98	395508	40.9	
63 4-Methyl-2-pentanone (MIBK)	43	7.978	7.971	0.007	85	718926	405.0	
62 Tetrachloroethene	164	8.003	7.997	0.006	84	106523	40.1	
64 trans-1,3-Dichloropropene	75	8.012	8.005	0.007	93	154785	42.7	
65 Isobutyl acetate	43	8.054	8.047	0.007	88	1987488	0	
66 1,1,2-Trichloroethane	83	8.138	8.132	0.006	45	70767	39.6	
67 Chlorodibromomethane	129	8.281	8.275	0.006	60	105845	42.9	
68 1,3-Dichloropropane	76	8.349	8.351	-0.002	82	159744	43.1	
69 Ethylene Dibromide	107	8.475	8.469	0.006	97	81029	43.6	
70 n-Butyl acetate	43	8.517	8.519	-0.002	99	1129325	0	
71 2-Hexanone	43	8.610	8.603	0.007	97	448547	431.0	
* 72 Chlorobenzene-d5	117	8.854	8.848	0.006	72	185875	20.0	
73 Chlorobenzene	112	8.863	8.865	-0.002	79	360838	39.2	
74 Ethylbenzene	91	8.871	8.873	-0.002	76	700049	38.2	
75 1,1,1,2-Tetrachloroethane	131	8.905	8.907	-0.002	73	139337	39.0	
76 m-Xylene & p-Xylene	91	8.981	8.983	-0.002	100	1075431	76.8	
77 o-Xylene	91	9.318	9.311	0.007	82	610624	39.0	
78 Styrene	104	9.352	9.353	-0.001	54	430150	39.4	
79 Bromoform	173	9.385	9.387	-0.002	51	51164	41.8	
80 Isopropylbenzene	105	9.554	9.547	0.007	80	739727	38.4	
$ 82 4-Bromofluorobenzene	95	9.781	9.775	0.006	78	96200	20.4	
$ 81 BFB	95	9.781	9.780	0.001	78	96278	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.874	9.867	0.007	84	854119	37.4	
83 Bromobenzene	77	9.874	9.867	0.007	19	279669	37.4	
85 1,1,2,2-Tetrachloroethane	83	9.916	9.910	0.006	34	92268	37.4	
86 2-Chlorotoluene	91	10.009	10.002	0.007	61	563110	37.1	
87 1,3,5-Trimethylbenzene	105	10.017	10.011	0.006	93	569654	36.7	
88 1,2,3-Trichloropropane	110	10.034	10.036	-0.002	11	23295	38.1	
89 trans-1,4-Dichloro-2-butene	53	10.059	10.053	0.006	1	28002	0	
90 4-Chlorotoluene	91	10.135	10.129	0.006	81	533458	39.1	
91 tert-Butylbenzene	119	10.279	10.272	0.007	81	514072	39.0	
92 1,2,4-Trimethylbenzene	105	10.329	10.331	-0.002	54	601353	37.8	
93 sec-Butylbenzene	105	10.422	10.424	-0.002	53	799889	37.5	
94 4-Isopropyltoluene	119	10.540	10.533	0.007	81	617195	37.6	
95 1,3-Dichlorobenzene	146	10.633	10.626	0.006	87	286481	37.5	
* 96 1,4-Dichlorobenzene-d4	115	10.691	10.693	-0.002	88	52383	20.0	
97 1,4-Dichlorobenzene	146	10.708	10.702	0.006	91	279179	39.1	
98 n-Butylbenzene	91	10.919	10.921	-0.002	85	647807	39.6	
99 1,2-Dichlorobenzene	146	11.113	11.106	0.007	95	249003	39.8	
100 1,2-Dibromo-3-Chloropropane	157	11.989	11.983	0.006	71	14973	42.8	
101 1,3,5-Trichlorobenzene	180	12.023	12.025	-0.002	96	208193	0	
102 Hexachlorobutadiene	225	12.866	12.859	0.007	82	102670	42.2	
103 1,2,4-Trichlorobenzene	180	12.916	12.918	-0.002	85	161318	42.0	
104 Naphthalene	128	13.464	13.457	0.007	81	248706	42.6	
105 1,2,3-Trichlorobenzene	180	13.793	13.786	0.007	96	120741	41.6	

Report Date: 21-Oct-2010 08:41:00 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49633.D
Injection Date: 19-Oct-2010 18:08:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 64639 Lims Sample ID: 10
Operator ID: CR
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Lims ID: STD80 Client ID:
Inject. Date: 19-Oct-2010 18:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD80
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 64639 Lims Sample ID: 11
Sublist: chrom-WES1SOIL*sub14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m
Last Update: 21-Oct-2010 08:40:52 Calib Date: 19-Oct-2010 18:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49633.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 20-Oct-2010 15:53:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.000	1.988	0.012	100	432108	77.4	
2 Chloromethane	50	2.202	2.199	0.003	88	649277	81.0	
3 Vinyl chloride	62	2.328	2.317	0.011	81	479682	80.4	
4 Bromomethane	94	2.716	2.722	-0.006	91	246181	72.4	
5 Chloroethane	64	2.876	2.882	-0.006	100	218508	64.5	
6 Trichlorofluoromethane	101	3.028	3.033	-0.005	100	449376	77.0	
7 Dichlorofluoromethane	67	3.104	3.101	0.003	0	593169	0	
8 Ethyl ether	59	3.365	3.370	-0.005	95	220745	80.2	
9 1,1-Dichloroethene	96	3.584	3.581	0.003	87	304642	74.4	
11 Ethanol	45	3.601	3.581	0.020	1	73497	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.592	3.589	0.003	73	281621	0	
10 Carbon disulfide	76	3.609	3.606	0.003	66	1185459	77.8	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.651	3.648	0.003	77	204263	80.2	
14 Acrolein	56	3.921	3.927	-0.006	83	1234226	0	
15 Isopropyl alcohol	45	4.073	4.078	-0.005	89	422381	0	
16 Methylene Chloride	84	4.165	4.171	-0.006	98	350749	79.0	
17 Acetone	43	4.216	4.213	0.003	99	427472	778.3	
18 trans-1,2-Dichloroethene	61	4.325	4.323	0.002	74	572413	79.0	
19 Methyl acetate	43	4.334	4.339	-0.005	80	1221318	764.5	
20 Hexane	57	4.410	4.407	0.003	70	730664	0	
21 Methyl tert-butyl ether	73	4.435	4.432	0.003	65	626156	78.3	
22 2-Methyl-2-propanol	59	4.511	4.516	-0.005	21	138671	0	
23 Isopropyl ether	45	4.780	4.778	0.002	99	1370640	81.6	
24 1,1-Dichloroethane	63	4.907	4.904	0.003	63	707204	81.8	
25 Acrylonitrile	53	4.949	4.955	-0.006	99	58415	0	
26 Tert-butyl ethyl ether	59	5.109	5.106	0.003	72	938818	75.8	
27 Vinyl acetate	43	5.126	5.123	0.003	50	1891748	0	
28 cis-1,2-Dichloroethene	61	5.387	5.384	0.003	40	544794	81.2	
29 2,2-Dichloropropane	77	5.488	5.486	0.002	75	380879	69.9	
31 Chlorobromomethane	130	5.556	5.561	-0.005	76	160098	79.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.573	5.570	0.003	85	685602	74.1	
32 Chloroform	83	5.615	5.612	0.003	83	623322	80.5	
34 Ethyl acetate	43	5.707	5.705	0.002	98	1544998	0	
36 sec-Butyl Alcohol	45	5.733	5.730	0.003	81	765609	0	
33 Carbon tetrachloride	117	5.750	5.747	0.003	96	393563	80.2	
35 Tetrahydrofuran	42	5.750	5.755	-0.005	63	441597	788.0	
$ 37 Dibromofluoromethane	113	5.775	5.772	0.003	46	70662	21.0	
38 1,1,1-Trichloroethane	97	5.809	5.806	0.002	65	486031	81.1	
39 2-Butanone (MEK)	43	5.876	5.873	0.003	86	709164	826.3	
40 1,1-Dichloropropene	75	5.901	5.898	0.003	94	500137	83.9	
41 n-Heptane	43	6.061	6.059	0.002	96	626996	0	
42 Benzene	78	6.112	6.109	0.003	83	1376011	82.4	
43 Tert-amyl methyl ether	73	6.188	6.185	0.003	98	738346	80.4	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.213	6.219	-0.006	0	14262	20.0	
45 1,2-Dichloroethane	62	6.272	6.269	0.003	96	301322	85.7	
* 46 Fluorobenzene	96	6.441	6.438	0.003	1	274198	20.0	
48 Isopropyl acetate	43	6.441	6.438	0.003	78	2668563	0	
47 2,4,4-Trimethyl-1-pentene	55	6.466	6.463	0.003	98	267922	69.9	
50 Trichloroethene	95	6.567	6.573	-0.006	78	310809	74.1	
49 Methylcyclohexane	83	6.575	6.573	0.002	89	497847	64.7	
51 2,4,4-Trimethyl-2-pentene	112	6.592	6.589	0.003	93	170704	72.3	
52 Dibromomethane	93	6.912	6.910	0.002	95	126949	84.7	
53 1,2-Dichloropropane	63	6.988	6.985	0.003	84	271363	75.8	
54 Dichlorobromomethane	83	7.022	7.028	-0.006	85	367585	84.5	
55 Methyl methacrylate	69	7.132	7.129	0.003	94	103724	0	
56 1,4-Dioxane	88	7.191	7.179	0.012	45	10859	750.6	
57 n-Propyl acetate	43	7.233	7.230	0.003	98	1884164	0	
58 2-Chloroethyl vinyl ether	63	7.452	7.449	0.003	71	835875	0	
59 cis-1,3-Dichloropropene	75	7.511	7.508	0.003	76	447886	91.0	
$ 60 Toluene-d8 (Surr)	98	7.662	7.660	0.002	49	284068	23.4	
61 Toluene	92	7.705	7.702	0.003	99	759827	83.7	
63 4-Methyl-2-pentanone (MIBK)	43	7.974	7.971	0.003	86	1234319	740.8	
62 Tetrachloroethene	164	7.999	7.997	0.002	89	199081	79.8	
64 trans-1,3-Dichloropropene	75	8.008	8.005	0.003	91	286902	84.3	
65 Isobutyl acetate	43	8.050	8.047	0.003	88	3118084	0	
66 1,1,2-Trichloroethane	83	8.134	8.132	0.002	87	138198	82.4	
67 Chlorodibromomethane	129	8.278	8.275	0.003	60	207955	89.7	
68 1,3-Dichloropropane	76	8.345	8.351	-0.006	83	312445	89.8	
69 Ethylene Dibromide	107	8.471	8.469	0.002	98	154456	88.6	
70 n-Butyl acetate	43	8.514	8.519	-0.005	99	1975627	0	
71 2-Hexanone	43	8.606	8.603	0.003	97	832411	852.2	
* 72 Chlorobenzene-d5	117	8.851	8.848	0.003	61	186057	20.0	
73 Chlorobenzene	112	8.867	8.865	0.002	73	648707	70.5	
74 Ethylbenzene	91	8.876	8.873	0.003	77	1238956	67.5	
75 1,1,1,2-Tetrachloroethane	131	8.910	8.907	0.003	70	262279	73.4	
76 m-Xylene & p-Xylene	91	8.985	8.983	0.002	100	1866628	133.2	
77 o-Xylene	91	9.314	9.311	0.003	82	1118815	71.4	
78 Styrene	104	9.356	9.353	0.003	53	789260	72.2	
79 Bromoform	173	9.390	9.387	0.003	62	97897	89.7	
80 Isopropylbenzene	105	9.550	9.547	0.003	80	1342083	69.6	
$ 82 4-Bromofluorobenzene	95	9.778	9.775	0.003	75	94174	19.9	
$ 81 BFB	95	9.778	9.780	-0.002	0	93354	0	8M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.870	9.867	0.003	84	1461151	63.9	
83 Bromobenzene	77	9.870	9.867	0.003	34	472034	63.0	
85 1,1,2,2-Tetrachloroethane	83	9.912	9.910	0.002	34	167952	76.3	
86 2-Chlorotoluene	91	10.005	10.002	0.003	61	954621	62.8	
87 1,3,5-Trimethylbenzene	105	10.014	10.011	0.003	91	958569	61.7	
88 1,2,3-Trichloropropane	110	10.039	10.036	0.003	54	41511	67.9	
89 trans-1,4-Dichloro-2-butene	53	10.056	10.053	0.003	3	55005	0	
90 4-Chlorotoluene	91	10.140	10.129	0.011	82	965261	70.7	
91 tert-Butylbenzene	119	10.275	10.272	0.003	92	901171	68.3	
92 1,2,4-Trimethylbenzene	105	10.334	10.331	0.003	21	1048552	65.9	
93 sec-Butylbenzene	105	10.426	10.424	0.002	52	1395599	65.4	
94 4-Isopropyltoluene	119	10.544	10.533	0.011	81	1064791	64.9	
95 1,3-Dichlorobenzene	146	10.629	10.626	0.003	86	507364	66.3	
* 96 1,4-Dichlorobenzene-d4	115	10.696	10.693	0.003	87	46674	20.0	
97 1,4-Dichlorobenzene	146	10.713	10.702	0.011	92	490563	77.2	
98 n-Butylbenzene	91	10.924	10.921	0.003	85	1104417	75.7	
99 1,2-Dichlorobenzene	146	11.109	11.106	0.003	94	430583	77.2	
100 1,2-Dibromo-3-Chloropropane	157	11.985	11.983	0.002	72	24744	79.4	
101 1,3,5-Trichlorobenzene	180	12.028	12.025	0.003	97	346501	0	
102 Hexachlorobutadiene	225	12.862	12.859	0.003	85	172935	79.7	
103 1,2,4-Trichlorobenzene	180	12.921	12.918	0.003	85	271597	79.4	
104 Naphthalene	128	13.460	13.457	0.003	81	417734	80.2	
105 1,2,3-Trichlorobenzene	180	13.789	13.786	0.003	95	202751	78.5	

QC Flag Legend

Processing Flags
8 - Failed MS Tune Ratio Test

Review Flags
M - Manually Integrated

Report Date: 21-Oct-2010 08:40:57 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D

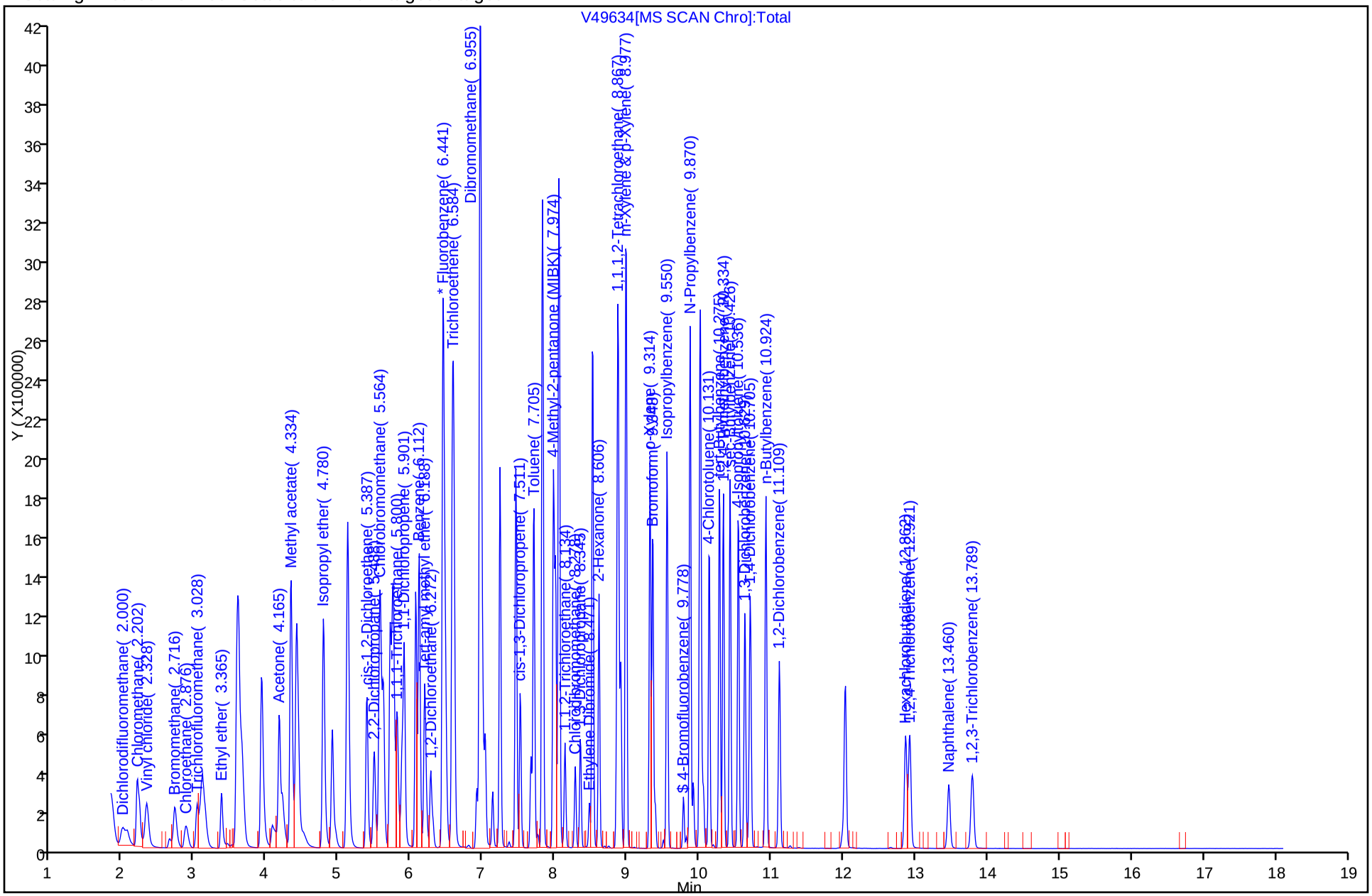
Injection Date: 19-Oct-2010 18:32:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 64639 Lims Sample ID: 11

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67368/2 Calibration Date: 12/17/2010 15:35

Instrument ID: HP #1 GC/MS Calib Start Date: 10/19/2010 15:51

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 10/19/2010 18:32

Lab File ID: V50603.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	0.4070	0.3443	0.1000	16.9	20.0	-15.4	20.0
Chloromethane	Ave	0.5848	0.5110	0.1000	17.5	20.0	-12.6	20.0
Vinyl chloride	Ave	0.4352	0.3800	0.1000	17.5	20.0	-12.7	20.0
Bromomethane	Ave	0.2481	0.2242	0.1000	18.1	20.0	-9.6	20.0
Chloroethane	Ave	0.2471	0.1962	0.1000	15.9	20.0	-20.6*	20.0
Trichlorofluoromethane	Ave	0.4256	0.4254	0.1000	20.0	20.0	-0.0	20.0
Ethyl ether	Ave	0.2009	0.1856		18.5	20.0	-7.6	20.0
1,1-Dichloroethene	Ave	0.2988	0.3000	0.1000	20.1	20.0	0.4	20.0
Carbon disulfide	Ave	1.111	0.8721	0.1000	15.7	20.0	-21.5*	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1859	0.1934		20.8	20.0	4.1	20.0
Methylene Chloride	Lin1F		0.3172	0.1000	19.6	20.0	-2.1	20.0
Acetone	Lin1F		0.0288*	0.1000	144	200	-28.1*	20.0
trans-1,2-Dichloroethene	Ave	0.5288	0.4764	0.1000	18.0	20.0	-9.9	20.0
Methyl acetate	Ave	0.1165	0.0857		147	200	-26.5*	20.0
Methyl tert-butyl ether	Ave	0.5831	0.5197	0.1000	17.8	20.0	-10.9	20.0
Isopropyl ether	Ave	1.225	1.039		17.0	20.0	-15.2	20.0
1,1-Dichloroethane	Ave	0.6309	0.5737	0.2000	18.2	20.0	-9.1	20.0
Tert-butyl ethyl ether	Ave	0.9037	0.7735		17.1	20.0	-14.4	20.0
cis-1,2-Dichloroethene	Ave	0.4892	0.4238	0.1000	17.3	20.0	-13.4	20.0
2,2-Dichloropropane	Ave	0.3975	0.3585		18.0	20.0	-9.8	20.0
Chlorobromomethane	Ave	0.1468	0.1452		19.8	20.0	-1.0	20.0
Cyclohexane	Ave	0.6747	0.5861		17.4	20.0	-13.1	20.0
Chloroform	Lin		0.5080	0.2000	17.9	20.0	-10.4	20.0
Carbon tetrachloride	Ave	0.3579	0.3418	0.1000	19.1	20.0	-4.5	20.0
Tetrahydrofuran	Lin1F		0.0340		166	200	-16.9	20.0
1,1,1-Trichloroethane	Ave	0.4369	0.4217	0.1000	19.3	20.0	-3.5	20.0
2-Butanone (MEK)	Lin2F		0.0515*	0.1000	165	200	-17.7	20.0
1,1-Dichloropropene	Ave	0.4348	0.4128		19.0	20.0	-5.0	20.0
Benzene	Ave	1.218	1.141	0.5000	18.7	20.0	-6.3	20.0
Tert-amyl methyl ether	Ave	0.6694	0.5983		17.9	20.0	-10.6	20.0
1,2-Dichloroethane	Ave	0.2565	0.2453	0.1000	19.1	20.0	-4.4	20.0
2,4,4-Trimethyl-1-pentene	Ave	0.2797	0.2244		16.0	20.0	-19.8	20.0
Methylcyclohexane	Ave	0.5609	0.4807		17.1	20.0	-14.3	20.0
Trichloroethene	Ave	0.3061	0.2929	0.2000	19.1	20.0	-4.3	20.0
2,4,4-Trimethyl-2-pentene	Ave	0.1721	0.1720		20.0	20.0	-0.0	20.0
Dibromomethane	Ave	0.1094	0.1103		20.2	20.0	0.8	20.0
1,2-Dichloropropane	Ave	0.2611	0.2366	0.1000	18.1	20.0	-9.4	20.0
Dichlorobromomethane	Ave	0.3171	0.2948	0.2000	18.6	20.0	-7.1	20.0
1,4-Dioxane	Ave	0.0203	0.0176		174	200	-13.1	20.0
cis-1,3-Dichloropropene	Ave	0.3589	0.3585	0.2000	20.0	20.0	-0.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67368/2 Calibration Date: 12/17/2010 15:35

Instrument ID: HP #1 GC/MS Calib Start Date: 10/19/2010 15:51

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 10/19/2010 18:32

Lab File ID: V50603.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
Toluene	Ave	0.6621	0.6922	0.4000	20.9	20.0	4.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1215	0.1049	0.1000	173	200	-13.7	20.0
Tetrachloroethene	Lin2F		0.1860*	0.2000	20.5	20.0	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.2482	0.2503	0.1000	20.2	20.0	0.9	20.0
1,1,2-Trichloroethane	Lin1F		0.1141	0.1000	18.7	20.0	-6.7	20.0
Chlorodibromomethane	Ave	0.1690	0.1675	0.1000	19.8	20.0	-0.9	20.0
1,3-Dichloropropane	Ave	0.2536	0.2505		19.8	20.0	-1.2	20.0
Ethylene Dibromide	Ave	0.1272	0.1288		20.3	20.0	1.3	20.0
2-Hexanone	Lin2F		0.0693*	0.1000	194	200	-2.8	20.0
Chlorobenzene	Ave	0.9897	0.9849	0.5000	19.9	20.0	-0.5	20.0
Ethylbenzene	Ave	1.973	1.895	0.1000	19.2	20.0	-4.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3840	0.3449		18.0	20.0	-10.2	20.0
m-Xylene & p-Xylene	Ave	1.506	1.468	0.1000	39.0	40.0	-2.5	20.0
o-Xylene	Ave	1.683	1.580	0.3000	18.8	20.0	-6.2	20.0
Styrene	Ave	1.175	1.124	0.3000	19.1	20.0	-4.4	20.0
Bromoform	Ave	0.4674	0.4323	0.1000	18.5	20.0	-7.5	20.0
Isopropylbenzene	Ave	2.074	1.965	0.1000	18.9	20.0	-5.3	20.0
Bromobenzene	Ave	0.8055	0.6784		16.8	20.0	-15.8	20.0
N-Propylbenzene	Ave	2.457	2.284		18.6	20.0	-7.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9428	0.8135	0.3000	17.3	20.0	-13.7	20.0
2-Chlorotoluene	Ave	1.633	1.453		17.8	20.0	-11.0	20.0
1,3,5-Trimethylbenzene	Ave	1.671	1.510		18.1	20.0	-9.6	20.0
1,2,3-Trichloropropane	Ave	0.0657	0.0580		17.7	20.0	-11.7	20.0
4-Chlorotoluene	Ave	1.467	1.357		18.5	20.0	-7.5	20.0
tert-Butylbenzene	Ave	1.418	1.366		19.3	20.0	-3.6	20.0
1,2,4-Trimethylbenzene	Ave	1.711	1.546		18.1	20.0	-9.6	20.0
sec-Butylbenzene	Ave	2.295	2.133		18.6	20.0	-7.0	20.0
4-Isopropyltoluene	Ave	1.765	1.627		18.4	20.0	-7.8	20.0
1,3-Dichlorobenzene	Ave	0.8231	0.7573	0.6000	18.4	20.0	-8.0	20.0
1,4-Dichlorobenzene	Ave	2.723	2.588	0.5000	19.0	20.0	-5.0	20.0
n-Butylbenzene	Ave	6.254	6.084		19.5	20.0	-2.7	20.0
1,2-Dichlorobenzene	Ave	2.389	2.314	0.4000	19.4	20.0	-3.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1335	0.1152	0.0500	17.3	20.0	-13.7	20.0
Hexachlorobutadiene	Ave	0.9293	0.8769		18.9	20.0	-5.6	20.0
1,2,4-Trichlorobenzene	Ave	1.466	1.413	0.2000	19.3	20.0	-3.6	20.0
Naphthalene	Ave	2.231	2.050		18.4	20.0	-8.1	20.0
1,2,3-Trichlorobenzene	Ave	1.107	1.084		19.6	20.0	-2.1	20.0
Dibromofluoromethane	Ave	0.2449	0.2516		20.5	20.0	2.7	20.0
Toluene-d8 (Surr)	Ave	0.8862	0.9559		21.6	20.0	7.9	20.0
4-Bromofluorobenzene	Ave	0.5078	0.5240		20.6	20.0	3.2	20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50603.D
Lims ID: CCVIS Client ID:
Inject. Date: 17-Dec-2010 15:35:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCV
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 67368 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 10:15:24 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:15:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.016	2.016	0.0	87	69859	16.9	
2 Chloromethane	50	2.202	2.202	0.0	99	103674	17.5	
3 Vinyl chloride	62	2.328	2.328	0.0	99	77106	17.5	
4 Bromomethane	94	2.724	2.724	0.0	89	45481	18.1	
5 Chloroethane	64	2.893	2.893	0.0	99	39798	15.9	
6 Trichlorofluoromethane	101	3.036	3.036	0.0	85	86308	20.0	
7 Dichlorofluoromethane	67	3.120	3.120	0.0	0	96572	0	
8 Ethyl ether	59	3.373	3.373	0.0	94	37663	18.5	
9 1,1-Dichloroethene	96	3.592	3.592	0.0	99	60873	20.1	
11 Ethanol	45	3.592	3.592	0.0	5	13438	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.600	3.600	0.0	96	52290	0	
10 Carbon disulfide	76	3.617	3.617	0.0	99	176944	15.7	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.668	3.668	0.0	86	39242	20.8	
14 Acrolein	56	3.937	3.937	0.0	99	231396	0	
15 Isopropyl alcohol	45	4.089	4.089	0.0	99	69159	0	
16 Methylene Chloride	84	4.182	4.182	0.0	93	64366	19.6	
17 Acetone	43	4.224	4.224	0.0	100	58411	143.7	
18 trans-1,2-Dichloroethene	61	4.334	4.334	0.0	97	96660	18.0	
19 Methyl acetate	43	4.350	4.350	0.0	98	173788	147.0	
20 Hexane	57	4.418	4.418	0.0	69	128574	0	
21 Methyl tert-butyl ether	73	4.443	4.443	0.0	63	105436	17.8	
22 2-Methyl-2-propanol	59	4.519	4.519	0.0	21	21286	0	
23 Isopropyl ether	45	4.797	4.797	0.0	98	210830	17.0	
24 1,1-Dichloroethane	63	4.915	4.915	0.0	97	116397	18.2	
25 Acrylonitrile	53	4.957	4.957	0.0	99	9152	0	
26 Tert-butyl ethyl ether	59	5.126	5.126	0.0	37	156934	17.1	
27 Vinyl acetate	43	5.134	5.134	0.0	97	642106	0	
28 cis-1,2-Dichloroethene	61	5.395	5.395	0.0	80	85987	17.3	
29 2,2-Dichloropropane	77	5.496	5.496	0.0	76	72748	18.0	
31 Chlorobromomethane	130	5.572	5.572	0.0	61	29466	19.8	

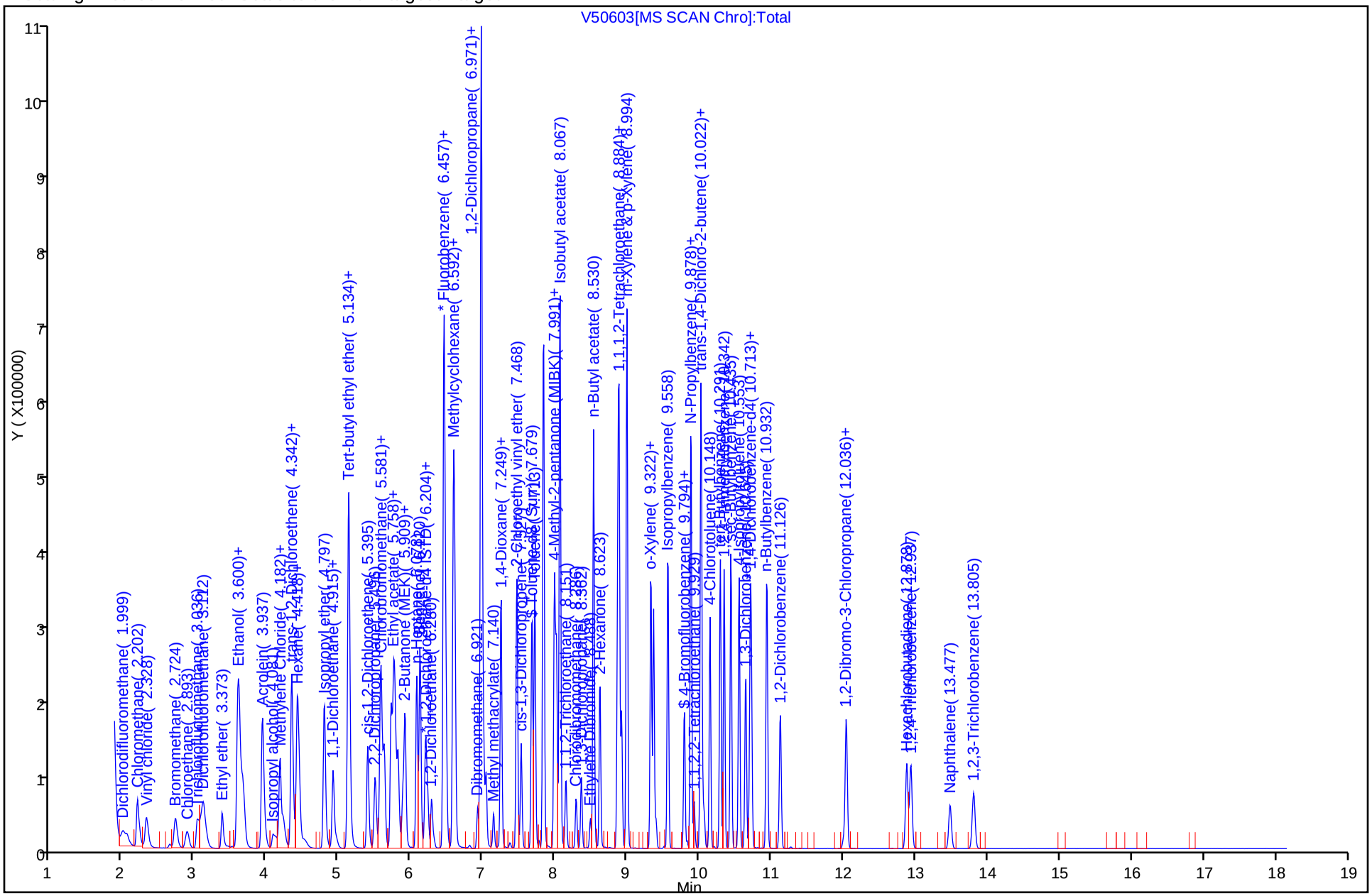
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.581	5.581	0.0	84	118923	17.4	
32 Chloroform	83	5.623	5.623	0.0	79	103064	17.9	
34 Ethyl acetate	43	5.724	5.724	0.0	97	244317	0	
36 sec-Butyl Alcohol	45	5.741	5.741	0.0	65	118687	0	
33 Carbon tetrachloride	117	5.758	5.758	0.0	99	69360	19.1	
35 Tetrahydrofuran	42	5.766	5.766	0.0	62	68900	166.1	
$ 37 Dibromofluoromethane	113	5.783	5.783	0.0	82	51041	20.5	
38 1,1,1-Trichloroethane	97	5.817	5.817	0.0	67	85570	19.3	
39 2-Butanone (MEK)	43	5.884	5.884	0.0	99	104503	164.5	
40 1,1-Dichloropropene	75	5.918	5.918	0.0	94	83762	19.0	
41 n-Heptane	43	6.078	6.078	0.0	93	100143	0	
42 Benzene	78	6.120	6.120	0.0	97	231597	18.7	
43 Tert-amyl methyl ether	73	6.196	6.196	0.0	98	121402	17.9	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.230	6.230	0.0	0	11033	20.0	
45 1,2-Dichloroethane	62	6.280	6.280	0.0	97	49762	19.1	
* 46 Fluorobenzene	96	6.449	6.449	0.0	58	202899	20.0	
48 Isopropyl acetate	43	6.457	6.457	0.0	99	463892	0	
47 2,4,4-Trimethyl-1-pentene	55	6.474	6.474	0.0	96	45533	16.0	
50 Trichloroethene	95	6.583	6.583	0.0	65	59421	19.1	
49 Methylcyclohexane	83	6.583	6.583	0.0	92	97542	17.1	
51 2,4,4-Trimethyl-2-pentene	112	6.609	6.609	0.0	88	34898	20.0	
52 Dibromomethane	93	6.921	6.921	0.0	92	22371	20.2	
53 1,2-Dichloropropane	63	7.005	7.005	0.0	94	47999	18.1	
54 Dichlorobromomethane	83	7.039	7.039	0.0	99	59806	18.6	
55 Methyl methacrylate	69	7.140	7.140	0.0	93	16494	0	
56 1,4-Dioxane	88	7.199	7.199	0.0	42	1946	173.9	
57 n-Propyl acetate	43	7.249	7.249	0.0	98	306539	0	
58 2-Chloroethyl vinyl ether	63	7.468	7.468	0.0	93	148972	0	
59 cis-1,3-Dichloropropene	75	7.527	7.527	0.0	94	72744	20.0	
$ 60 Toluene-d8 (Surr)	98	7.671	7.671	0.0	81	193945	21.6	
61 Toluene	92	7.713	7.713	0.0	99	140441	20.9	
63 4-Methyl-2-pentanone (MIBK)	43	7.991	7.991	0.0	96	212823	172.6	
62 Tetrachloroethene	164	8.016	8.016	0.0	96	37738	20.5	
64 trans-1,3-Dichloropropene	75	8.016	8.016	0.0	95	50792	20.2	
65 Isobutyl acetate	43	8.067	8.067	0.0	98	593369	0	
66 1,1,2-Trichloroethane	83	8.142	8.142	0.0	91	23155	18.7	
67 Chlorodibromomethane	129	8.286	8.286	0.0	89	33989	19.8	
68 1,3-Dichloropropane	76	8.362	8.362	0.0	90	50828	19.8	
69 Ethylene Dibromide	107	8.488	8.488	0.0	97	26131	20.3	
70 n-Butyl acetate	43	8.530	8.530	0.0	99	357819	0	
71 2-Hexanone	43	8.614	8.614	0.0	95	140521	194.4	
* 72 Chlorobenzene-d5	117	8.867	8.867	0.0	85	131550	20.0	
73 Chlorobenzene	112	8.876	8.876	0.0	81	129567	19.9	
74 Ethylbenzene	91	8.884	8.884	0.0	95	249312	19.2	
75 1,1,1,2-Tetrachloroethane	131	8.918	8.918	0.0	64	45373	18.0	
76 m-Xylene & p-Xylene	91	8.994	8.994	0.0	100	386263	39.0	
77 o-Xylene	91	9.322	9.322	0.0	99	207825	18.8	
78 Styrene	104	9.364	9.364	0.0	95	147821	19.1	
79 Bromoform	173	9.398	9.398	0.0	82	15832	18.5	
80 Isopropylbenzene	105	9.567	9.567	0.0	95	258532	18.9	
$ 82 4-Bromofluorobenzene	95	9.794	9.794	0.0	81	68938	20.6	
$ 81 BFB	95	9.794	9.794	0.0	0	68834	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 Bromobenzene	77	9.878	9.878	0.0	44	89244	16.8	
84 N-Propylbenzene	91	9.878	9.878	0.0	100	300430	18.6	
85 1,1,2,2-Tetrachloroethane	83	9.929	9.929	0.0	94	29793	17.3	
86 2-Chlorotoluene	91	10.013	10.013	0.0	93	191078	17.8	
87 1,3,5-Trimethylbenzene	105	10.030	10.030	0.0	94	198694	18.1	
88 1,2,3-Trichloropropane	110	10.047	10.047	0.0	73	7635	17.7	
89 trans-1,4-Dichloro-2-butene	53	10.064	10.064	0.0	1	7583	0	
90 4-Chlorotoluene	91	10.148	10.148	0.0	98	178539	18.5	
91 tert-Butylbenzene	119	10.291	10.291	0.0	92	179705	19.3	
92 1,2,4-Trimethylbenzene	105	10.342	10.342	0.0	0	203422	18.1	A
93 sec-Butylbenzene	105	10.435	10.435	0.0	94	280619	18.6	
94 4-Isopropyltoluene	119	10.553	10.553	0.0	97	213978	18.4	
95 1,3-Dichlorobenzene	146	10.645	10.645	0.0	98	99627	18.4	
* 96 1,4-Dichlorobenzene-d4	115	10.704	10.704	0.0	97	36624	20.0	
97 1,4-Dichlorobenzene	146	10.721	10.721	0.0	93	94782	19.0	
98 n-Butylbenzene	91	10.932	10.932	0.0	98	222838	19.5	
99 1,2-Dichlorobenzene	146	11.126	11.126	0.0	97	84745	19.4	
100 1,2-Dibromo-3-Chloropropane	157	12.002	12.002	0.0	72	4220	17.3	
101 1,3,5-Trichlorobenzene	180	12.036	12.036	0.0	96	69977	0	
102 Hexachlorobutadiene	225	12.878	12.878	0.0	85	32115	18.9	
103 1,2,4-Trichlorobenzene	180	12.937	12.937	0.0	93	51755	19.3	
104 Naphthalene	128	13.477	13.477	0.0	97	75067	18.4	
105 1,2,3-Trichlorobenzene	180	13.805	13.805	0.0	96	39683	19.6	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 20-Dec-2010 10:15:26 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50603.D
Injection Date: 17-Dec-2010 15:35:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 2
Operator ID: CR
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:15:26 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50603.D

Injection Date: 17-Dec-2010 15:35:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

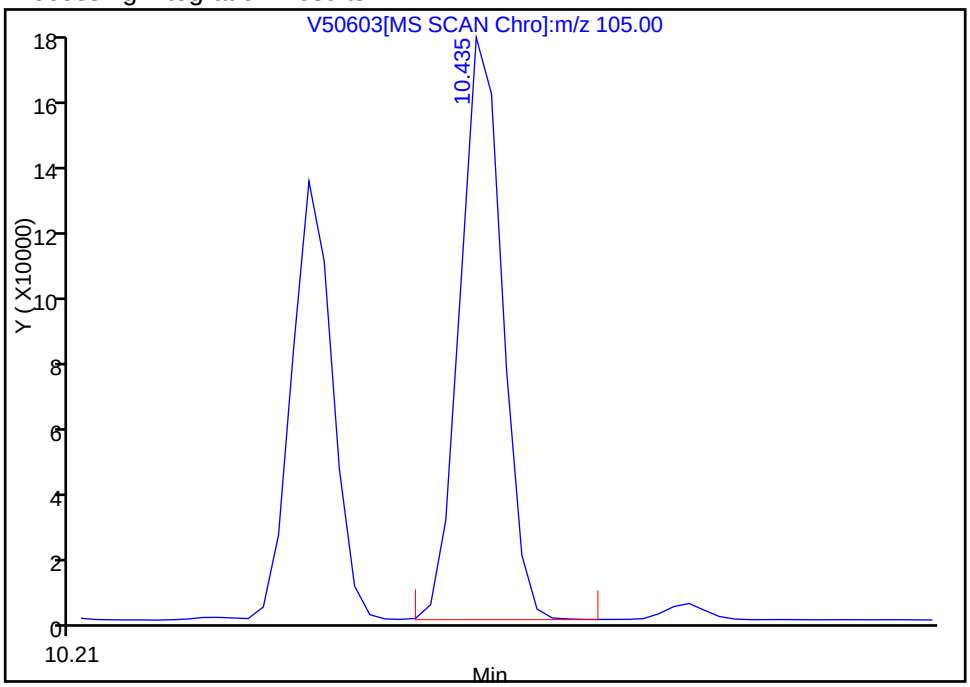
Lims Batch ID: 67368 Lims Sample ID: 2

Operator ID: CR

92 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.34

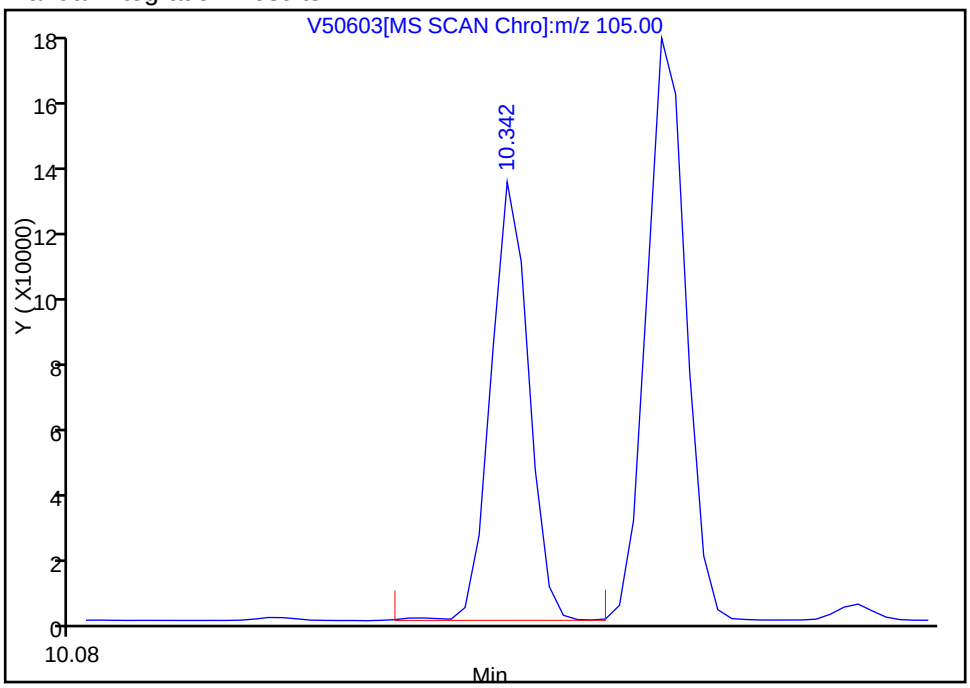
Processing Integration Results

RT: 10.43
Response: 280619
Amount: 24.934465



Manual Integration Results

RT: 10.34
Response: 203422
Amount: 18.075108



Reviewer: rouleauc, 20-Dec-2010 10:15:24
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49627.D
Lims ID: BFB Client ID:
Inject. Date: 19-Oct-2010 15:27:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 64639 Lims Sample ID: 4
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\WES1SOIL.m
Last Update: 21-Oct-2010 08:41:14 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 20-Oct-2010 15:22:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 37 Dibromofluoromethane	113	5.770	5.772	-0.002	47	73331	19.7	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.217	6.219	-0.002	0	13988	20.0	
* 46 Fluorobenzene	96	6.436	6.438	-0.002	83	304318	20.0	A
$ 60 Toluene-d8 (Surr)	98	7.658	7.660	-0.002	48	247811	18.4	A
* 72 Chlorobenzene-d5	117	8.854	8.848	0.006	74	181536	20.0	
$ 82 4-Bromofluorobenzene	95	9.781	9.775	0.006	77	94769	20.6	
$ 81 BFB	95	9.781	9.781	0.0	77	95206	0	
* 96 1,4-Dichlorobenzene-d4	115	10.691	10.693	-0.002	88	57711	20.0	

QC Flag Legend

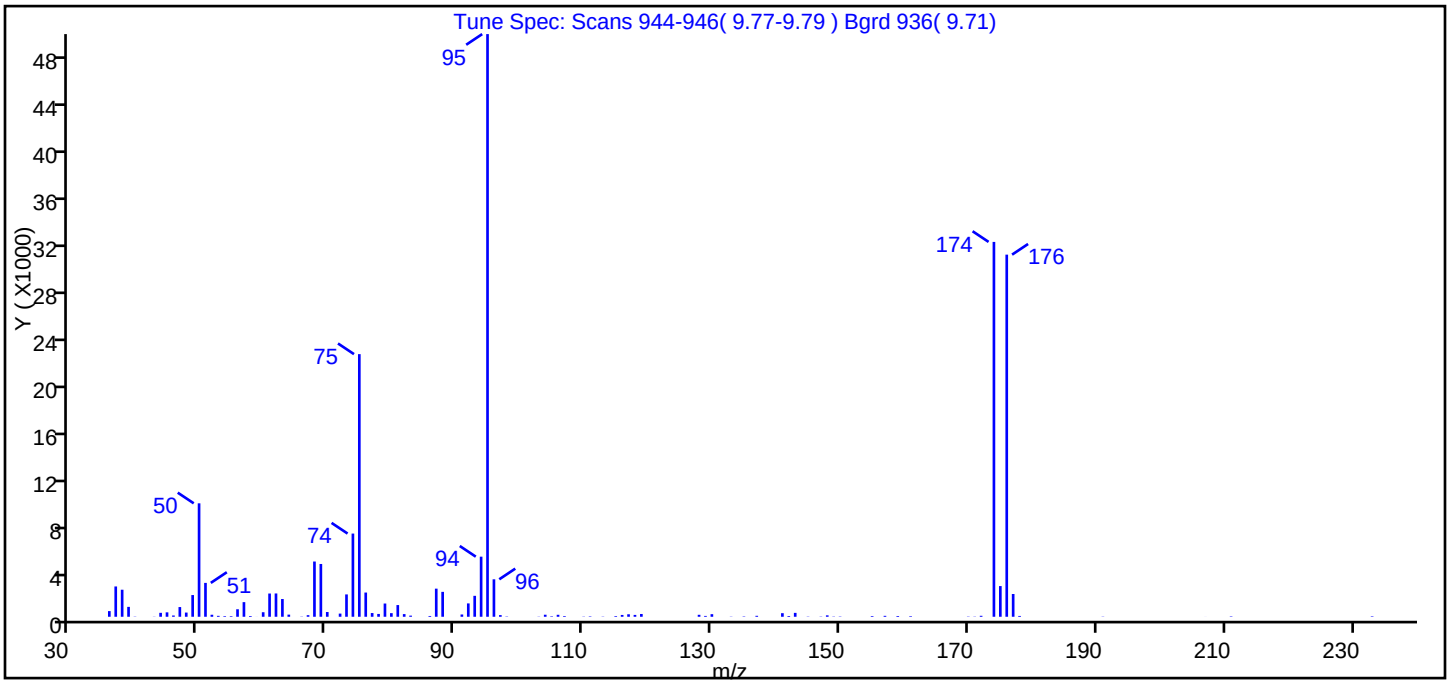
Review Flags
A - User Assigned ID

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49627.D
Injection Date: 19-Oct-2010 15:27:30
Client ID:
Lims Batch ID: 64639
Operator ID: CR
Tune Method: BFB Method 8260

Limit Group: VMS - 8260C VOA Calibration MCP
Instrument ID: HP #1 GC/MS
Lims Sample ID: 4

$ 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	19.47
75	30.00 - 60.00% of mass 95	45.08
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	64.33
175	5.00 - 9.00% of mass 174	5.27 (8.19)
176	95.00 - 101.00% of mass 174	62.15 (96.60)
177	5.00 - 9.00% of mass 176	3.91 (6.29)

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49627.D\WES1SOIL.rslt\spectra.d
Injection Date: 19-Oct-2010 15:27:30
Spectrum: Tune Spec: Scans 944-946(9.77-9.79) Bgrd 936(9.71)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	477	63.00	1494	94.00	5060	142.00	64
37.00	2552	64.00	180	95.00	49056	143.00	328
38.00	2277	66.00	18	96.00	3154	145.00	20
39.00	833	67.00	134	97.00	139	147.00	20
40.00	19	68.00	4651	98.00	25	148.00	119
43.00	13	69.00	4444	103.00	16	149.00	22
44.00	332	70.00	399	104.00	172	150.00	25
45.00	372	72.00	267	105.00	41	155.00	58
46.00	107	73.00	1882	106.00	167	157.00	79
47.00	818	74.00	7005	107.00	59	159.00	64
48.00	354	75.00	22112	110.00	19	161.00	49
49.00	1828	76.00	2039	111.00	36	170.00	22
50.00	9551	77.00	314	113.00	19	171.00	19
51.00	2852	78.00	238	115.00	58	172.00	82
52.00	170	79.00	1115	116.00	153	174.00	31560
53.00	78	80.00	304	117.00	210	175.00	2584
54.00	54	81.00	985	118.00	156	176.00	30488
55.00	52	82.00	225	119.00	234	177.00	1917
56.00	632	83.00	96	128.00	166	178.00	70
57.00	1231	86.00	66	129.00	72	191.00	18
58.00	62	87.00	2367	130.00	219	207.00	3
59.00	3	88.00	2097	133.00	17	211.00	35
60.00	382	91.00	192	135.00	31	233.00	41
61.00	1957	92.00	1125	137.00	81		
62.00	1962	93.00	1763	141.00	302		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50602.D
Lims ID: BFB Client ID:
Inject. Date: 17-Dec-2010 15:11:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 67368 Lims Sample ID: 1
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 09:53:16 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 20-Dec-2010 09:49:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.062	2.062	0.0	87	72166	15.9	
2 Chloromethane	50	2.205	2.205	0.0	87	104487	16.1	
3 Vinyl chloride	62	2.323	2.323	0.0	99	80691	16.7	
4 Bromomethane	94	2.728	2.728	0.0	90	48351	17.5	
5 Chloroethane	64	2.888	2.888	0.0	100	42793	15.6	
6 Trichlorofluoromethane	101	3.039	3.039	0.0	99	90664	19.2	
7 Dichlorofluoromethane	67	3.115	3.115	0.0	0	103479	0	
8 Ethyl ether	59	3.377	3.377	0.0	93	36039	16.1	
9 1,1-Dichloroethene	96	3.587	3.587	0.0	99	63841	19.2	
11 Ethanol	45	3.604	3.604	0.0	5	12231	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.604	3.604	0.0	84	56036	0	
10 Carbon disulfide	76	3.613	3.613	0.0	99	187509	15.2	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.663	3.663	0.0	88	41702	20.2	
14 Acrolein	56	3.933	3.933	0.0	99	229808	0	
15 Isopropyl alcohol	45	4.084	4.084	0.0	99	68168	0	
16 Methylene Chloride	84	4.177	4.177	0.0	94	66679	18.5	
17 Acetone	43	4.228	4.228	0.0	100	61164	137.3	
18 trans-1,2-Dichloroethene	61	4.337	4.337	0.0	98	99598	16.9	
19 Methyl acetate	43	4.346	4.346	0.0	98	166682	128.6	
20 Hexane	57	4.421	4.421	0.0	69	133440	0	
21 Methyl tert-butyl ether	73	4.447	4.447	0.0	63	99663	15.4	
22 2-Methyl-2-propanol	59	4.523	4.523	0.0	21	20938	0	
23 Isopropyl ether	45	4.792	4.792	0.0	97	210660	15.5	
24 1,1-Dichloroethane	63	4.919	4.919	0.0	97	118302	16.9	
25 Acrylonitrile	53	4.961	4.961	0.0	99	9040	0	
26 Tert-butyl ethyl ether	59	5.121	5.121	0.0	49	155550	15.5	
27 Vinyl acetate	43	5.138	5.138	0.0	97	611706	0	
28 cis-1,2-Dichloroethene	61	5.399	5.399	0.0	64	87672	16.1	
29 2,2-Dichloropropane	77	5.500	5.500	0.0	89	77601	17.6	
31 Chlorobromomethane	130	5.576	5.576	0.0	53	29135	17.8	
30 Cyclohexane	56	5.584	5.584	0.0	80	125890	16.8	

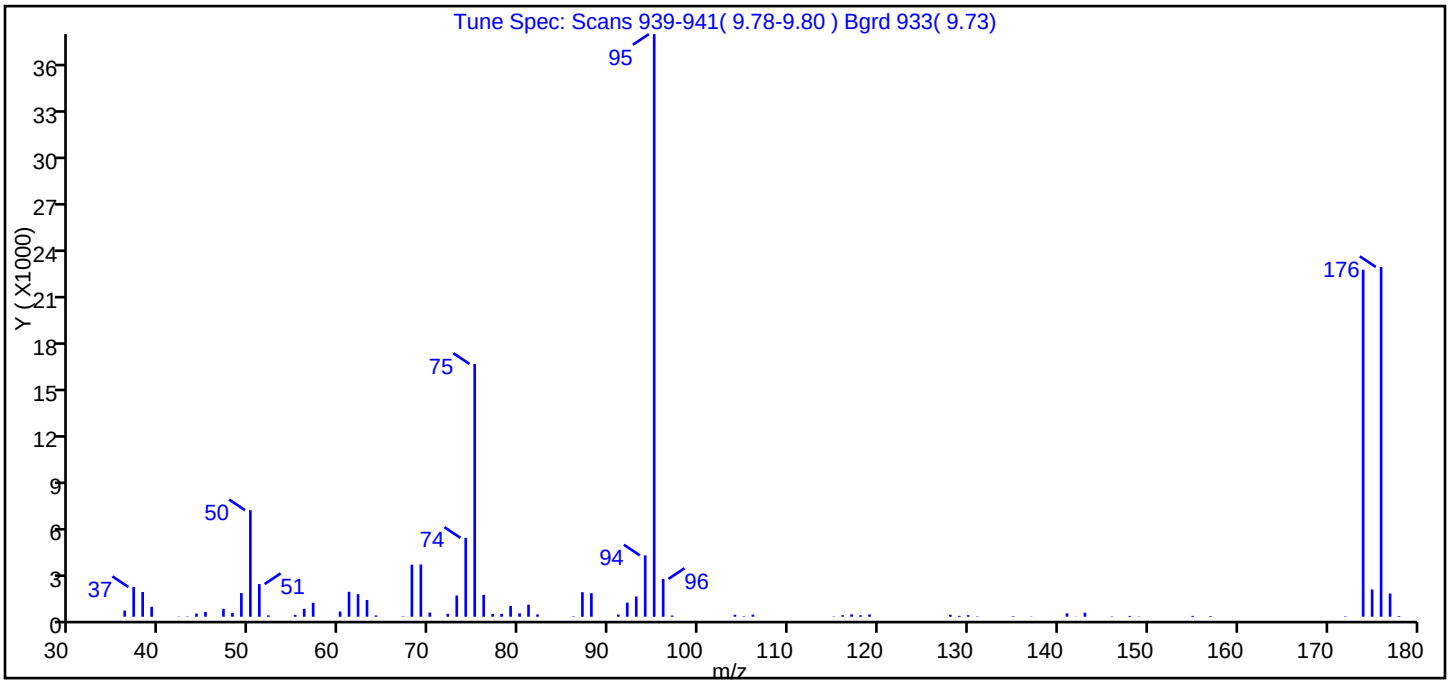
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
32 Chloroform	83	5.627	5.627	0.0	94	105539	16.7	
34 Ethyl acetate	43	5.719	5.719	0.0	98	226919	0	
36 sec-Butyl Alcohol	45	5.744	5.744	0.0	75	113963	0	
33 Carbon tetrachloride	117	5.761	5.761	0.0	87	71675	18.0	
35 Tetrahydrofuran	42	5.770	5.770	0.0	62	63171	138.9	
$ 37 Dibromofluoromethane	113	5.787	5.787	0.0	83	56533	20.8	
38 1,1,1-Trichloroethane	97	5.820	5.820	0.0	65	89888	18.5	
39 2-Butanone (MEK)	43	5.888	5.888	0.0	100	95025	136.5	
40 1,1-Dichloropropene	75	5.913	5.913	0.0	94	86676	17.9	
41 n-Heptane	43	6.073	6.073	0.0	94	104726	0	
42 Benzene	78	6.124	6.124	0.0	96	239667	17.7	
43 Tert-amyl methyl ether	73	6.200	6.200	0.0	98	116076	15.6	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.233	6.233	0.0	0	11892	20.0	
45 1,2-Dichloroethane	62	6.284	6.284	0.0	96	47448	16.6	
* 46 Fluorobenzene	96	6.452	6.452	0.0	63	222447	20.0	
48 Isopropyl acetate	43	6.452	6.452	0.0	98	439670	0	
47 2,4,4-Trimethyl-1-pentene	55	6.478	6.478	0.0	98	49647	16.0	
50 Trichloroethene	95	6.587	6.587	0.0	57	60726	17.8	
49 Methylcyclohexane	83	6.587	6.587	0.0	90	105226	16.9	
51 2,4,4-Trimethyl-2-pentene	112	6.604	6.604	0.0	92	37195	19.4	
52 Dibromomethane	93	6.924	6.924	0.0	91	21701	17.8	
53 1,2-Dichloropropane	63	7.000	7.000	0.0	88	48133	16.6	
54 Dichlorobromomethane	83	7.042	7.042	0.0	99	58083	16.5	
55 Methyl methacrylate	69	7.143	7.143	0.0	90	14815	0	
56 1,4-Dioxane	88	7.202	7.202	0.0	61	1784	147.9	
57 n-Propyl acetate	43	7.244	7.244	0.0	98	281544	0	
58 2-Chloroethyl vinyl ether	63	7.464	7.464	0.0	92	137834	0	
59 cis-1,3-Dichloropropene	75	7.531	7.531	0.0	94	70729	17.7	
$ 60 Toluene-d8 (Surr)	98	7.674	7.674	0.0	92	208239	21.1	
61 Toluene	92	7.716	7.716	0.0	99	143439	19.5	
63 4-Methyl-2-pentanone (MIBK)	43	7.986	7.986	0.0	96	204368	151.2	
62 Tetrachloroethene	164	8.011	8.011	0.0	86	39202	19.4	
64 trans-1,3-Dichloropropene	75	8.020	8.020	0.0	93	47291	17.1	
65 Isobutyl acetate	43	8.062	8.062	0.0	99	568436	0	
66 1,1,2-Trichloroethane	83	8.146	8.146	0.0	85	22170	16.3	
67 Chlorodibromomethane	129	8.289	8.289	0.0	89	32937	17.5	
68 1,3-Dichloropropane	76	8.365	8.365	0.0	91	48195	17.1	
69 Ethylene Dibromide	107	8.483	8.483	0.0	97	24989	17.7	
70 n-Butyl acetate	43	8.534	8.534	0.0	99	330982	0	
71 2-Hexanone	43	8.618	8.618	0.0	95	125793	158.7	
* 72 Chlorobenzene-d5	117	8.862	8.862	0.0	87	137816	20.0	
73 Chlorobenzene	112	8.879	8.879	0.0	76	129060	18.9	
74 Ethylbenzene	91	8.888	8.888	0.0	95	254374	18.7	
75 1,1,1,2-Tetrachloroethane	131	8.921	8.921	0.0	58	45908	17.3	
76 m-Xylene & p-Xylene	91	8.997	8.997	0.0	100	389163	37.5	
77 o-Xylene	91	9.326	9.326	0.0	98	211904	18.3	
78 Styrene	104	9.368	9.368	0.0	94	146675	18.1	
79 Bromoform	173	9.402	9.402	0.0	83	14915	16.8	
80 Isopropylbenzene	105	9.562	9.562	0.0	96	264379	18.5	
$ 82 4-Bromofluorobenzene	95	9.789	9.789	0.0	74	71618	20.5	
$ 81 BFB	95	9.789	9.789	0.0	0	71575	0	
83 Bromobenzene	77	9.882	9.882	0.0	42	88800	16.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.882	9.882	0.0	100	308379	18.2	
85 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.0	85	27962	15.6	
86 2-Chlorotoluene	91	10.017	10.017	0.0	93	195717	17.4	
87 1,3,5-Trimethylbenzene	105	10.025	10.025	0.0	93	202910	17.6	
88 1,2,3-Trichloropropane	110	10.051	10.051	0.0	61	7492	16.5	
89 trans-1,4-Dichloro-2-butene	53	10.067	10.067	0.0	3	7465	0	
90 4-Chlorotoluene	91	10.152	10.152	0.0	98	179697	17.8	
91 tert-Butylbenzene	119	10.295	10.295	0.0	91	184177	18.9	
92 1,2,4-Trimethylbenzene	105	10.438	10.438	0.0	63	290090	24.6	
93 sec-Butylbenzene	105	10.438	10.438	0.0	94	290090	18.3	
94 4-Isopropyltoluene	119	10.556	10.556	0.0	98	221415	18.2	
95 1,3-Dichlorobenzene	146	10.640	10.640	0.0	96	100514	17.7	
* 96 1,4-Dichlorobenzene-d4	115	10.708	10.708	0.0	96	37973	20.0	
97 1,4-Dichlorobenzene	146	10.725	10.725	0.0	94	95323	18.4	
98 n-Butylbenzene	91	10.935	10.935	0.0	97	230960	19.5	
99 1,2-Dichlorobenzene	146	11.129	11.129	0.0	97	84753	18.7	
100 1,2-Dibromo-3-Chloropropane	157	12.006	12.006	0.0	74	3975	15.7	
101 1,3,5-Trichlorobenzene	180	12.039	12.039	0.0	97	70835	0	
102 Hexachlorobutadiene	225	12.882	12.882	0.0	85	32957	18.7	
103 1,2,4-Trichlorobenzene	180	12.941	12.941	0.0	93	50405	18.1	
104 Naphthalene	128	13.480	13.480	0.0	98	69516	16.4	
105 1,2,3-Trichlorobenzene	180	13.809	13.809	0.0	97	37235	17.7	

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50602.D
Injection Date: 17-Dec-2010 15:11:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 1
Operator ID: CR
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	18.30
75	30.00 - 60.00% of mass 95	43.40
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	59.56
175	5.00 - 9.00% of mass 174	4.68 (7.86)
176	95.00 - 101.00% of mass 174	60.03 (100.79)
177	5.00 - 9.00% of mass 176	3.99 (6.64)

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50602.D\WES1SOIL.rslt\spectra.d
Injection Date: 17-Dec-2010 15:11:30
Spectrum: Tune Spec: Scans 939-941(9.78-9.80) Bgrd 933(9.73)
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	396	62.00	1447	87.00	1571	130.00	100
37.00	1902	63.00	1070	88.00	1509	131.00	24
38.00	1584	64.00	85	91.00	137	135.00	36
39.00	634	67.00	29	92.00	901	137.00	18
42.00	18	68.00	3327	93.00	1298	141.00	222
43.00	23	69.00	3341	94.00	3920	142.00	16
44.00	204	70.00	266	95.00	37232	143.00	258
45.00	309	72.00	185	96.00	2418	146.00	24
47.00	508	73.00	1357	97.00	81	148.00	54
48.00	246	74.00	5043	104.00	125	149.00	19
49.00	1515	75.00	16159	105.00	29	155.00	57
50.00	6812	76.00	1400	106.00	136	157.00	42
51.00	2090	77.00	183	115.00	19	172.00	29
52.00	91	78.00	184	116.00	100	174.00	22176
55.00	118	79.00	696	117.00	154	175.00	1744
56.00	510	80.00	221	118.00	98	176.00	22352
57.00	895	81.00	772	119.00	141	177.00	1484
60.00	338	82.00	150	128.00	128	178.00	44
61.00	1595	86.00	31	129.00	59		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-67366/3-A

Matrix: Solid Lab File ID: V50608.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 17:36

Soil Aliquot Vol: 5 (mL) Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67368 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
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
123-91-1	1,4-Dioxane	ND		250	100
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	24.2	J	250	17
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
74-97-5	Chlorobromomethane	ND		2.5	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67366/3-A

Matrix: Solid | Lab File ID: V50608.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 17:36

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | 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
60-29-7	Ethyl ether	ND		2.5	1.1
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
108-20-3	Isopropyl ether	ND		2.5	1.1
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
994-05-8	Tert-amyl methyl ether	ND		2.5	1.5
637-92-3	Tert-butyl ethyl ether	ND		2.5	1.4
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		25	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
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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-67366/3-A

Matrix: Solid Lab File ID: V50608.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2010 17:36

Soil Aliquot Vol: 5 (mL) Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67368 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.6
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.1
110-82-7	Cyclohexane	ND		25	1.0
79-20-9	Methyl acetate	ND		50	14
108-87-2	Methylcyclohexane	ND		2.5	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
1868-53-7	Dibromofluoromethane	97		70-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67366/3-A

Matrix: Solid | Lab File ID: V50608.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 17:36

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50608.D
Lims ID: MB 360-67366/3-A
Client ID:
Inject. Date: 17-Dec-2010 17:36:30
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 8
Lims Batch ID: 67368
Lims Sample ID: 7
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 10:15:24
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:40:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85		2.016					
2 Chloromethane	50		2.202					
3 Vinyl chloride	62		2.328					
4 Bromomethane	94		2.724					
5 Chloroethane	64		2.893					
6 Trichlorofluoromethane	101		3.036					
7 Dichlorofluoromethane	67		3.120					
8 Ethyl ether	59		3.373					
9 1,1-Dichloroethene	96		3.592					
11 Ethanol	45		3.592					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		3.600					
10 Carbon disulfide	76		3.617					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.668					
14 Acrolein	56		3.937					
15 Isopropyl alcohol	45		4.089					U
16 Methylene Chloride	84	4.183	4.182	0.001	92	1184	0.3544	
17 Acetone	43	4.234	4.234	0.010	100	2000	4.84	A
18 trans-1,2-Dichloroethene	61		4.334					
19 Methyl acetate	43		4.350					
20 Hexane	57		4.418					
21 Methyl tert-butyl ether	73		4.443					
22 2-Methyl-2-propanol	59		4.519					
23 Isopropyl ether	45		4.797					
24 1,1-Dichloroethane	63		4.915					
25 Acrylonitrile	53		4.957					
26 Tert-butyl ethyl ether	59		5.126					
27 Vinyl acetate	43		5.134					
28 cis-1,2-Dichloroethene	61		5.395					
29 2,2-Dichloropropane	77		5.496					
31 Chlorobromomethane	130		5.572					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56		5.581					
32 Chloroform	83		5.623					
34 Ethyl acetate	43		5.724					
36 sec-Butyl Alcohol	45		5.741					
33 Carbon tetrachloride	117		5.758					
35 Tetrahydrofuran	42		5.766					
$ 37 Dibromofluoromethane	113	5.784	5.783	0.001	80	48995	19.4	
38 1,1,1-Trichloroethane	97		5.817					
39 2-Butanone (MEK)	43		5.884					
40 1,1-Dichloropropene	75		5.918					
41 n-Heptane	43		6.078					
42 Benzene	78		6.120					
43 Tert-amyl methyl ether	73		6.196					
* 44 1,2-Dichloroethane-d4 ISTD	102	6.231	6.230	0.001	0	9173	20.0	
45 1,2-Dichloroethane	62		6.280					
* 46 Fluorobenzene	96	6.450	6.449	0.001	99	206260	20.0	
48 Isopropyl acetate	43		6.457					
47 2,4,4-Trimethyl-1-pentene	55		6.474					
50 Trichloroethene	95		6.583					
49 Methylcyclohexane	83		6.583					
51 2,4,4-Trimethyl-2-pentene	112		6.609					
52 Dibromomethane	93		6.921					
53 1,2-Dichloropropane	63		7.005					
54 Dichlorobromomethane	83		7.039					
55 Methyl methacrylate	69		7.140					
56 1,4-Dioxane	88		7.199					
57 n-Propyl acetate	43		7.249					
58 2-Chloroethyl vinyl ether	63		7.468					
59 cis-1,3-Dichloropropene	75		7.527					
$ 60 Toluene-d8 (Surr)	98	7.672	7.671	0.001	80	184464	20.2	
61 Toluene	92		7.713					
63 4-Methyl-2-pentanone (MIBK)	43		7.991					
62 Tetrachloroethene	164		8.016					
64 trans-1,3-Dichloropropene	75		8.016					
65 Isobutyl acetate	43		8.067					U
66 1,1,2-Trichloroethane	83		8.142					
67 Chlorodibromomethane	129		8.286					
68 1,3-Dichloropropane	76		8.362					
69 Ethylene Dibromide	107		8.488					
70 n-Butyl acetate	43		8.530					
71 2-Hexanone	43		8.614					
* 72 Chlorobenzene-d5	117	8.860	8.867	-0.007	87	132908	20.0	
73 Chlorobenzene	112		8.876					
74 Ethylbenzene	91		8.884					
75 1,1,1,2-Tetrachloroethane	131		8.918					
76 m-Xylene & p-Xylene	91		8.994					
77 o-Xylene	91		9.322					
78 Styrene	104		9.364					
79 Bromoform	173		9.398					
80 Isopropylbenzene	105		9.567					
$ 82 4-Bromofluorobenzene	95	9.787	9.794	-0.007	74	68125	20.2	
$ 124 BFB (tune)	95	9.787	9.830	-0.043	94	68125	0	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	83 Bromobenzene	77		9.878					
	84 N-Propylbenzene	91		9.878					
	85 1,1,2,2-Tetrachloroethane	83		9.929					
	86 2-Chlorotoluene	91		10.013					
	87 1,3,5-Trimethylbenzene	105		10.030					
	88 1,2,3-Trichloropropane	110		10.047					
	89 trans-1,4-Dichloro-2-butene	53		10.064					
	90 4-Chlorotoluene	91		10.148					
	91 tert-Butylbenzene	119		10.291					
	92 1,2,4-Trimethylbenzene	105		10.342					
	93 sec-Butylbenzene	105		10.435					
	94 4-Isopropyltoluene	119		10.553					
	95 1,3-Dichlorobenzene	146		10.645					
*	96 1,4-Dichlorobenzene-d4	115	10.706	10.704	0.002	96	36912	20.0	
	97 1,4-Dichlorobenzene	146		10.721					
	98 n-Butylbenzene	91		10.932					
	99 1,2-Dichlorobenzene	146		11.126					
	100 1,2-Dibromo-3-Chloropropane	157		12.002					
	101 1,3,5-Trichlorobenzene	180		12.036					
	102 Hexachlorobutadiene	225		12.878					
	103 1,2,4-Trichlorobenzene	180		12.937					
	104 Naphthalene	128		13.477					
	105 1,2,3-Trichlorobenzene	180		13.805					

QC Flag Legend

Review Flags
U - Marked Undetected
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

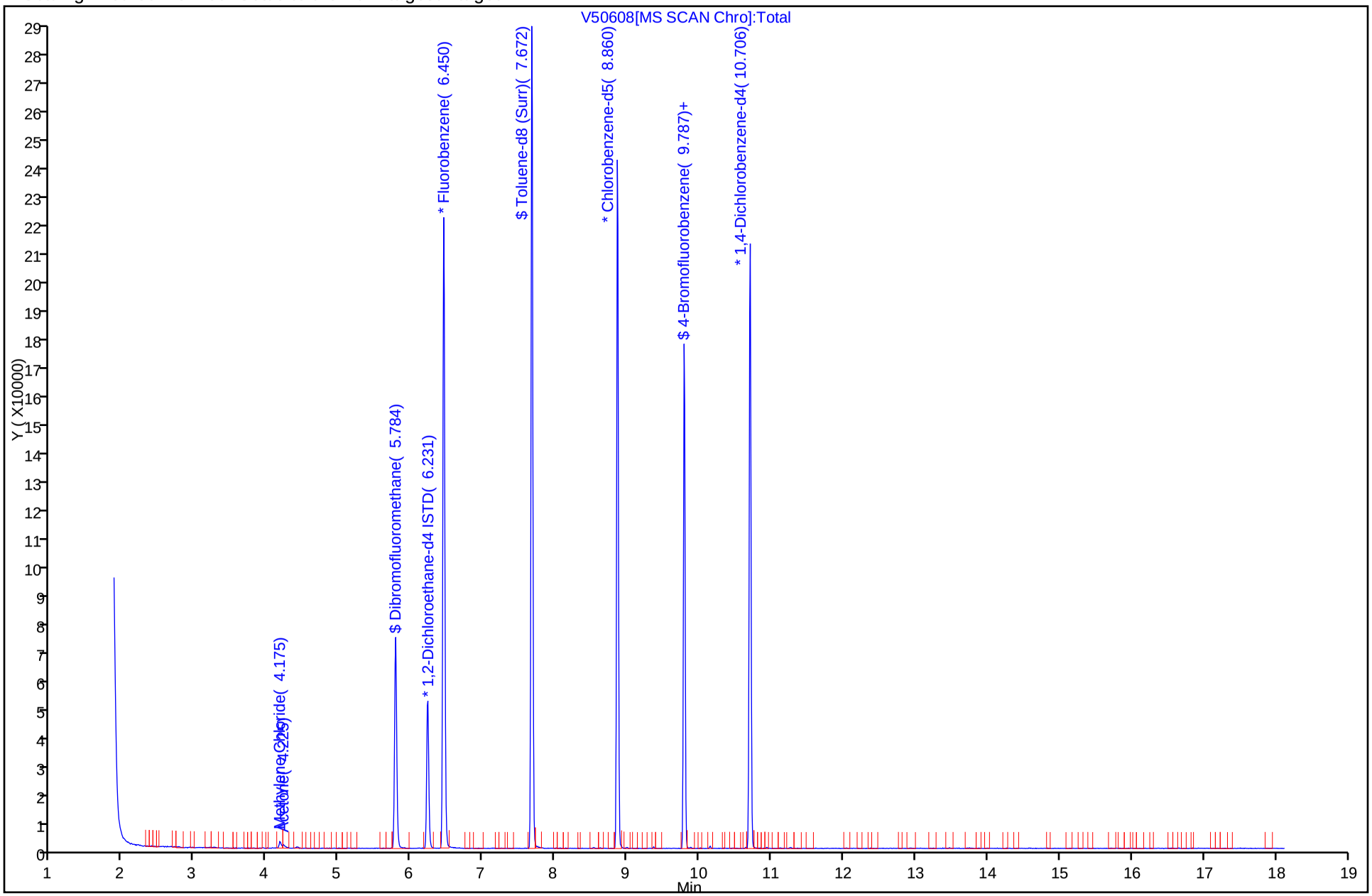
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50608.D		
Lims ID:	MB 360-67366/3-A	Client ID:	
Inject. Date:	17-Dec-2010 17:36:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:			
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	67368	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m		
Last Update:	20-Dec-2010 10:15:24	Calib Date:	19-Oct-2010 18:32:30
Tic RT Window:	1.000 -17.000	Response:	area
Quant Cpnd:	Fluorobenzene	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:40:42

Calibrated Tentative Identified Compound Results

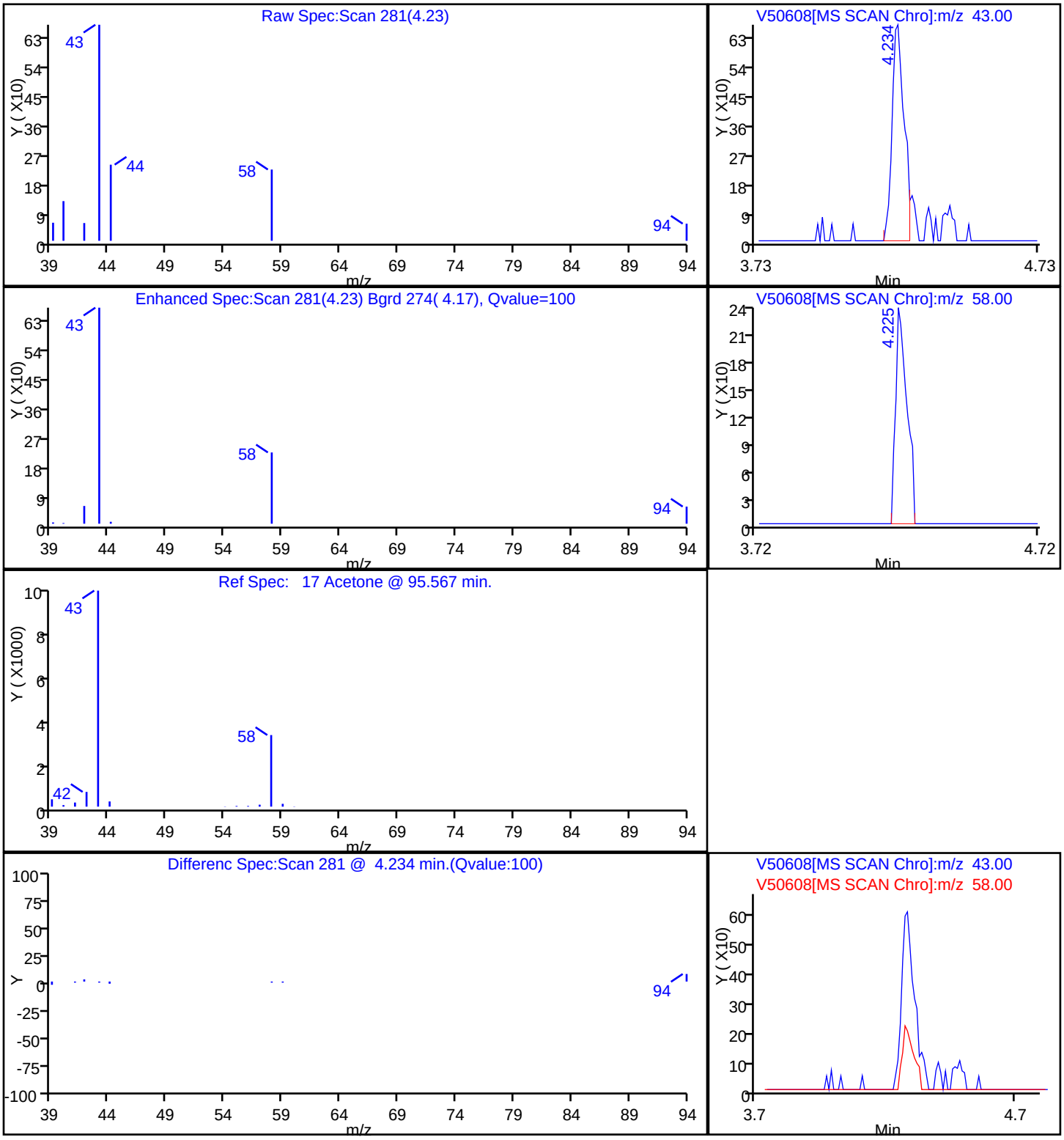
Compound	RT	Response	Amount ug/L	Flags
BFB	9.787	68026		

Report Date: 20-Dec-2010 10:40:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50608.D
Injection Date: 17-Dec-2010 17:36:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 7
Operator ID: CR
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:40:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50608.D
Injection Date: 17-Dec-2010 17:36:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 7
Operator ID: CR

17 Acetone



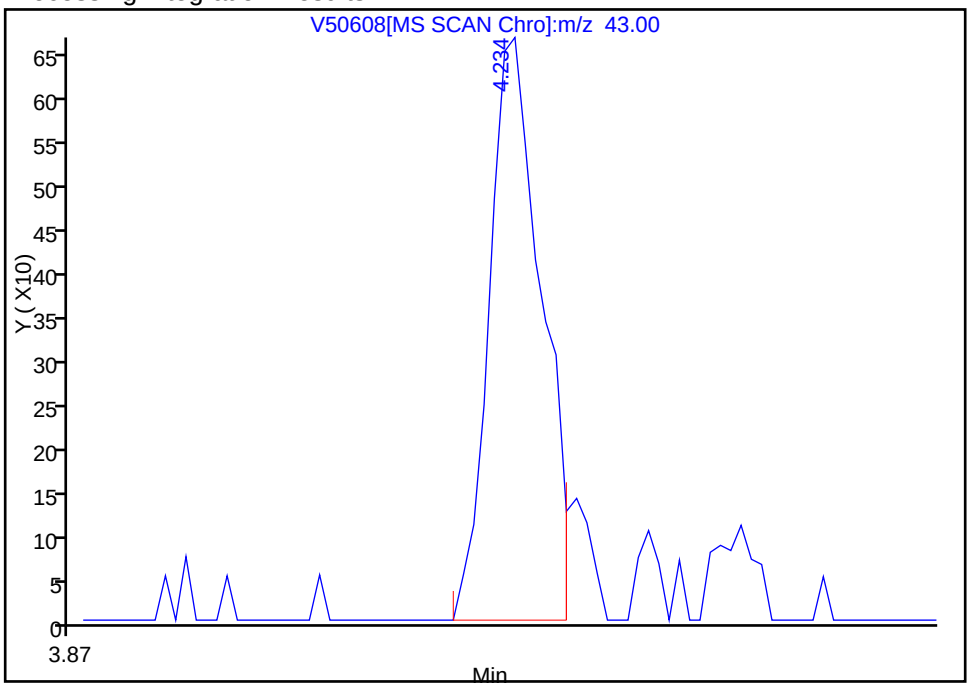
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50608.D
Injection Date: 17-Dec-2010 17:36:30 Limit Group: VMS - 8260C VOA Calibration MCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 67368 Lims Sample ID: 7
Operator ID: CR

17 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 4.22

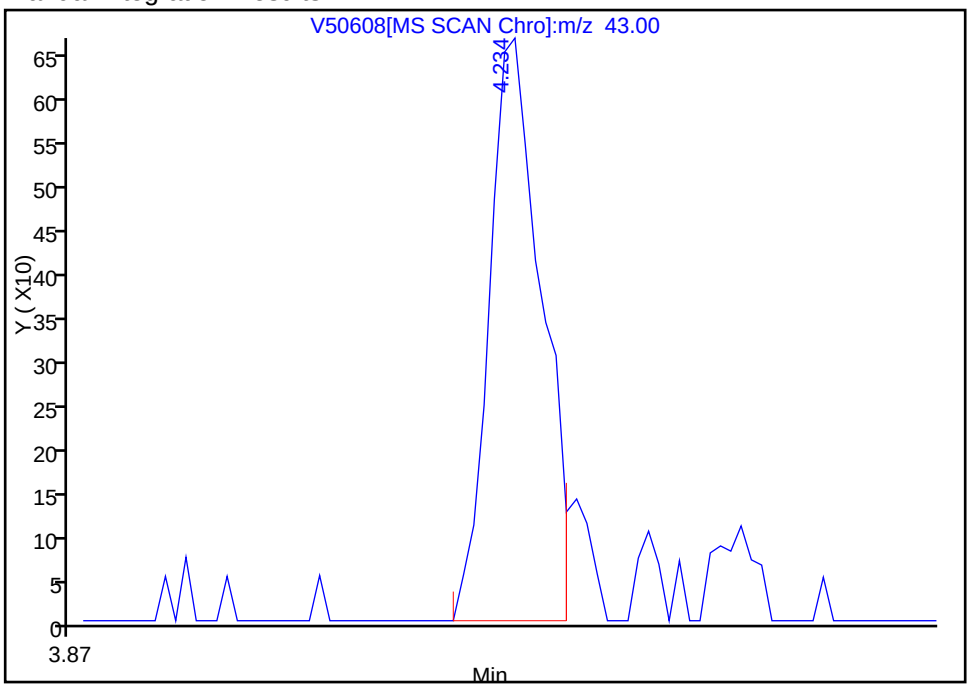
Processing Integration Results

RT: 4.23
Response: 2000
Amount: 4.841117



Manual Integration Results

RT: 4.23
Response: 2000
Amount: 4.841117



Reviewer: rouleauc, 20-Dec-2010 10:40:42
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67366/1-A

Matrix: Solid | Lab File ID: V50604.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 15:59

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	85.5		2.5	1.2
71-55-6	1,1,1-Trichloroethane	96.5		2.5	2.0
79-34-5	1,1,2,2-Tetrachloroethane	74.0		2.5	1.0
79-00-5	1,1,2-Trichloroethane	85.2		2.5	1.0
75-34-3	1,1-Dichloroethane	89.2		2.5	1.9
75-35-4	1,1-Dichloroethene	95.1		2.5	1.6
563-58-6	1,1-Dichloropropene	94.6		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	91.1		2.5	1.1
96-18-4	1,2,3-Trichloropropane	79.2		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	93.1		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	87.6		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	78.9		25	2.8
95-50-1	1,2-Dichlorobenzene	92.4		2.5	1.0
107-06-2	1,2-Dichloroethane	89.4		2.5	1.0
78-87-5	1,2-Dichloropropane	88.6		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	87.3		2.5	1.5
541-73-1	1,3-Dichlorobenzene	87.7		2.5	1.0
142-28-9	1,3-Dichloropropane	90.0		2.5	1.1
106-46-7	1,4-Dichlorobenzene	91.1		2.5	1.0
123-91-1	1,4-Dioxane	868		250	100
594-20-7	2,2-Dichloropropane	83.7		2.5	2.1
78-93-3	2-Butanone (MEK)	711		25	11
95-49-8	2-Chlorotoluene	86.4		2.5	1.3
591-78-6	2-Hexanone	881		25	14
106-43-4	4-Chlorotoluene	88.2		2.5	1.2
99-87-6	4-Isopropyltoluene	92.3		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	792		25	10
67-64-1	Acetone	716		250	17
71-43-2	Benzene	89.5		2.5	1.6
108-86-1	Bromobenzene	80.9		2.5	1.0
75-25-2	Bromoform	80.2		2.5	1.6
74-83-9	Bromomethane	88.7		5.0	2.3
75-15-0	Carbon disulfide	89.6		2.5	1.9
56-23-5	Carbon tetrachloride	94.4		2.5	1.7
108-90-7	Chlorobenzene	96.4		2.5	1.2
74-97-5	Chlorobromomethane	94.6		2.5	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67366/1-A

Matrix: Solid | Lab File ID: V50604.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 15:59

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	90.8		2.5	1.2
75-00-3	Chloroethane	78.2		5.0	2.0
67-66-3	Chloroform	90.5		2.5	1.5
74-87-3	Chloromethane	81.5		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	84.6		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	92.2		2.5	1.0
74-95-3	Dibromomethane	94.8		2.5	1.3
75-27-4	Dichlorobromomethane	87.9		2.5	1.3
75-71-8	Dichlorodifluoromethane	69.8		5.0	2.1
60-29-7	Ethyl ether	81.7		2.5	1.1
100-41-4	Ethylbenzene	92.4		2.5	1.8
106-93-4	Ethylene Dibromide	91.8		2.5	1.1
87-68-3	Hexachlorobutadiene	94.1		2.5	1.5
108-20-3	Isopropyl ether	79.6		2.5	1.1
98-82-8	Isopropylbenzene	90.0		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	186		5.0	3.5
1634-04-4	Methyl tert-butyl ether	81.7		2.5	1.5
75-09-2	Methylene Chloride	91.9		10	9.8
104-51-8	n-Butylbenzene	95.5		2.5	1.2
103-65-1	N-Propylbenzene	90.5		2.5	1.7
91-20-3	Naphthalene	80.9		25	2.3
95-47-6	o-Xylene	89.8		2.5	1.3
135-98-8	sec-Butylbenzene	88.5		2.5	1.4
100-42-5	Styrene	89.1		2.5	1.0
994-05-8	Tert-amyl methyl ether	80.9		2.5	1.5
637-92-3	Tert-butyl ethyl ether	82.2		2.5	1.4
98-06-6	tert-Butylbenzene	91.3		2.5	1.4
127-18-4	Tetrachloroethene	104		2.5	1.8
109-99-9	Tetrahydrofuran	757		25	12
108-88-3	Toluene	101		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	87.0		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	91.1		2.5	1.0
79-01-6	Trichloroethene	97.1		2.5	2.1
75-69-4	Trichlorofluoromethane	86.9		5.0	1.4
75-01-4	Vinyl chloride	86.2		2.5	1.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	107		12	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67366/1-A

Matrix: Solid | Lab File ID: V50604.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 15:59

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	90.5		5.0	1.6
107-40-4	2,4,4-Trimethyl-2-pentene	109		5.0	1.1
110-82-7	Cyclohexane	89.7		25	1.0
79-20-9	Methyl acetate	698		50	14
108-87-2	Methylcyclohexane	90.8		2.5	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	109		70-130
1868-53-7	Dibromofluoromethane	100		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50604.D
Lims ID: LCS 360-67366/1-A Client ID:
Inject. Date: 17-Dec-2010 15:59:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67368 Lims Sample ID: 3
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 10:15:24 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:17:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.026	2.016	0.010	99	53249	14.0	
2 Chloromethane	50	2.203	2.202	0.001	99	89317	16.3	
3 Vinyl chloride	62	2.321	2.328	-0.007	81	70323	17.2	
4 Bromomethane	94	2.734	2.724	0.010	90	41237	17.7	
5 Chloroethane	64	2.903	2.893	0.010	100	36205	15.6	
6 Trichlorofluoromethane	101	3.037	3.036	0.001	84	69365	17.4	
7 Dichlorofluoromethane	67	3.122	3.120	0.002	0	95378	0	
8 Ethyl ether	59	3.374	3.373	0.001	93	30760	16.3	
9 1,1-Dichloroethene	96	3.585	3.592	-0.007	99	53286	19.0	
11 Ethanol	45	3.568	3.592	-0.024	9	11603	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.594	3.600	-0.006	88	49421	0	
10 Carbon disulfide	76	3.610	3.617	-0.007	99	186677	17.9	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.669	3.668	0.001	94	37283	21.4	
14 Acrolein	56	3.931	3.937	-0.006	99	111178	0	
15 Isopropyl alcohol	45	4.091	4.089	0.002	99	59505	0	
16 Methylene Chloride	84	4.175	4.182	-0.007	93	55812	18.4	
17 Acetone	43	4.226	4.224	0.002	100	53804	143.3	
18 trans-1,2-Dichloroethene	61	4.335	4.334	0.001	94	86253	17.4	
19 Methyl acetate	43	4.344	4.350	-0.006	98	152470	139.6	
20 Hexane	57	4.419	4.418	0.001	70	120024	0	
21 Methyl tert-butyl ether	73	4.436	4.443	-0.007	52	89259	16.3	
22 2-Methyl-2-propanol	59	4.520	4.519	0.001	21	19077	0	
23 Isopropyl ether	45	4.790	4.797	-0.007	97	182942	15.9	
24 1,1-Dichloroethane	63	4.917	4.915	0.002	97	105480	17.8	
25 Acrylonitrile	53	4.959	4.957	0.002	96	8474	0	
26 Tert-butyl ethyl ether	59	5.119	5.126	-0.007	52	139268	16.4	
27 Vinyl acetate	43	5.136	5.134	0.002	97	496108	0	
28 cis-1,2-Dichloroethene	61	5.397	5.395	0.002	64	77618	16.9	
29 2,2-Dichloropropane	77	5.498	5.496	0.002	90	62344	16.7	
31 Chlorobromomethane	130	5.574	5.572	0.002	53	26038	18.9	
30 Cyclohexane	56	5.582	5.581	0.001	85	113467	17.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
32 Chloroform	83	5.624	5.623	0.001	95	96105	18.1	
34 Ethyl acetate	43	5.717	5.724	-0.007	98	206935	0	
36 sec-Butyl Alcohol	45	5.742	5.741	0.001	76	100918	0	
33 Carbon tetrachloride	117	5.759	5.758	0.001	88	63355	18.9	
35 Tetrahydrofuran	42	5.768	5.766	0.002	59	57998	151.4	
$ 37 Dibromofluoromethane	113	5.785	5.783	0.002	83	46074	20.1	
38 1,1,1-Trichloroethane	97	5.818	5.817	0.001	68	79072	19.3	
39 2-Butanone (MEK)	43	5.886	5.884	0.002	100	83488	142.3	
40 1,1-Dichloropropene	75	5.911	5.918	-0.007	95	77114	18.9	
41 n-Heptane	43	6.071	6.078	-0.007	94	94895	0	
42 Benzene	78	6.122	6.120	0.002	97	204514	17.9	
43 Tert-amyl methyl ether	73	6.197	6.196	0.001	98	101582	16.2	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.231	6.230	0.001	0	9185	20.0	
45 1,2-Dichloroethane	62	6.282	6.280	0.002	97	42995	17.9	
* 46 Fluorobenzene	96	6.450	6.449	0.001	59	187488	20.0	
48 Isopropyl acetate	43	6.450	6.457	-0.007	99	401980	0	
47 2,4,4-Trimethyl-1-pentene	55	6.476	6.474	0.002	98	47446	18.1	
50 Trichloroethene	95	6.585	6.583	0.002	58	55720	19.4	
49 Methylcyclohexane	83	6.585	6.583	0.002	89	95484	18.2	
51 2,4,4-Trimethyl-2-pentene	112	6.602	6.609	-0.007	91	35041	21.7	
52 Dibromomethane	93	6.922	6.921	0.001	92	19449	19.0	
53 1,2-Dichloropropane	63	6.998	7.005	-0.007	82	43350	17.7	
54 Dichlorobromomethane	83	7.040	7.039	0.001	100	52241	17.6	
55 Methyl methacrylate	69	7.141	7.140	0.001	92	14269	0	
56 1,4-Dioxane	88	7.200	7.199	0.001	43	1618	173.7	
57 n-Propyl acetate	43	7.242	7.249	-0.007	98	256589	0	
58 2-Chloroethyl vinyl ether	63	7.461	7.468	-0.007	92	119522	0	
59 cis-1,3-Dichloropropene	75	7.529	7.527	0.002	94	62072	18.4	
$ 60 Toluene-d8 (Surr)	98	7.672	7.671	0.001	92	180460	21.7	
61 Toluene	92	7.714	7.713	0.001	99	125335	20.2	
63 4-Methyl-2-pentanone (MIBK)	43	7.984	7.991	-0.007	96	180511	158.4	
62 Tetrachloroethene	164	8.009	8.016	-0.007	85	35376	20.7	
64 trans-1,3-Dichloropropene	75	8.018	8.016	0.002	92	42382	18.2	
65 Isobutyl acetate	43	8.060	8.067	-0.007	99	510600	0	
66 1,1,2-Trichloroethane	83	8.144	8.142	0.002	91	19547	17.0	
67 Chlorodibromomethane	129	8.287	8.286	0.001	89	28773	18.2	
68 1,3-Dichloropropane	76	8.363	8.362	0.001	90	42805	18.0	
69 Ethylene Dibromide	107	8.490	8.488	0.002	98	21881	18.4	
70 n-Butyl acetate	43	8.532	8.530	0.002	99	299477	0	
71 2-Hexanone	43	8.616	8.614	0.002	96	117733	176.3	
* 72 Chlorobenzene-d5	117	8.860	8.867	-0.007	87	122344	20.0	
73 Chlorobenzene	112	8.877	8.876	0.001	77	116673	19.3	
74 Ethylbenzene	91	8.886	8.884	0.002	96	222995	18.5	
75 1,1,1,2-Tetrachloroethane	131	8.919	8.918	0.001	65	40156	17.1	
76 m-Xylene & p-Xylene	91	8.995	8.994	0.001	100	342761	37.2	
77 o-Xylene	91	9.324	9.322	0.002	98	184949	18.0	
78 Styrene	104	9.366	9.364	0.002	93	128055	17.8	
79 Bromoform	173	9.400	9.398	0.002	82	12784	16.0	
80 Isopropylbenzene	105	9.560	9.567	-0.007	96	228459	18.0	
$ 82 4-Bromofluorobenzene	95	9.787	9.794	-0.007	75	62938	20.3	
$ 81 BFB	95	9.787	9.794	-0.007	0	62912	0	
83 Bromobenzene	77	9.880	9.878	0.002	43	79738	16.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.880	9.878	0.002	100	272114	18.1	
85 1,1,2,2-Tetrachloroethane	83	9.922	9.929	-0.007	95	23801	14.8	
86 2-Chlorotoluene	91	10.015	10.013	0.002	93	172602	17.3	
87 1,3,5-Trimethylbenzene	105	10.023	10.030	-0.007	93	178423	17.5	
88 1,2,3-Trichloropropane	110	10.049	10.047	0.001	69	6371	15.8	
89 trans-1,4-Dichloro-2-butene	53	10.065	10.064	0.001	2	6695	0	
90 4-Chlorotoluene	91	10.150	10.148	0.002	98	158354	17.6	
91 tert-Butylbenzene	119	10.293	10.291	0.002	92	158423	18.3	
92 1,2,4-Trimethylbenzene	105	10.343	10.342	0.001	65	183458	17.5	A
93 sec-Butylbenzene	105	10.436	10.435	0.001	94	248480	17.7	A
94 4-Isopropyltoluene	119	10.554	10.553	0.001	98	199264	18.5	
95 1,3-Dichlorobenzene	146	10.647	10.645	0.002	98	88301	17.5	
* 96 1,4-Dichlorobenzene-d4	115	10.706	10.704	0.002	97	34119	20.0	
97 1,4-Dichlorobenzene	146	10.723	10.721	0.002	94	84658	18.2	
98 n-Butylbenzene	91	10.933	10.932	0.001	97	203832	19.1	
99 1,2-Dichlorobenzene	146	11.119	11.126	-0.007	95	75289	18.5	
100 1,2-Dibromo-3-Chloropropane	157	12.004	12.002	0.002	74	3595	15.8	
101 1,3,5-Trichlorobenzene	180	12.037	12.036	0.001	97	63629	0	
102 Hexachlorobutadiene	225	12.880	12.878	0.002	85	29850	18.8	
103 1,2,4-Trichlorobenzene	180	12.930	12.937	-0.007	92	46578	18.6	
104 Naphthalene	128	13.478	13.477	0.001	98	61609	16.2	
105 1,2,3-Trichlorobenzene	180	13.807	13.805	0.002	95	34395	18.2	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 20-Dec-2010 10:17:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50604.D

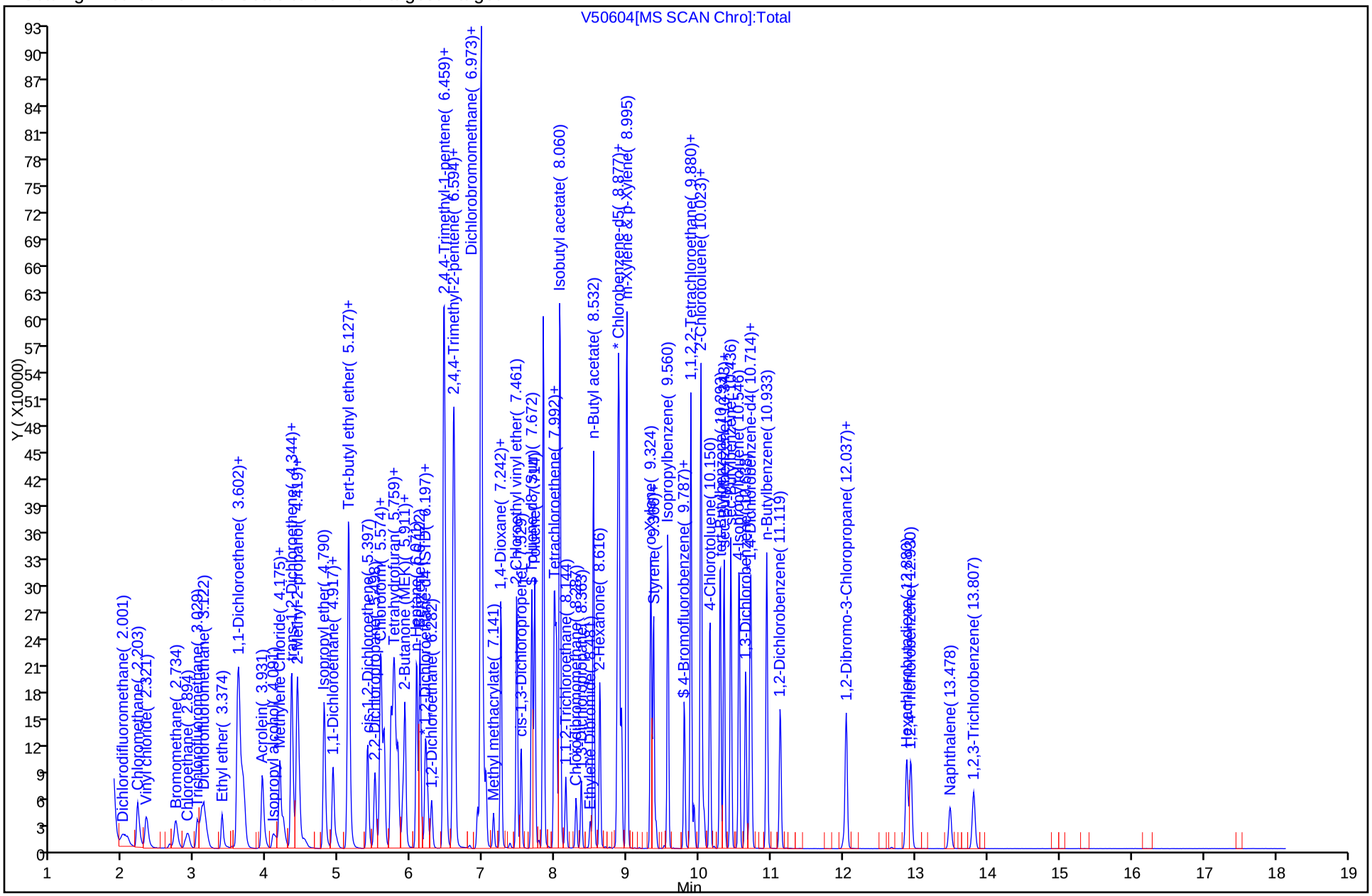
Injection Date: 17-Dec-2010 15:59:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 3

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 20-Dec-2010 10:17:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

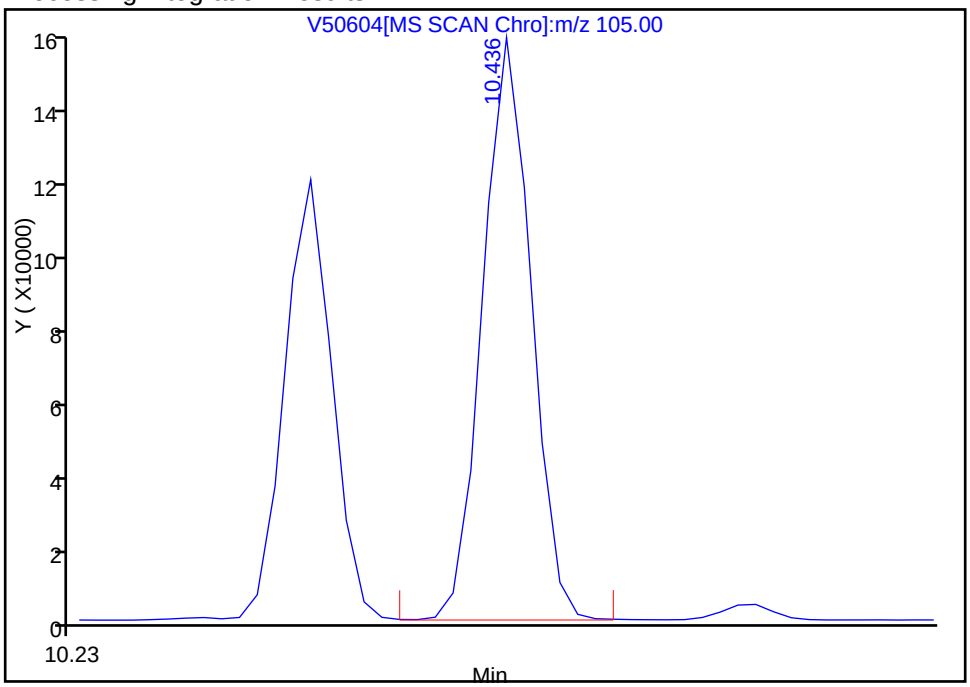
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50604.D		
Injection Date:	17-Dec-2010 15:59:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	3
Operator ID:	CR		

92 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.34

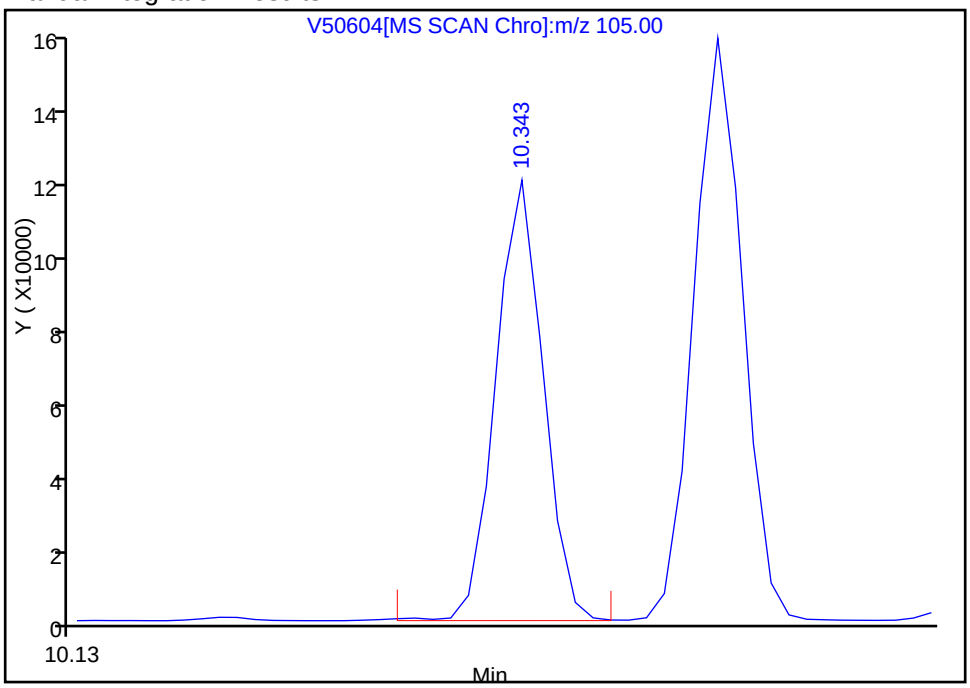
Processing Integration Results

RT: 10.44
Response: 248480
Amount: 23.740103



Manual Integration Results

RT: 10.34
Response: 183458
Amount: 17.527816



Reviewer: rouleauc, 20-Dec-2010 10:15:55
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 20-Dec-2010 10:17:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50604.D

Injection Date: 17-Dec-2010 15:59:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

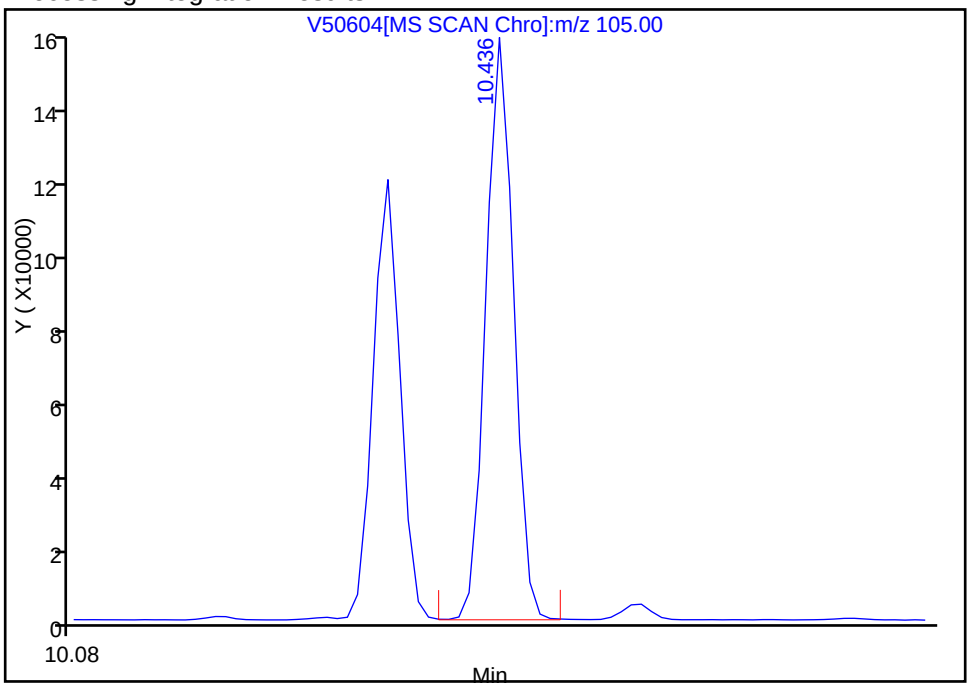
Lims Batch ID: 67368 Lims Sample ID: 3

Operator ID: CR

93 sec-Butylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.43

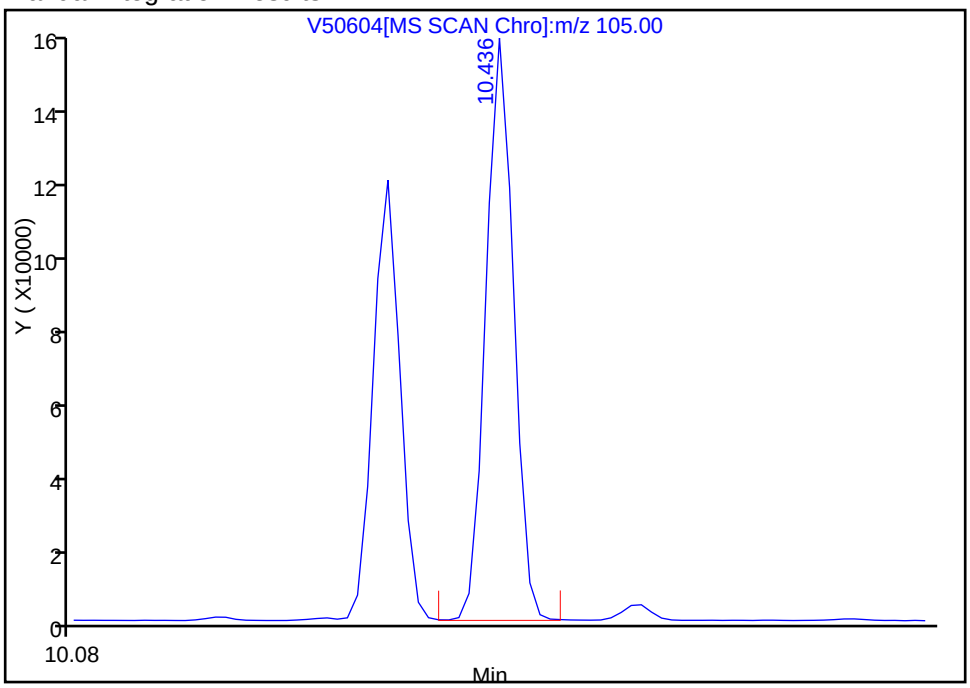
Processing Integration Results

RT: 10.44
Response: 248480
Amount: 17.701523



Manual Integration Results

RT: 10.44
Response: 248480
Amount: 17.701523



Reviewer: rouleauc, 20-Dec-2010 10:15:55

Audit Action: Assigned Compound ID

Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67366/2-A

Matrix: Solid | Lab File ID: V50605.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 16:24

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	87.5		2.5	1.2
71-55-6	1,1,1-Trichloroethane	94.6		2.5	2.0
79-34-5	1,1,2,2-Tetrachloroethane	80.2		2.5	1.0
79-00-5	1,1,2-Trichloroethane	90.5		2.5	1.0
75-34-3	1,1-Dichloroethane	88.3		2.5	1.9
75-35-4	1,1-Dichloroethene	93.0		2.5	1.6
563-58-6	1,1-Dichloropropene	93.2		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	95.0		2.5	1.1
96-18-4	1,2,3-Trichloropropane	87.5		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	96.0		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	87.7		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	80.7		25	2.8
95-50-1	1,2-Dichlorobenzene	93.8		2.5	1.0
107-06-2	1,2-Dichloroethane	92.7		2.5	1.0
78-87-5	1,2-Dichloropropane	90.0		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	87.9		2.5	1.5
541-73-1	1,3-Dichlorobenzene	90.2		2.5	1.0
142-28-9	1,3-Dichloropropane	93.4		2.5	1.1
106-46-7	1,4-Dichlorobenzene	92.1		2.5	1.0
123-91-1	1,4-Dioxane	841		250	100
594-20-7	2,2-Dichloropropane	81.3		2.5	2.1
78-93-3	2-Butanone (MEK)	767		25	11
95-49-8	2-Chlorotoluene	86.7		2.5	1.3
591-78-6	2-Hexanone	950		25	14
106-43-4	4-Chlorotoluene	89.7		2.5	1.2
99-87-6	4-Isopropyltoluene	91.4		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	849		25	10
67-64-1	Acetone	763		250	17
71-43-2	Benzene	90.2		2.5	1.6
108-86-1	Bromobenzene	81.5		2.5	1.0
75-25-2	Bromoform	84.8		2.5	1.6
74-83-9	Bromomethane	84.5		5.0	2.3
75-15-0	Carbon disulfide	87.4		2.5	1.9
56-23-5	Carbon tetrachloride	93.5		2.5	1.7
108-90-7	Chlorobenzene	97.2		2.5	1.2
74-97-5	Chlorobromomethane	96.8		2.5	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67366/2-A

Matrix: Solid | Lab File ID: V50605.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 16:24

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	94.3		2.5	1.2
75-00-3	Chloroethane	73.3		5.0	2.0
67-66-3	Chloroform	91.1		2.5	1.5
74-87-3	Chloromethane	76.5		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	84.8		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	94.6		2.5	1.0
74-95-3	Dibromomethane	98.8		2.5	1.3
75-27-4	Dichlorobromomethane	89.5		2.5	1.3
75-71-8	Dichlorodifluoromethane	68.4		5.0	2.1
60-29-7	Ethyl ether	86.6		2.5	1.1
100-41-4	Ethylbenzene	92.8		2.5	1.8
106-93-4	Ethylene Dibromide	95.6		2.5	1.1
87-68-3	Hexachlorobutadiene	92.7		2.5	1.5
108-20-3	Isopropyl ether	80.5		2.5	1.1
98-82-8	Isopropylbenzene	90.2		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	186		5.0	3.5
1634-04-4	Methyl tert-butyl ether	84.6		2.5	1.5
75-09-2	Methylene Chloride	90.9		10	9.8
104-51-8	n-Butylbenzene	94.3		2.5	1.2
103-65-1	N-Propylbenzene	90.0		2.5	1.7
91-20-3	Naphthalene	86.3		25	2.3
95-47-6	o-Xylene	90.5		2.5	1.3
135-98-8	sec-Butylbenzene	88.2		2.5	1.4
100-42-5	Styrene	91.8		2.5	1.0
994-05-8	Tert-amyl methyl ether	85.2		2.5	1.5
637-92-3	Tert-butyl ethyl ether	84.2		2.5	1.4
98-06-6	tert-Butylbenzene	91.1		2.5	1.4
127-18-4	Tetrachloroethene	101		2.5	1.8
109-99-9	Tetrahydrofuran	831		25	12
108-88-3	Toluene	101		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	85.7		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	96.8		2.5	1.0
79-01-6	Trichloroethene	95.4		2.5	2.1
75-69-4	Trichlorofluoromethane	82.2		5.0	1.4
75-01-4	Vinyl chloride	81.1		2.5	1.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	104		12	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67366/2-A

Matrix: Solid | Lab File ID: V50605.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2010 16:24

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	85.2		5.0	1.6
107-40-4	2,4,4-Trimethyl-2-pentene	105		5.0	1.1
110-82-7	Cyclohexane	86.7		25	1.0
79-20-9	Methyl acetate	758		50	14
108-87-2	Methylcyclohexane	88.0		2.5	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		70-130
2037-26-5	Toluene-d8 (Surr)	109		70-130
1868-53-7	Dibromofluoromethane	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50605.D
Lims ID: LCSD 360-67366/2-A Client ID:
Inject. Date: 17-Dec-2010 16:24:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.:
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 67368 Lims Sample ID: 4
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 10:15:24 Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 20-Dec-2010 10:16:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	2.065	2.016	0.049	87	53507	13.7	
2 Chloromethane	50	2.200	2.202	-0.002	99	85982	15.3	
3 Vinyl chloride	62	2.327	2.328	-0.001	99	67825	16.2	
4 Bromomethane	94	2.739	2.724	0.015	91	40293	16.9	
5 Chloroethane	64	2.900	2.893	0.007	99	34804	14.7	
6 Trichlorofluoromethane	101	3.034	3.036	-0.002	100	67234	16.4	
7 Dichlorofluoromethane	67	3.127	3.120	0.007	0	95399	0	
8 Ethyl ether	59	3.380	3.373	0.007	92	33442	17.3	
9 1,1-Dichloroethene	96	3.591	3.592	-0.001	99	53392	18.6	
11 Ethanol	45	3.599	3.592	0.007	6	12590	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.599	3.600	-0.001	96	49895	0	
10 Carbon disulfide	76	3.616	3.617	-0.001	99	186521	17.5	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.675	3.668	0.007	84	37298	20.9	
14 Acrolein	56	3.936	3.937	-0.001	99	117605	0	
15 Isopropyl alcohol	45	4.088	4.089	-0.001	99	64758	0	
16 Methylene Chloride	84	4.180	4.182	-0.002	94	56588	18.2	
17 Acetone	43	4.223	4.224	-0.001	99	58755	152.7	
18 trans-1,2-Dichloroethene	61	4.341	4.334	0.007	76	87112	17.1	
19 Methyl acetate	43	4.349	4.350	-0.001	98	169804	151.7	
20 Hexane	57	4.416	4.418	-0.002	69	122247	0	
21 Methyl tert-butyl ether	73	4.442	4.443	-0.001	58	94750	16.9	
22 2-Methyl-2-propanol	59	4.518	4.519	-0.001	21	21106	0	
23 Isopropyl ether	45	4.796	4.797	-0.001	97	189635	16.1	
24 1,1-Dichloroethane	63	4.914	4.915	-0.001	97	107002	17.7	
25 Acrylonitrile	53	4.964	4.957	0.007	99	9082	0	
26 Tert-butyl ethyl ether	59	5.124	5.126	-0.002	44	146283	16.8	
27 Vinyl acetate	43	5.133	5.134	-0.001	97	523093	0	
28 cis-1,2-Dichloroethene	61	5.394	5.395	-0.001	65	79724	17.0	
29 2,2-Dichloropropane	77	5.495	5.496	-0.001	89	62113	16.3	
31 Chlorobromomethane	130	5.571	5.572	-0.001	66	27286	19.4	
30 Cyclohexane	56	5.579	5.581	-0.002	87	112427	17.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
32 Chloroform	83	5.630	5.623	0.007	95	99154	18.2	
34 Ethyl acetate	43	5.723	5.724	-0.001	98	232044	0	
36 sec-Butyl Alcohol	45	5.748	5.741	0.007	81	109195	0	
33 Carbon tetrachloride	117	5.756	5.758	-0.002	97	64304	18.7	
35 Tetrahydrofuran	42	5.765	5.766	-0.001	60	65255	166.2	
$ 37 Dibromofluoromethane	113	5.782	5.783	-0.001	80	48316	20.5	
38 1,1,1-Trichloroethane	97	5.815	5.817	-0.002	68	79422	18.9	
39 2-Butanone (MEK)	43	5.883	5.884	-0.001	99	92242	153.4	
40 1,1-Dichloropropene	75	5.916	5.918	-0.002	95	77890	18.6	
41 n-Heptane	43	6.077	6.078	-0.001	94	95339	0	
42 Benzene	78	6.127	6.120	0.007	96	211092	18.0	
43 Tert-amyl methyl ether	73	6.203	6.196	0.007	98	109562	17.0	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.228	6.230	-0.002	0	9854	20.0	
45 1,2-Dichloroethane	62	6.287	6.280	0.007	97	45692	18.5	
* 46 Fluorobenzene	96	6.456	6.449	0.007	54	192158	20.0	
48 Isopropyl acetate	43	6.456	6.457	-0.001	99	438538	0	
47 2,4,4-Trimethyl-1-pentene	55	6.481	6.474	0.007	99	45783	17.0	
50 Trichloroethene	95	6.582	6.583	-0.001	68	56104	19.1	
49 Methylcyclohexane	83	6.591	6.583	0.008	84	94850	17.6	
51 2,4,4-Trimethyl-2-pentene	112	6.607	6.609	-0.002	90	34736	21.0	
52 Dibromomethane	93	6.919	6.921	-0.002	89	20775	19.8	
53 1,2-Dichloropropane	63	7.003	7.005	-0.002	87	45159	18.0	
54 Dichlorobromomethane	83	7.037	7.039	-0.002	99	54530	17.9	
55 Methyl methacrylate	69	7.147	7.140	0.007	91	15498	0	
56 1,4-Dioxane	88	7.197	7.199	-0.002	25	1681	168.2	
57 n-Propyl acetate	43	7.248	7.249	-0.001	98	287548	0	
58 2-Chloroethyl vinyl ether	63	7.467	7.468	-0.001	92	131881	0	
59 cis-1,3-Dichloropropene	75	7.526	7.527	-0.001	93	65264	18.9	
$ 60 Toluene-d8 (Surr)	98	7.678	7.671	0.007	92	185353	21.8	
61 Toluene	92	7.711	7.713	-0.002	99	128151	20.1	
63 4-Methyl-2-pentanone (MIBK)	43	7.989	7.991	-0.002	96	198204	169.8	
62 Tetrachloroethene	164	8.015	8.016	-0.001	94	35288	20.2	
64 trans-1,3-Dichloropropene	75	8.023	8.016	0.007	87	46187	19.4	
65 Isobutyl acetate	43	8.065	8.067	-0.002	98	550184	0	
66 1,1,2-Trichloroethane	83	8.150	8.142	0.008	82	21273	18.1	
67 Chlorodibromomethane	129	8.293	8.286	0.007	89	30614	18.9	
68 1,3-Dichloropropane	76	8.360	8.362	-0.002	92	45538	18.7	
69 Ethylene Dibromide	107	8.487	8.488	-0.001	98	23349	19.1	
70 n-Butyl acetate	43	8.529	8.530	-0.001	99	329157	0	
71 2-Hexanone	43	8.621	8.614	0.007	94	130009	189.9	
* 72 Chlorobenzene-d5	117	8.866	8.867	-0.001	85	124425	20.0	
73 Chlorobenzene	112	8.874	8.876	-0.002	83	119752	19.4	
74 Ethylbenzene	91	8.883	8.884	-0.001	94	227866	18.6	
75 1,1,1,2-Tetrachloroethane	131	8.916	8.918	-0.002	58	41787	17.5	
76 m-Xylene & p-Xylene	91	8.992	8.994	-0.002	100	348982	37.2	
77 o-Xylene	91	9.329	9.322	0.007	98	189636	18.1	
78 Styrene	104	9.363	9.364	-0.001	95	134211	18.4	
79 Bromoform	173	9.397	9.398	-0.001	81	13748	17.0	
80 Isopropylbenzene	105	9.565	9.567	-0.002	95	232857	18.0	
$ 82 4-Bromofluorobenzene	95	9.793	9.794	-0.001	80	65578	20.8	
$ 81 BFB	95	9.793	9.794	-0.001	0	65548	0	
83 Bromobenzene	77	9.885	9.878	0.007	44	81674	16.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 N-Propylbenzene	91	9.885	9.878	0.007	100	275216	18.0	
85 1,1,2,2-Tetrachloroethane	83	9.928	9.929	-0.001	85	26206	16.0	
86 2-Chlorotoluene	91	10.020	10.013	0.007	93	176118	17.3	
87 1,3,5-Trimethylbenzene	105	10.029	10.030	-0.001	93	182842	17.6	
88 1,2,3-Trichloropropane	110	10.046	10.047	-0.001	38	7157	17.5	
89 trans-1,4-Dichloro-2-butene	53	10.071	10.064	0.007	1	7142	0	
90 4-Chlorotoluene	91	10.147	10.148	-0.001	98	163782	17.9	
91 tert-Butylbenzene	119	10.290	10.291	-0.001	92	160697	18.2	
92 1,2,4-Trimethylbenzene	105	10.340	10.342	-0.002	62	186697	17.5	A
93 sec-Butylbenzene	105	10.433	10.435	-0.002	94	251946	17.6	
94 4-Isopropyltoluene	119	10.551	10.553	-0.002	98	200715	18.3	
95 1,3-Dichlorobenzene	146	10.644	10.645	-0.001	98	92374	18.0	
* 96 1,4-Dichlorobenzene-d4	115	10.703	10.704	-0.001	97	34677	20.0	
97 1,4-Dichlorobenzene	146	10.720	10.721	-0.001	92	87008	18.4	
98 n-Butylbenzene	91	10.939	10.932	0.007	97	204388	18.9	
99 1,2-Dichlorobenzene	146	11.124	11.126	-0.002	96	77715	18.8	
100 1,2-Dibromo-3-Chloropropane	157	12.001	12.002	-0.001	72	3735	16.1	
101 1,3,5-Trichlorobenzene	180	12.043	12.036	0.007	97	65505	0	
102 Hexachlorobutadiene	225	12.877	12.878	-0.001	83	29873	18.5	
103 1,2,4-Trichlorobenzene	180	12.936	12.937	-0.001	94	48791	19.2	
104 Naphthalene	128	13.484	13.477	0.007	98	66793	17.3	
105 1,2,3-Trichlorobenzene	180	13.804	13.805	-0.001	97	36472	19.0	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 20-Dec-2010 10:16:04 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50605.D

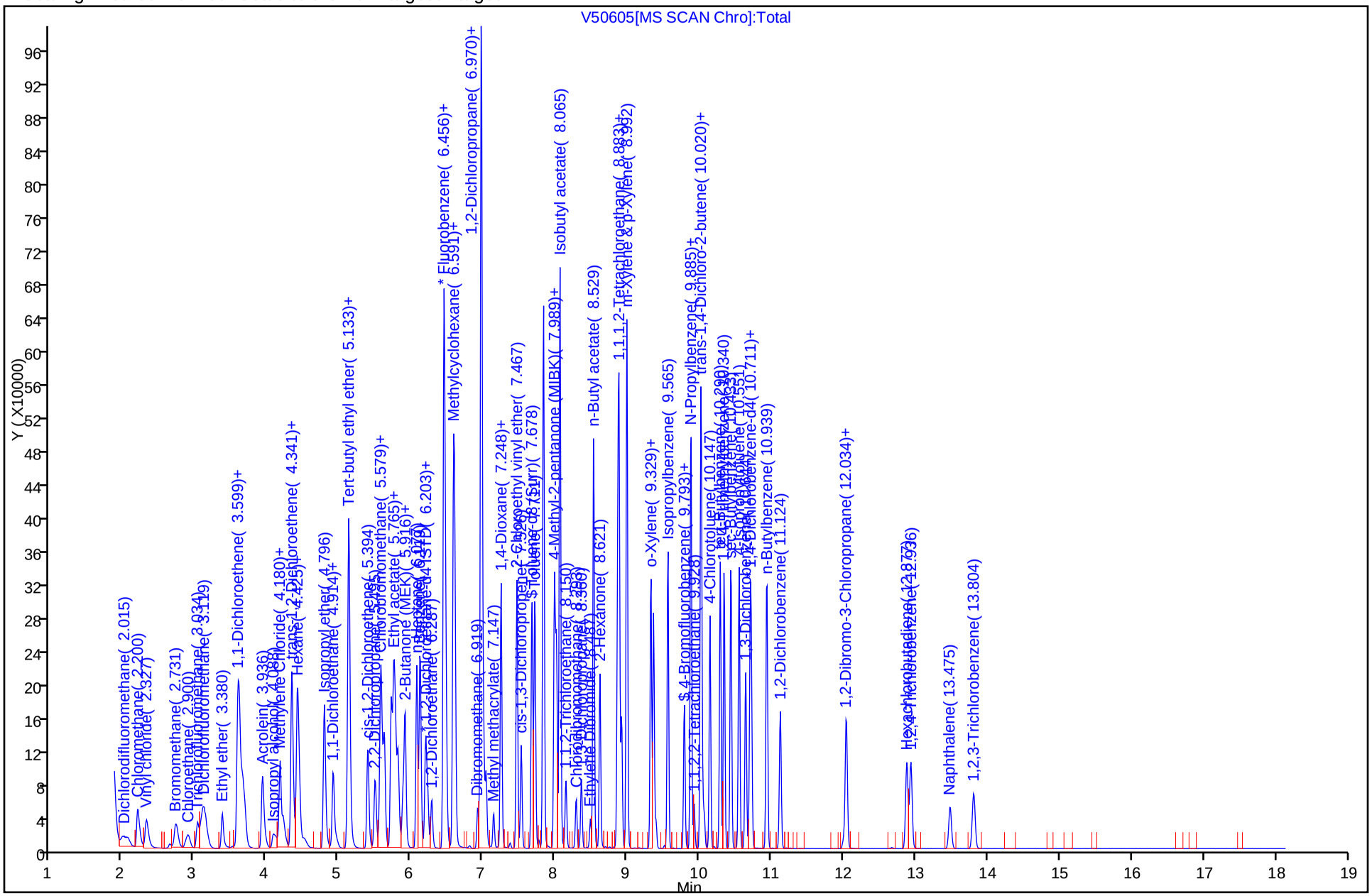
Injection Date: 17-Dec-2010 16:24:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 4

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



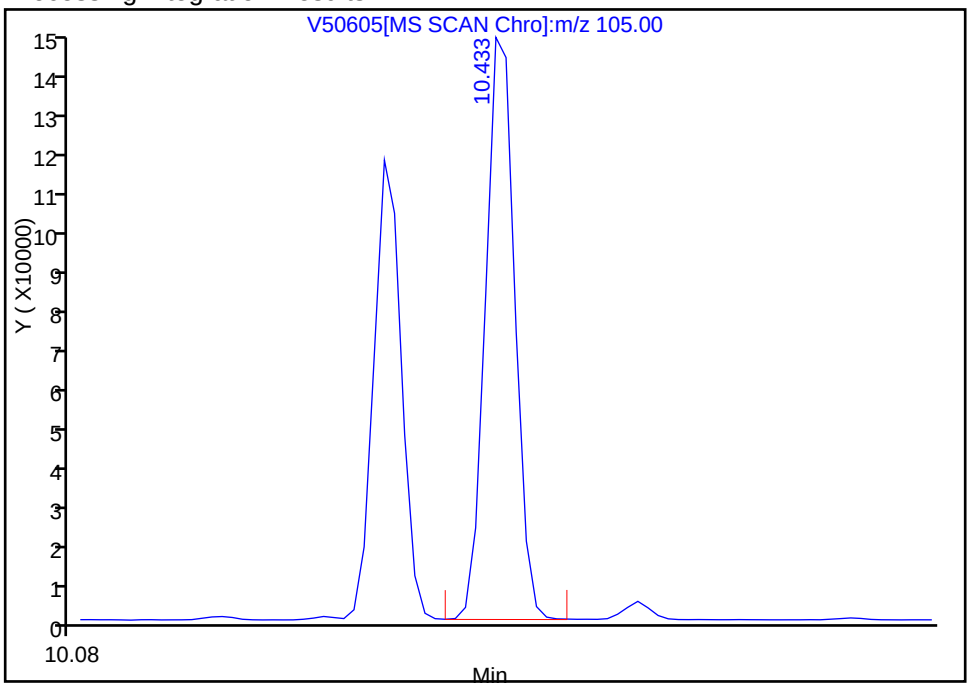
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50605.D		
Injection Date:	17-Dec-2010 16:24:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	4
Operator ID:	CR		

92 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.34

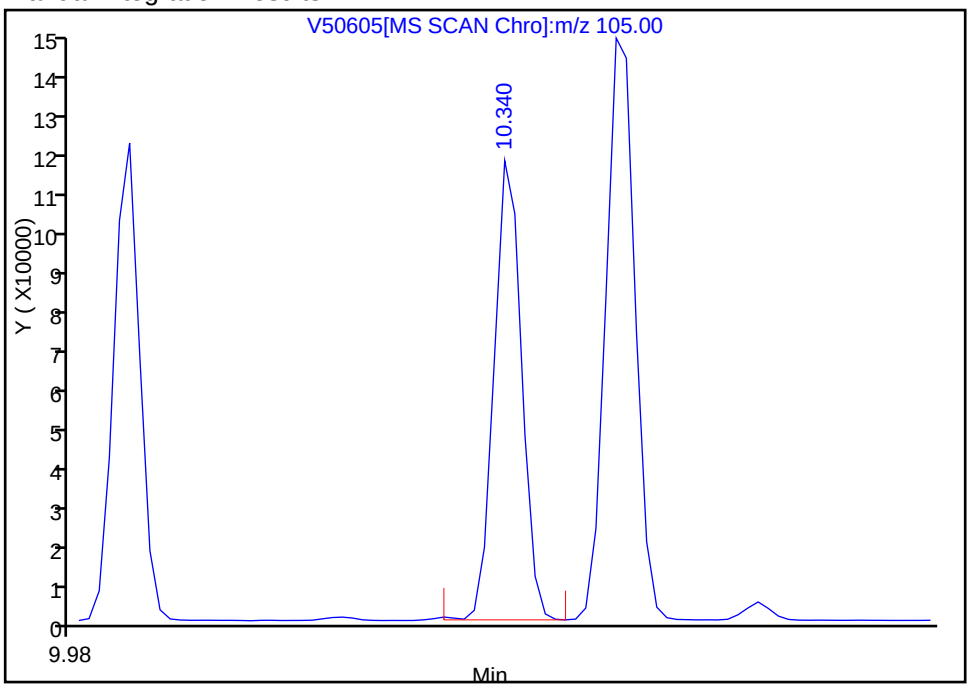
Processing Integration Results

RT: 10.43
Response: 251946
Amount: 23.668659



Manual Integration Results

RT: 10.34
Response: 186697
Amount: 17.538947



Reviewer: rouleauc, 20-Dec-2010 10:16:03
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: V50626.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.91(g) | Date Analyzed: 12/18/2010 00:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	97.5		3.5	1.7
71-55-6	1,1,1-Trichloroethane	113		3.5	2.8
79-34-5	1,1,2,2-Tetrachloroethane	95.3		3.5	1.4
79-00-5	1,1,2-Trichloroethane	113		3.5	1.4
75-34-3	1,1-Dichloroethane	109		3.5	2.7
75-35-4	1,1-Dichloroethene	97.8		3.5	2.2
563-58-6	1,1-Dichloropropene	95.9		3.5	2.1
87-61-6	1,2,3-Trichlorobenzene	46.4		3.5	1.5
96-18-4	1,2,3-Trichloropropane	102		3.5	1.7
120-82-1	1,2,4-Trichlorobenzene	48.4		3.5	1.4
95-63-6	1,2,4-Trimethylbenzene	74.4		3.5	2.0
96-12-8	1,2-Dibromo-3-Chloropropane	94.3		35	3.9
95-50-1	1,2-Dichlorobenzene	78.3		3.5	1.4
107-06-2	1,2-Dichloroethane	120		3.5	1.4
78-87-5	1,2-Dichloropropane	114		3.5	2.2
108-67-8	1,3,5-Trimethylbenzene	73.5		3.5	2.1
541-73-1	1,3-Dichlorobenzene	69.5		3.5	1.4
142-28-9	1,3-Dichloropropane	116		3.5	1.6
106-46-7	1,4-Dichlorobenzene	71.7		3.5	1.4
123-91-1	1,4-Dioxane	1230		350	140
594-20-7	2,2-Dichloropropane	97.3		3.5	2.9
78-93-3	2-Butanone (MEK)	1020		35	15
95-49-8	2-Chlorotoluene	75.2		3.5	1.8
591-78-6	2-Hexanone	1150		35	20
106-43-4	4-Chlorotoluene	74.4		3.5	1.7
99-87-6	4-Isopropyltoluene	61.9		3.5	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1040		35	14
67-64-1	Acetone	968		350	24
71-43-2	Benzene	110		3.5	2.2
108-86-1	Bromobenzene	76.5		3.5	1.4
75-25-2	Bromoform	94.4		3.5	2.2
74-83-9	Bromomethane	94.7		7.0	3.2
75-15-0	Carbon disulfide	75.3		3.5	2.7
56-23-5	Carbon tetrachloride	97.0		3.5	2.4
108-90-7	Chlorobenzene	98.9		3.5	1.7
74-97-5	Chlorobromomethane	121		3.5	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: V50626.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.91(g) | Date Analyzed: 12/18/2010 00:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	109		3.5	1.7
75-00-3	Chloroethane	84.0		7.0	2.8
67-66-3	Chloroform	112		3.5	2.1
74-87-3	Chloromethane	82.8		7.0	2.2
156-59-2	cis-1,2-Dichloroethene	97.9		3.5	1.7
10061-01-5	cis-1,3-Dichloropropene	103		3.5	1.4
74-95-3	Dibromomethane	122		3.5	1.8
75-27-4	Dichlorobromomethane	110		3.5	1.8
75-71-8	Dichlorodifluoromethane	74.7		7.0	2.9
60-29-7	Ethyl ether	110		3.5	1.5
100-41-4	Ethylbenzene	92.5		3.5	2.5
106-93-4	Ethylene Dibromide	117		3.5	1.6
87-68-3	Hexachlorobutadiene	25.5		3.5	2.1
108-20-3	Isopropyl ether	102		3.5	1.6
98-82-8	Isopropylbenzene	79.3		3.5	2.1
179601-23-1	m-Xylene & p-Xylene	183		7.0	4.9
1634-04-4	Methyl tert-butyl ether	113		3.5	2.1
75-09-2	Methylene Chloride	112		14	14
104-51-8	n-Butylbenzene	50.8		3.5	1.7
103-65-1	N-Propylbenzene	72.7		3.5	2.4
91-20-3	Naphthalene	62.0		35	3.2
95-47-6	o-Xylene	91.3		3.5	1.8
135-98-8	sec-Butylbenzene	57.9		3.5	2.0
100-42-5	Styrene	82.7		3.5	1.4
994-05-8	Tert-amyl methyl ether	112		3.5	2.1
637-92-3	Tert-butyl ethyl ether	113		3.5	2.0
98-06-6	tert-Butylbenzene	70.5		3.5	2.0
127-18-4	Tetrachloroethene	96.5		3.5	2.5
109-99-9	Tetrahydrofuran	1050		35	17
108-88-3	Toluene	114		3.5	2.5
156-60-5	trans-1,2-Dichloroethene	89.5		3.5	2.2
10061-02-6	trans-1,3-Dichloropropene	103		3.5	1.5
79-01-6	Trichloroethene	106		3.5	2.9
75-69-4	Trichlorofluoromethane	91.4		7.0	2.0
75-01-4	Vinyl chloride	81.5		3.5	2.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	106		18	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: V50626.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 5.91(g) | Date Analyzed: 12/18/2010 00:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	117		7.0	2.3
107-40-4	2,4,4-Trimethyl-2-pentene	76.8		7.0	1.5
110-82-7	Cyclohexane	74.7		35	1.4
79-20-9	Methyl acetate	1270		70	20
108-87-2	Methylcyclohexane	60.6		3.5	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	108		70-130
1868-53-7	Dibromofluoromethane	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50626.D
Lims ID: 360-31465-E-13-B MS
Client ID: OC-SD-SD-SD2-XMS
Inject. Date: 18-Dec-2010 00:49:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 360-31465-E-13 MS
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 26
Lims Batch ID: 67368
Lims Sample ID: 25
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 10:15:24
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:16:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85	2.053	2.016	0.037	100	39264	10.6	
2 Chloromethane	50	2.196	2.202	-0.006	88	62523	11.8	
3 Vinyl chloride	62	2.331	2.328	0.003	81	45774	11.6	
4 Bromomethane	94	2.718	2.724	-0.006	91	30337	13.5	
5 Chloroethane	64	2.887	2.893	-0.006	99	26810	12.0	
6 Trichlorofluoromethane	101	3.030	3.036	-0.006	85	50212	13.0	
7 Dichlorofluoromethane	67	3.114	3.120	-0.006	0	77930	0	
8 Ethyl ether	59	3.367	3.373	-0.006	92	28555	15.7	
9 1,1-Dichloroethene	96	3.586	3.592	-0.006	88	37741	13.9	
11 Ethanol	45	3.595	3.592	0.003	19	10315	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.595	3.600	-0.005	98	37936	0	
10 Carbon disulfide	76	3.612	3.617	-0.005	99	108065	10.7	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.662	3.668	-0.006	82	25448	15.1	
14 Acrolein	56	3.932	3.937	-0.005	98	35744	0	
15 Isopropyl alcohol	45	4.075	4.089	-0.014	99	59519	0	
16 Methylene Chloride	84	4.176	4.182	-0.006	93	46757	15.9	
17 Acetone	43	4.218	4.224	-0.006	100	50085	137.9	
18 trans-1,2-Dichloroethene	61	4.328	4.334	-0.006	66	61086	12.7	
19 Methyl acetate	43	4.345	4.350	-0.005	97	190830	180.7	
20 Hexane	57	4.412	4.418	-0.006	67	62476	0	
21 Methyl tert-butyl ether	73	4.437	4.443	-0.006	70	85215	16.1	
22 2-Methyl-2-propanol	59	4.513	4.519	-0.006	21	20054	0	
23 Isopropyl ether	45	4.783	4.797	-0.014	97	161879	14.6	
24 1,1-Dichloroethane	63	4.909	4.915	-0.006	97	88590	15.5	
25 Acrylonitrile	53	4.951	4.957	-0.006	99	7071	0	
26 Tert-butyl ethyl ether	59	5.120	5.126	-0.006	51	131882	16.1	
27 Vinyl acetate	43	5.128	5.134	-0.006	97	302258	0	
28 cis-1,2-Dichloroethene	61	5.390	5.395	-0.005	79	61826	13.9	
29 2,2-Dichloropropane	77	5.491	5.496	-0.005	90	49923	13.9	
31 Chlorobromomethane	130	5.567	5.572	-0.005	72	22889	17.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.575	5.581	-0.006	82	65030	10.6	
32 Chloroform	83	5.617	5.623	-0.006	95	82145	16.0	
34 Ethyl acetate	43	5.710	5.724	-0.014	99	172760	0	
36 sec-Butyl Alcohol	45	5.735	5.741	-0.006	77	91779	0	
33 Carbon tetrachloride	117	5.752	5.758	-0.006	95	44839	13.8	
35 Tetrahydrofuran	42	5.760	5.766	-0.006	58	55431	149.6	
$ 37 Dibromofluoromethane	113	5.777	5.783	-0.006	82	45633	20.6	
38 1,1,1-Trichloroethane	97	5.811	5.817	-0.006	67	63744	16.1	
39 2-Butanone (MEK)	43	5.878	5.884	-0.006	100	82361	145.1	
40 1,1-Dichloropropene	75	5.904	5.918	-0.014	94	53819	13.7	
41 n-Heptane	43	6.064	6.078	-0.014	95	25128	0	
42 Benzene	78	6.114	6.120	-0.006	97	172352	15.6	
43 Tert-amyl methyl ether	73	6.190	6.196	-0.006	98	96843	16.0	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.224	6.230	-0.006	0	8983	20.0	
45 1,2-Dichloroethane	62	6.274	6.280	-0.006	97	39685	17.1	
* 46 Fluorobenzene	96	6.443	6.449	-0.006	65	181302	20.0	
48 Isopropyl acetate	43	6.451	6.457	-0.006	98	341591	0	
47 2,4,4-Trimethyl-1-pentene	55	6.468	6.474	-0.006	97	42178	16.6	
50 Trichloroethene	95	6.578	6.583	-0.005	82	41891	15.1	
49 Methylcyclohexane	83	6.578	6.583	-0.005	91	43908	8.64	
51 2,4,4-Trimethyl-2-pentene	112	6.603	6.609	-0.006	85	17078	10.9	
52 Dibromomethane	93	6.915	6.921	-0.006	93	17247	17.4	
53 1,2-Dichloropropane	63	6.991	7.005	-0.014	76	38558	16.3	
54 Dichlorobromomethane	83	7.033	7.039	-0.006	99	44889	15.6	
55 Methyl methacrylate	69	7.134	7.140	-0.006	93	12421	0	
56 1,4-Dioxane	88	7.185	7.199	-0.014	36	1591	174.6	
57 n-Propyl acetate	43	7.244	7.249	-0.005	98	205146	0	
58 2-Chloroethyl vinyl ether	63	7.463	7.468	-0.005	93	106083	0	
59 cis-1,3-Dichloropropene	75	7.522	7.527	-0.005	94	47684	14.7	
$ 60 Toluene-d8 (Surr)	98	7.665	7.671	-0.006	92	172779	21.5	
61 Toluene	92	7.707	7.713	-0.006	99	97292	16.2	
63 4-Methyl-2-pentanone (MIBK)	43	7.977	7.991	-0.014	97	163906	148.8	
62 Tetrachloroethene	164	8.010	8.016	-0.006	90	22656	13.7	
64 trans-1,3-Dichloropropene	75	8.010	8.016	-0.006	93	33101	14.7	
65 Isobutyl acetate	43	8.061	8.067	-0.006	98	403481	0	
66 1,1,2-Trichloroethane	83	8.137	8.142	-0.005	90	17846	16.1	
67 Chlorodibromomethane	129	8.280	8.286	-0.006	88	23822	15.5	
68 1,3-Dichloropropane	76	8.356	8.362	-0.006	90	38136	16.6	
69 Ethylene Dibromide	107	8.482	8.488	-0.006	97	19151	16.6	
70 n-Butyl acetate	43	8.524	8.530	-0.006	99	226937	0	
71 2-Hexanone	43	8.609	8.614	-0.005	96	106032	164.2	
* 72 Chlorobenzene-d5	117	8.861	8.867	-0.006	84	122620	20.0	
73 Chlorobenzene	112	8.870	8.876	-0.006	78	85456	14.1	
74 Ethylbenzene	91	8.878	8.884	-0.006	95	159335	13.2	
75 1,1,1,2-Tetrachloroethane	131	8.912	8.918	-0.006	64	32702	13.9	
76 m-Xylene & p-Xylene	91	8.988	8.994	-0.006	100	241239	26.1	
77 o-Xylene	91	9.317	9.322	-0.005	99	134223	13.0	
78 Styrene	104	9.359	9.364	-0.005	95	84912	11.8	
79 Bromoform	173	9.392	9.398	-0.006	81	10511	13.4	
80 Isopropylbenzene	105	9.552	9.567	-0.015	96	143693	11.3	
$ 82 4-Bromofluorobenzene	95	9.780	9.794	-0.014	74	62007	19.9	
$ 124 BFB (tune)	95	9.780	9.830	-0.050	93	62007	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 Bromobenzene	77	9.873	9.878	-0.005	47	53827	10.9	
84 N-Propylbenzene	91	9.873	9.878	-0.005	100	156023	10.4	
85 1,1,2,2-Tetrachloroethane	83	9.923	9.929	-0.006	95	21419	13.6	
86 2-Chlorotoluene	91	10.008	10.013	-0.005	93	107230	10.7	
87 1,3,5-Trimethylbenzene	105	10.016	10.030	-0.014	93	107272	10.5	
88 1,2,3-Trichloropropane	110	10.041	10.047	-0.006	76	5881	14.6	
89 trans-1,4-Dichloro-2-butene	53	10.058	10.064	-0.006	1	4481	0	
90 4-Chlorotoluene	91	10.142	10.148	-0.006	98	95351	10.6	
91 tert-Butylbenzene	119	10.286	10.291	-0.005	91	87268	10.0	
92 1,2,4-Trimethylbenzene	105	10.336	10.342	-0.006	49	111112	10.6	A
93 sec-Butylbenzene	105	10.429	10.435	-0.006	94	116056	8.25	
94 4-Isopropyltoluene	119	10.547	10.553	-0.006	97	95385	8.82	
95 1,3-Dichlorobenzene	146	10.631	10.645	-0.014	97	49926	9.89	
* 96 1,4-Dichlorobenzene-d4	115	10.699	10.704	-0.005	97	33465	20.0	
97 1,4-Dichlorobenzene	146	10.715	10.721	-0.006	94	46514	10.2	
98 n-Butylbenzene	91	10.926	10.932	-0.006	97	75699	7.23	
99 1,2-Dichlorobenzene	146	11.111	11.126	-0.015	95	44588	11.2	
100 1,2-Dibromo-3-Chloropropane	157	11.988	12.002	-0.014	78	3000	13.4	
101 1,3,5-Trichlorobenzene	180	12.030	12.036	-0.006	96	23018	0	
102 Hexachlorobutadiene	225	12.864	12.878	-0.014	83	5653	3.64	
103 1,2,4-Trichlorobenzene	180	12.923	12.937	-0.014	92	16903	6.89	
104 Naphthalene	128	13.471	13.477	-0.006	97	32957	8.83	
105 1,2,3-Trichlorobenzene	180	13.791	13.805	-0.014	95	12248	6.61	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 20-Dec-2010 10:16:23 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50626.D

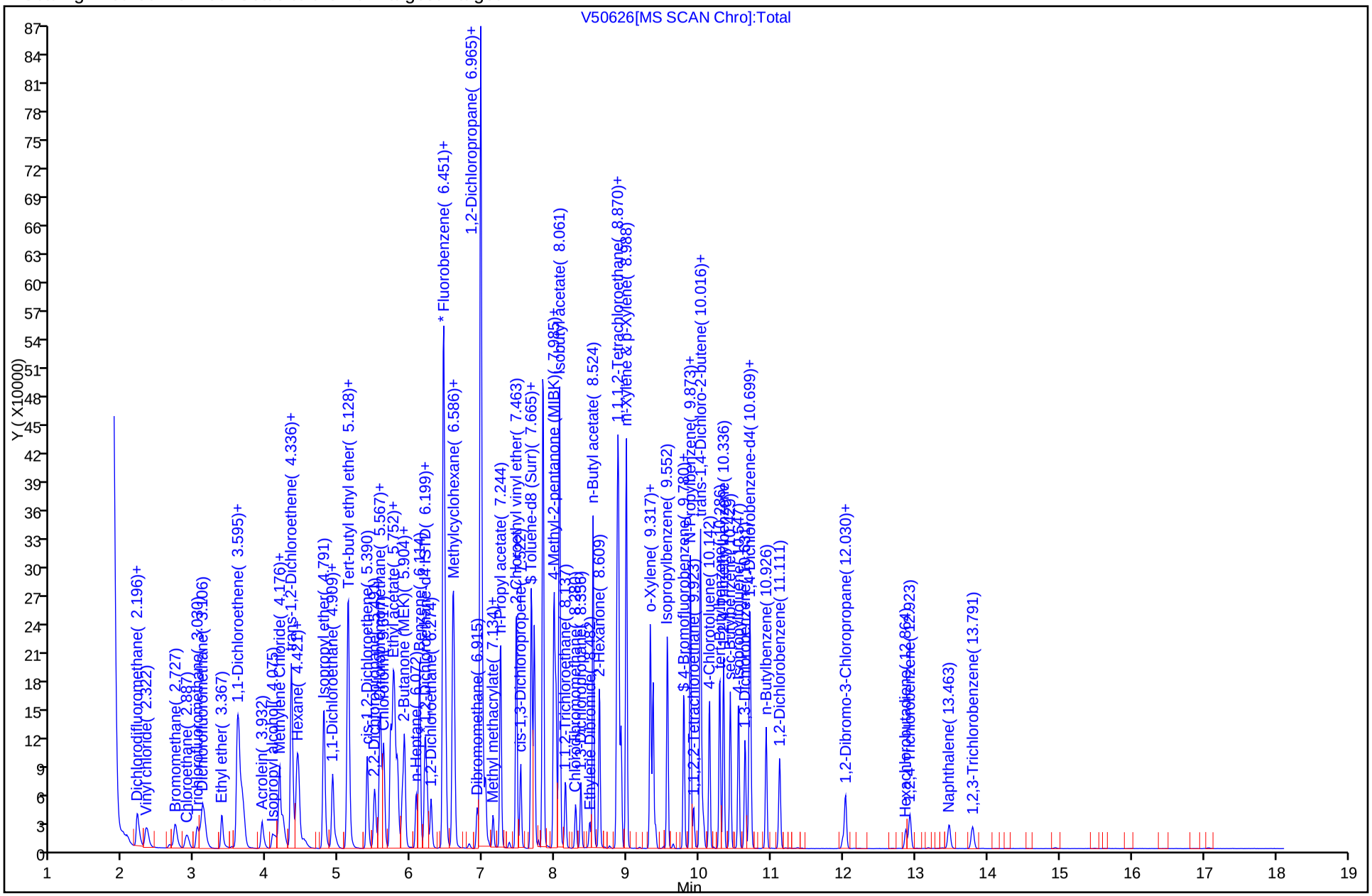
Injection Date: 18-Dec-2010 00:49:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-SD2-XMS Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 25

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



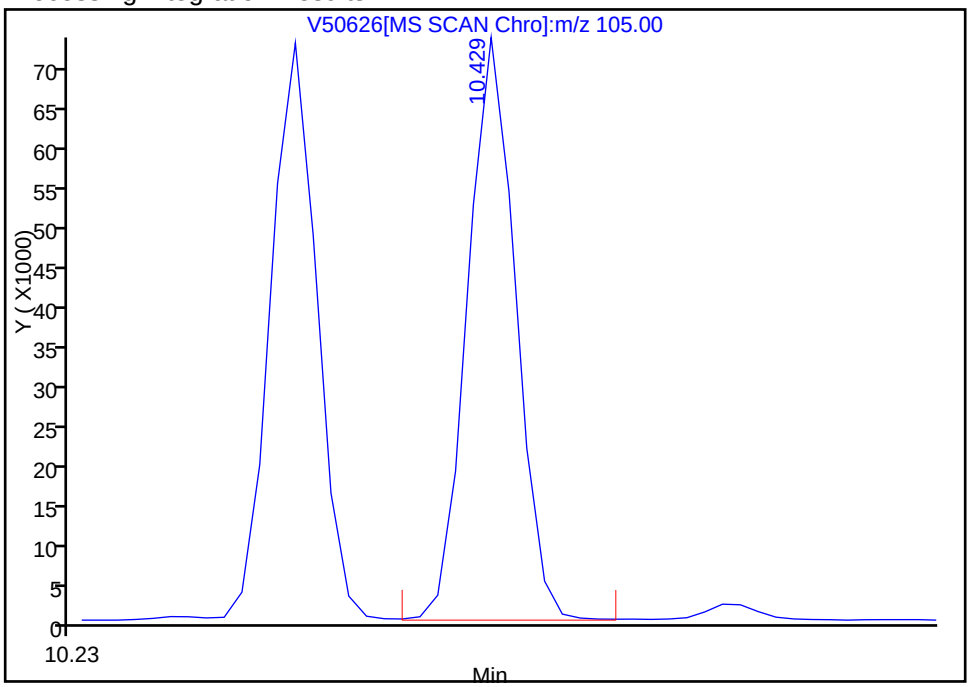
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50626.D		
Injection Date:	18-Dec-2010 00:49:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	25
Operator ID:	CR		

92 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.34

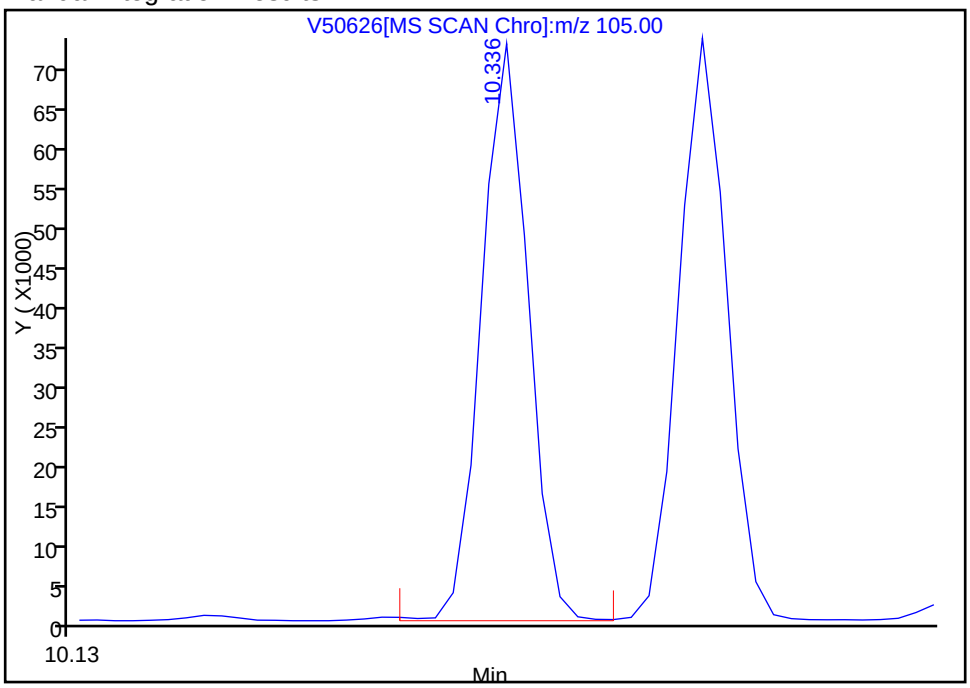
Processing Integration Results

RT: 10.43
Response: 116056
Amount: 11.063184



Manual Integration Results

RT: 10.34
Response: 111112
Amount: 10.591891



Reviewer: rouleauc, 20-Dec-2010 10:15:10
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: V50627.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 7.95(g) | Date Analyzed: 12/18/2010 01:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	72.9		2.6	1.3
71-55-6	1,1,1-Trichloroethane	83.6		2.6	2.1
79-34-5	1,1,2,2-Tetrachloroethane	65.4		2.6	1.0
79-00-5	1,1,2-Trichloroethane	79.5		2.6	1.0
75-34-3	1,1-Dichloroethane	80.6		2.6	2.0
75-35-4	1,1-Dichloroethene	74.5		2.6	1.7
563-58-6	1,1-Dichloropropene	71.1		2.6	1.6
87-61-6	1,2,3-Trichlorobenzene	38.8		2.6	1.1
96-18-4	1,2,3-Trichloropropane	74.8		2.6	1.3
120-82-1	1,2,4-Trichlorobenzene	40.7		2.6	1.0
95-63-6	1,2,4-Trimethylbenzene	57.9		2.6	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	70.1		26	2.9
95-50-1	1,2-Dichlorobenzene	59.8		2.6	1.0
107-06-2	1,2-Dichloroethane	85.7		2.6	1.0
78-87-5	1,2-Dichloropropane	82.8		2.6	1.7
108-67-8	1,3,5-Trimethylbenzene	57.9		2.6	1.6
541-73-1	1,3-Dichlorobenzene	55.4		2.6	1.0
142-28-9	1,3-Dichloropropane	82.8		2.6	1.2
106-46-7	1,4-Dichlorobenzene	56.1		2.6	1.0
123-91-1	1,4-Dioxane	989		260	100
594-20-7	2,2-Dichloropropane	73.2		2.6	2.2
78-93-3	2-Butanone (MEK)	732		26	11
95-49-8	2-Chlorotoluene	59.1		2.6	1.4
591-78-6	2-Hexanone	807		26	15
106-43-4	4-Chlorotoluene	57.9		2.6	1.3
99-87-6	4-Isopropyltoluene	51.2		2.6	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	740		26	11
67-64-1	Acetone	731		260	18
71-43-2	Benzene	80.5		2.6	1.7
108-86-1	Bromobenzene	58.3		2.6	1.0
75-25-2	Bromoform	69.9		2.6	1.7
74-83-9	Bromomethane	73.6		5.2	2.4
75-15-0	Carbon disulfide	61.2		2.6	2.0
56-23-5	Carbon tetrachloride	70.2		2.6	1.8
108-90-7	Chlorobenzene	74.6		2.6	1.3
74-97-5	Chlorobromomethane	86.9		2.6	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: V50627.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 7.95(g) | Date Analyzed: 12/18/2010 01:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	78.7		2.6	1.3
75-00-3	Chloroethane	64.2		5.2	2.1
67-66-3	Chloroform	82.6		2.6	1.6
74-87-3	Chloromethane	65.1		5.2	1.7
156-59-2	cis-1,2-Dichloroethene	73.3		2.6	1.2
10061-01-5	cis-1,3-Dichloropropene	73.2		2.6	1.0
74-95-3	Dibromomethane	87.4		2.6	1.3
75-27-4	Dichlorobromomethane	80.7		2.6	1.3
75-71-8	Dichlorodifluoromethane	53.4		5.2	2.2
60-29-7	Ethyl ether	79.3		2.6	1.1
100-41-4	Ethylbenzene	70.4		2.6	1.9
106-93-4	Ethylene Dibromide	81.8		2.6	1.2
87-68-3	Hexachlorobutadiene	23.3		2.6	1.6
108-20-3	Isopropyl ether	75.2		2.6	1.2
98-82-8	Isopropylbenzene	62.5		2.6	1.6
179601-23-1	m-Xylene & p-Xylene	139		5.2	3.7
1634-04-4	Methyl tert-butyl ether	82.1		2.6	1.6
75-09-2	Methylene Chloride	84.0		10	10
104-51-8	n-Butylbenzene	43.2		2.6	1.3
103-65-1	N-Propylbenzene	57.3		2.6	1.8
91-20-3	Naphthalene	47.2		26	2.4
95-47-6	o-Xylene	70.1		2.6	1.4
135-98-8	sec-Butylbenzene	47.9		2.6	1.5
100-42-5	Styrene	62.6		2.6	1.0
994-05-8	Tert-amyl methyl ether	81.3		2.6	1.6
637-92-3	Tert-butyl ethyl ether	81.4		2.6	1.5
98-06-6	tert-Butylbenzene	57.3		2.6	1.5
127-18-4	Tetrachloroethene	73.3		2.6	1.9
109-99-9	Tetrahydrofuran	746		26	13
108-88-3	Toluene	83.2		2.6	1.9
156-60-5	trans-1,2-Dichloroethene	68.2		2.6	1.7
10061-02-6	trans-1,3-Dichloropropene	75.2		2.6	1.1
79-01-6	Trichloroethene	77.6		2.6	2.2
75-69-4	Trichlorofluoromethane	66.1		5.2	1.5
75-01-4	Vinyl chloride	63.8		2.6	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	77.2		13	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: V50627.D

Analysis Method: 8260C | Date Collected: 12/10/2010 09:00

Sample wt/vol: 7.95(g) | Date Analyzed: 12/18/2010 01:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 39.8 | Level: (low/med) Low

Analysis Batch No.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	66.2		5.2	1.7
107-40-4	2,4,4-Trimethyl-2-pentene	60.0		5.2	1.1
110-82-7	Cyclohexane	55.6		26	1.0
79-20-9	Methyl acetate	900		52	15
108-87-2	Methylcyclohexane	48.6		2.6	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	108		70-130
1868-53-7	Dibromofluoromethane	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50627.D
Lims ID: 360-31465-E-13-C MSD
Client ID: OC-SD-SD-SD2-MSD
Inject. Date: 18-Dec-2010 01:13:30
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 360-31465-E-13 MSD
Misc. Info.:
Operator: CR
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 27
Lims Batch ID: 67368
Lims Sample ID: 26
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\WES1SOIL.m
Last Update: 20-Dec-2010 10:15:24
Calib Date: 19-Oct-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20101020-3942.b\V49634.D
Limit Group: VMS - 8260C VOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESVOAJESS

First Level Reviewer: rouleauc
Date: 20-Dec-2010 10:17:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		0.000					
1 Dichlorodifluoromethane	85	2.009	2.016	-0.007	99	38428	10.2	
2 Chloromethane	50	2.194	2.202	-0.008	99	67372	12.5	
3 Vinyl chloride	62	2.321	2.328	-0.007	99	49080	12.2	
4 Bromomethane	94	2.725	2.724	0.001	89	32276	14.1	
5 Chloroethane	64	2.877	2.893	-0.016	100	28050	12.3	
6 Trichlorofluoromethane	101	3.029	3.036	-0.007	100	49718	12.7	
7 Dichlorofluoromethane	67	3.113	3.120	-0.007	0	80136	0	
8 Ethyl ether	59	3.366	3.373	-0.007	93	28173	15.2	
9 1,1-Dichloroethene	96	3.585	3.592	-0.007	90	39351	14.3	
11 Ethanol	45	3.593	3.592	0.001	19	8795	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	3.593	3.600	-0.007	94	38409	0	
10 Carbon disulfide	76	3.610	3.617	-0.007	99	120263	11.7	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.652	3.668	-0.016	83	25358	14.8	
14 Acrolein	56	3.930	3.937	-0.007	99	44031	0	
15 Isopropyl alcohol	45	4.074	4.089	-0.015	99	59116	0	
16 Methylene Chloride	84	4.175	4.182	-0.007	93	48100	16.1	
17 Acetone	43	4.217	4.224	-0.007	100	51780	140.0	
18 trans-1,2-Dichloroethene	61	4.326	4.334	-0.008	67	63734	13.1	
19 Methyl acetate	43	4.335	4.350	-0.015	98	185351	172.3	
20 Hexane	57	4.411	4.418	-0.007	68	65825	0	
21 Methyl tert-butyl ether	73	4.436	4.443	-0.007	69	84700	15.7	
22 2-Methyl-2-propanol	59	4.503	4.519	-0.016	21	18485	0	
23 Isopropyl ether	45	4.781	4.797	-0.016	97	162891	14.4	
24 1,1-Dichloroethane	63	4.908	4.915	-0.007	82	89948	15.4	
25 Acrylonitrile	53	4.958	4.957	0.001	99	7166	0	
26 Tert-butyl ethyl ether	59	5.110	5.126	-0.016	73	130119	15.6	
27 Vinyl acetate	43	5.127	5.134	-0.007	97	309589	0	
28 cis-1,2-Dichloroethene	61	5.388	5.395	-0.007	79	63442	14.1	
29 2,2-Dichloropropane	77	5.489	5.496	-0.007	90	51469	14.0	
31 Chlorobromomethane	130	5.565	5.572	-0.007	69	22547	16.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Cyclohexane	56	5.574	5.581	-0.007	82	66290	10.6	
32 Chloroform	83	5.616	5.623	-0.007	95	82816	15.8	
34 Ethyl acetate	43	5.708	5.724	-0.016	99	168968	0	
36 sec-Butyl Alcohol	45	5.734	5.741	-0.007	76	91108	0	
33 Carbon tetrachloride	117	5.751	5.758	-0.008	84	44458	13.5	
35 Tetrahydrofuran	42	5.759	5.766	-0.007	60	53906	142.9	
$ 37 Dibromofluoromethane	113	5.776	5.783	-0.007	83	46401	20.5	
38 1,1,1-Trichloroethane	97	5.809	5.817	-0.008	68	64558	16.0	
39 2-Butanone (MEK)	43	5.877	5.884	-0.007	99	81058	140.3	
40 1,1-Dichloropropene	75	5.902	5.918	-0.016	93	54698	13.6	
41 n-Heptane	43	6.071	6.078	-0.007	93	30133	0	
42 Benzene	78	6.113	6.120	-0.007	97	173409	15.4	
43 Tert-amyl methyl ether	73	6.189	6.196	-0.007	99	96214	15.6	
* 44 1,2-Dichloroethane-d4 ISTD	102	6.222	6.230	-0.008	0	8920	20.0	
45 1,2-Dichloroethane	62	6.273	6.280	-0.007	97	38856	16.4	
* 46 Fluorobenzene	96	6.442	6.449	-0.007	67	184596	20.0	
48 Isopropyl acetate	43	6.450	6.457	-0.007	99	336375	0	
47 2,4,4-Trimethyl-1-pentene	55	6.467	6.474	-0.007	96	32751	12.7	
50 Trichloroethene	95	6.576	6.583	-0.007	82	42003	14.9	
49 Methylcyclohexane	83	6.576	6.583	-0.007	91	48165	9.30	
51 2,4,4-Trimethyl-2-pentene	112	6.602	6.609	-0.007	88	18251	11.5	
52 Dibromomethane	93	6.913	6.921	-0.008	93	16900	16.7	
53 1,2-Dichloropropane	63	6.998	7.005	-0.007	91	38212	15.9	
54 Dichlorobromomethane	83	7.031	7.039	-0.008	100	45265	15.5	
55 Methyl methacrylate	69	7.133	7.140	-0.008	91	12461	0	
56 1,4-Dioxane	88	7.200	7.199	0.001	15	1714	189.4	
57 n-Propyl acetate	43	7.242	7.249	-0.007	98	201155	0	
58 2-Chloroethyl vinyl ether	63	7.461	7.468	-0.007	93	100590	0	
59 cis-1,3-Dichloropropene	75	7.520	7.527	-0.007	94	46477	14.0	
$ 60 Toluene-d8 (Surr)	98	7.672	7.671	0.001	92	176372	21.6	
61 Toluene	92	7.706	7.713	-0.007	99	97472	15.9	
63 4-Methyl-2-pentanone (MIBK)	43	7.984	7.991	-0.007	96	158955	141.7	
62 Tetrachloroethene	164	8.009	8.016	-0.007	95	23575	14.0	
64 trans-1,3-Dichloropropene	75	8.009	8.016	-0.007	88	33010	14.4	
65 Isobutyl acetate	43	8.059	8.067	-0.008	98	396459	0	
66 1,1,2-Trichloroethane	83	8.144	8.142	0.002	82	17194	15.2	
67 Chlorodibromomethane	129	8.279	8.286	-0.007	89	23506	15.1	
68 1,3-Dichloropropane	76	8.354	8.362	-0.008	91	37124	15.9	
69 Ethylene Dibromide	107	8.481	8.488	-0.007	98	18394	15.7	
70 n-Butyl acetate	43	8.523	8.530	-0.007	99	222016	0	
71 2-Hexanone	43	8.616	8.614	0.002	94	101646	154.6	
* 72 Chlorobenzene-d5	117	8.860	8.867	-0.007	84	122581	20.0	
73 Chlorobenzene	112	8.868	8.876	-0.008	83	86661	14.3	
74 Ethylbenzene	91	8.877	8.884	-0.007	95	163086	13.5	
75 1,1,1,2-Tetrachloroethane	131	8.911	8.918	-0.007	59	32865	14.0	
76 m-Xylene & p-Xylene	91	8.986	8.994	-0.008	100	245930	26.6	
77 o-Xylene	91	9.323	9.322	0.001	98	138575	13.4	
78 Styrene	104	9.357	9.364	-0.007	95	86457	12.0	
79 Bromoform	173	9.391	9.398	-0.007	81	10573	13.4	
80 Isopropylbenzene	105	9.559	9.567	-0.008	95	152200	12.0	
$ 82 4-Bromofluorobenzene	95	9.787	9.794	-0.007	81	62600	20.1	
$ 124 BFB (tune)	95	9.787	9.830	-0.043	99	62600	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 Bromobenzene	77	9.871	9.878	-0.007	46	55106	11.2	
84 N-Propylbenzene	91	9.871	9.878	-0.007	99	165223	11.0	
85 1,1,2,2-Tetrachloroethane	83	9.922	9.929	-0.007	85	19974	12.5	
86 2-Chlorotoluene	91	10.014	10.013	0.001	91	113417	11.3	
87 1,3,5-Trimethylbenzene	105	10.023	10.030	-0.007	93	113687	11.1	
88 1,2,3-Trichloropropane	110	10.040	10.047	-0.007	78	5771	14.3	
89 trans-1,4-Dichloro-2-butene	53	10.065	10.064	0.001	1	4382	0	
90 4-Chlorotoluene	91	10.141	10.148	-0.007	98	99763	11.1	
91 tert-Butylbenzene	119	10.284	10.291	-0.007	91	95386	11.0	
92 1,2,4-Trimethylbenzene	105	10.335	10.335	-0.007	62	116422	11.1	A
93 sec-Butylbenzene	105	10.427	10.435	-0.008	94	129079	9.18	
94 4-Isopropyltoluene	119	10.545	10.553	-0.008	97	106138	9.81	
95 1,3-Dichlorobenzene	146	10.638	10.645	-0.007	98	53559	10.6	
* 96 1,4-Dichlorobenzene-d4	115	10.697	10.704	-0.007	96	33792	20.0	
97 1,4-Dichlorobenzene	146	10.714	10.721	-0.007	93	49442	10.7	
98 n-Butylbenzene	91	10.925	10.932	-0.007	99	87510	8.28	
99 1,2-Dichlorobenzene	146	11.118	11.126	-0.008	97	46269	11.5	
100 1,2-Dibromo-3-Chloropropane	157	11.986	12.002	-0.016	80	3031	13.4	
101 1,3,5-Trichlorobenzene	180	12.029	12.036	-0.008	97	26441	0	
102 Hexachlorobutadiene	225	12.871	12.878	-0.007	85	6996	4.46	
103 1,2,4-Trichlorobenzene	180	12.922	12.937	-0.015	93	19342	7.81	
104 Naphthalene	128	13.469	13.477	-0.008	98	34069	9.04	
105 1,2,3-Trichlorobenzene	180	13.790	13.805	-0.015	97	13903	7.43	

QC Flag Legend

Review Flags
A - User Assigned ID

Report Date: 20-Dec-2010 10:17:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50627.D

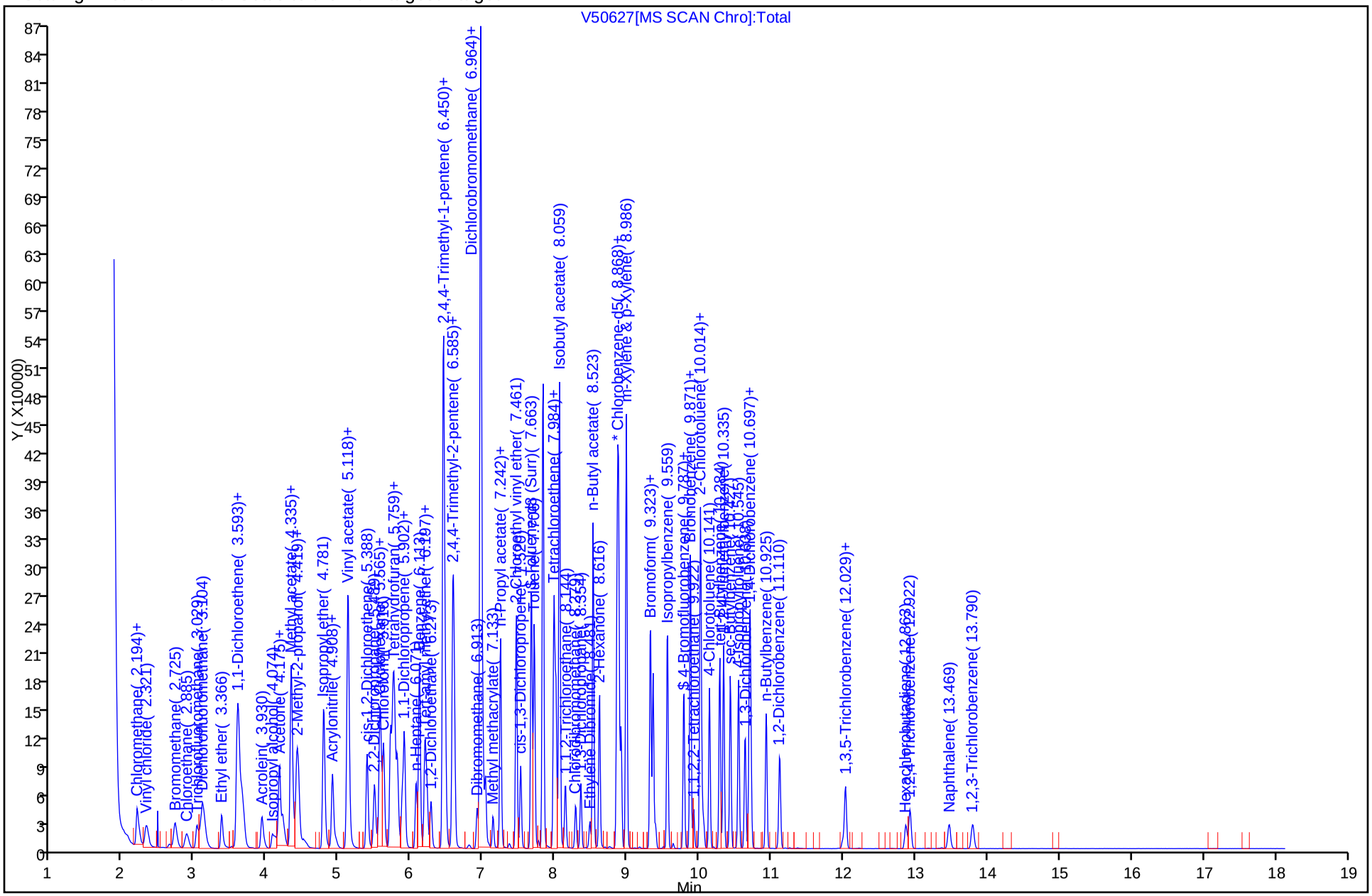
Injection Date: 18-Dec-2010 01:13:30 Limit Group: VMS - 8260C VOA Calibration MCP

Client ID: OC-SD-SD-SD2-MSD Instrument ID: HP #1 GC/MS

Lims Batch ID: 67368 Lims Sample ID: 26

Operator ID: CR

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



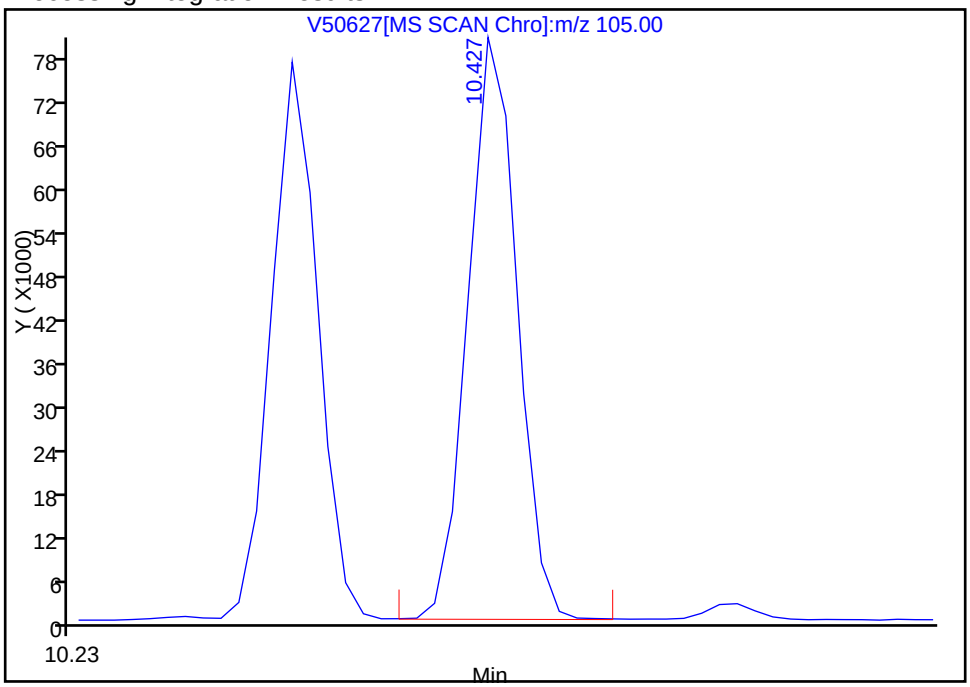
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20101220-4396.b\V50627.D		
Injection Date:	18-Dec-2010 01:13:30	Limit Group:	VMS - 8260C VOA Calibration MCP
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	67368	Lims Sample ID:	26
Operator ID:	CR		

92 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.34

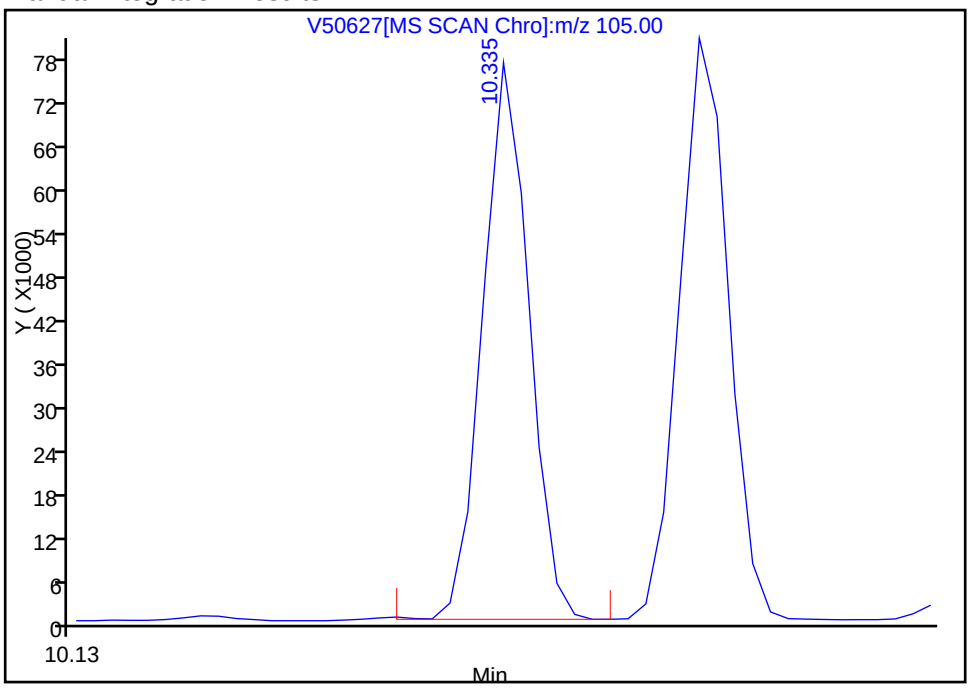
Processing Integration Results

RT: 10.43
Response: 129079
Amount: 12.308532



Manual Integration Results

RT: 10.33
Response: 116422
Amount: 11.101604



Reviewer: rouleauc, 20-Dec-2010 10:17:22
Audit Action: Assigned Compound ID
Audit Reason:

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: HP #1 GC/MS Start Date: 10/19/2010 15:27

Analysis Batch Number: 64639 End Date: 10/19/2010 18:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-64639/4		10/19/2010 15:27	1	V49627.D	RTX-VMS 0.25(um)
STD05 360-64639/5 IC		10/19/2010 15:51	1	V49628.D	RTX-VMS 0.25(um)
STD1 360-64639/6 IC		10/19/2010 16:15	1	V49629.D	RTX-VMS 0.25(um)
STD5 360-64639/7 IC		10/19/2010 16:57	1	V49630.D	RTX-VMS 0.25(um)
STD10 360-64639/8 IC		10/19/2010 17:20	1	V49631.D	RTX-VMS 0.25(um)
STD20 360-64639/9 IC		10/19/2010 17:44	1	V49632.D	RTX-VMS 0.25(um)
STD40 360-64639/10 IC		10/19/2010 18:08	1	V49633.D	RTX-VMS 0.25(um)
STD80 360-64639/11 IC		10/19/2010 18:32	1	V49634.D	RTX-VMS 0.25(um)
ICV 360-64639/12		10/19/2010 18:55	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: HP #1 GC/MS Start Date: 12/17/2010 15:11

Analysis Batch Number: 67368 End Date: 12/18/2010 01:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-67368/1		12/17/2010 15:11	1	V50602.D	RTX-VMS 0.25(um)
CCVIS 360-67368/2		12/17/2010 15:35	1	V50603.D	RTX-VMS 0.25(um)
LCS 360-67366/1-A		12/17/2010 15:59	1	V50604.D	RTX-VMS 0.25(um)
LCSD 360-67366/2-A		12/17/2010 16:24	1	V50605.D	RTX-VMS 0.25(um)
MB 360-67366/3-A		12/17/2010 17:36	1	V50608.D	RTX-VMS 0.25(um)
360-31465-1	OC-SD-ISCO-2-XXX	12/17/2010 18:00	1	V50609.D	RTX-VMS 0.25(um)
360-31465-2	OC-SD-LB-1-XXX	12/17/2010 18:23	1	V50610.D	RTX-VMS 0.25(um)
360-31465-3	OC-SD-LB-2-XXX	12/17/2010 18:47	1	V50611.D	RTX-VMS 0.25(um)
360-31465-5	OC-SD-SD-1-XXX	12/17/2010 19:11	1	V50612.D	RTX-VMS 0.25(um)
360-31465-6	OC-SD-SD-SD3-XXX	12/17/2010 19:35	1	V50613.D	RTX-VMS 0.25(um)
360-31465-7	OC-SD-SDSW-E-XXX	12/17/2010 19:59	1	V50614.D	RTX-VMS 0.25(um)
360-31465-8	OC-TBK-064	12/17/2010 20:24	1	V50615.D	RTX-VMS 0.25(um)
360-31465-9	OC-SD-OPWD-1-XXX	12/17/2010 20:48	1	V50616.D	RTX-VMS 0.25(um)
360-31465-10	OC-SD-OPWD-2-XXX	12/17/2010 21:12	1	V50617.D	RTX-VMS 0.25(um)
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	12/17/2010 21:37	1	V50618.D	RTX-VMS 0.25(um)
360-31465-12	OC-SD-SD-SD2-DUP	12/17/2010 22:02	1	V50619.D	RTX-VMS 0.25(um)
360-31465-13	OC-SD-SD-SD2-XXX	12/17/2010 22:25	1	V50620.D	RTX-VMS 0.25(um)
360-31465-14	OC-TBK-066	12/17/2010 22:49	1	V50621.D	RTX-VMS 0.25(um)
360-31465-4	OC-SD-LB-3-XXX	12/18/2010 00:25	1	V50625.D	RTX-VMS 0.25(um)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/18/2010 00:49	1	V50626.D	RTX-VMS 0.25(um)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/18/2010 01:13	1	V50627.D	RTX-VMS 0.25(um)

GC/MS VOA Worksheet

Batch Number: 360-67366
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Dec 17 2010 9:33AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Preservation Type
LCS~360-67366/1		5035, 8260C		5 g	5 g	DI Water
LCSD~360-67366/2		5035, 8260C		5 g	5 g	DI Water
MB~360-67366/3		5035, 8260C		5 g	5 g	DI Water
360-31465-A-1	OC-SD-ISCO-2-XXX	5035, 8260C	T	6.03 g	5 g	DI Water
360-31465-A-2	OC-SD-LB-1-XXX	5035, 8260C	T	5.04 g	5 g	DI Water
360-31465-A-3	OC-SD-LB-2-XXX	5035, 8260C	T	4.93 g	5 g	DI Water
360-31465-A-5	OC-SD-SD-1-XXX	5035, 8260C	T	5.86 g	5 g	DI Water
360-31465-A-6	OC-SD-SD-SD3-XXX	5035, 8260C	T	5.04 g	5 g	DI Water
360-31465-A-7	OC-SD-SDSW-E-XXX	5035, 8260C	T	7.00 g	5 g	DI Water
360-31465-A-8	OC-TBK-064	5035, 8260C	T	5.00 g	5 g	DI Water
360-31465-D-9	OC-SD-OPWD-1-XXX	5035, 8260C	T	6.20 g	5 g	DI Water
360-31465-D-10	OC-SD-OPWD-2-XXX	5035, 8260C	T	4.96 g	5 g	DI Water
360-31465-B-11	OC-SD-OPWD-SD/SP/SW-S-XXX	5035, 8260C	T	7.25 g	5 g	DI Water
360-31465-E-12	OC-SD-SD-SD2-DUP	5035, 8260C	T	5.58 g	5 g	DI Water
360-31465-E-13	OC-SD-SD-SD2-XXX	5035, 8260C	T	6.11 g	5 g	DI Water
360-31465-A-14	OC-TBK-066	5035, 8260C	T	5.00 g	5 g	DI Water
400-52592-B-1			T	5.71 g	5 g	DI Water
400-52592-B-3			T	5.56 g	5 g	DI Water
400-52592-B-4			T	5.75 g	5 g	DI Water
360-31465-A-4	OC-SD-LB-3-XXX	5035, 8260C	T	4.60 g	5 g	DI Water
360-31465-E-13~MS	OC-SD-SD-SD2-XXX	5035, 8260C	T	5.91 g	5 g	DI Water
360-31465-E-13~MSD	OC-SD-SD-SD2-XXX	5035, 8260C	T	7.95 g	5 g	DI Water

GC/MS VOA Worksheet

Batch Number: 360-67366
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Dec 17 2010 9:33AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-67366/1		5035, 8260C		
LCSD~360-67366/2		5035, 8260C		
MB~360-67366/3		5035, 8260C		
360-31465-A-1	OC-SD-ISCO-2-XXX	5035, 8260C	T	
360-31465-A-2	OC-SD-LB-1-XXX	5035, 8260C	T	
360-31465-A-3	OC-SD-LB-2-XXX	5035, 8260C	T	
360-31465-A-5	OC-SD-SD-1-XXX	5035, 8260C	T	
360-31465-A-6	OC-SD-SD-SD3-XXX	5035, 8260C	T	
360-31465-A-7	OC-SD-SDSW-E-XXX	5035, 8260C	T	1:1 ratio high
360-31465-A-8	OC-TBK-064	5035, 8260C	T	
360-31465-D-9	OC-SD-OPWD-1-XXX	5035, 8260C	T	
360-31465-D-10	OC-SD-OPWD-2-XXX	5035, 8260C	T	
360-31465-B-11	OC-SD-OPWD-SD/SP/SW-S-XXX	5035, 8260C	T	1:1 ratio high
360-31465-E-12	OC-SD-SD-SD2-DUP	5035, 8260C	T	
360-31465-E-13	OC-SD-SD-SD2-XXX	5035, 8260C	T	
360-31465-A-14	OC-TBK-066	5035, 8260C	T	
400-52592-B-1			T	
400-52592-B-3			T	
400-52592-B-4			T	
360-31465-A-4	OC-SD-LB-3-XXX	5035, 8260C	T	
360-31465-E-13~MS	OC-SD-SD-SD2-XXX	5035, 8260C	T	
360-31465-E-13~MSD	OC-SD-SD-SD2-XXX	5035, 8260C	T	1:1 ratio high

Batch Comment: 8260HL

Method 8270D Low Level

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low

GC Column (1): Rtx-5ms ID: 0.25 (um)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
OC-SD-ISCO-2-XXX	360-31465-1	39	52	47	48	74	69
OC-SD-ISCO-2-XXX DL	360-31465-1 DL	0 D X	0 D X	0 D X	0 D X	0 D X	0 D X
OC-SD-LB-1-XXX	360-31465-2	53	57	47	41	61	37
OC-SD-LB-2-XXX	360-31465-3	49	49	50	47	70	43
OC-SD-LB-3-XXX	360-31465-4	0 D X	0 D X	0 D X	0 D X	0 D X	0 D X
OC-SD-SD-1-XXX	360-31465-5	46	55	57	52	75	49
OC-SD-SD-1-XXX DL	360-31465-5 DL	0 D X	0 D X	0 D X	0 D X	0 D X	0 D X
OC-SD-SD-SD3-XXX	360-31465-6	59	65	52	46	78	41
OC-SD-SDSW-E-XXX	360-31465-7	63	67	52	43	70	40
OC-SD-OPWD-1-XXX	360-31465-9	62	67	70	53	65	58
OC-SD-OPWD-2-XXX	360-31465-10	63	60	60	49	56	41
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11	64	66	60	47	71	46
OC-SD-SD-SD2-DUP	360-31465-12	60	58	43	49	65	43
OC-SD-SD-SD2-DUP DL	360-31465-12 DL	52	46	44	47	92	38
OC-SD-SD-SD2-XXX	360-31465-13	59	57	43	50	62	45
OC-SD-SD-SD2-XXX DL	360-31465-13 DL	50	48	44	49	91	41
	MB 360-67334/1-A	74	76	68	74	72	76
	LCS 360-67334/2-A	74	78	77	74	78	76
	LCSD 360-67334/3-A	72	78	76	73	80	78
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	63	64	38	56	77	40
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	59	58	34	55	72	38

	QC LIMITS
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: B13794.D

Lab ID: LCS 360-67334/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	278	83	40-140	
1,2,4,5-Tetrachlorobenzene	333	230	69	40-140	
1,2,4-Trichlorobenzene	333	203	61	40-140	
1,2-Dichlorobenzene	333	244	73	40-140	
1,3-Dichlorobenzene	333	241	72	40-140	
1,4-Dichlorobenzene	333	244	73	40-140	
1-Methylnaphthalene	333	227	68	40-140	
2,2'-oxybis[1-chloropropane]	333	266	80	40-140	
2,3,4,6-Tetrachlorophenol	333	289	87	40-140	
2,4,5-Trichlorophenol	333	322	97	30-130	
2,4,6-Trichlorophenol	333	298	89	30-130	
2,4-Dichlorophenol	333	248	74	30-130	
2,4-Dimethylphenol	333	262	79	30-130	
2,4-Dinitrophenol	333	198	59	30-130	
2,4-Dinitrotoluene	333	302	90	40-140	
2,6-Dinitrotoluene	333	308	93	40-140	
2-Chloronaphthalene	333	228	68	40-140	
2-Chlorophenol	333	272	82	30-130	
2-Methylnaphthalene	333	236	71	40-140	
2-Methylphenol	333	282	84	30-130	
2-Nitroaniline	333	341	102	40-140	
2-Nitrophenol	333	227	68	30-130	
3 & 4 Methylphenol	333	329	99	30-130	
3,3'-Dichlorobenzidine	333	336	101	40-140	
3-Nitroaniline	333	328	98	40-140	
4,6-Dinitro-2-methylphenol	333	259	78	30-130	
4-Bromophenyl phenyl ether	333	293	88	40-140	
4-Chloro-3-methylphenol	333	278	83	30-130	
4-Chloroaniline	333	184	55	40-140	
4-Chlorophenyl phenyl ether	333	299	90	40-140	
4-Nitroaniline	333	375	113	40-140	
4-Nitrophenol	333	305	91	30-130	
Acenaphthene	333	300	90	40-140	
Acenaphthylene	333	264	79	40-140	
Acetophenone	333	272	82	40-140	
Aniline	333	162	49	40-140	
Anthracene	333	310	93	40-140	
Atrazine	333	332	100	40-140	
Azobenzene	333	287	86	40-140	
Benzaldehyde	333	228	68	40-140	
Benzo[a]anthracene	333	315	95	40-140	
Benzo[a]pyrene	333	317	95	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: B13794.D

Lab ID: LCS 360-67334/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[b]fluoranthene	333	299	90	40-140	
Benzo[g,h,i]perylene	333	343	103	40-140	
Benzo[k]fluoranthene	333	314	94	40-140	
Benzoic acid	333	158 J	47	30-130	
Benzophenone	333	294	88	40-140	
Benzyl alcohol	333	311	93	30-130	
Bis(2-chloroethoxy)methane	333	227	68	40-140	
Bis(2-chloroethyl)ether	333	249	75	40-140	
Bis(2-ethylhexyl) phthalate	333	323	97	40-140	
Butyl benzyl phthalate	333	295	89	40-140	
Caprolactam	333	255	77	40-140	
Carbazole	333	348	104	40-140	
Chrysene	333	312	94	40-140	
Dibenz(a,h)anthracene	333	339	102	40-140	
Dibenzofuran	333	286	86	40-140	
Diethyl phthalate	333	315	95	40-140	
Dimethyl phthalate	333	302	91	40-140	
Di-n-butyl phthalate	333	331	99	40-140	
Di-n-octyl phthalate	333	317	95	40-140	
Fluoranthene	333	299	90	40-140	
Fluorene	333	312	94	40-140	
Hexachlorobenzene	333	279	84	40-140	
Hexachlorobutadiene	333	216	65	40-140	
Hexachlorocyclopentadiene	333	184	55	40-140	
Hexachloroethane	333	232	70	40-140	
Indeno[1,2,3-cd]pyrene	333	358	108	40-140	
Isophorone	333	184	55	40-140	
Naphthalene	333	226	68	40-140	
Nitrobenzene	333	227	68	40-140	
N-Nitrosodi-n-propylamine	333	271	81	40-140	
N-Nitrosodiphenylamine	333	287	86	40-140	
Pentachlorophenol	333	281	84	30-130	
Phenanthrene	333	292	88	40-140	
Phenol	333	292	88	30-130	
Diphenyl oxide	333	238	71	40-140	
Pyrene	333	300	90	40-140	
N-Nitrosodimethylamine	333	251	75	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: B13795.D

Lab ID: LCSD 360-67334/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	333	277	83	0	20	40-140	
1,2,4,5-Tetrachlorobenzene	333	232	69	1	30	40-140	
1,2,4-Trichlorobenzene	333	210	63	3	30	40-140	
1,2-Dichlorobenzene	333	255	77	4	30	40-140	
1,3-Dichlorobenzene	333	245	73	2	30	40-140	
1,4-Dichlorobenzene	333	251	75	3	30	40-140	
1-Methylnaphthalene	333	233	70	3	30	40-140	
2,2'-oxybis[1-chloropropane]	333	272	82	2	30	40-140	
2,3,4,6-Tetrachlorophenol	333	287	86	1	30	40-140	
2,4,5-Trichlorophenol	333	312	94	3	30	30-130	
2,4,6-Trichlorophenol	333	305	91	2	30	30-130	
2,4-Dichlorophenol	333	248	74	0	30	30-130	
2,4-Dimethylphenol	333	266	80	2	30	30-130	
2,4-Dinitrophenol	333	190	57	4	30	30-130	
2,4-Dinitrotoluene	333	295	89	2	30	40-140	
2,6-Dinitrotoluene	333	315	94	2	30	40-140	
2-Chloronaphthalene	333	224	67	2	30	40-140	
2-Chlorophenol	333	273	82	0	30	30-130	
2-Methylnaphthalene	333	243	73	3	30	40-140	
2-Methylphenol	333	284	85	1	30	30-130	
2-Nitroaniline	333	329	99	4	30	40-140	
2-Nitrophenol	333	225	68	1	30	30-130	
3 & 4 Methylphenol	333	328	98	0	30	30-130	
3,3'-Dichlorobenzidine	333	325	98	3	30	40-140	
3-Nitroaniline	333	294	88	11	30	40-140	
4,6-Dinitro-2-methylphenol	333	257	77	1	30	30-130	
4-Bromophenyl phenyl ether	333	293	88	0	30	40-140	
4-Chloro-3-methylphenol	333	281	84	1	30	30-130	
4-Chloroaniline	333	171	51	7	30	40-140	
4-Chlorophenyl phenyl ether	333	299	90	0	30	40-140	
4-Nitroaniline	333	337	101	11	30	40-140	
4-Nitrophenol	333	270	81	12	30	30-130	
Acenaphthene	333	297	89	1	30	40-140	
Acenaphthylene	333	264	79	0	30	40-140	
Acetophenone	333	277	83	2	30	40-140	
Aniline	333	158	48	2	30	40-140	
Anthracene	333	309	93	0	30	40-140	
Atrazine	333	346	104	4	30	40-140	
Azobenzene	333	292	88	2	30	40-140	
Benzaldehyde	333	239	72	5	30	40-140	
Benzo[a]anthracene	333	314	94	0	30	40-140	
Benzo[a]pyrene	333	309	93	3	30	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: B13795.D

Lab ID: LCSD 360-67334/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[b]fluoranthene	333	294	88	2	30	40-140	
Benzo[g,h,i]perylene	333	326	98	5	30	40-140	
Benzo[k]fluoranthene	333	292	88	7	30	40-140	
Benzoic acid	333	152 J	46	4	30	30-130	
Benzophenone	333	301	90	2	30	40-140	
Benzyl alcohol	333	311	93	0	30	30-130	
Bis(2-chloroethoxy)methane	333	233	70	3	30	40-140	
Bis(2-chloroethyl)ether	333	258	77	4	30	40-140	
Bis(2-ethylhexyl) phthalate	333	346	104	7	30	40-140	
Butyl benzyl phthalate	333	312	94	6	30	40-140	
Caprolactam	333	264	79	3	30	40-140	
Carbazole	333	335	101	4	30	40-140	
Chrysene	333	313	94	0	30	40-140	
Dibenz(a,h)anthracene	333	315	95	7	30	40-140	
Dibenzofuran	333	282	85	1	30	40-140	
Diethyl phthalate	333	321	96	2	30	40-140	
Dimethyl phthalate	333	305	91	1	30	40-140	
Di-n-butyl phthalate	333	340	102	3	30	40-140	
Di-n-octyl phthalate	333	331	99	4	30	40-140	
Fluoranthene	333	303	91	2	30	40-140	
Fluorene	333	310	93	1	30	40-140	
Hexachlorobenzene	333	293	88	5	30	40-140	
Hexachlorobutadiene	333	221	66	2	30	40-140	
Hexachlorocyclopentadiene	333	144	43	25	30	40-140	
Hexachloroethane	333	237	71	2	30	40-140	
Indeno[1,2,3-cd]pyrene	333	335	101	7	30	40-140	
Isophorone	333	189	57	3	30	40-140	
Naphthalene	333	229	69	1	30	40-140	
Nitrobenzene	333	228	68	0	30	40-140	
N-Nitrosodi-n-propylamine	333	286	86	5	30	40-140	
N-Nitrosodiphenylamine	333	290	87	1	30	40-140	
Pentachlorophenol	333	287	86	2	30	30-130	
Phenanthrene	333	294	88	1	30	40-140	
Phenol	333	291	87	0	30	30-130	
Diphenyl oxide	333	250	75	5	30	40-140	
Pyrene	333	309	93	3	30	40-140	
N-Nitrosodimethylamine	333	258	77	3	30	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: J2086.D

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	545		371	65	40-140	
1,2,4,5-Tetrachlorobenzene	545		280	51	40-140	
1,2,4-Trichlorobenzene	545		258	47	40-140	
1,2-Dichlorobenzene	545		342	63	40-140	
1,3-Dichlorobenzene	545		357	58	40-140	
1,4-Dichlorobenzene	545		345	63	40-140	
1-Methylnaphthalene	545		265	49	40-140	
N-Nitrosodimethylamine	545		ND	0	40-140	
2,2'-oxybis[1-chloropropane]	545		363	67	40-140	
2,3,4,6-Tetrachlorophenol	545		395	72	40-140	
2,4,5-Trichlorophenol	545		429	79	30-130	
2,4,6-Trichlorophenol	545		499	92	30-130	
2,4-Dichlorophenol	545		301	55	30-130	
2,4-Dimethylphenol	545		323	59	30-130	
2,4-Dinitrophenol	545		ND	0	30-130	
2,4-Dinitrotoluene	545		275	50	40-140	
2,6-Dinitrotoluene	545		280	51	40-140	
2-Chloronaphthalene	545		284	52	40-140	
2-Chlorophenol	545		394	72	30-130	
2-Methylnaphthalene	545		274	50	40-140	
2-Methylphenol	545		402	74	30-130	
2-Nitroaniline	545		433	79	40-140	
2-Nitrophenol	545		182	33	30-130	
3 & 4 Methylphenol	545		4940	476	30-130	E
3,3'-Dichlorobenzidine	545		51.4 J	9	40-140	
3-Nitroaniline	545		23.6 J	4	40-140	
4,6-Dinitro-2-methylphenol	545		50.9 J	9	30-130	
4-Bromophenyl phenyl ether	545		408	75	40-140	
4-Chloro-3-methylphenol	545		341	63	30-130	
4-Chloroaniline	545		59.9 J	11	40-140	
4-Chlorophenyl phenyl ether	545		381	70	40-140	
4-Nitroaniline	545		37.7 J	7	40-140	
4-Nitrophenol	545		384	70	30-130	
Acenaphthene	545		405	74	40-140	
Acenaphthylene	545		321	59	40-140	
Acetophenone	545		544	83	40-140	
Aniline	545		148	27	40-140	
Anthracene	545		347	60	40-140	
Atrazine	545		366	67	40-140	
Azobenzene	545		349	64	40-140	
Benzaldehyde	545		1090	111	40-140	
Benzo[a]anthracene	545		402	63	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: J2086.D

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Benzo[a]pyrene	545		514	86	40-140	
Benzo[b]fluoranthene	545		415	62	40-140	
Benzo[g,h,i]perylene	545		391	62	40-140	
Benzo[k]fluoranthene	545		417	61	40-140	
Benzoic acid	545		396	64	30-130	
Benzophenone	545		392	66	40-140	
Benzyl alcohol	545		501	79	30-130	
Bis(2-chloroethoxy)methane	545		291	53	40-140	
Bis(2-chloroethyl)ether	545		409	75	40-140	
Bis(2-ethylhexyl) phthalate	545		3550	562	40-140	E
Butyl benzyl phthalate	545		381	70	40-140	
Caprolactam	545		68.0	3	40-140	
Carbazole	545		358	66	40-140	
Chrysene	545		434	69	40-140	
Dibenz(a,h)anthracene	545		402	68	40-140	
Dibenzofuran	545		340	62	40-140	
Diethyl phthalate	545		421	77	40-140	
Dimethyl phthalate	545		432	79	40-140	
Di-n-butyl phthalate	545		341	63	40-140	
Di-n-octyl phthalate	545		399	73	40-140	
Fluoranthene	545		465	65	40-140	
Fluorene	545		388	71	40-140	
Hexachlorobenzene	545		403	74	40-140	
Hexachlorobutadiene	545		281	52	40-140	
Hexachlorocyclopentadiene	545		ND	0	40-140	
Hexachloroethane	545		208	38	40-140	
Indeno[1,2,3-cd]pyrene	545		394	61	40-140	
Isophorone	545		232	43	40-140	
Naphthalene	545		266	49	40-140	
Nitrobenzene	545		231	42	40-140	
N-Nitrosodi-n-propylamine	545		484	89	40-140	
N-Nitrosodiphenylamine	545	280	779	91	40-140	
Pentachlorophenol	545		436	80	30-130	
Phenanthrene	545		448	69	40-140	
Phenol	545		2220	212	30-130	E
Diphenyl oxide	545		434	45	40-140	
Pyrene	545		546	80	40-140	
N-Nitrosodimethylamine	545		ND	0	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: J2087.D

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	547	354	62	5	30	40-140	
1,2,4,5-Tetrachlorobenzene	547	283	52	1	30	40-140	
1,2,4-Trichlorobenzene	547	258	47	0	30	40-140	
1,2-Dichlorobenzene	547	341	62	0	30	40-140	
1,3-Dichlorobenzene	547	371	61	4	30	40-140	
1,4-Dichlorobenzene	547	352	64	2	30	40-140	
1-Methylnaphthalene	547	260	48	2	30	40-140	
N-Nitrosodimethylamine	547	ND	0	NC	30	40-140	
2,2'-oxybis[1-chloropropane]	547	334	61	8	30	40-140	
2,3,4,6-Tetrachlorophenol	547	386	71	2	30	40-140	
2,4,5-Trichlorophenol	547	400	73	7	30	30-130	
2,4,6-Trichlorophenol	547	447	82	11	30	30-130	
2,4-Dichlorophenol	547	285	52	5	30	30-130	
2,4-Dimethylphenol	547	307	56	5	30	30-130	
2,4-Dinitrophenol	547	ND	0	NC	30	30-130	
2,4-Dinitrotoluene	547	189	35	37	30	40-140	
2,6-Dinitrotoluene	547	201	37	33	30	40-140	
2-Chloronaphthalene	547	264	48	7	30	40-140	
2-Chlorophenol	547	365	67	8	30	30-130	
2-Methylnaphthalene	547	268	49	2	30	40-140	
2-Methylphenol	547	367	67	9	30	30-130	
2-Nitroaniline	547	357	65	19	30	40-140	
2-Nitrophenol	547	152	28	18	30	30-130	
3 & 4 Methylphenol	547	3830	272	25	30	30-130	E
3,3'-Dichlorobenzidine	547	59.8 J	11	15	30	40-140	
3-Nitroaniline	547	98.5 J	18	123	30	40-140	
4,6-Dinitro-2-methylphenol	547	51.6 J	9	1	30	30-130	
4-Bromophenyl phenyl ether	547	387	71	5	30	40-140	
4-Chloro-3-methylphenol	547	313	57	8	30	30-130	
4-Chloroaniline	547	61.0 J	11	2	30	40-140	
4-Chlorophenyl phenyl ether	547	354	65	8	30	40-140	
4-Nitroaniline	547	206 J	38	138	30	40-140	
4-Nitrophenol	547	329	60	15	30	30-130	
Acenaphthene	547	376	69	7	30	40-140	
Acenaphthylene	547	298	55	7	30	40-140	
Acetophenone	547	506	76	7	30	40-140	
Aniline	547	152	28	2	30	40-140	
Anthracene	547	310	53	11	30	40-140	
Atrazine	547	327	60	11	30	40-140	
Azobenzene	547	167	31	70	30	40-140	
Benzaldehyde	547	1140	120	5	30	40-140	E
Benzo[a]anthracene	547	319	47	23	30	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: J2087.D

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]pyrene	547	386	62	28	30	40-140	
Benzo[b]fluoranthene	547	301	41	32	30	40-140	
Benzo[g,h,i]perylene	547	285	42	31	30	40-140	
Benzo[k]fluoranthene	547	321	43	26	30	40-140	
Benzoic acid	547	252 J	38	44	30	30-130	
Benzophenone	547	348	58	12	30	40-140	
Benzyl alcohol	547	471	73	6	30	30-130	
Bis(2-chloroethoxy)methane	547	276	50	6	30	40-140	
Bis(2-chloroethyl)ether	547	388	71	5	30	40-140	
Bis(2-ethylhexyl) phthalate	547	2160	304	49	30	40-140	E
Butyl benzyl phthalate	547	307	56	21	30	40-140	
Caprolactam	547	60.7	1	11	30	40-140	
Carbazole	547	305	56	16	30	40-140	
Chrysene	547	304	45	35	30	40-140	
Dibenz(a,h)anthracene	547	292	48	32	30	40-140	
Dibenzofuran	547	305	56	11	30	40-140	
Diethyl phthalate	547	370	68	13	30	40-140	
Dimethyl phthalate	547	394	72	9	30	40-140	
Di-n-butyl phthalate	547	331	61	3	30	40-140	
Di-n-octyl phthalate	547	351	64	13	30	40-140	
Fluoranthene	547	374	48	22	30	40-140	
Fluorene	547	353	65	9	30	40-140	
Hexachlorobenzene	547	393	72	2	30	40-140	
Hexachlorobutadiene	547	289	53	3	30	40-140	
Hexachlorocyclopentadiene	547	ND	0	NC	30	40-140	
Hexachloroethane	547	148	27	34	30	40-140	
Indeno[1,2,3-cd]pyrene	547	300	44	27	30	40-140	
Isophorone	547	224	41	4	30	40-140	
Naphthalene	547	266	49	0	30	40-140	
Nitrobenzene	547	215	39	7	30	40-140	
N-Nitrosodi-n-propylamine	547	443	81	9	30	40-140	
N-Nitrosodiphenylamine	547	804	95	3	30	40-140	
Pentachlorophenol	547	379	69	14	30	30-130	
Phenanthrene	547	399	60	12	30	40-140	
Phenol	547	1960	165	12	30	30-130	E
Diphenyl oxide	547	474	52	9	30	40-140	
Pyrene	547	394	51	32	30	40-140	
N-Nitrosodimethylamine	547	ND	0	NC	30	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: B13793.D Lab Sample ID: MB 360-67334/1-A

Matrix: Solid Date Extracted: 12/17/2010 11:39

Instrument ID: Inst. B Date Analyzed: 12/21/2010 01:26

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-67334/2-A	B13794.D	12/21/2010 02:01
	LCSD 360-67334/3-A	B13795.D	12/21/2010 02:38
OC-SD-ISCO-2-XXX	360-31465-1	B13796.D	12/21/2010 03:14
OC-SD-SD-1-XXX	360-31465-5	B13800.D	12/21/2010 05:39
OC-SD-SDSW-E-XXX	360-31465-7	B13802.D	12/21/2010 06:52
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11	J2083.D	12/21/2010 20:09
OC-SD-SD-SD2-DUP	360-31465-12	J2084.D	12/21/2010 20:41
OC-SD-SD-SD2-XXX	360-31465-13	J2085.D	12/21/2010 21:13
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	J2086.D	12/21/2010 21:45
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	J2087.D	12/21/2010 22:17
OC-SD-LB-1-XXX	360-31465-2	B13812.D	12/22/2010 10:55
OC-SD-LB-2-XXX	360-31465-3	B13814.D	12/22/2010 12:06
OC-SD-LB-3-XXX	360-31465-4	B13815.D	12/22/2010 12:42
OC-SD-SD-1-XXX DL	360-31465-5 DL	B13817.D	12/22/2010 13:53
OC-SD-SD-SD3-XXX	360-31465-6	B13818.D	12/22/2010 14:29
OC-SD-OPWD-1-XXX	360-31465-9	B13820.D	12/22/2010 15:41
OC-SD-OPWD-2-XXX	360-31465-10	J2105.D	12/23/2010 12:54
OC-SD-SD-SD2-DUP DL	360-31465-12 DL	J2113.D	12/23/2010 17:11
OC-SD-SD-SD2-XXX DL	360-31465-13 DL	J2114.D	12/23/2010 17:43
OC-SD-ISCO-2-XXX DL	360-31465-1 DL	J2116.D	12/23/2010 18:47
OC-SD-ISCO-2-XXX	360-31465-1		01/06/2011 11:51
OC-SD-SD-1-XXX	360-31465-5		01/06/2011 12:26
OC-SD-SD-SD2-DUP	360-31465-12		01/06/2011 13:01
OC-SD-SD-SD2-XXX	360-31465-13		01/06/2011 13:36

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: B13776.D DFTPP Injection Date: 12/20/2010

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

Analysis Batch No.: 67431

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	31.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.5	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	57.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	25.7	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	8.6	
442	Greater than 40.0 % of mass 198	53.0	
443	17.0 - 23.0 % of mass 442	10.4	(19.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD02 360-67431/2	B13777.D	12/20/2010	15:53
	STD05 360-67431/3	B13778.D	12/20/2010	16:29
	STD1 360-67431/4	B13779.D	12/20/2010	17:05
	STD25 360-67431/5	B13780.D	12/20/2010	17:40
	STD5 360-67431/6	B13781.D	12/20/2010	18:16
	STD8 360-67431/7	B13782.D	12/20/2010	18:51
	STD10 360-67431/8	B13783.D	12/20/2010	19:27
	STD15 360-67431/9	B13784.D	12/20/2010	20:03
	STD20 360-67431/10	B13785.D	12/20/2010	20:38

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: B13787.D DFTPP Injection Date: 12/20/2010

Instrument ID: Inst. B DFTPP Injection Time: 21:50

Analysis Batch No.: 67459

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	31.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.1	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	57.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	25.5	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	9.3	
442	Greater than 40.0 % of mass 198	57.3	
443	17.0 - 23.0 % of mass 442	10.9	(19.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 360-67459/13	B13788.D	12/20/2010	22:26
	MB 360-67334/1-A	B13793.D	12/21/2010	01:26
	LCS 360-67334/2-A	B13794.D	12/21/2010	02:01
	LCSD 360-67334/3-A	B13795.D	12/21/2010	02:38
OC-SD-ISCO-2-XXX	360-31465-1	B13796.D	12/21/2010	03:14
OC-SD-SD-1-XXX	360-31465-5	B13800.D	12/21/2010	05:39
OC-SD-SD-SD3-XXX	360-31465-6	B13801.D	12/21/2010	06:16
OC-SD-SDSW-E-XXX	360-31465-7	B13802.D	12/21/2010	06:52
OC-SD-OPWD-1-XXX	360-31465-9	B13805.D	12/21/2010	08:40
OC-SD-OPWD-2-XXX	360-31465-10	B13806.D	12/21/2010	09:16

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: B13808.D DFTPP Injection Date: 12/22/2010

Instrument ID: Inst. B DFTPP Injection Time: 08:34

Analysis Batch No.: 67515

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	30.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	36.9	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	56.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	25.9	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	9.4	
442	Greater than 40.0 % of mass 198	57.3	
443	17.0 - 23.0 % of mass 442	11.1	(19.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 360-67515/13	B13809.D	12/22/2010	09:09
OC-SD-LB-1-XXX	360-31465-2	B13812.D	12/22/2010	10:55
OC-SD-LB-2-XXX	360-31465-3	B13814.D	12/22/2010	12:06
OC-SD-LB-3-XXX	360-31465-4	B13815.D	12/22/2010	12:42
OC-SD-SD-1-XXX DL	360-31465-5 DL	B13817.D	12/22/2010	13:53
OC-SD-SD-SD3-XXX	360-31465-6	B13818.D	12/22/2010	14:29
OC-SD-OPWD-1-XXX	360-31465-9	B13820.D	12/22/2010	15:41

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: J2071.D DFTPP Injection Date: 12/21/2010

Instrument ID: Inst. J DFTPP Injection Time: 13:39

Analysis Batch No.: 67510

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	34.4	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	58.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	23.9	
365	Greater than 1.0 % of mass 198	2.5	
441	Present but less than mass 443	6.1	
442	Greater than 40.0 % of mass 198	41.0	
443	17.0 - 23.0 % of mass 442	8.0	(19.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD02 360-67510/2	J2072.D	12/21/2010	14:12
	STD05 360-67510/3	J2073.D	12/21/2010	14:44
	STD1 360-67510/4	J2074.D	12/21/2010	15:17
	STD25 360-67510/5	J2075.D	12/21/2010	15:50
	STD5 360-67510/6	J2076.D	12/21/2010	16:22
	STD8 360-67510/7	J2077.D	12/21/2010	16:55
	STD10 360-67510/8	J2078.D	12/21/2010	17:27
	STD15 360-67510/9	J2079.D	12/21/2010	18:00
	STD20 360-67510/10	J2080.D	12/21/2010	18:32
	ICV 360-67510/11	J2081.D	12/21/2010	19:04
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11	J2083.D	12/21/2010	20:09
OC-SD-SD-SD2-DUP	360-31465-12	J2084.D	12/21/2010	20:41
OC-SD-SD-SD2-XXX	360-31465-13	J2085.D	12/21/2010	21:13
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	J2086.D	12/21/2010	21:45
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	J2087.D	12/21/2010	22:17

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: J2103.D DFTPP Injection Date: 12/23/2010

Instrument ID: Inst. J DFTPP Injection Time: 11:26

Analysis Batch No.: 67612

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	36.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	33.3	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	57.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	25.6	
365	Greater than 1.0 % of mass 198	2.7	
441	Present but less than mass 443	6.5	
442	Greater than 40.0 % of mass 198	44.5	
443	17.0 - 23.0 % of mass 442	8.5	(19.2)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 360-67612/13	J2104.D	12/23/2010	11:58
OC-SD-OPWD-2-XXX	360-31465-10	J2105.D	12/23/2010	12:54
OC-SD-SD-SD2-DUP DL	360-31465-12 DL	J2113.D	12/23/2010	17:11
OC-SD-SD-SD2-XXX DL	360-31465-13 DL	J2114.D	12/23/2010	17:43
OC-SD-ISCO-2-XXX DL	360-31465-1 DL	J2116.D	12/23/2010	18:47

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67459/13 Date Analyzed: 12/20/2010 22:26

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

Lab File ID (Standard): B13788.D Heated Purge: (Y/N) N

Calibration ID: 10902

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		104298	9.68	369661	11.29	191346	13.41
UPPER LIMIT		208596	10.18	739322	11.79	382692	13.91
LOWER LIMIT		52149	9.18	184831	10.79	95673	12.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-67334/1-A		147157	9.69	545844	11.29	295073	13.41
LCS 360-67334/2-A		124613	9.69	536291	11.29	260899	13.41
LCSD 360-67334/3-A		128300	9.69	552542	11.29	277633	13.41
360-31465-1	OC-SD-ISCO-2-XXX	73532	9.68	296797	11.29	199682	13.42
360-31465-5	OC-SD-SD-1-XXX	80187	9.68	317841	11.29	199511	13.41
360-31465-7	OC-SD-SDSW-E-XXX	94204	9.68	362577	11.29	193799	13.41

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67459/13 Date Analyzed: 12/20/2010 22:26

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

Lab File ID (Standard): B13788.D Heated Purge: (Y/N) N

Calibration ID: 10902

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		270721	14.95	210247	17.69	154538	20.35
UPPER LIMIT		541442	15.45	420494	18.19	309076	20.85
LOWER LIMIT		135361	14.45	105124	17.19	77269	19.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-67334/1-A		459413	14.94	386701	17.69	271284	20.34
LCS 360-67334/2-A		419731	14.95	374398	17.70	273962	20.34
LCSD 360-67334/3-A		438738	14.95	390741	17.70	288866	20.35
360-31465-1	OC-SD-ISCO-2-XXX	392040	14.95	293894	17.72	129316	20.40
360-31465-5	OC-SD-SD-1-XXX	350775	14.95	286304	17.71	147459	20.38
360-31465-7	OC-SD-SDSW-E-XXX	344516	14.95	240644	17.70	127965	20.36

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67515/13 Date Analyzed: 12/22/2010 09:09

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

Lab File ID (Standard): B13809.D Heated Purge: (Y/N) N

Calibration ID: 10902

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		112405	9.61	403937	11.22	231811	13.35
UPPER LIMIT		224810	10.11	807874	11.72	463622	13.85
LOWER LIMIT		56203	9.11	201969	10.72	115906	12.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-31465-2	OC-SD-LB-1-XXX	122741	9.62	453987	11.23	256759	13.34
360-31465-3	OC-SD-LB-2-XXX	113068	9.62	415672	11.23	245836	13.34
360-31465-4	OC-SD-LB-3-XXX	103223	9.62	361485	11.23	209277	13.35
360-31465-5 DL	OC-SD-SD-1-XXX DL	130647	9.61	442079	11.23	278219	13.35
360-31465-6	OC-SD-SD-SD3-XXX	130576	9.62	489055	11.23	276449	13.35
360-31465-9	OC-SD-OPWD-1-XXX	181205	9.63	690313	11.23	408652	13.35

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67515/13 Date Analyzed: 12/22/2010 09:09

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

Lab File ID (Standard): B13809.D Heated Purge: (Y/N) N

Calibration ID: 10902

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		370067	14.88	317954	17.59	198877	20.16
UPPER LIMIT		740134	15.38	635908	18.09	397754	20.66
LOWER LIMIT		185034	14.38	158977	17.09	99439	19.66
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-31465-2	OC-SD-LB-1-XXX	410783	14.88	305493	17.58	199457	20.16
360-31465-3	OC-SD-LB-2-XXX	387945	14.88	310667	17.59	201730	20.16
360-31465-4	OC-SD-LB-3-XXX	340143	14.88	269521	17.59	175291	20.17
360-31465-5 DL	OC-SD-SD-1-XXX DL	432529	14.88	334113	17.59	222500	20.17
360-31465-6	OC-SD-SD-SD3-XXX	441861	14.88	362090	17.59	220509	20.17
360-31465-9	OC-SD-OPWD-1-XXX	725496	14.88	526667	17.59	276908	20.17

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: STD5 360-67510/6 Date Analyzed: 12/21/2010 16:22

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

Lab File ID (Standard): J2076.D Heated Purge: (Y/N) N

Calibration ID: 10907

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		88654	7.93	346604	9.26	180093	11.04
UPPER LIMIT		177308	8.43	693208	9.76	360186	11.54
LOWER LIMIT		44327	7.43	173302	8.76	90047	10.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 360-67510/11		89771	7.93	374701	9.26	179084	11.04
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	73138	7.93	295236	9.26	159367	11.04
360-31465-12	OC-SD-SD-SD2-DUP	85405	7.93	376812	9.26	181754	11.04
360-31465-13	OC-SD-SD-SD2-XXX	86045	7.93	381679	9.26	179681	11.04
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	84187	7.93	448232	9.26	178240	11.04
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	81716	7.93	415978	9.26	172039	11.05

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: STD5 360-67510/6 Date Analyzed: 12/21/2010 16:22

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

Lab File ID (Standard): J2076.D Heated Purge: (Y/N) N

Calibration ID: 10907

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		304884	12.54	180147	15.14	62765	16.36
UPPER LIMIT		609768	13.04	360294	15.64	125530	16.86
LOWER LIMIT		152442	12.04	90074	14.64	31383	15.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 360-67510/11		306697	12.54	188892	15.14	61481	16.37
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	279017	12.55	121540	15.14	44476	16.37
360-31465-12	OC-SD-SD-SD2-DUP	306555	12.54	158614	15.14	55484	16.37
360-31465-13	OC-SD-SD-SD2-XXX	297844	12.54	141280	15.15	49020	16.37
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	301868	12.55	143329	15.15	52302	16.38
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	285516	12.55	154496	15.15	54441	16.38

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67612/13 Date Analyzed: 12/23/2010 11:58

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

Lab File ID (Standard): J2104.D Heated Purge: (Y/N) N

Calibration ID: 10907

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		62204	7.80	237050	9.12	123946	10.90
UPPER LIMIT		124408	8.30	474100	9.62	247892	11.40
LOWER LIMIT		31102	7.30	118525	8.62	61973	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-31465-10	OC-SD-OPWD-2-XXX	73944	7.79	290138	9.12	148425	10.90
360-31465-12 DL	OC-SD-SD-SD2-DUP DL	78547	7.80	305308	9.12	154107	10.90
360-31465-13 DL	OC-SD-SD-SD2-XXX DL	78206	7.80	307510	9.12	156758	10.90
360-31465-1 DL	OC-SD-ISCO-2-XXX DL	69455	7.80	265853	9.12	139981	10.90

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVIS 360-67612/13 Date Analyzed: 12/23/2010 11:58

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

Lab File ID (Standard): J2104.D Heated Purge: (Y/N) N

Calibration ID: 10907

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		221660	12.39	142796	14.98	46249	16.19
UPPER LIMIT		443320	12.89	285592	15.48	92498	16.69
LOWER LIMIT		110830	11.89	71398	14.48	23125	15.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-31465-10	OC-SD-OPWD-2-XXX	255023	12.39	150327	14.99	48916	16.20
360-31465-12 DL	OC-SD-SD-SD2-DUP DL	219604	12.39	115139	14.99	41280	16.21
360-31465-13 DL	OC-SD-SD-SD2-XXX DL	229729	12.40	122572	14.99	44476	16.21
360-31465-1 DL	OC-SD-ISCO-2-XXX DL	213401	12.40	97564	14.99	37153	16.21

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID:

Analysis Method: 8270D Date Collected: 12/09/2010 12:00

Extract. Method: 3546 Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.90(g) Date Analyzed: 01/06/2011 11:51

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

Injection Volume: Level: (low/med) Low

% Moisture: 47.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 68210 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-30-6	N-Nitrosodiphenylamine	1600		62	19
122-39-4	Diphenylamine	95		62	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: B13796.D

Analysis Method: 8270D | Date Collected: 12/09/2010 12:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.90(g) | Date Analyzed: 12/21/2010 03:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 47.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	320		310	93
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		310	93
120-82-1	1,2,4-Trichlorobenzene	ND		310	93
95-50-1	1,2-Dichlorobenzene	ND		310	93
541-73-1	1,3-Dichlorobenzene	ND		310	93
106-46-7	1,4-Dichlorobenzene	ND		310	93
90-12-0	1-Methylnaphthalene	ND		310	93
62-75-9	N-Nitrosodimethylamine	ND		310	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		310	93
58-90-2	2,3,4,6-Tetrachlorophenol	ND		310	93
95-95-4	2,4,5-Trichlorophenol	ND		310	93
88-06-2	2,4,6-Trichlorophenol	ND		310	93
120-83-2	2,4-Dichlorophenol	ND		310	93
105-67-9	2,4-Dimethylphenol	ND		310	120
51-28-5	2,4-Dinitrophenol	ND		310	93
121-14-2	2,4-Dinitrotoluene	ND		310	93
606-20-2	2,6-Dinitrotoluene	ND		310	93
91-58-7	2-Chloronaphthalene	ND		310	93
95-57-8	2-Chlorophenol	ND		310	93
91-57-6	2-Methylnaphthalene	ND		310	93
95-48-7	2-Methylphenol	ND		310	190
88-74-4	2-Nitroaniline	ND		1600	93
88-75-5	2-Nitrophenol	ND		310	93
15831-10-4	3 & 4 Methylphenol	ND		310	93
91-94-1	3,3'-Dichlorobenzidine	ND		620	93
99-09-2	3-Nitroaniline	ND		1600	93
534-52-1	4,6-Dinitro-2-methylphenol	ND		1600	93
101-55-3	4-Bromophenyl phenyl ether	ND		310	93
59-50-7	4-Chloro-3-methylphenol	ND		620	93
106-47-8	4-Chloroaniline	ND		620	93
7005-72-3	4-Chlorophenyl phenyl ether	ND		310	93
100-01-6	4-Nitroaniline	ND		1600	93
100-02-7	4-Nitrophenol	ND		1600	93
83-32-9	Acenaphthene	ND		310	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: B13796.D

Analysis Method: 8270D | Date Collected: 12/09/2010 12:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.90(g) | Date Analyzed: 12/21/2010 03:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 47.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		310	93
98-86-2	Acetophenone	ND		310	93
62-53-3	Aniline	230	J	310	93
120-12-7	Anthracene	ND		310	93
1912-24-9	Atrazine	ND		310	93
103-33-3	Azobenzene	ND		310	93
100-52-7	Benzaldehyde	120	J	310	93
56-55-3	Benzo[a]anthracene	ND		310	93
50-32-8	Benzo[a]pyrene	ND	E	310	93
205-99-2	Benzo[b]fluoranthene	ND		310	93
191-24-2	Benzo[g,h,i]perylene	ND		310	93
207-08-9	Benzo[k]fluoranthene	ND		310	93
65-85-0	Benzoic acid	430	J	1600	140
119-61-9	Benzophenone	ND		310	93
100-51-6	Benzyl alcohol	ND		620	260
111-91-1	Bis(2-chloroethoxy)methane	ND		310	93
111-44-4	Bis(2-chloroethyl)ether	ND		310	93
85-68-7	Butyl benzyl phthalate	ND		310	93
105-60-2	Caprolactam	ND		310	93
86-74-8	Carbazole	ND		310	93
218-01-9	Chrysene	ND		310	93
53-70-3	Dibenz(a,h)anthracene	ND		310	93
132-64-9	Dibenzofuran	ND		310	93
84-66-2	Diethyl phthalate	ND		310	93
131-11-3	Dimethyl phthalate	ND		310	93
84-74-2	Di-n-butyl phthalate	ND		310	270
117-84-0	Di-n-octyl phthalate	ND		310	160
206-44-0	Fluoranthene	ND		310	93
86-73-7	Fluorene	ND		310	93
118-74-1	Hexachlorobenzene	ND		310	93
87-68-3	Hexachlorobutadiene	ND		310	93
77-47-4	Hexachlorocyclopentadiene	ND		620	93
67-72-1	Hexachloroethane	ND		310	93
193-39-5	Indeno[1,2,3-cd]pyrene	ND		310	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: B13796.D

Analysis Method: 8270D | Date Collected: 12/09/2010 12:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.90(g) | Date Analyzed: 12/21/2010 03:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 47.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		310	93
91-20-3	Naphthalene	ND		750	93
98-95-3	Nitrobenzene	ND		310	93
621-64-7	N-Nitrosodi-n-propylamine	ND		310	93
87-86-5	Pentachlorophenol	ND		310	93
85-01-8	Phenanthrene	ND		370	93
108-95-2	Phenol	130	J	310	93
101-84-8	Diphenyl oxide	2600		310	93
129-00-0	Pyrene	ND		310	93
62-75-9	N-Nitrosodimethylamine	ND		310	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	39		30-130
4165-62-2	Phenol-d5	52		30-130
4165-60-0	Nitrobenzene-d5	47		30-130
118-79-6	2,4,6-Tribromophenol	74		30-130
1718-51-0	Terphenyl-d14	69		30-130
321-60-8	2-Fluorobiphenyl	48		30-130
118-79-6	2,4,6-Tribromophenol	74		30-130
321-60-8	2-Fluorobiphenyl	48		30-130
367-12-4	2-Fluorophenol	39		30-130
4165-60-0	Nitrobenzene-d5	47		30-130
4165-62-2	Phenol-d5	52		30-130
1718-51-0	Terphenyl-d14	69		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: B13796.D

Analysis Method: 8270D | Date Collected: 12/09/2010 12:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.90(g) | Date Analyzed: 12/21/2010 03:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 47.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 100

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
122-66-7	1,2-Diphenylhydrazine	14.14	100	J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D
Lims ID: 360-31465-A-1-C
Client ID: OC-SD-ISCO-2-XXX
Inject. Date: 21-Dec-2010 03:14:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 360-31464-A-1-C 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. B
Vol. Injected: 2.0000
ALS Bottle#: 23
Lims Batch ID: 67459
Lims Sample ID: 21
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 15:02:47
Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 21-Dec-2010 15:02:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.678	9.676	0.002	91	73532	4.00	
* 2 Naphthalene-d8	136	11.294	11.292	0.002	99	296797	4.00	
* 3 Acenaphthene-d10	164	13.415	13.412	0.003	92	199682	4.00	
* 4 Phenanthrene-d10	188	14.954	14.946	0.008	96	392040	4.00	
* 5 Chrysene-d12	240	17.724	17.692	0.032	96	293894	4.00	
* 6 Perylene-d12	264	20.402	20.347	0.056	96	129316	4.00	
$ 7 2-Fluorophenol	112	8.010	8.002	0.008	80	16610	0.7823	
$ 8 Phenol-d5	99	9.140	9.137	0.003	87	17124	1.05	
$ 9 Nitrobenzene-d5	82	10.371	10.368	0.003	83	7291	0.4741	
$ 10 2-Fluorobiphenyl	172	12.602	12.600	0.002	88	25485	0.4813	
$ 11 2,4,6-Tribromophenol	330	14.256	14.244	0.012	50	6531	1.48	
$ 12 Terphenyl-d14	244	16.401	16.379	0.022	58	30905	0.6890	
17 Benzaldehyde	105	9.135	9.132	0.003	48	4322	0.3919	
18 Phenol	94	9.154	9.152	0.002	93	6740	0.4240	
19 Aniline	93	9.255	9.253	0.002	99	12804	0.7534	
30 Acetophenone	105	10.159	10.157	0.002	92	3220	0.1654	
36 Benzoic acid	105	10.808	10.820	-0.012	70	3950	1.40	
52 1,1'-Biphenyl	154	12.727	12.725	0.002	92	55436	1.04	
54 Phenyl ether	170	12.838	12.840	-0.002	89	203078	8.29	
72 N-Nitrosodiphenylamine	169	14.078	14.076	0.002	50	208868	5.34	
71 Diphenylamine	169	14.078	14.076	0.002	0	208868	4.57	
82 DFTPP	198	15.026	15.076	-0.050	0	25083	0	
92 Bis(2-ethylhexyl) phthalate	149	17.435	17.435	0.022	92	38333779	777.7	5M
99 Benzo[a]pyrene	252	20.267	20.217	0.050	1	3294429	121.9	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D		
Lims ID:	360-31465-A-1-C	Client ID:	OC-SD-ISCO-2-XXX
Inject. Date:	21-Dec-2010 03:14:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	360-31464-A-1-C 5X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	23
Lims Batch ID:	67459	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 15:02:47	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 15:02:47

Calibrated Tentative Identified Compound Results

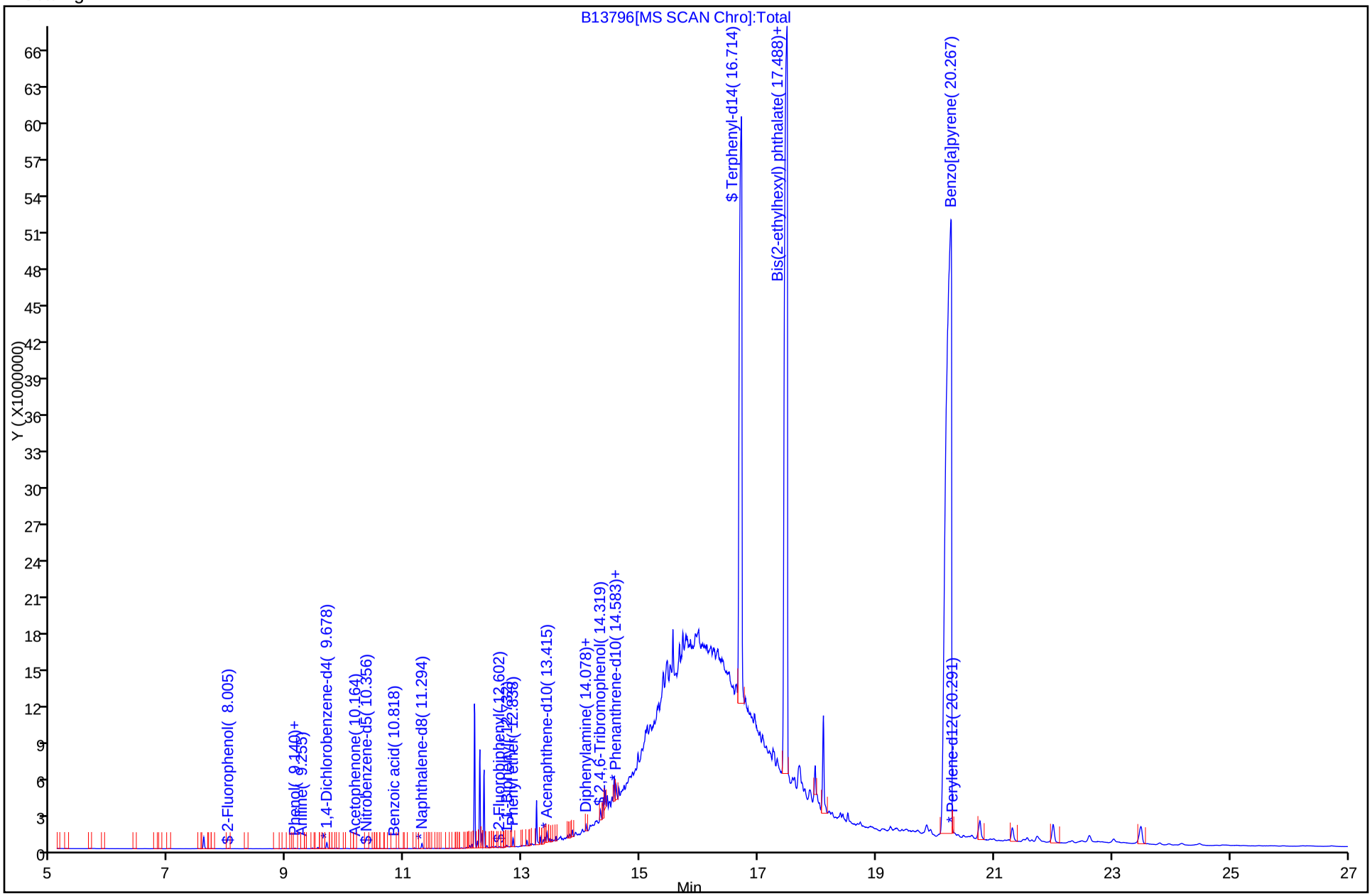
Compound	RT	Response	Amount ug/mL	Flags
1,4-Dioxane	5.658	404	0.0658	
1,2-Diphenylhydrazine	14.141	20490	0.3345	

Report Date: 21-Dec-2010 15:02:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

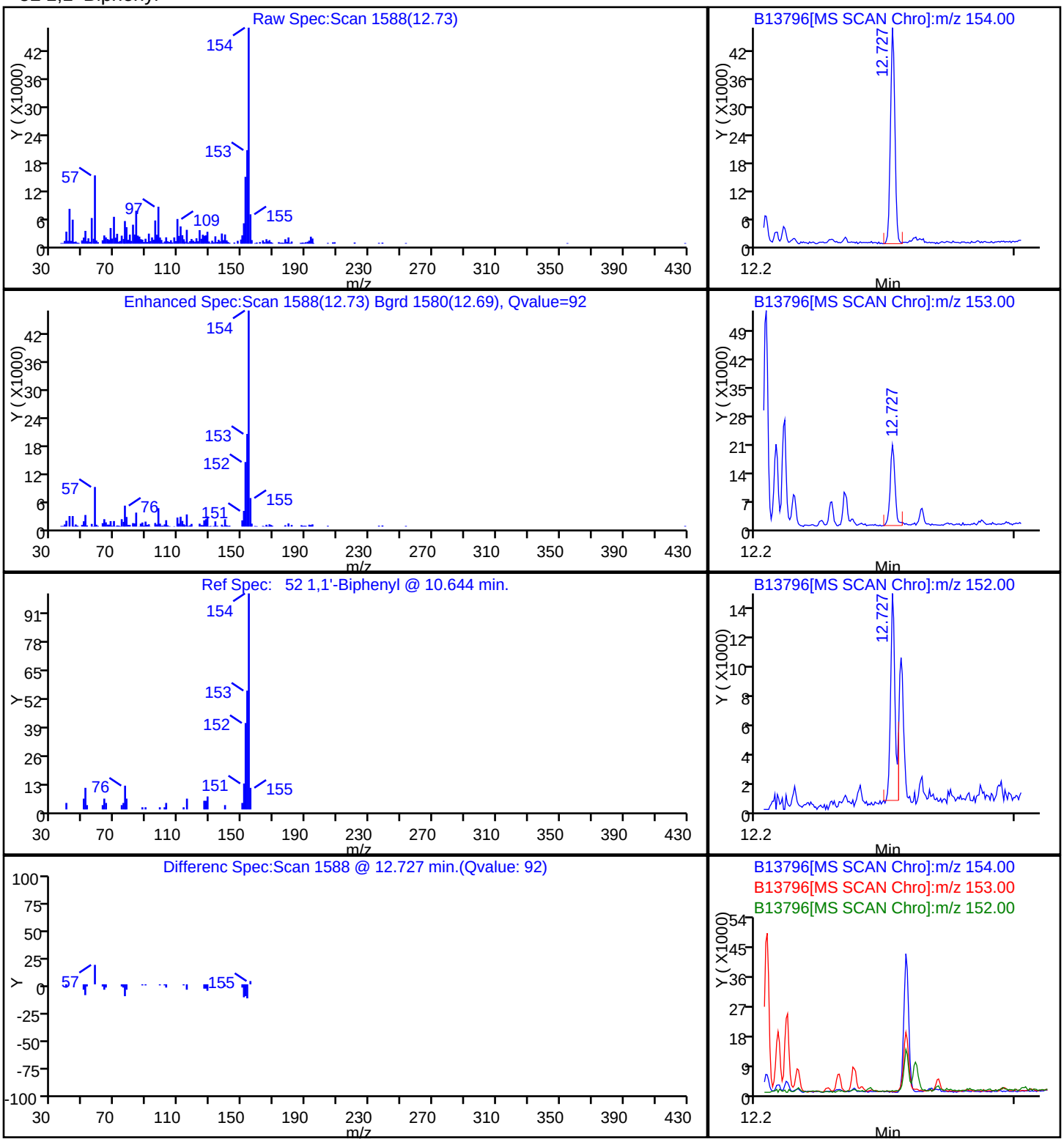


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

52 1,1'-Biphenyl

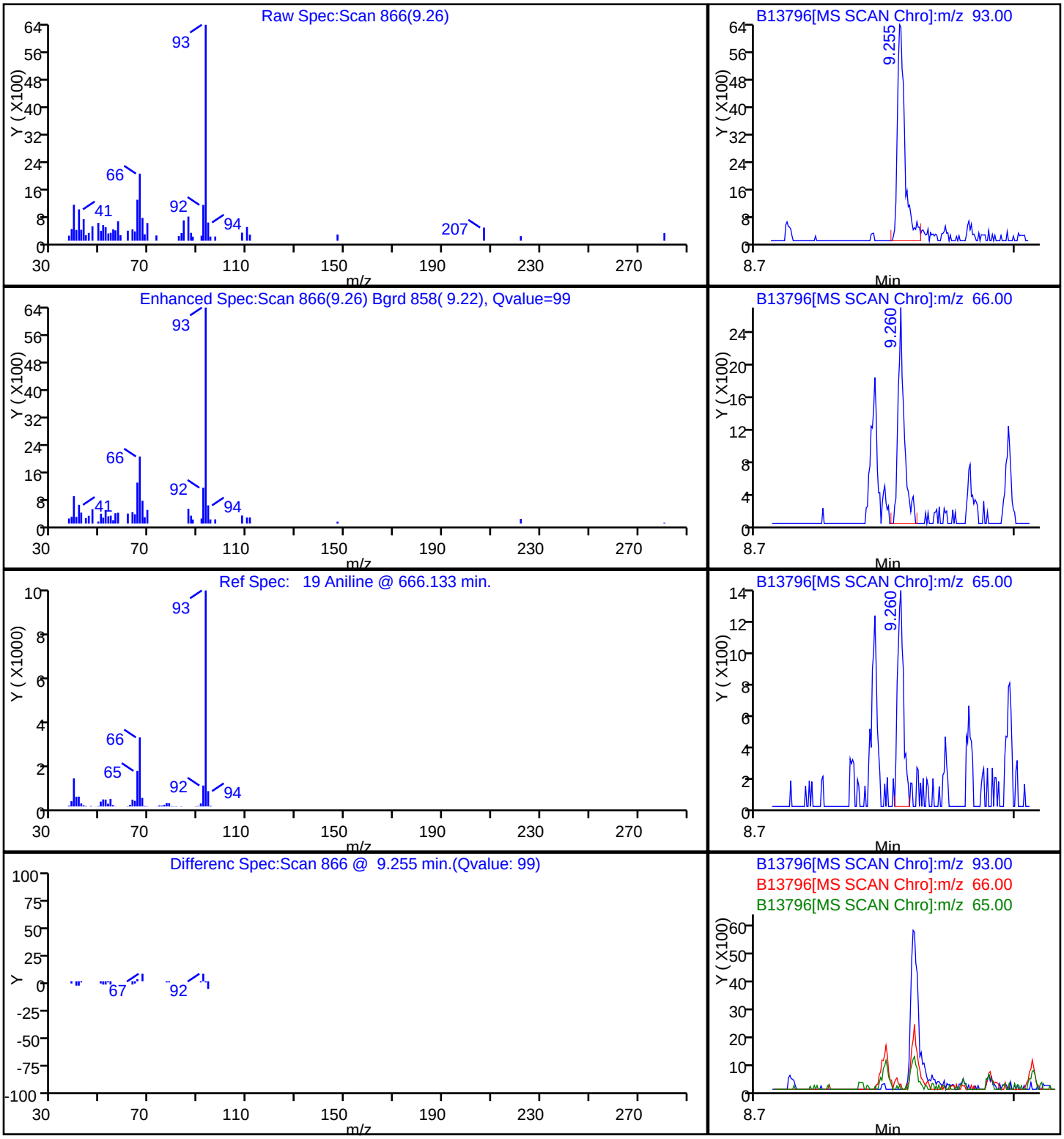


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

19 Aniline

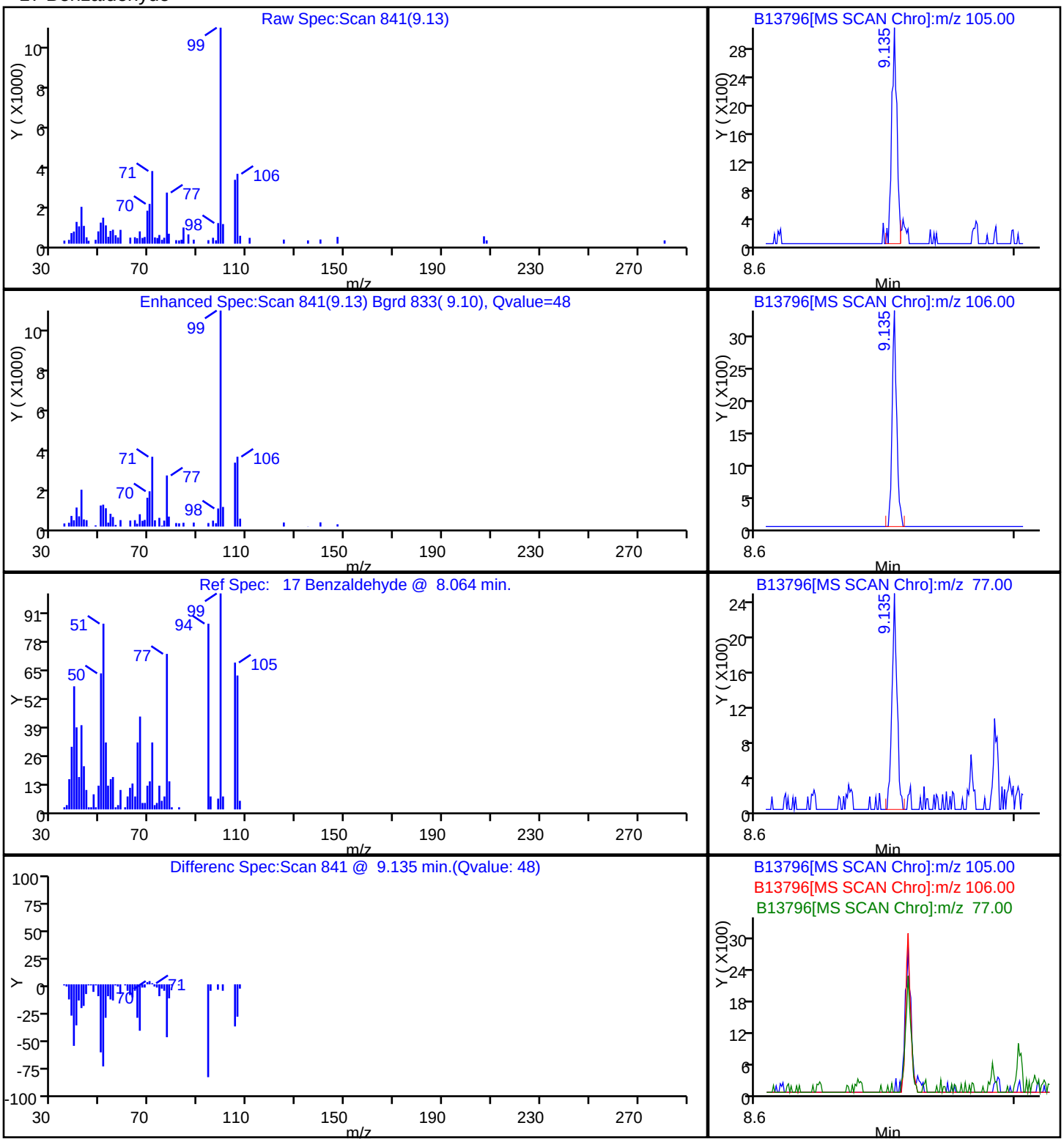


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

17 Benzaldehyde

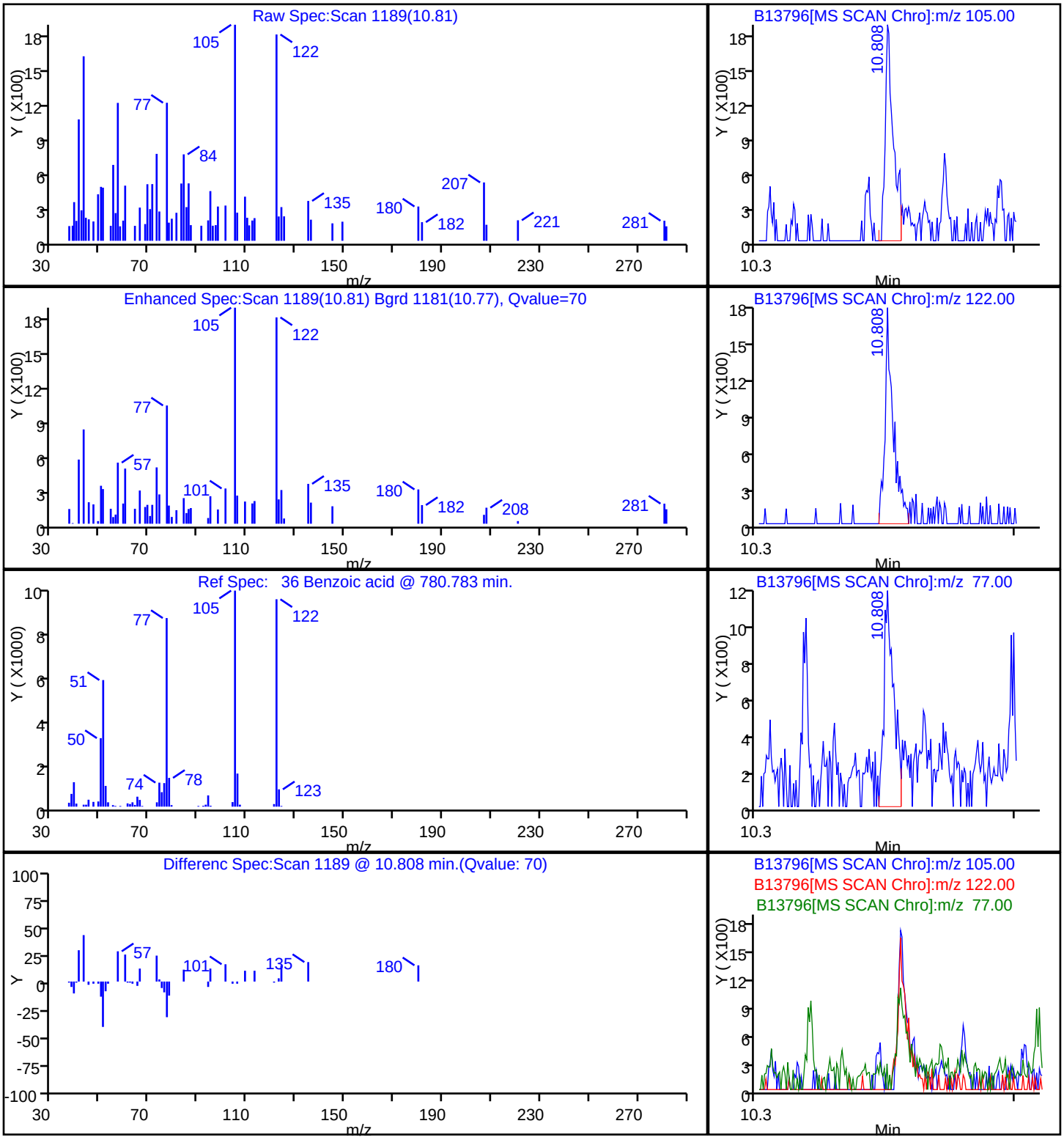


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid

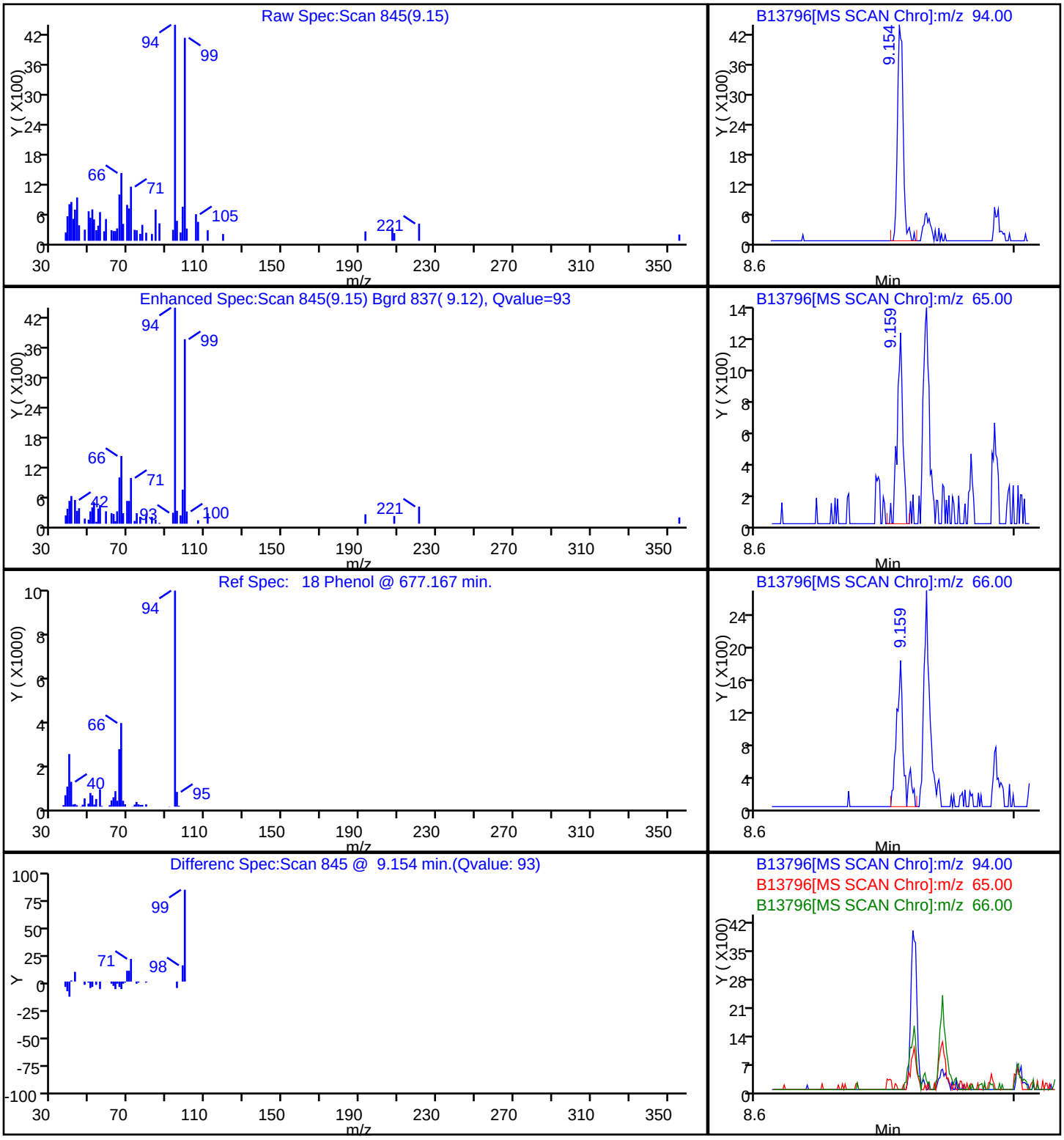


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

18 Phenol

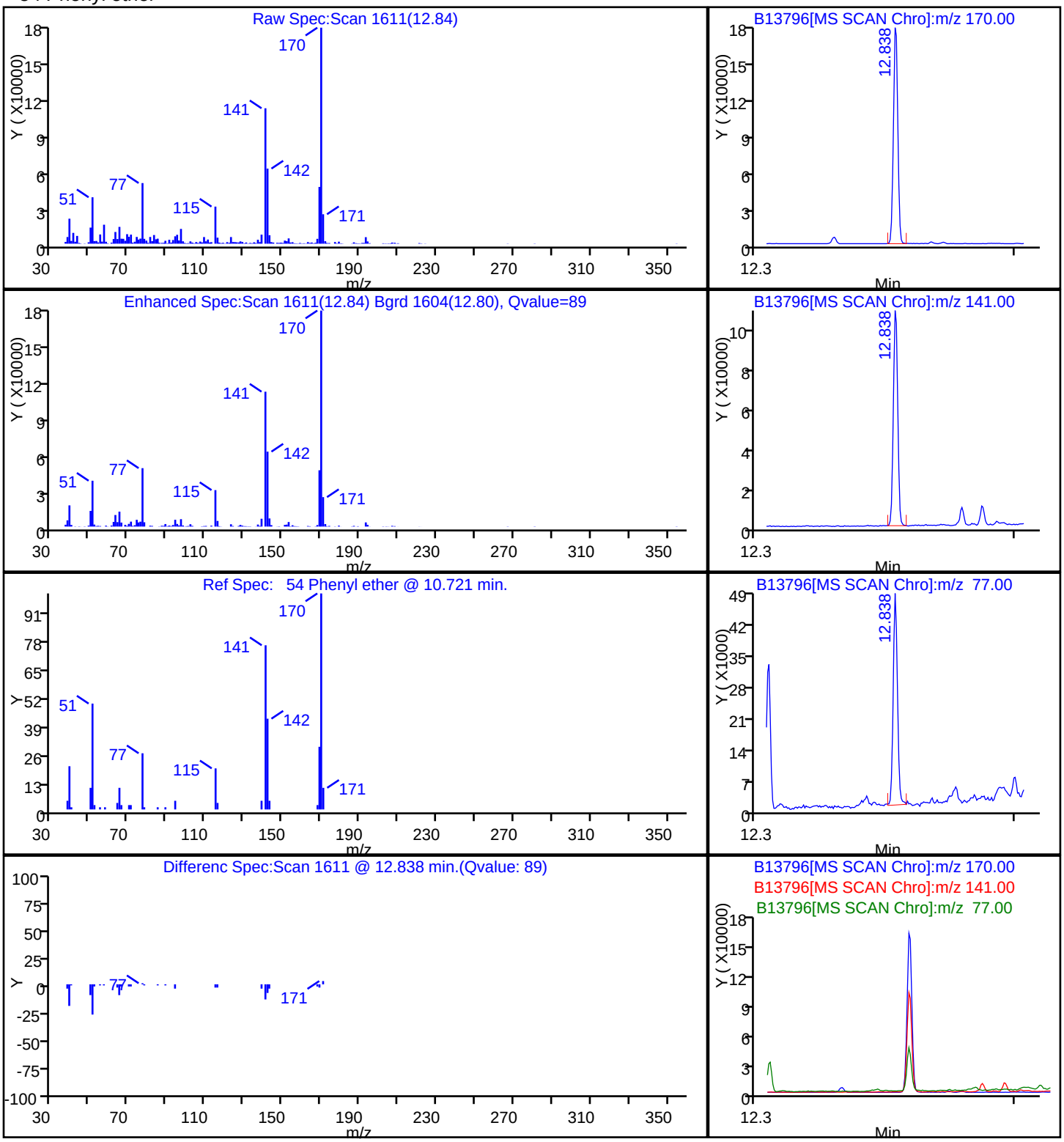


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

54 Phenyl ether

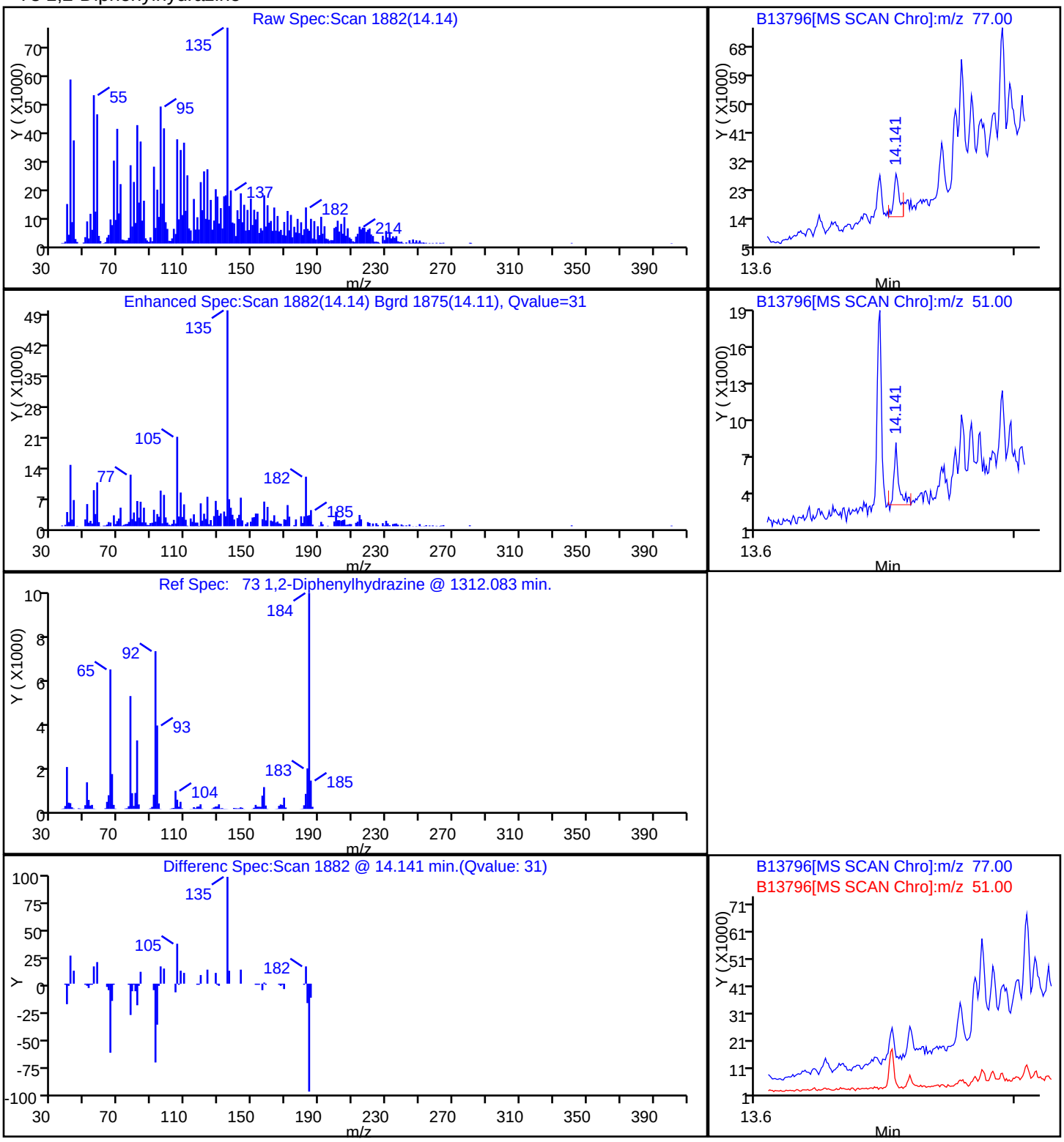


Report Date: 21-Dec-2010 15:02:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13796.D

Injection Date:	21-Dec-2010 03:14:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

73 1,2-Diphenylhydrazine



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX DL | Lab Sample ID: 360-31465-1 DL

Matrix: Solid | Lab File ID: J2116.D

Analysis Method: 8270D | Date Collected: 12/09/2010 12:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.90(g) | Date Analyzed: 12/23/2010 18:47

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 47.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	280000		62000	19000

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2116.D		
Lims ID:	360-31465-A-5-D	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	23-Dec-2010 18:47:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-5-D RR 1000X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	67612	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m		
Last Update:	30-Dec-2010 12:46:08	Calib Date:	21-Dec-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESWEIGEL		
First Level Reviewer: weigelb		Date:	30-Dec-2010 12:53:06

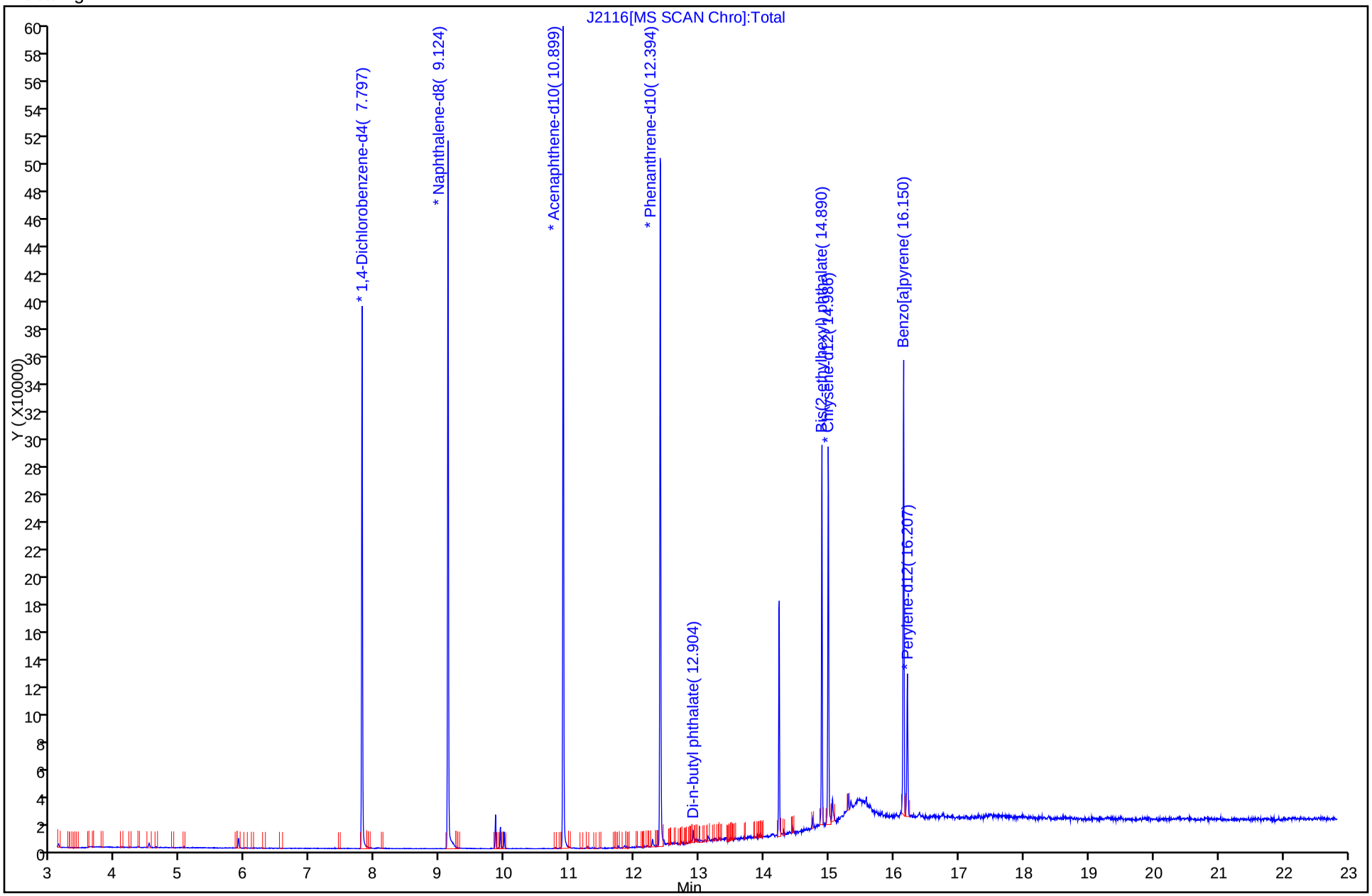
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.797	7.796	0.001	94	69455	4.00	
* 2 Naphthalene-d8	136	9.124	9.118	0.006	99	265853	4.00	
* 3 Acenaphthene-d10	164	10.899	10.898	0.0	91	139981	4.00	
* 4 Phenanthrene-d10	188	12.399	12.388	0.011	96	213401	4.00	
* 5 Chrysene-d12	240	14.986	14.980	0.006	77	97564	4.00	
* 6 Perylene-d12	264	16.207	16.192	0.015	96	37153	4.00	
84 Di-n-butyl phthalate	149	12.904	12.903	0.001	99	3716	0.0701	
91 Bis(2-ethylhexyl) phthalate	149	14.890	14.884	0.006	91	82137	4.46	
99 Benzo[a]pyrene	252	16.150	16.144	0.006	0	3176	0.4255	

Report Date: 30-Dec-2010 12:53:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2116.D

Injection Date:	23-Dec-2010 18:47:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	25
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

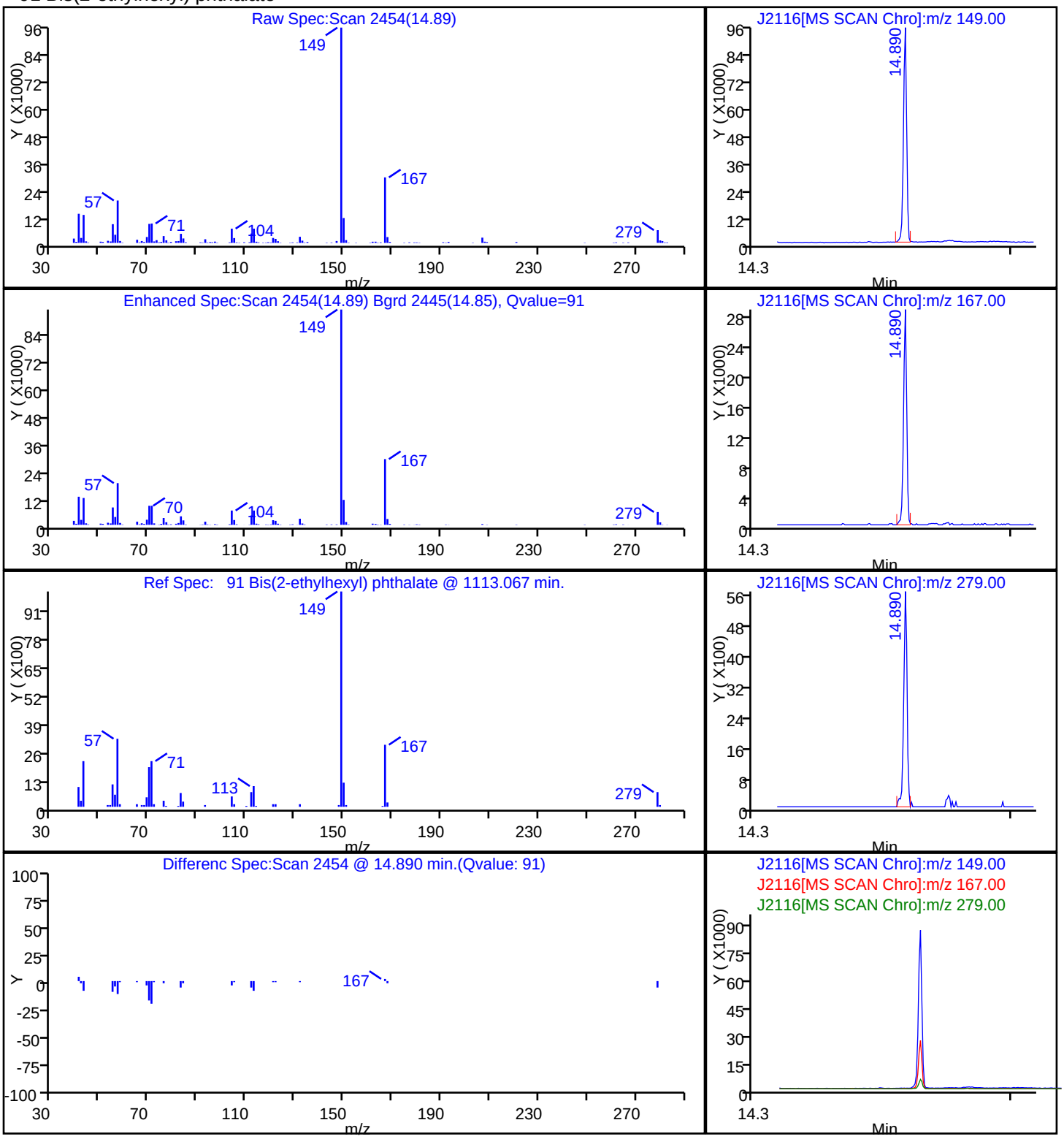


Report Date: 30-Dec-2010 12:53:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2116.D

Injection Date:	23-Dec-2010 18:47:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	25
Operator ID:	CT	Injection Vol:	2.00 ul

91 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: B13812.D

Analysis Method: 8270D | Date Collected: 12/09/2010 10:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 12/22/2010 10:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 43.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		290	87
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		290	87
120-82-1	1,2,4-Trichlorobenzene	ND		290	87
95-50-1	1,2-Dichlorobenzene	ND		290	87
541-73-1	1,3-Dichlorobenzene	ND		290	87
106-46-7	1,4-Dichlorobenzene	ND		290	87
90-12-0	1-Methylnaphthalene	ND		290	87
108-60-1	2,2'-oxybis[1-chloropropane]	ND		290	87
58-90-2	2,3,4,6-Tetrachlorophenol	ND		290	87
95-95-4	2,4,5-Trichlorophenol	ND		290	87
88-06-2	2,4,6-Trichlorophenol	ND		290	87
120-83-2	2,4-Dichlorophenol	ND		290	87
105-67-9	2,4-Dimethylphenol	ND		290	110
51-28-5	2,4-Dinitrophenol	ND		290	87
121-14-2	2,4-Dinitrotoluene	ND		290	87
606-20-2	2,6-Dinitrotoluene	ND		290	87
91-58-7	2-Chloronaphthalene	ND		290	87
95-57-8	2-Chlorophenol	ND		290	87
91-57-6	2-Methylnaphthalene	ND		290	87
95-48-7	2-Methylphenol	ND		290	170
88-74-4	2-Nitroaniline	ND		1400	87
88-75-5	2-Nitrophenol	ND		290	87
15831-10-4	3 & 4 Methylphenol	ND		290	87
91-94-1	3,3'-Dichlorobenzidine	ND		580	87
99-09-2	3-Nitroaniline	ND		1400	87
534-52-1	4,6-Dinitro-2-methylphenol	ND		1400	87
101-55-3	4-Bromophenyl phenyl ether	ND		290	87
59-50-7	4-Chloro-3-methylphenol	ND		580	87
106-47-8	4-Chloroaniline	ND		580	87
7005-72-3	4-Chlorophenyl phenyl ether	ND		290	87
100-01-6	4-Nitroaniline	ND		1400	87
100-02-7	4-Nitrophenol	ND		1400	87
83-32-9	Acenaphthene	ND		290	87
208-96-8	Acenaphthylene	ND		290	87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: B13812.D

Analysis Method: 8270D | Date Collected: 12/09/2010 10:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 12/22/2010 10:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 43.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		290	87
62-53-3	Aniline	ND		290	87
120-12-7	Anthracene	ND		290	87
1912-24-9	Atrazine	ND		290	87
103-33-3	Azobenzene	ND		290	87
100-52-7	Benzaldehyde	ND		290	87
56-55-3	Benzo[a]anthracene	ND		290	87
50-32-8	Benzo[a]pyrene	ND		290	87
205-99-2	Benzo[b]fluoranthene	110	J	290	87
191-24-2	Benzo[g,h,i]perylene	96	J	290	87
207-08-9	Benzo[k]fluoranthene	ND		290	87
65-85-0	Benzoic acid	ND		1400	130
119-61-9	Benzophenone	ND		290	87
100-51-6	Benzyl alcohol	ND		580	250
111-91-1	Bis(2-chloroethoxy)methane	ND		290	87
111-44-4	Bis(2-chloroethyl)ether	ND		290	87
117-81-7	Bis(2-ethylhexyl) phthalate	390		290	87
85-68-7	Butyl benzyl phthalate	ND		290	87
105-60-2	Caprolactam	ND		290	87
86-74-8	Carbazole	ND		290	87
218-01-9	Chrysene	ND		290	87
53-70-3	Dibenz(a,h)anthracene	ND		290	87
132-64-9	Dibenzofuran	ND		290	87
84-66-2	Diethyl phthalate	ND		290	87
131-11-3	Dimethyl phthalate	ND		290	87
84-74-2	Di-n-butyl phthalate	ND		290	250
117-84-0	Di-n-octyl phthalate	ND		290	150
206-44-0	Fluoranthene	95	J	290	87
86-73-7	Fluorene	ND		290	87
118-74-1	Hexachlorobenzene	ND		290	87
87-68-3	Hexachlorobutadiene	ND		290	87
77-47-4	Hexachlorocyclopentadiene	ND		580	87
67-72-1	Hexachloroethane	ND		290	87
193-39-5	Indeno[1,2,3-cd]pyrene	ND		290	87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: B13812.D

Analysis Method: 8270D | Date Collected: 12/09/2010 10:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 12/22/2010 10:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 43.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		290	87
91-20-3	Naphthalene	ND		690	87
98-95-3	Nitrobenzene	ND		290	87
621-64-7	N-Nitrosodi-n-propylamine	ND		290	87
86-30-6	N-Nitrosodiphenylamine	ND		290	87
87-86-5	Pentachlorophenol	ND		290	87
85-01-8	Phenanthrene	ND		350	87
108-95-2	Phenol	ND		290	87
101-84-8	Diphenyl oxide	ND		290	87
129-00-0	Pyrene	120	J	290	87
62-75-9	N-Nitrosodimethylamine	ND		290	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	61		30-130
321-60-8	2-Fluorobiphenyl	41		30-130
367-12-4	2-Fluorophenol	53		30-130
4165-60-0	Nitrobenzene-d5	47		30-130
4165-62-2	Phenol-d5	57		30-130
1718-51-0	Terphenyl-d14	37		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-1-XXX | Lab Sample ID: 360-31465-2

Matrix: Solid | Lab File ID: B13812.D

Analysis Method: 8270D | Date Collected: 12/09/2010 10:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.40(g) | Date Analyzed: 12/22/2010 10:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 43.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 8960

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.53	3800	T J
	Unknown	14.31	190	T J
18435-45-5	1-Nonadecene	15.70	170	T J N
646-31-1	Tetracosane	16.73	310	T J N
593-45-3	Octadecane	17.10	960	T J N
629-78-7	Heptadecane	17.50	990	T J N
112-95-8	Eicosane	17.96	1100	T J N
593-45-3	Octadecane	18.46	760	T J N
629-94-7	Heneicosane	20.58	680	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Lims ID: 360-31465-A-2-B
Client ID: OC-SD-LB-1-XXX
Inject. Date: 22-Dec-2010 10:55:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 31465-A-2-B RR 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. B
Vol. Injected: 2.0000
ALS Bottle#: 5
Lims Batch ID: 67515
Lims Sample ID: 16
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m
Last Update: 23-Dec-2010 07:36:41
Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 23-Dec-2010 07:40:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.616	9.613	0.003	92	122741	4.00	
* 2 Naphthalene-d8	136	11.227	11.224	0.003	99	453987	4.00	
* 3 Acenaphthene-d10	164	13.343	13.345	-0.002	91	256759	4.00	
* 4 Phenanthrene-d10	188	14.877	14.879	-0.002	96	410783	4.00	
* 5 Chrysene-d12	240	17.584	17.586	-0.002	78	305493	4.00	
* 6 Perylene-d12	264	20.162	20.159	0.003	95	199457	4.00	
$ 7 2-Fluorophenol	112	7.952	7.940	0.012	82	28769	1.05	
$ 8 Phenol-d5	99	9.082	9.079	0.003	77	31362	1.15	
$ 9 Nitrobenzene-d5	82	10.309	10.301	0.008	80	10961	0.4659	
$ 10 2-Fluorobiphenyl	172	12.530	12.527	0.003	98	28051	0.4120	
$ 11 2,4,6-Tribromophenol	330	14.180	14.177	0.003	85	5022	1.23	
$ 12 Terphenyl-d14	244	16.300	16.302	-0.002	98	17377	0.3727	
17 Benzaldehyde	105	9.073	9.070	0.003	36	3028	0.1645	
28 3 & 4 Methylphenol	107	10.049	10.041	0.008	54	1599	0.0646	
41 Naphthalene	128	11.251	11.253	-0.002	78	5131	0.0592	
46 2-Methylnaphthalene	142	12.112	12.114	-0.002	95	2713	0.0501	
47 1-Methylnaphthalene	142	12.242	12.239	0.003	68	1102	0.0194	
58 Acenaphthylene	152	13.189	13.191	-0.002	95	3584	0.0429	
61 Acenaphthene	153	13.382	13.378	0.004	40	726	0.0124	
64 Dibenzofuran	168	13.564	13.561	0.003	63	1130	0.0164	
69 Fluorene	166	13.930	13.927	0.003	90	1342	0.0875	
72 N-Nitrosodiphenylamine	169	14.007	14.004	0.003	14	1155	0.0282	
80 Phenanthrene	178	14.901	14.898	0.003	97	13478	0.1706	
81 Anthracene	178	14.949	14.951	-0.002	96	3144	0.0414	
82 DFTPP	198	15.190	15.007	0.183	0	1179	0	
84 Di-n-butyl phthalate	149	15.295	15.297	-0.002	98	21597	0.2103	
87 Fluoranthene	202	16.012	16.009	0.003	97	26167	0.3273	
85 Pyrene	202	16.243	16.245	-0.002	98	29653	0.4117	
92 Bis(2-ethylhexyl) phthalate	149	17.315	17.317	-0.002	90	69731	1.36	
93 Benzo[a]anthracene	228	17.565	17.565	-0.002	47	10671	0.1965	A
94 Chrysene	228	17.618	17.625	-0.007	54	14578	0.2558	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
97 Benzo[b]fluoranthene	252	19.335	19.327	0.008	93	19401	0.3753	
99 Benzo[a]pyrene	252	20.042	20.039	0.003	70	10048	0.2411	
100 Indeno[1,2,3-cd]pyrene	276	23.076	23.073	0.003	91	9565	0.2874	
102 Benzo[g,h,i]perylene	276	24.009	23.996	0.013	91	9525	0.3326	

QC Flag Legend

Review Flags
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D		
Lims ID:	360-31465-A-2-B	Client ID:	OC-SD-LB-1-XXX
Inject. Date:	22-Dec-2010 10:55:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	31465-A-2-B RR 5X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	67515	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:40:50

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	14.007	1155	0.0241	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
7.529	2138059	13.1	1			
	Unknown					
14.305	168437	0.6617	4			
	18435-45-5 1-Nonadecene					
15.695	153317	0.6023	4	91	42210	
	646-31-1 Tetracosane					
16.728	208213	1.08	5	93	112600	
	593-45-3 Octadecane					
17.099	639625	3.32	5	97	112333	
	629-78-7 Heptadecane					
17.503	657070	3.41	5	93	112320	
	112-95-8 Eicosane					
17.955	718235	3.73	5	96	16454	
	593-45-3 Octadecane					
18.464	505333	2.63	5	97	112333	
	629-94-7 Heneicosane					
20.575	349284	2.35	6	97	17094	

Report Date: 23-Dec-2010 07:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.616	653604	4.00
* 4 Phenanthrene-d10	14.877	1018164	4.00
* 5 Chrysene-d12	17.589	769774	4.00
* 6 Perylene-d12	20.162	594085	4.00

QC Flag Legend

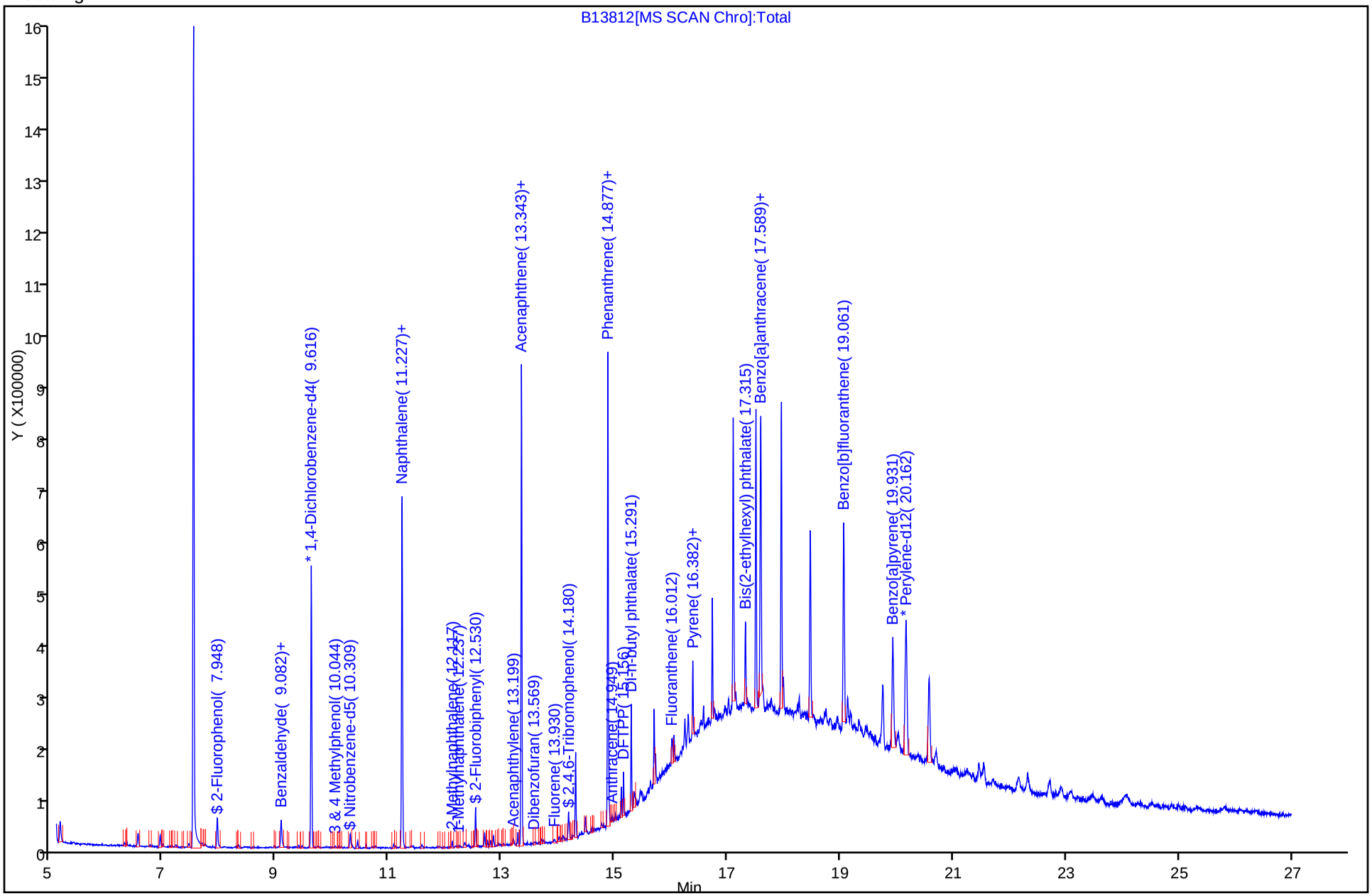
Processing Flags

Report Date: 23-Dec-2010 07:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

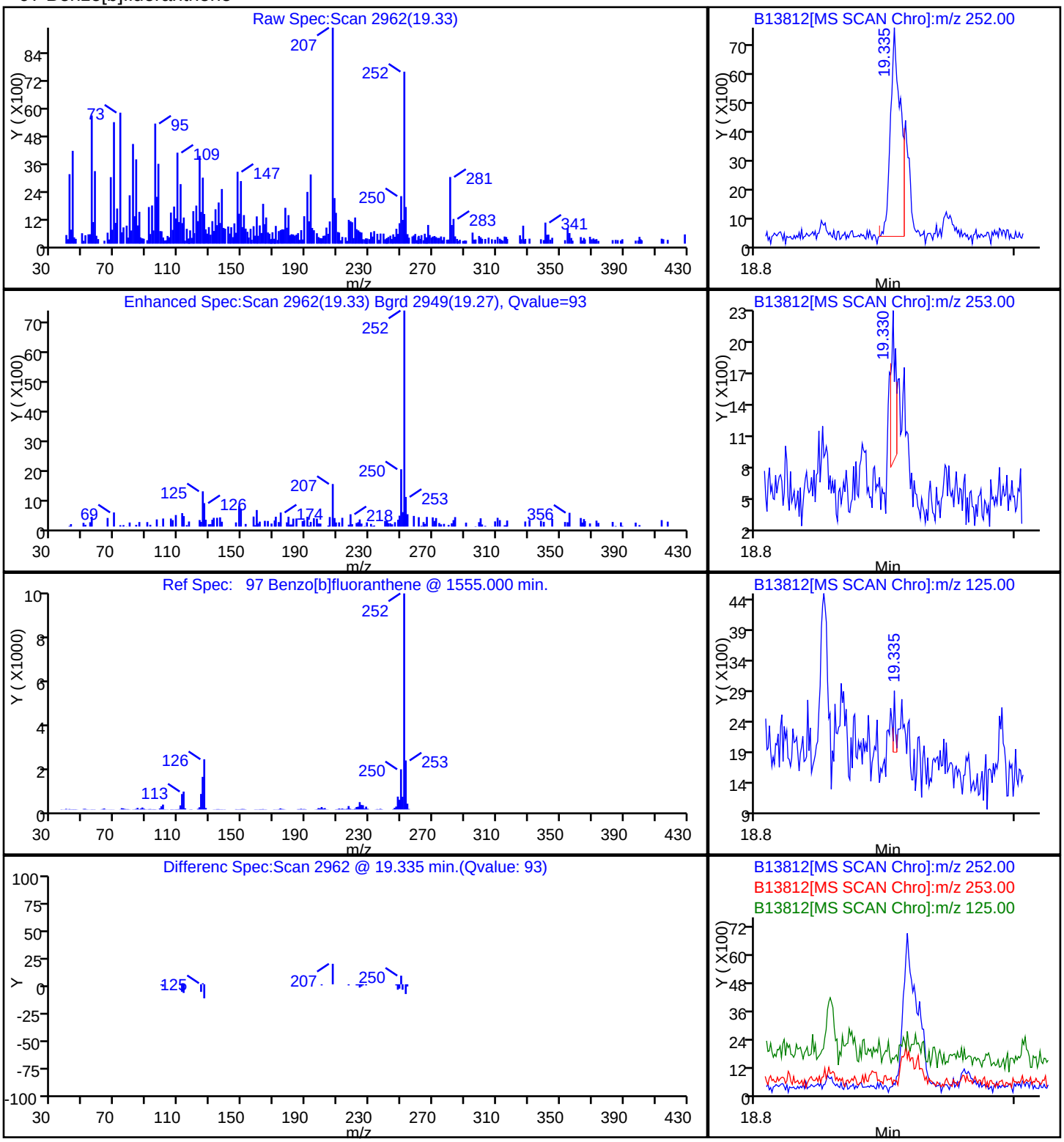


Report Date: 23-Dec-2010 07:40:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

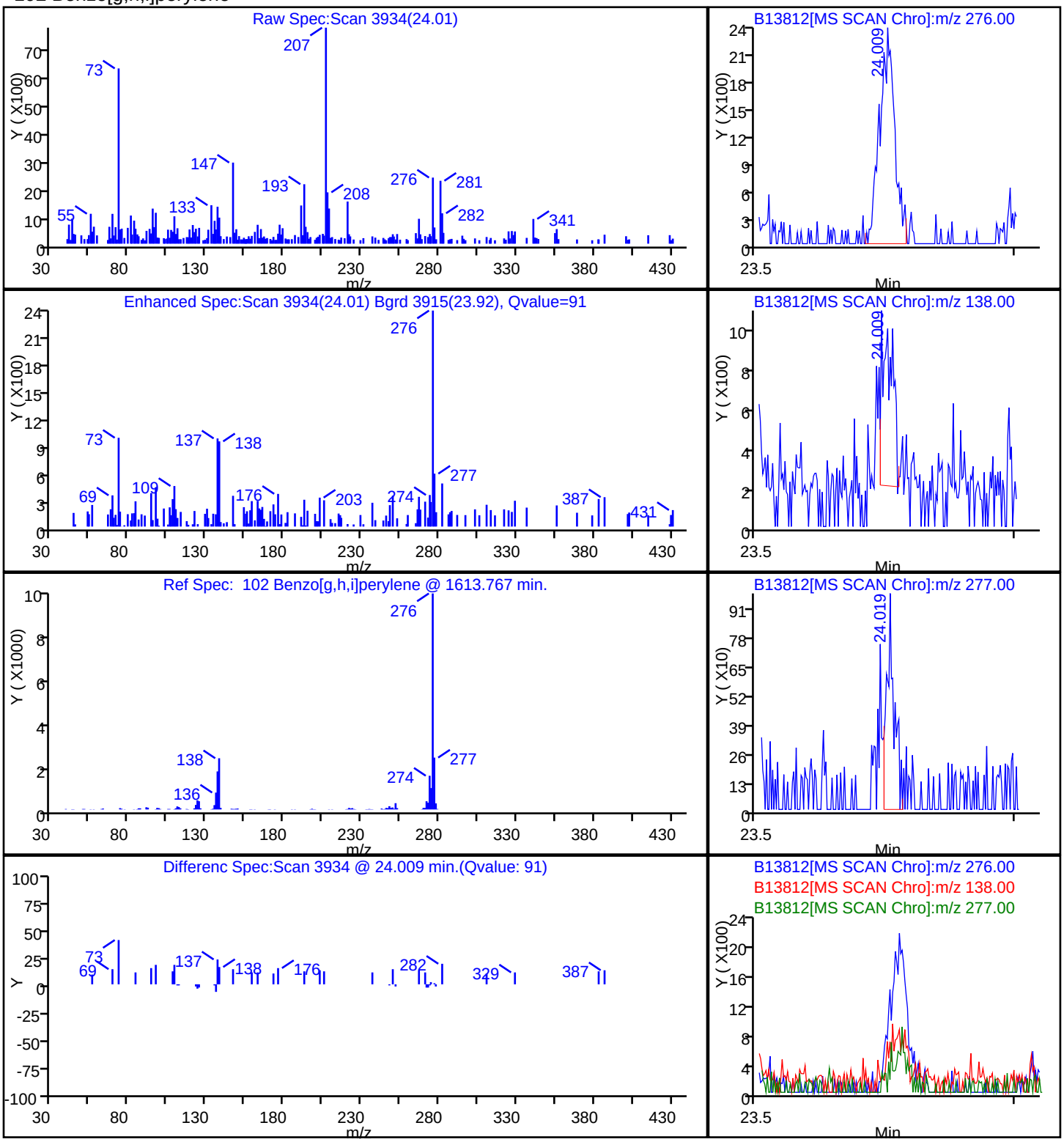


Report Date: 23-Dec-2010 07:40:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene

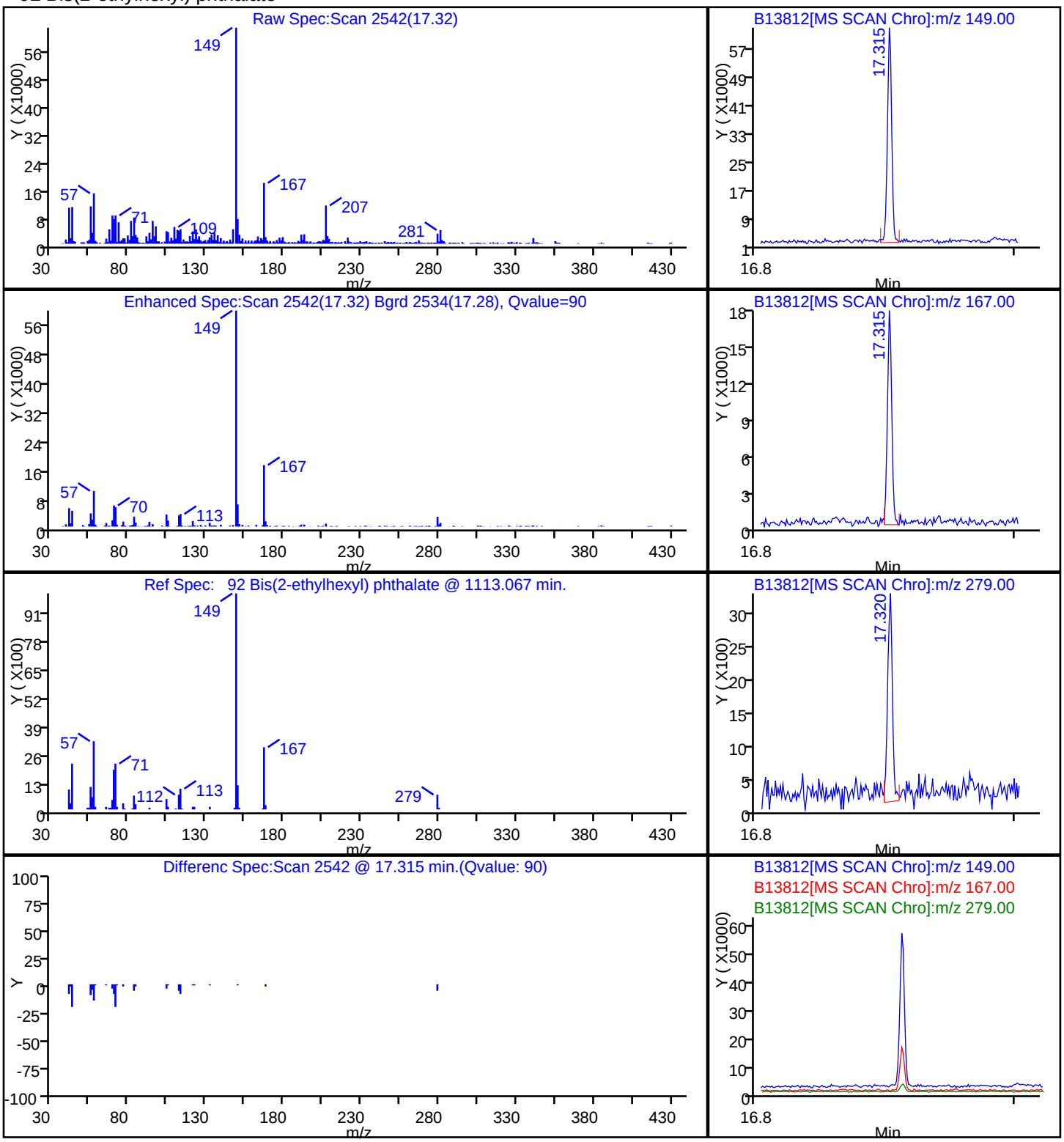


Report Date: 23-Dec-2010 07:40:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate

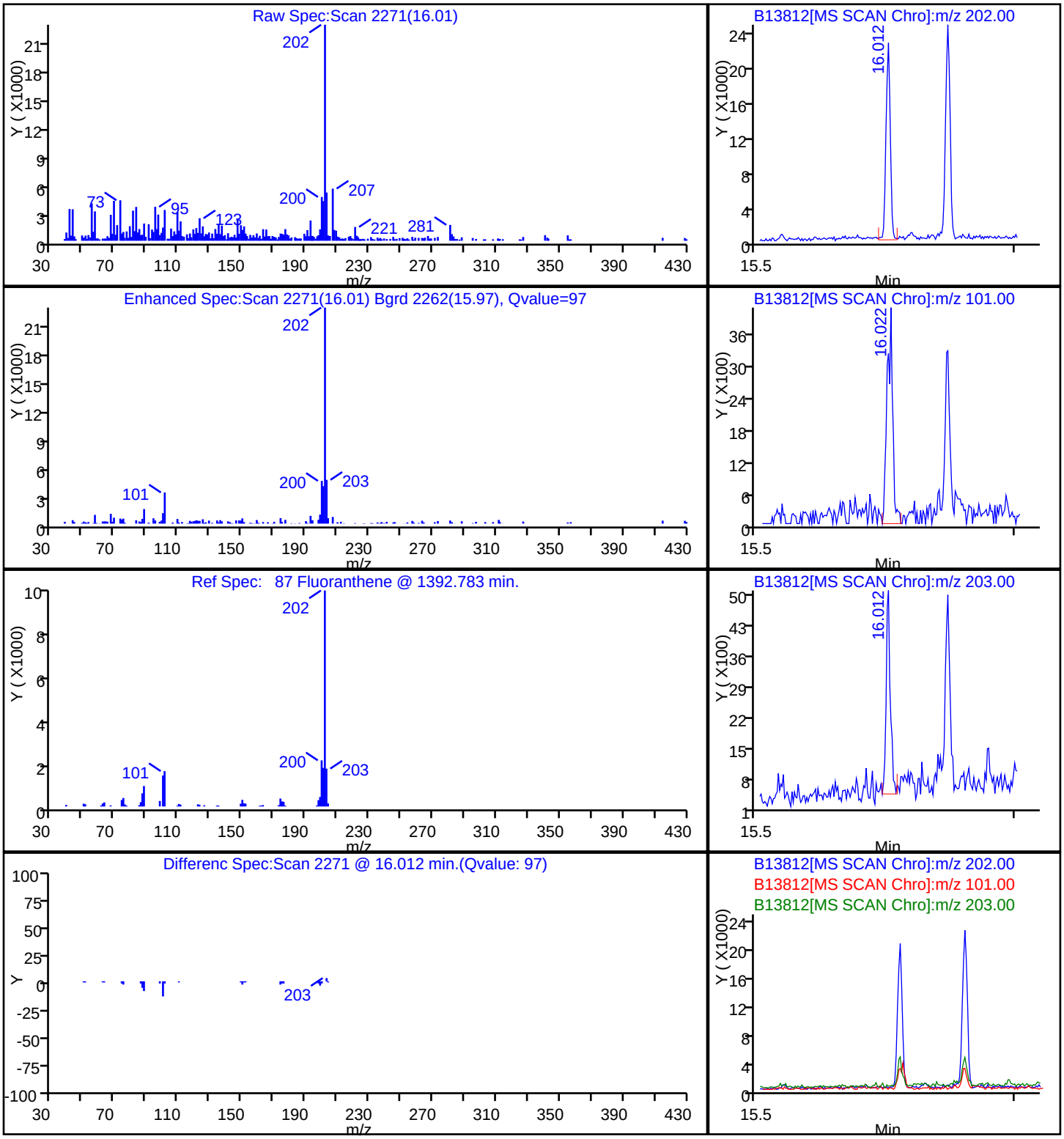


Report Date: 23-Dec-2010 07:40:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

87 Fluoranthene

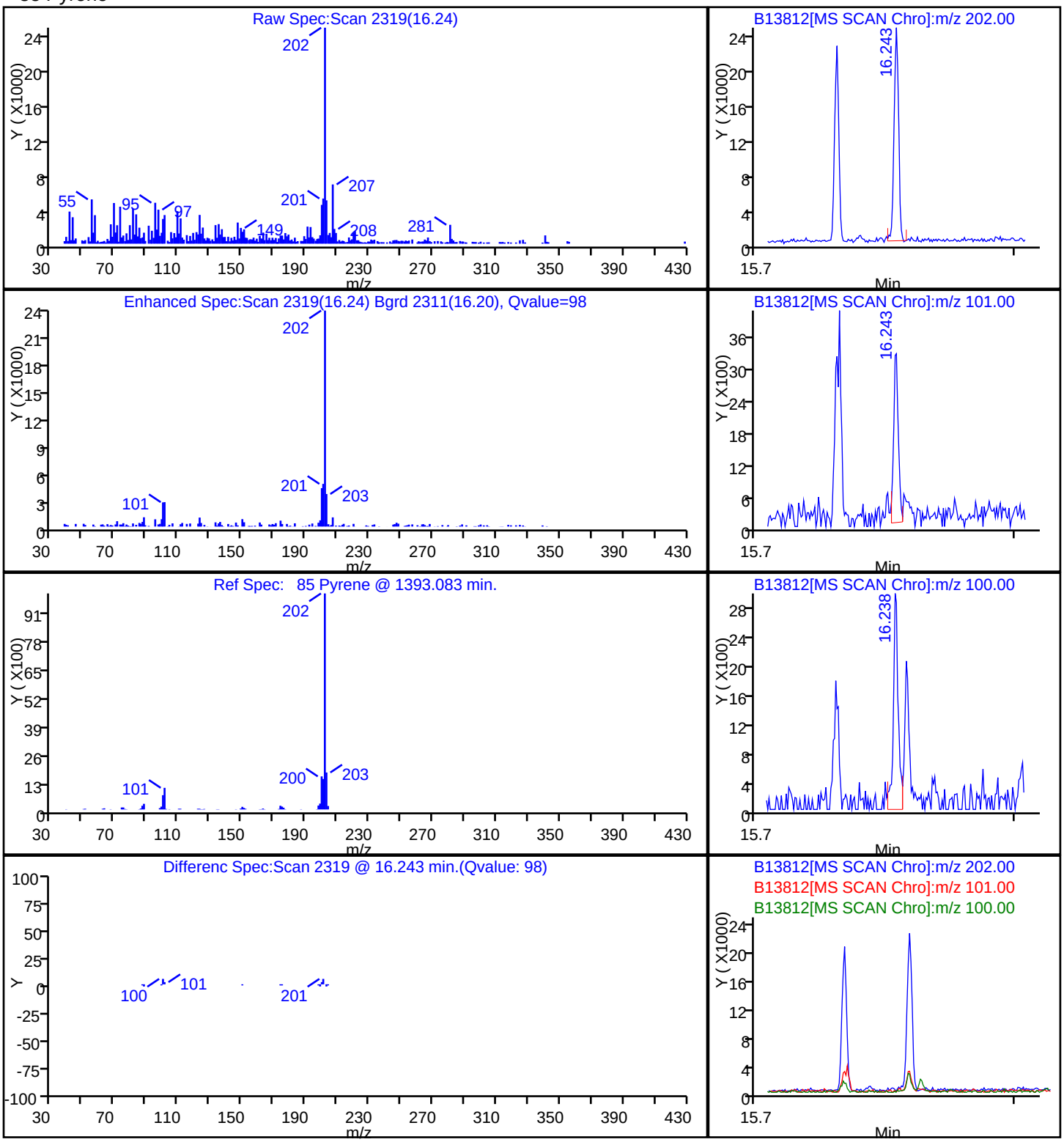


Report Date: 23-Dec-2010 07:40:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene



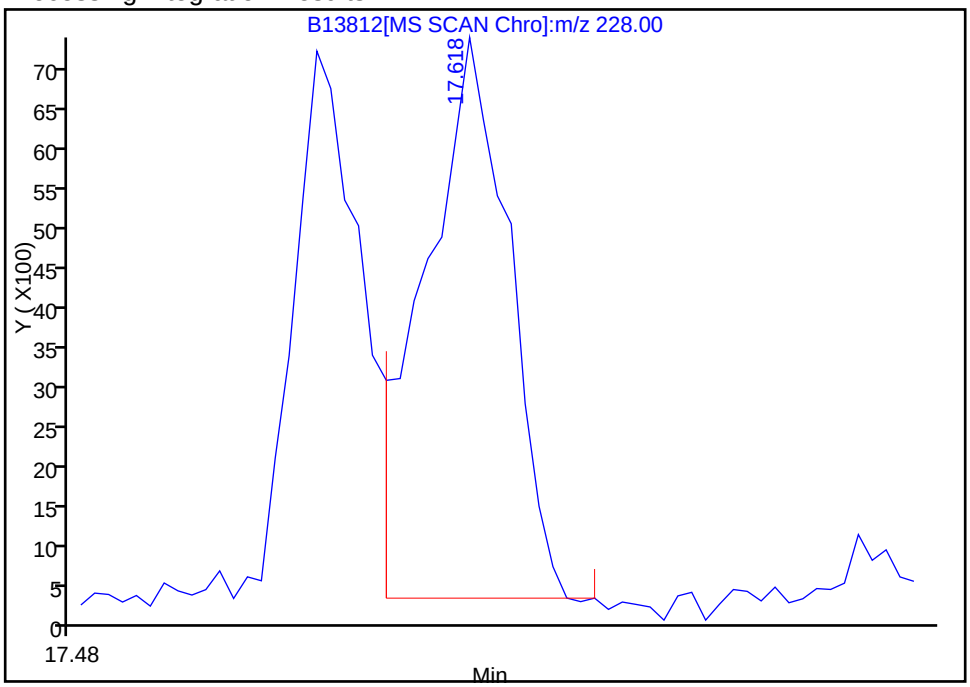
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D		
Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.57

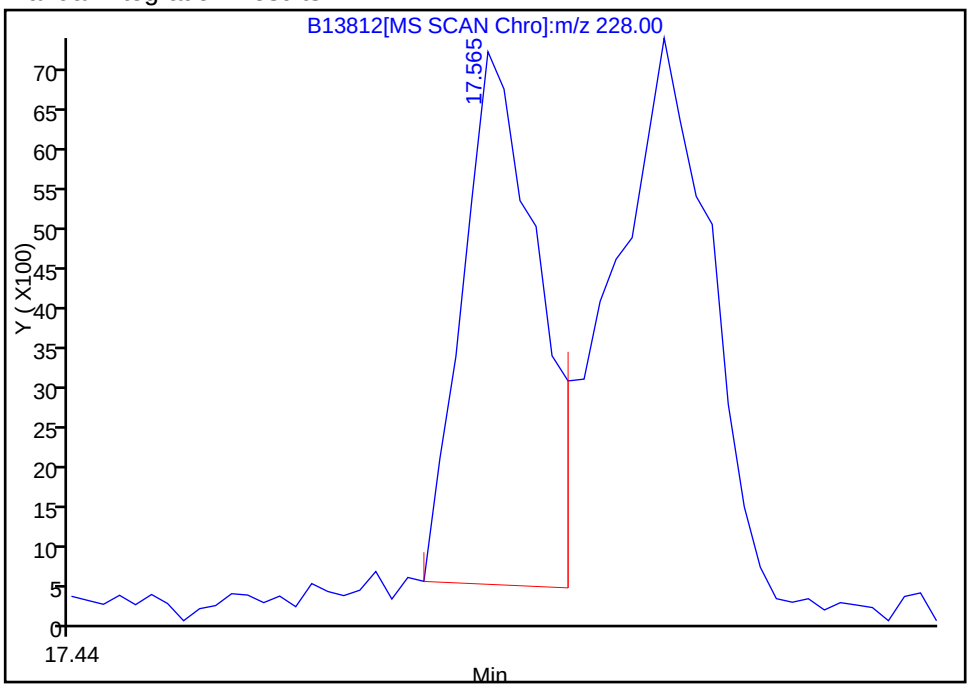
Processing Integration Results

RT: 17.62
Response: 14576
Amount: 0.262725



Manual Integration Results

RT: 17.57
Response: 10671
Amount: 0.196527

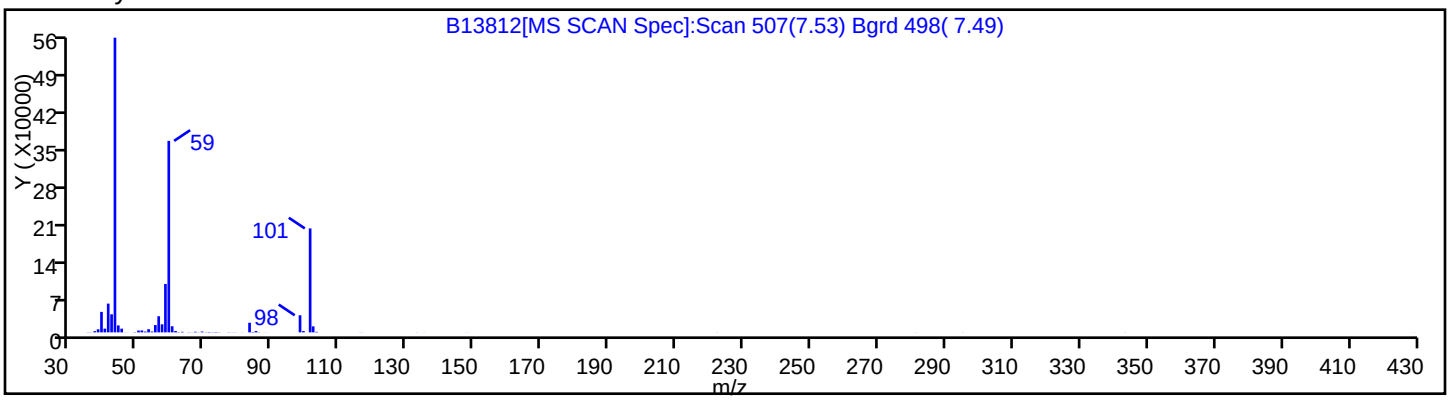


Reviewer: testerc, 23-Dec-2010 07:40:50
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D		
Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

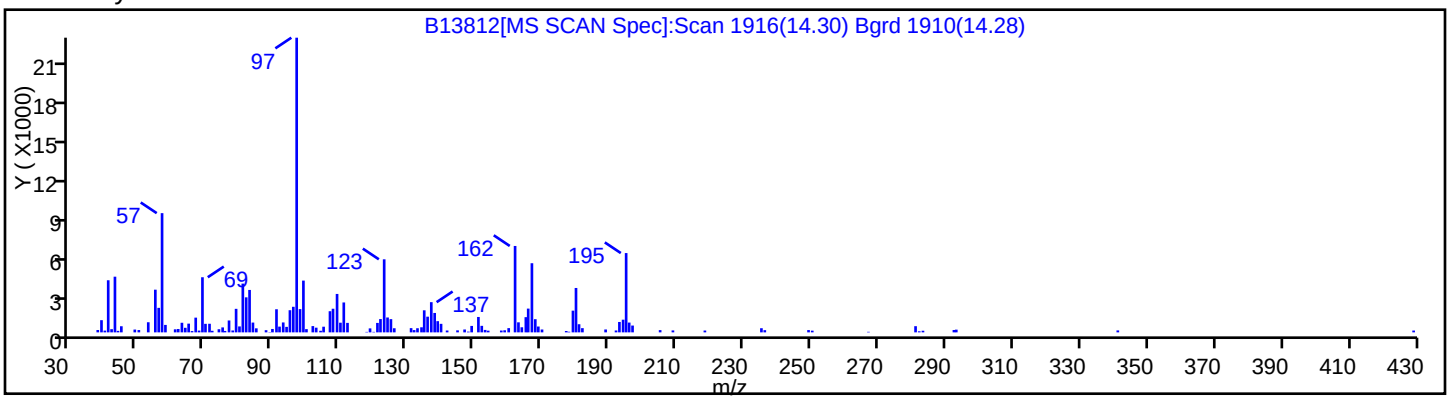


Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D

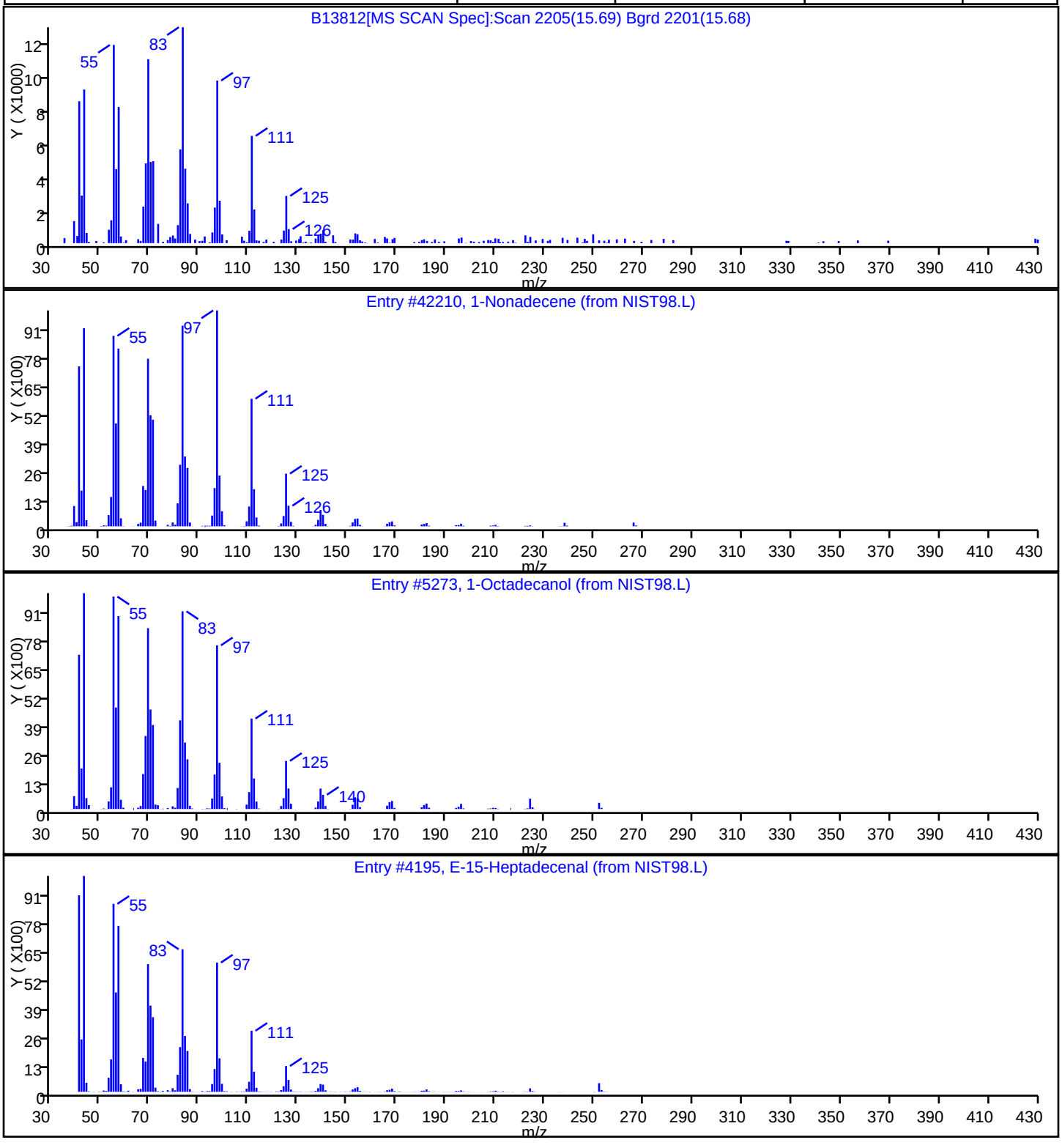
Injection Date:	22-Dec-2010 10:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



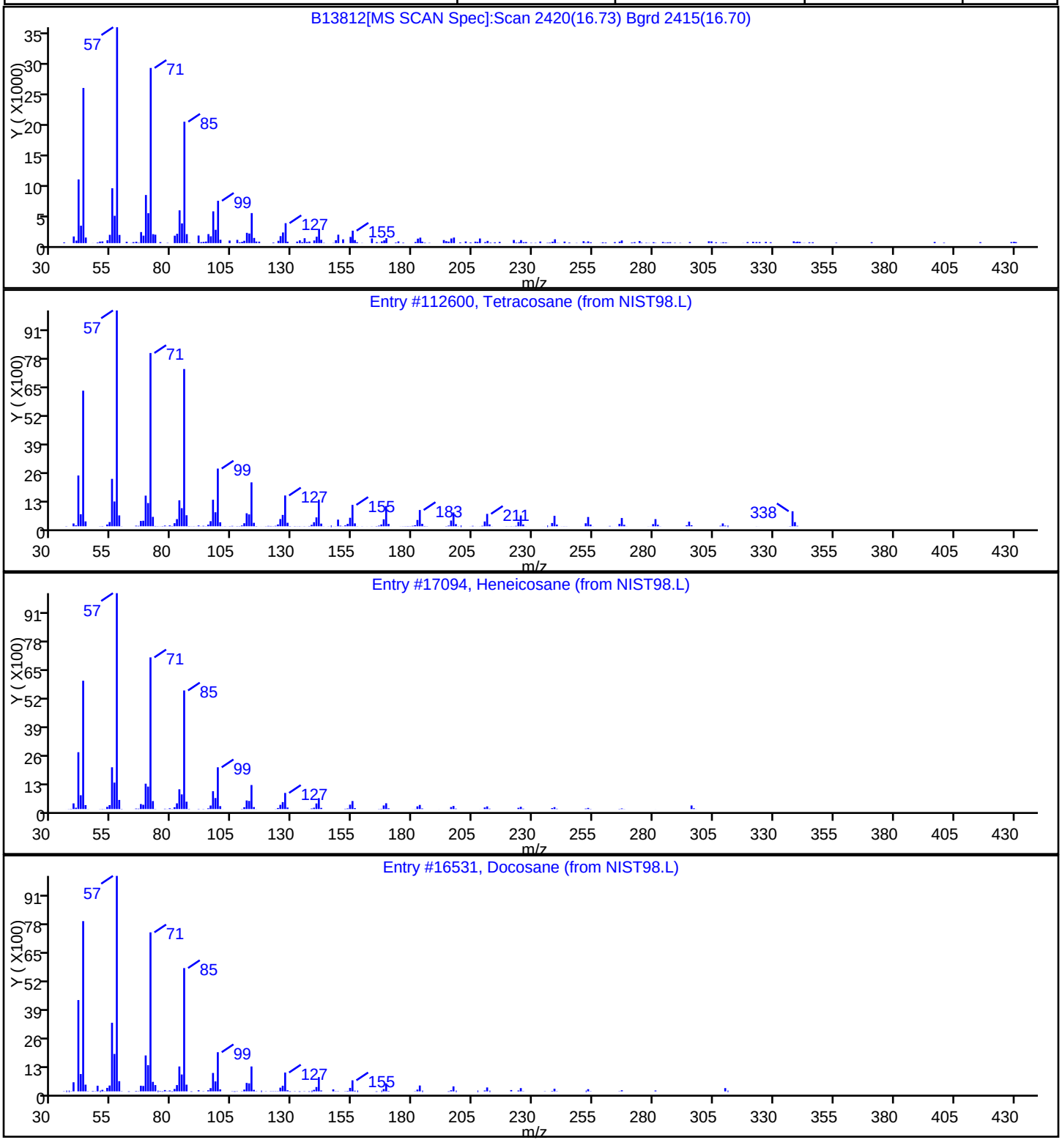
Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Nonadecene	18435-45-5	NIST98.L	42210	91
1-Octadecanol	112-92-5	NIST98.L	5273	91
E-15-Heptadecenal	1000130-97-9	NIST98.L	4195	91



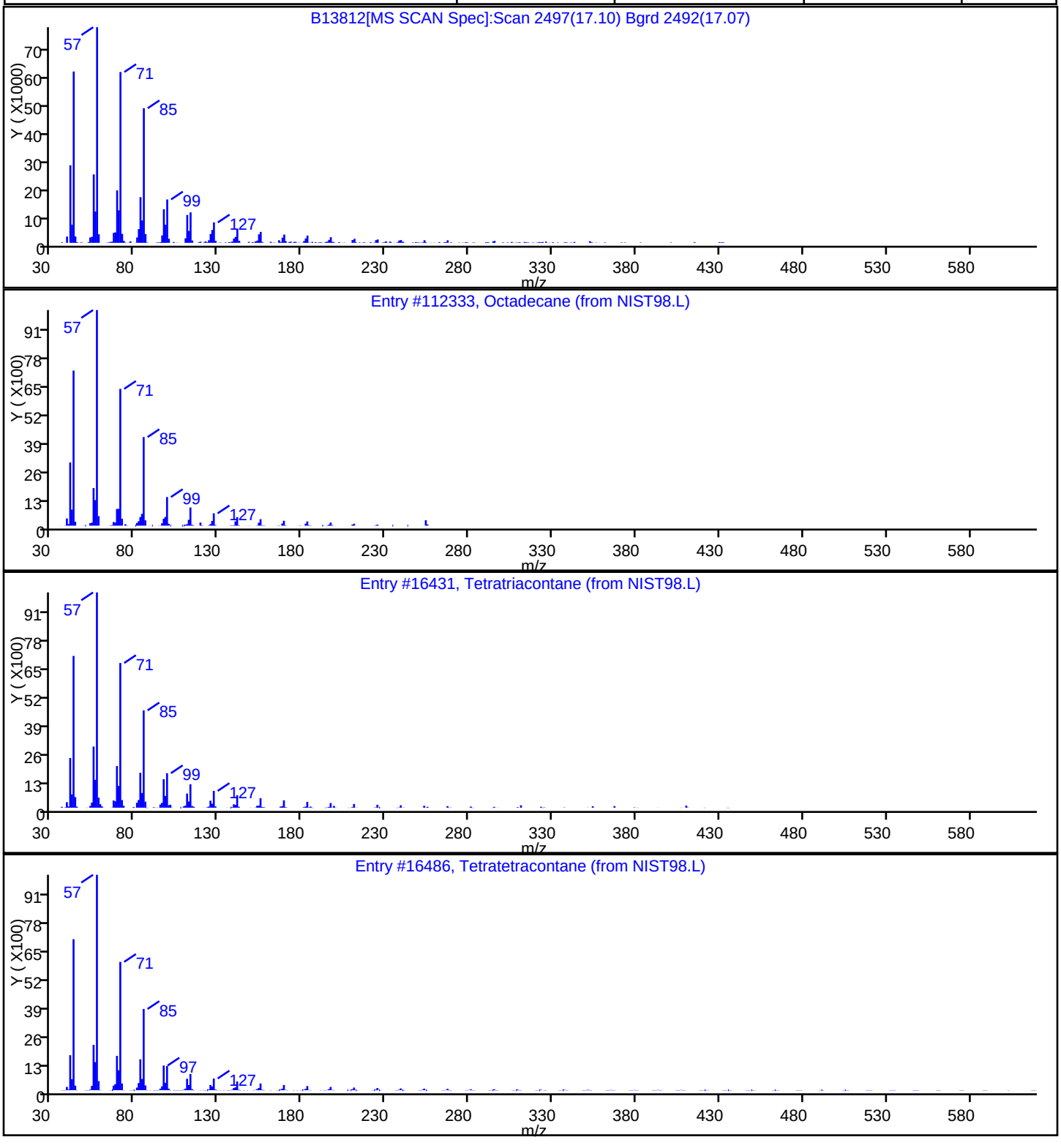
Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112600	93
Heneicosane	629-94-7	NIST98.L	17094	91
Docosane	629-97-0	NIST98.L	16531	91



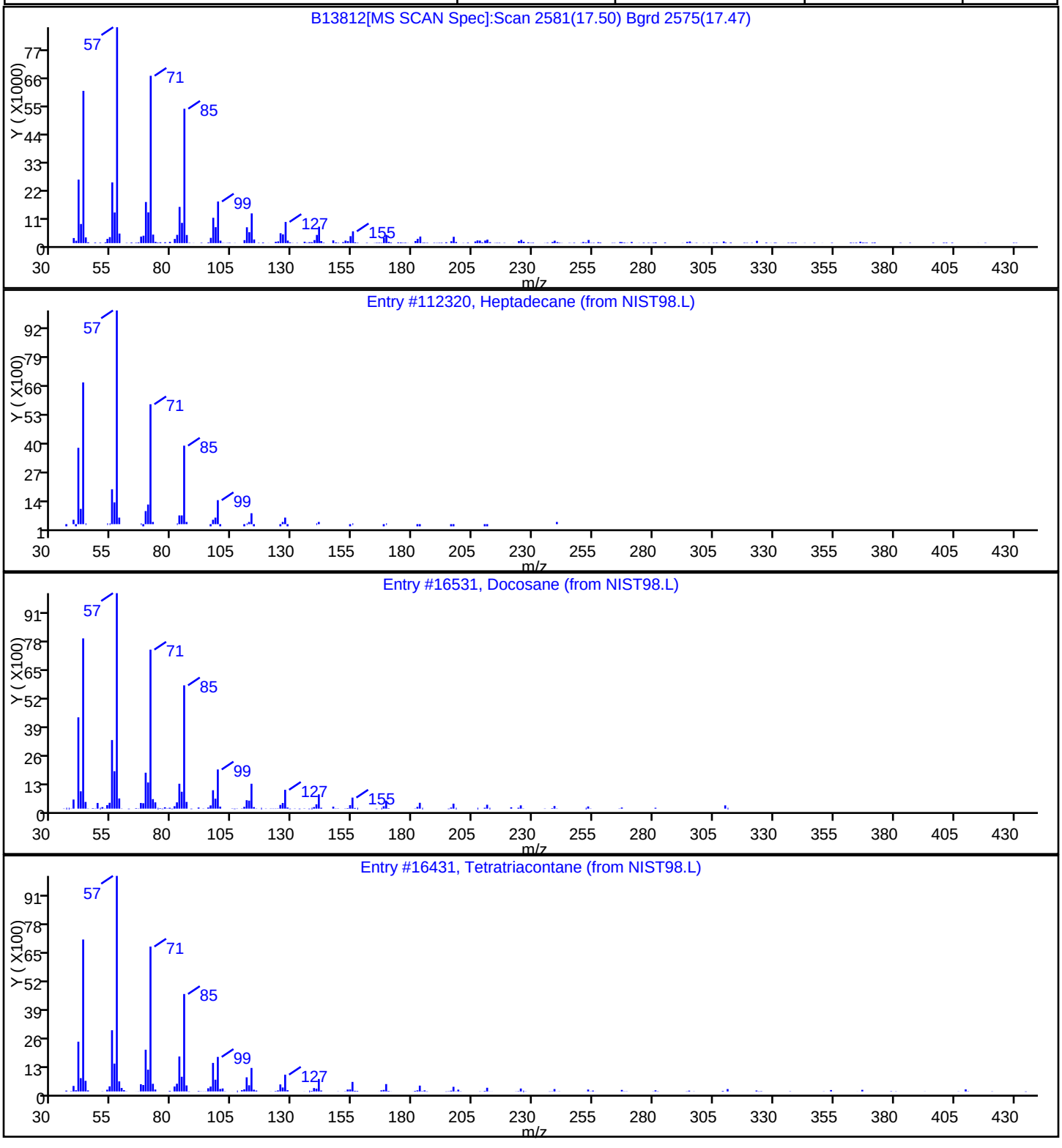
Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112333	97
Tetratriacontane	14167-59-0	NIST98.L	16431	91
Tetratetracontane	7098-22-8	NIST98.L	16486	90



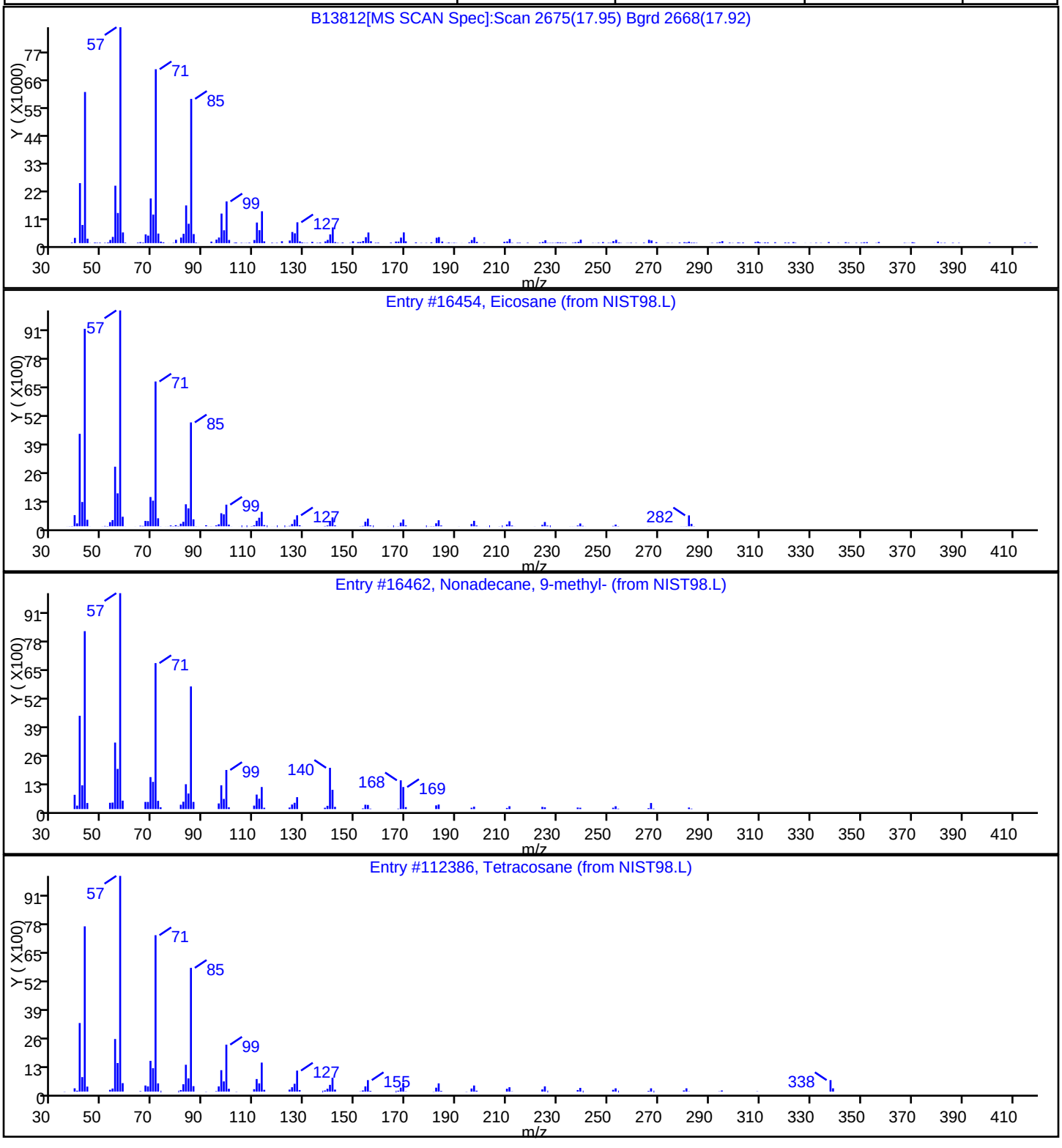
Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	112320	93
Docosane	629-97-0	NIST98.L	16531	91
Tetratriacontane	14167-59-0	NIST98.L	16431	91



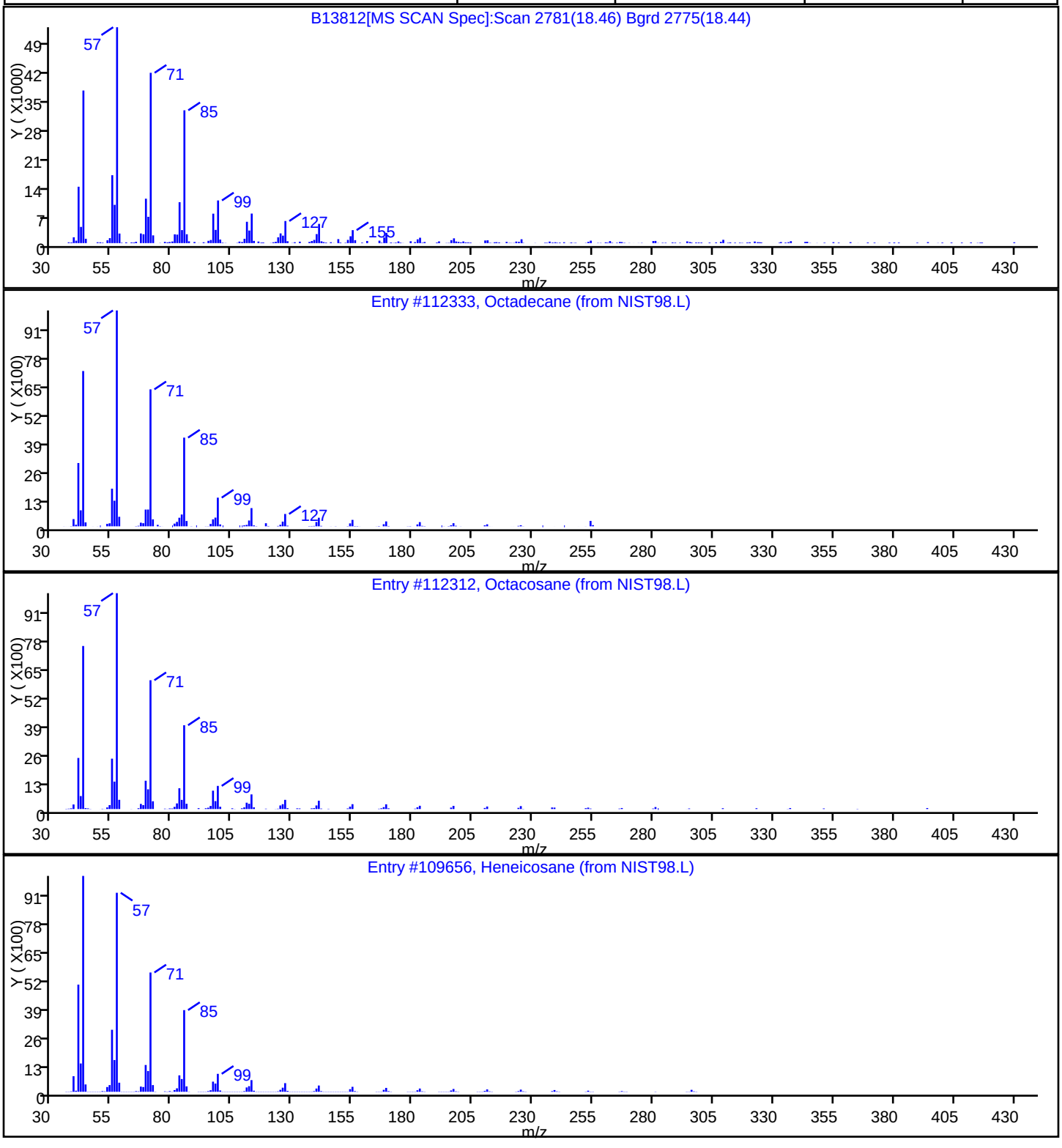
Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	16454	96
Nonadecane, 9-methyl-	13287-24-6	NIST98.L	16462	95
Tetracosane	646-31-1	NIST98.L	112386	91



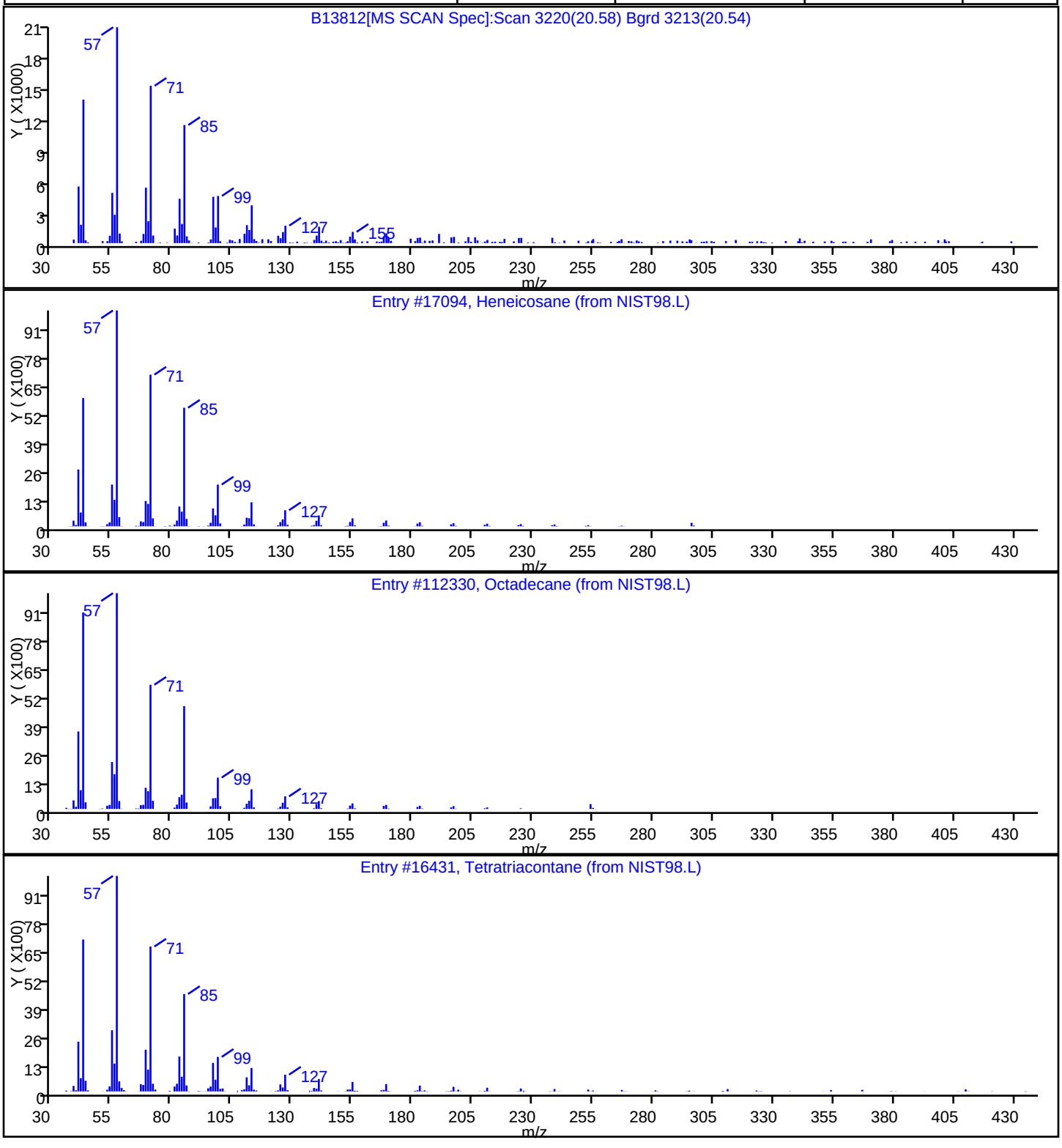
Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112333	97
Octacosane	630-2-4	NIST98.L	112312	95
Heneicosane	629-94-7	NIST98.L	109656	93



Report Date: 23-Dec-2010 07:40:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13812.D
Injection Date: 22-Dec-2010 10:55:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	97
Octadecane	593-45-3	NIST98.L	112330	94
Tetratriacontane	14167-59-0	NIST98.L	16431	87



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: B13814.D

Analysis Method: 8270D | Date Collected: 12/09/2010 09:35

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.48(g) | Date Analyzed: 12/22/2010 12:06

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 49.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		320	97
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		320	97
120-82-1	1,2,4-Trichlorobenzene	ND		320	97
95-50-1	1,2-Dichlorobenzene	ND		320	97
541-73-1	1,3-Dichlorobenzene	ND		320	97
106-46-7	1,4-Dichlorobenzene	ND		320	97
90-12-0	1-Methylnaphthalene	ND		320	97
108-60-1	2,2'-oxybis[1-chloropropane]	ND		320	97
58-90-2	2,3,4,6-Tetrachlorophenol	ND		320	97
95-95-4	2,4,5-Trichlorophenol	ND		320	97
88-06-2	2,4,6-Trichlorophenol	ND		320	97
120-83-2	2,4-Dichlorophenol	ND		320	97
105-67-9	2,4-Dimethylphenol	ND		320	130
51-28-5	2,4-Dinitrophenol	ND		320	97
121-14-2	2,4-Dinitrotoluene	ND		320	97
606-20-2	2,6-Dinitrotoluene	ND		320	97
91-58-7	2-Chloronaphthalene	ND		320	97
95-57-8	2-Chlorophenol	ND		320	97
91-57-6	2-Methylnaphthalene	ND		320	97
95-48-7	2-Methylphenol	ND		320	190
88-74-4	2-Nitroaniline	ND		1600	97
88-75-5	2-Nitrophenol	ND		320	97
15831-10-4	3 & 4 Methylphenol	ND		320	97
91-94-1	3,3'-Dichlorobenzidine	ND		650	97
99-09-2	3-Nitroaniline	ND		1600	97
534-52-1	4,6-Dinitro-2-methylphenol	ND		1600	97
101-55-3	4-Bromophenyl phenyl ether	ND		320	97
59-50-7	4-Chloro-3-methylphenol	ND		650	97
106-47-8	4-Chloroaniline	ND		650	97
7005-72-3	4-Chlorophenyl phenyl ether	ND		320	97
100-01-6	4-Nitroaniline	ND		1600	97
100-02-7	4-Nitrophenol	ND		1600	97
83-32-9	Acenaphthene	ND		320	97
208-96-8	Acenaphthylene	ND		320	97

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: B13814.D

Analysis Method: 8270D | Date Collected: 12/09/2010 09:35

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.48(g) | Date Analyzed: 12/22/2010 12:06

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 49.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		320	97
62-53-3	Aniline	ND		320	97
120-12-7	Anthracene	ND		320	97
1912-24-9	Atrazine	ND		320	97
103-33-3	Azobenzene	ND		320	97
100-52-7	Benzaldehyde	ND		320	97
56-55-3	Benzo[a]anthracene	ND		320	97
50-32-8	Benzo[a]pyrene	ND		320	97
205-99-2	Benzo[b]fluoranthene	ND		320	97
191-24-2	Benzo[g,h,i]perylene	ND		320	97
207-08-9	Benzo[k]fluoranthene	ND		320	97
65-85-0	Benzoic acid	ND		1600	150
119-61-9	Benzophenone	ND		320	97
100-51-6	Benzyl alcohol	ND		650	280
111-91-1	Bis(2-chloroethoxy)methane	ND		320	97
111-44-4	Bis(2-chloroethyl)ether	ND		320	97
117-81-7	Bis(2-ethylhexyl) phthalate	160	J	320	97
85-68-7	Butyl benzyl phthalate	ND		320	97
105-60-2	Caprolactam	ND		320	97
86-74-8	Carbazole	ND		320	97
218-01-9	Chrysene	ND		320	97
53-70-3	Dibenz(a,h)anthracene	ND		320	97
132-64-9	Dibenzofuran	ND		320	97
84-66-2	Diethyl phthalate	ND		320	97
131-11-3	Dimethyl phthalate	ND		320	97
84-74-2	Di-n-butyl phthalate	ND		320	280
117-84-0	Di-n-octyl phthalate	ND		320	160
206-44-0	Fluoranthene	110	J	320	97
86-73-7	Fluorene	ND		320	97
118-74-1	Hexachlorobenzene	ND		320	97
87-68-3	Hexachlorobutadiene	ND		320	97
77-47-4	Hexachlorocyclopentadiene	ND		650	97
67-72-1	Hexachloroethane	ND		320	97
193-39-5	Indeno[1,2,3-cd]pyrene	ND		320	97

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: B13814.D

Analysis Method: 8270D | Date Collected: 12/09/2010 09:35

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.48(g) | Date Analyzed: 12/22/2010 12:06

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 49.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		320	97
91-20-3	Naphthalene	ND		770	97
98-95-3	Nitrobenzene	ND		320	97
621-64-7	N-Nitrosodi-n-propylamine	ND		320	97
86-30-6	N-Nitrosodiphenylamine	ND		320	97
87-86-5	Pentachlorophenol	ND		320	97
85-01-8	Phenanthrene	ND		390	97
108-95-2	Phenol	ND		320	97
101-84-8	Diphenyl oxide	ND		320	97
129-00-0	Pyrene	ND		320	97
62-75-9	N-Nitrosodimethylamine	ND		320	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	70		30-130
321-60-8	2-Fluorobiphenyl	47		30-130
367-12-4	2-Fluorophenol	49		30-130
4165-60-0	Nitrobenzene-d5	50		30-130
4165-62-2	Phenol-d5	49		30-130
1718-51-0	Terphenyl-d14	43		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-2-XXX | Lab Sample ID: 360-31465-3

Matrix: Solid | Lab File ID: B13814.D

Analysis Method: 8270D | Date Collected: 12/09/2010 09:35

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.48(g) | Date Analyzed: 12/22/2010 12:06

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 49.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 15060

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.53	5800	T J
	Unknown	16.95	410	T J
629-78-7	Heptadecane	17.10	1300	T J N
	Unknown	17.23	850	T J
629-94-7	Heneicosane	17.50	1200	T J N
629-94-7	Heneicosane	17.96	1500	T J N
	Unknown	17.99	1100	T J
646-31-1	Tetracosane	18.47	950	T J N
629-94-7	Heneicosane	19.06	1300	T J N
593-45-3	Octadecane	20.58	650	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Lims ID: 360-31465-A-3-B
Client ID: OC-SD-LB-2-XXX
Inject. Date: 22-Dec-2010 12:06:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 31465-A-3-B RR 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. B
Vol. Injected: 2.0000
ALS Bottle#: 7
Lims Batch ID: 67515
Lims Sample ID: 18
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m
Last Update: 23-Dec-2010 07:36:41
Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 23-Dec-2010 07:44:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.618	9.613	0.005	91	113068	4.00	
* 2 Naphthalene-d8	136	11.229	11.224	0.005	99	415672	4.00	
* 3 Acenaphthene-d10	164	13.344	13.345	-0.001	92	245836	4.00	
* 4 Phenanthrene-d10	188	14.878	14.879	-0.001	95	387945	4.00	
* 5 Chrysene-d12	240	17.586	17.586	0.0	96	310667	4.00	
* 6 Perylene-d12	264	20.163	20.159	0.004	94	201730	4.00	
$ 7 2-Fluorophenol	112	7.949	7.940	0.009	82	25439	0.9732	
$ 8 Phenol-d5	99	9.084	9.079	0.005	78	24642	0.9786	
$ 9 Nitrobenzene-d5	82	10.310	10.301	0.009	82	10859	0.5041	
$ 10 2-Fluorobiphenyl	172	12.532	12.527	0.005	100	30580	0.4691	
$ 11 2,4,6-Tribromophenol	330	14.181	14.177	0.004	86	5871	1.39	
$ 12 Terphenyl-d14	244	16.302	16.302	0.0	98	20404	0.4303	
72 N-Nitrosodiphenylamine	169	14.008	14.004	0.004	48	7829	0.2024	
80 Phenanthrene	178	14.898	14.898	0.0	94	9034	0.1211	
81 Anthracene	178	14.955	14.951	0.004	56	1957	0.0273	
82 DFTPP	198	15.201	15.007	0.194	0	319	0	
83 Carbazole	167	15.080	15.076	0.004	96	2494	0.0457	
84 Di-n-butyl phthalate	149	15.297	15.297	0.0	98	22235	0.2292	
87 Fluoranthene	202	16.013	16.009	0.004	99	26802	0.3550	
85 Pyrene	202	16.244	16.245	-0.001	97	21346	0.2914	
92 Bis(2-ethylhexyl) phthalate	149	17.316	17.317	-0.001	92	25416	0.4878	
93 Benzo[a]anthracene	228	17.571	17.571	0.004	36	11586	0.2088	A
94 Chrysene	228	17.624	17.625	-0.001	60	14424	0.2489	
97 Benzo[b]fluoranthene	252	19.341	19.341	0.014	94	14285	0.2732	M
98 Benzo[k]fluoranthene	252	19.375	19.375	-0.005	95	9434	0.1867	M
99 Benzo[a]pyrene	252	20.043	20.039	0.004	72	8853	0.2100	
101 Dibenz(a,h)anthracene	278	23.063	23.068	-0.005	62	3161	0.1189	
100 Indeno[1,2,3-cd]pyrene	276	23.082	23.073	0.009	90	5703	0.1694	
102 Benzo[g,h,i]perylene	276	24.005	23.996	0.009	92	5376	0.1856	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D		
Lims ID:	360-31465-A-3-B	Client ID:	OC-SD-LB-2-XXX
Inject. Date:	22-Dec-2010 12:06:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	31465-A-3-B RR 5X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	67515	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:44:49

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.531	2730411	17.8	1			
		Unknown				
16.946	255748	1.26	5			
	629-78-7	Heptadecane				
17.100	788737	3.88	5	95	16420	
		Unknown				
17.225	537489	2.64	5			
	629-94-7	Heneicosane				
17.504	756602	3.72	5	97	17094	
	629-94-7	Heneicosane				
17.956	965273	4.74	5	98	17094	
		Unknown				
17.985	663978	3.26	5			
	646-31-1	Tetracosane				
18.466	600406	2.95	5	97	112386	
	629-94-7	Heneicosane				
19.062	979949	4.01	6	96	17094	
	593-45-3	Octadecane				
20.577	493001	2.02	6	94	112330	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.618	612748	4.00
* 5 Chrysene-d12	17.586	814042	4.00
* 6 Perylene-d12	20.163	978131	4.00

QC Flag Legend

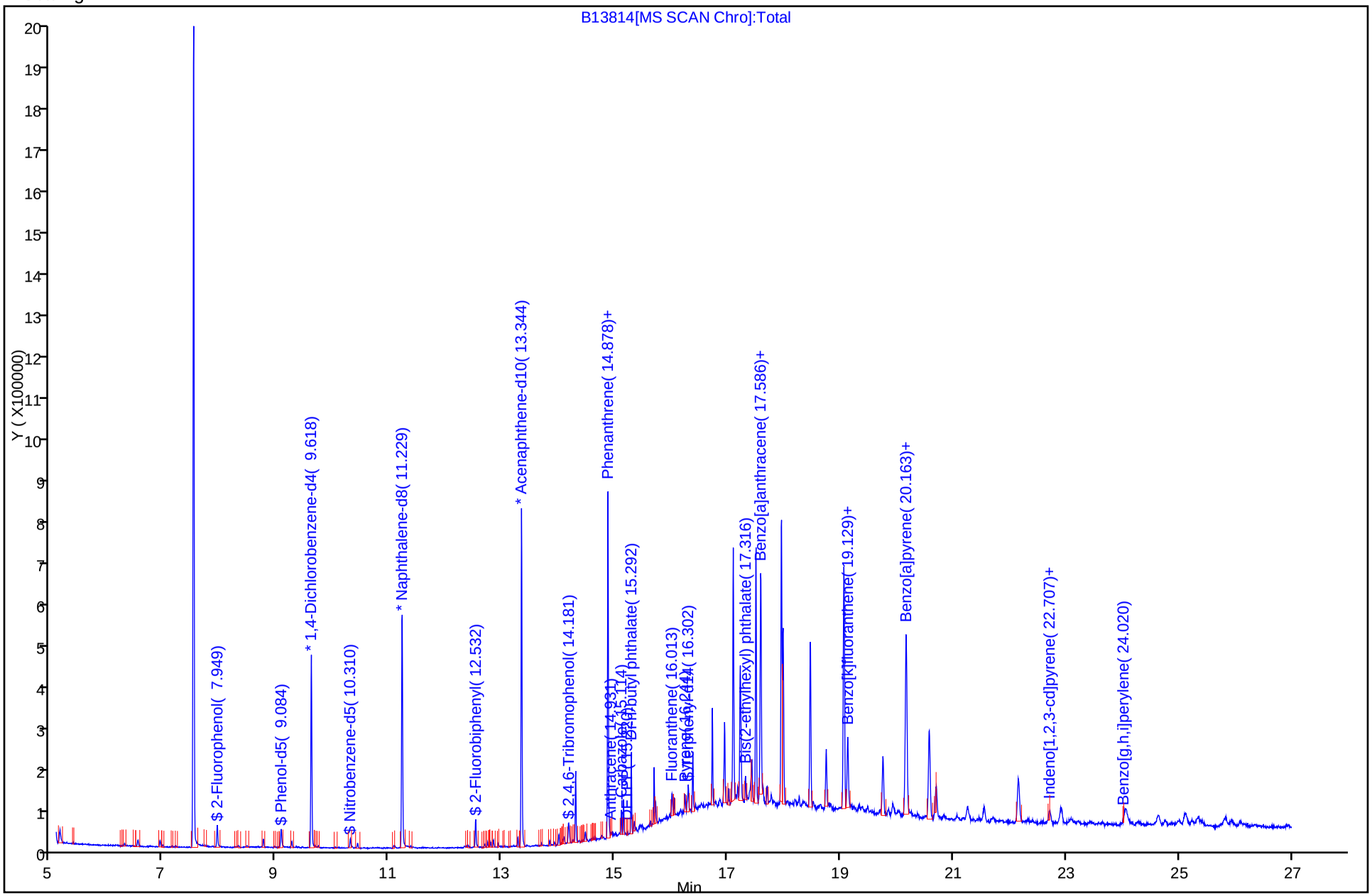
Processing Flags

Report Date: 23-Dec-2010 07:44:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

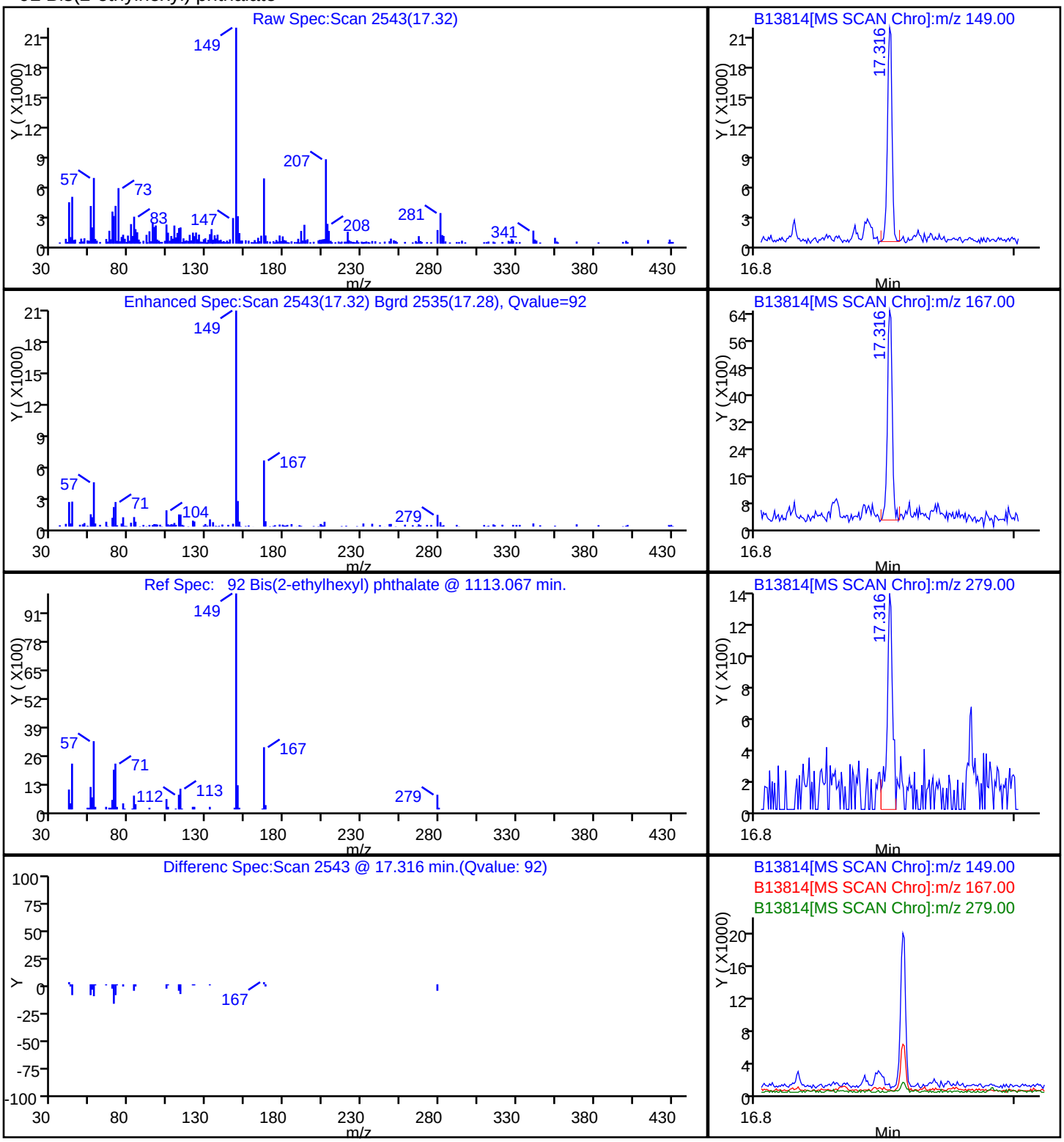


Report Date: 23-Dec-2010 07:44:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate

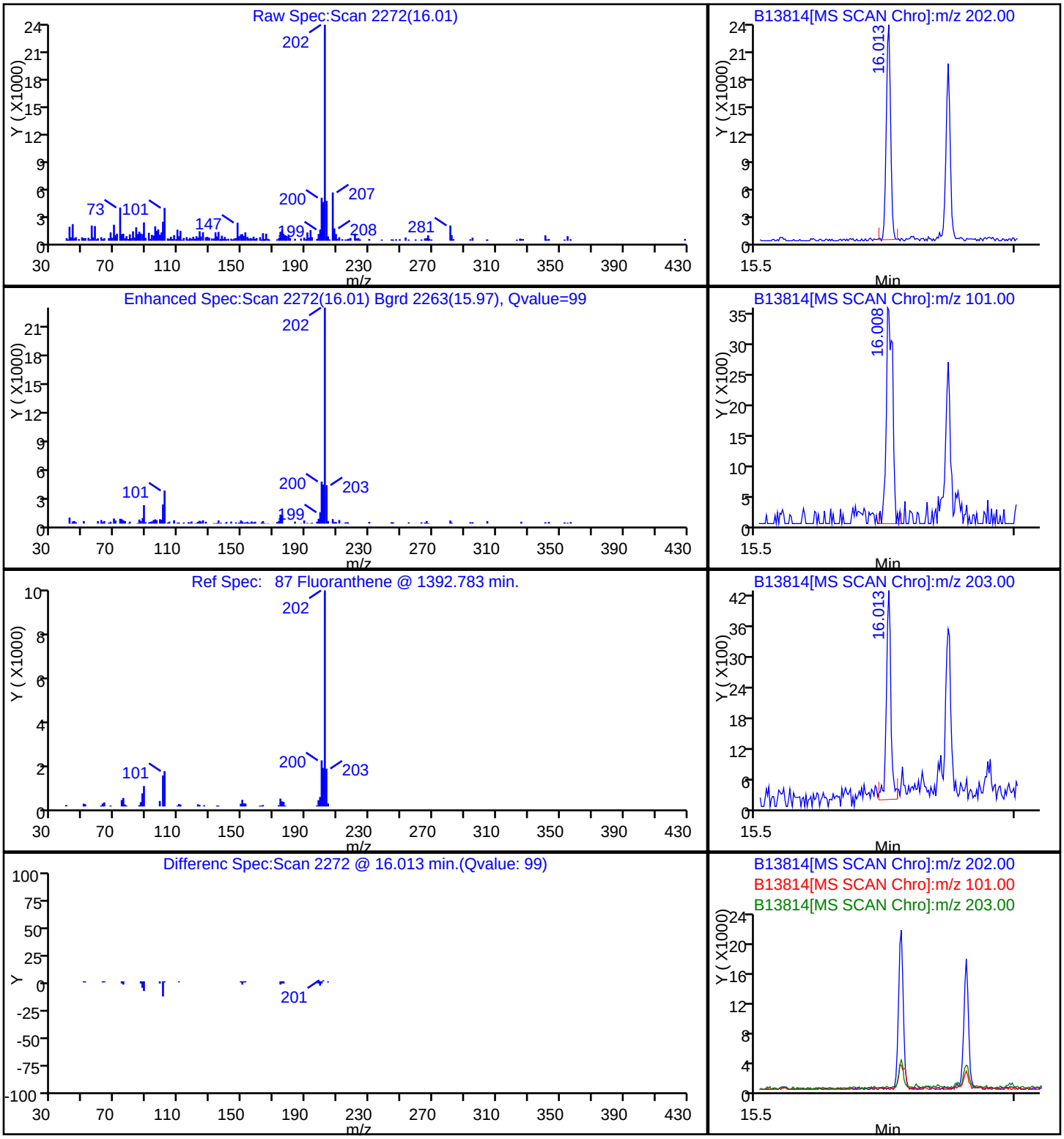


Report Date: 23-Dec-2010 07:44:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

87 Fluoranthene



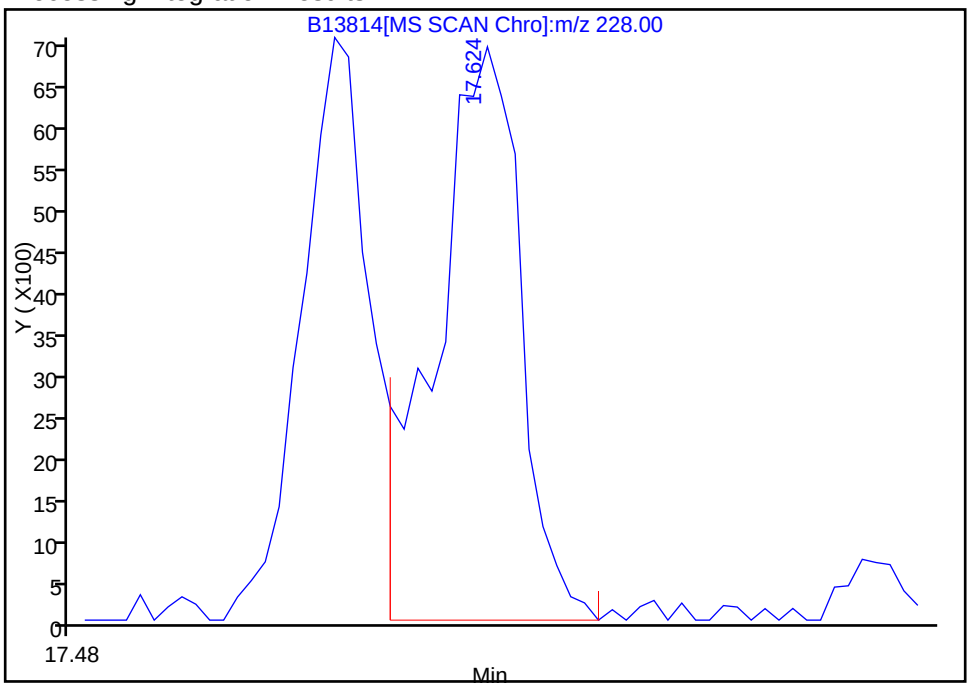
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D		
Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.57

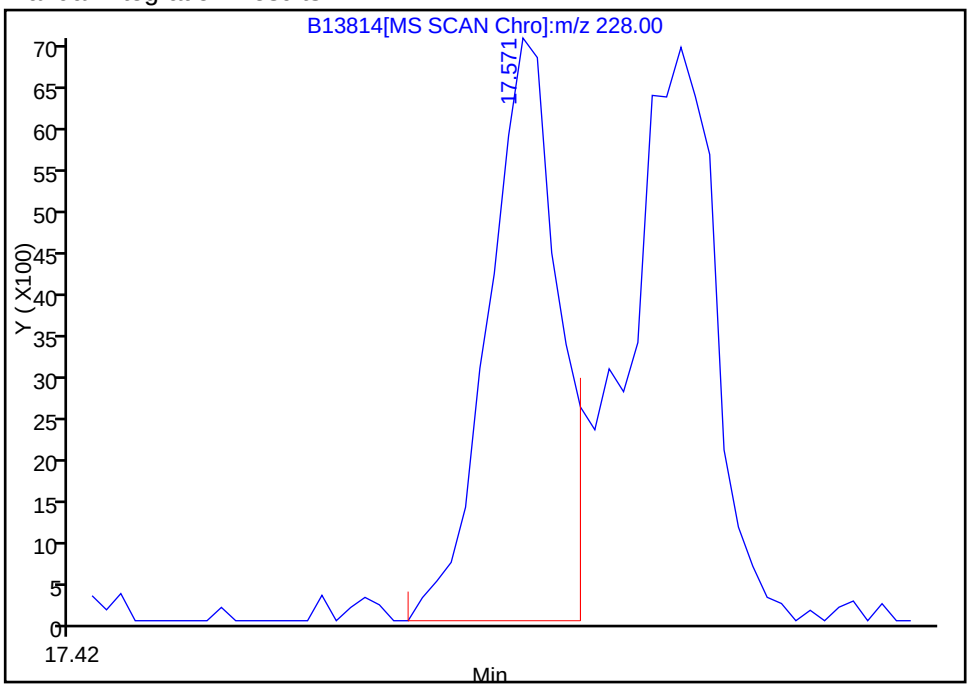
Processing Integration Results

RT: 17.62
Response: 14424
Amount: 0.256076



Manual Integration Results

RT: 17.57
Response: 11586
Amount: 0.208767



Reviewer: testerc, 23-Dec-2010 07:44:49
Audit Action: Assigned Compound ID
Audit Reason:

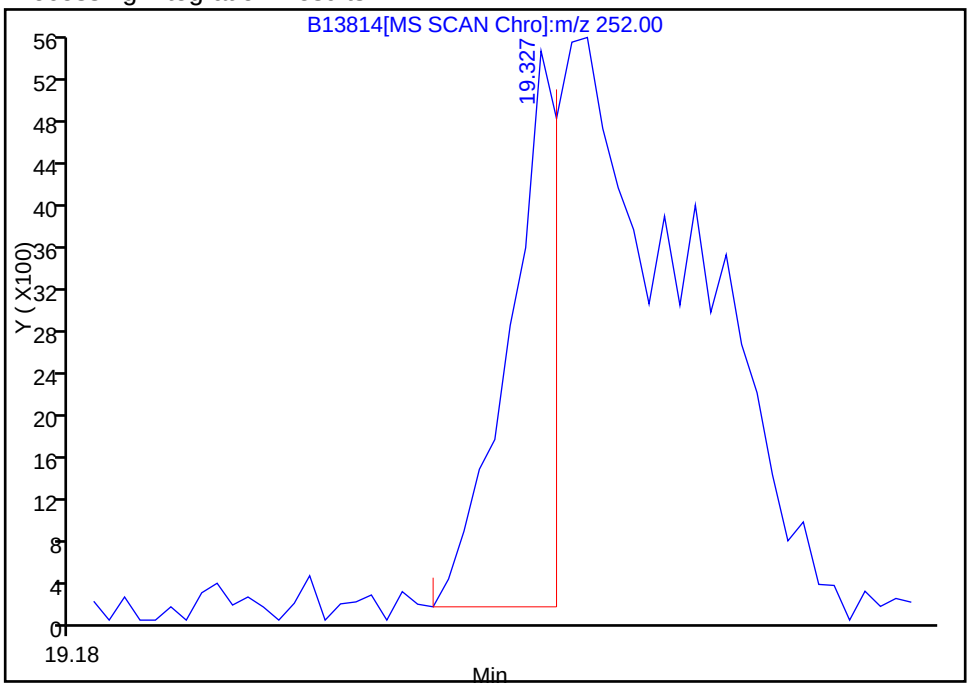
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D		
Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.33

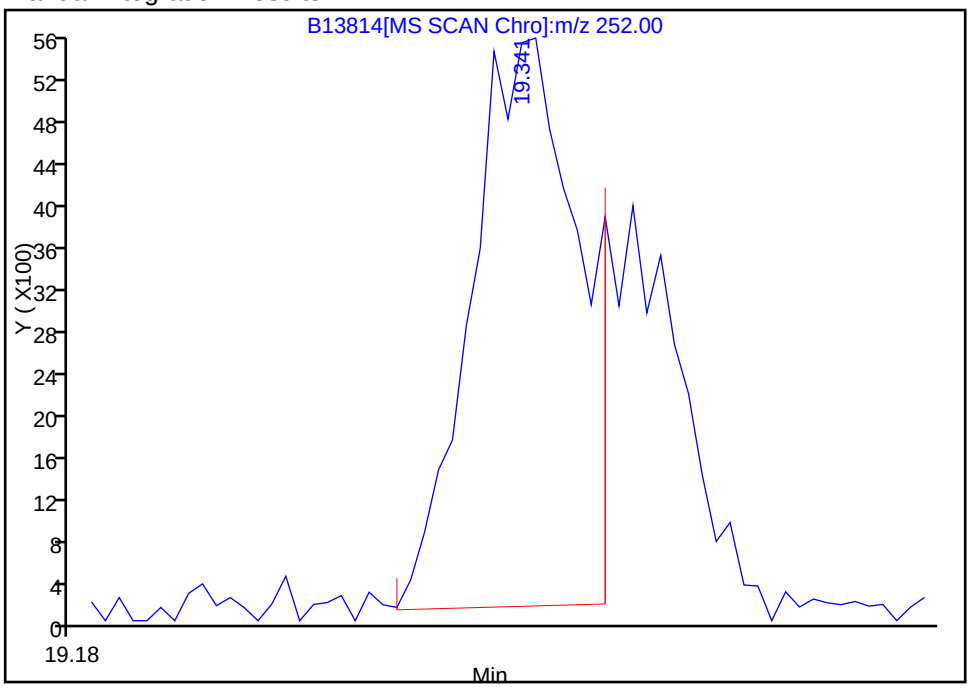
Processing Integration Results

RT: 19.33
Response: 5764
Amount: 0.110246



Manual Integration Results

RT: 19.34
Response: 14285
Amount: 0.273224



Reviewer: testerc, 23-Dec-2010 07:44:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

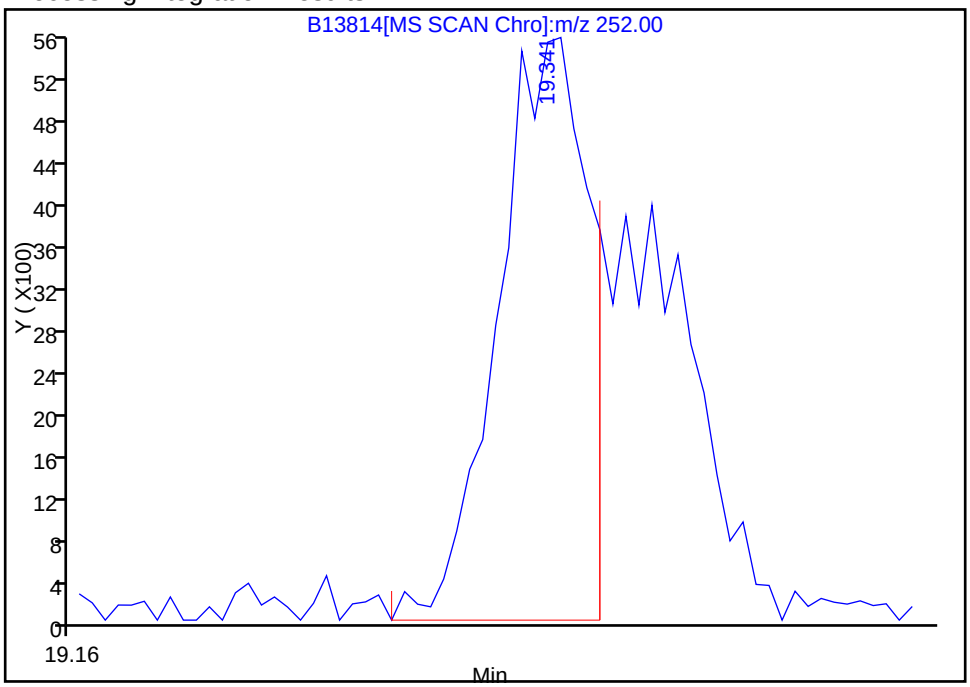
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D		
Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.38

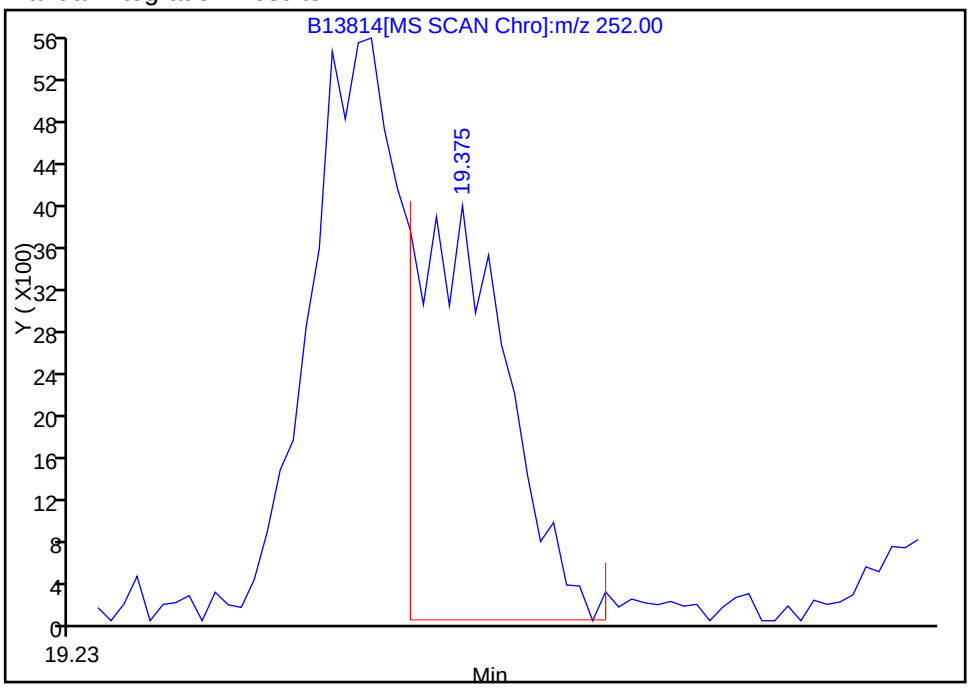
Processing Integration Results

RT: 19.34
Response: 13032
Amount: 0.257955



Manual Integration Results

RT: 19.37
Response: 9434
Amount: 0.186736



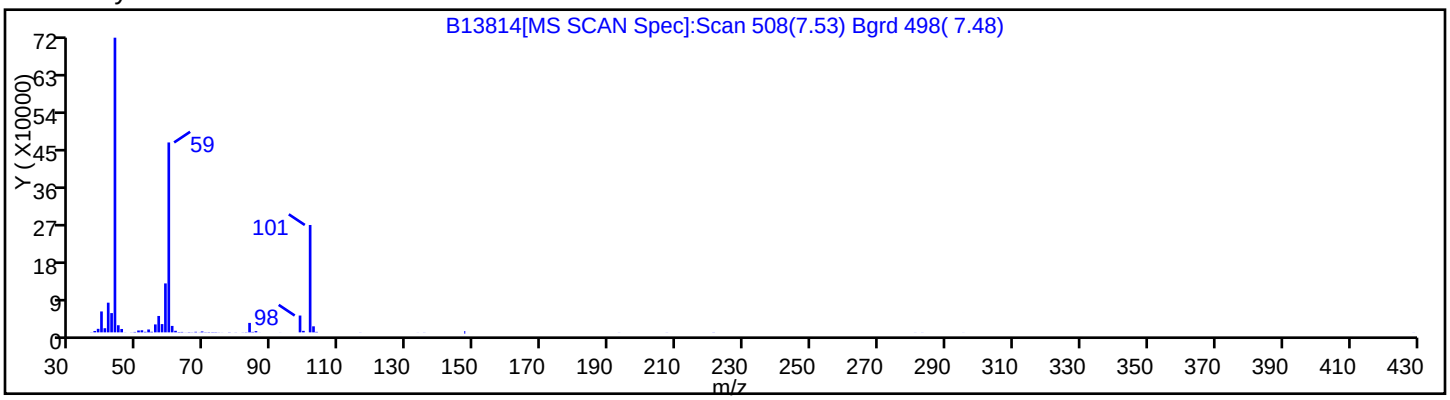
Reviewer: testerc, 23-Dec-2010 07:44:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

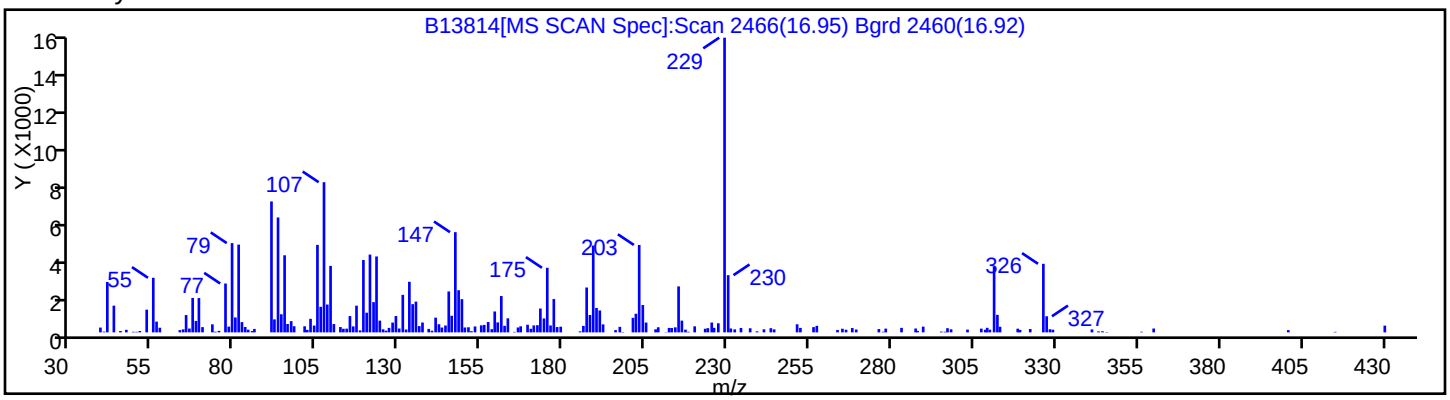


Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

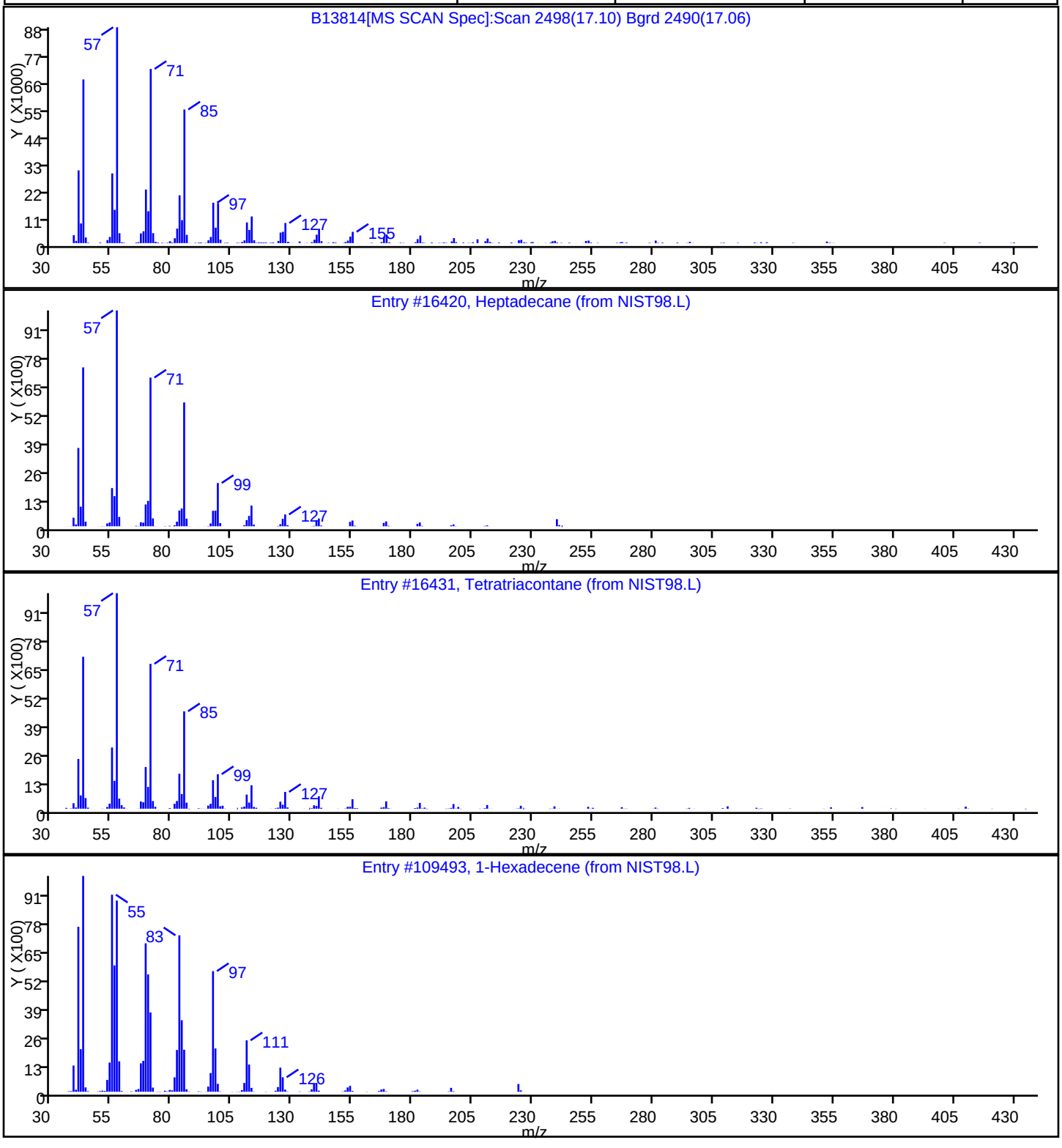
Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Injection Date: 22-Dec-2010 12:06:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	16420	95
Tetratriacontane	14167-59-0	NIST98.L	16431	91
1-Hexadecene	629-73-2	NIST98.L	109493	91

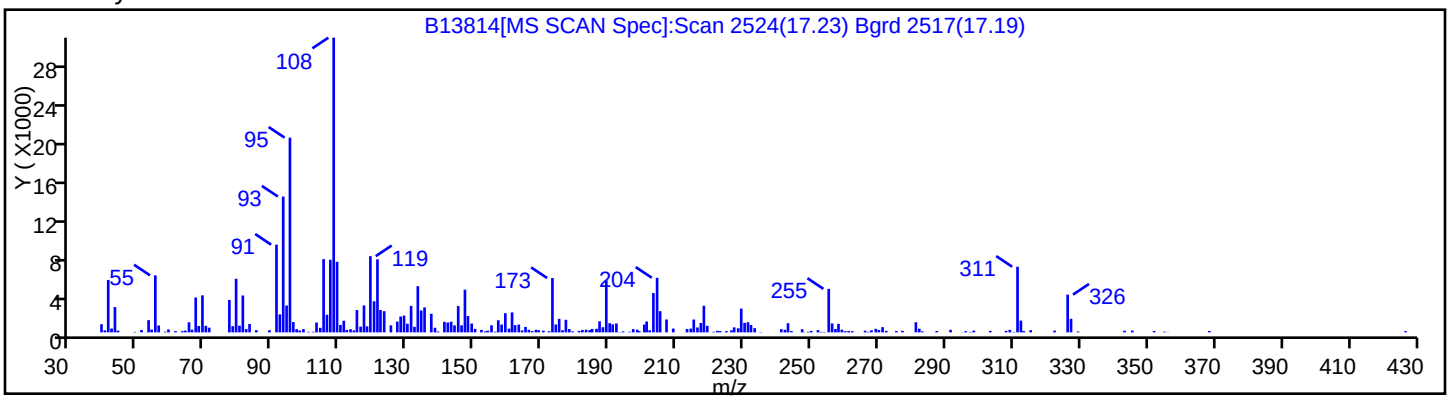


Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

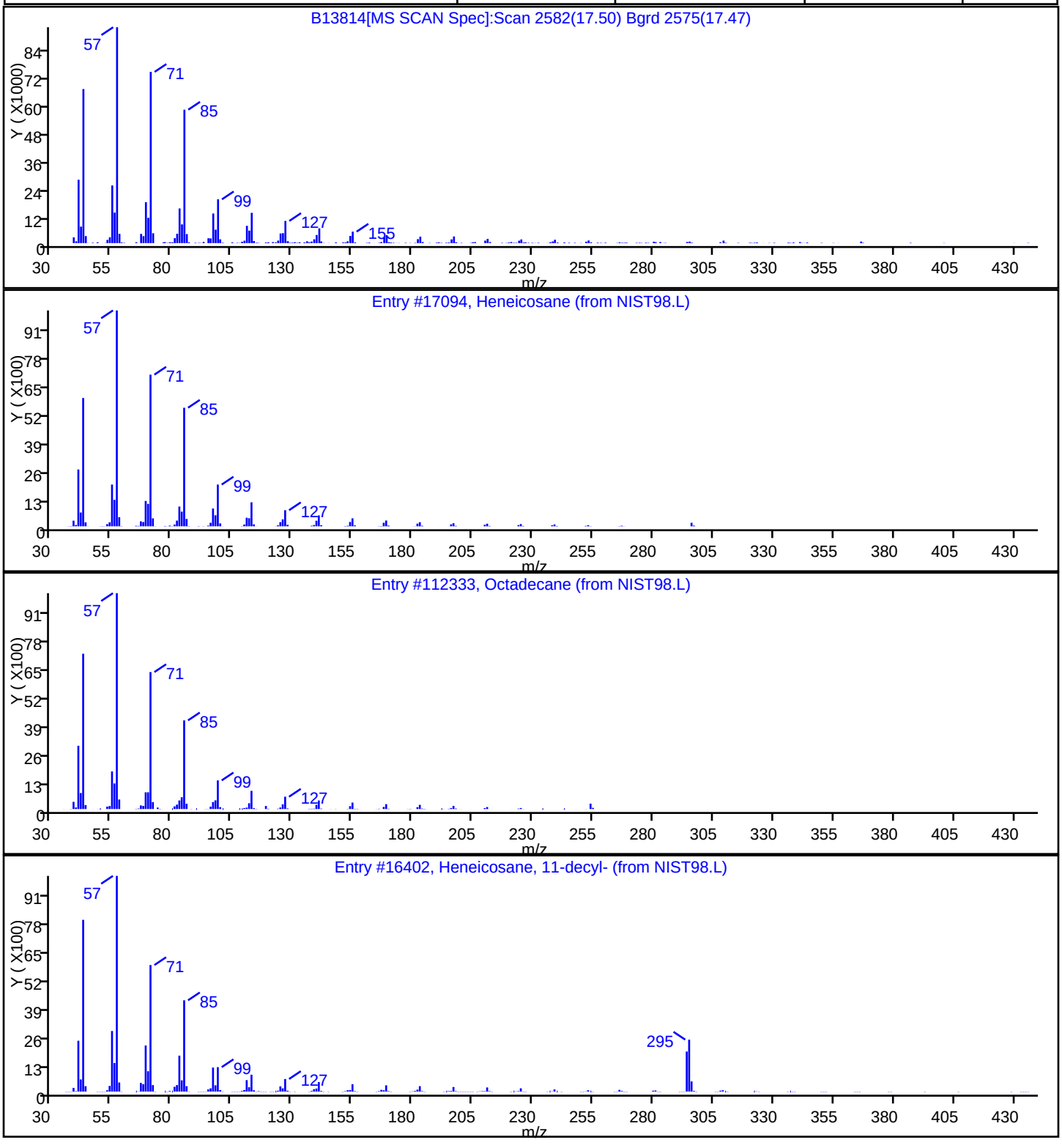
Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



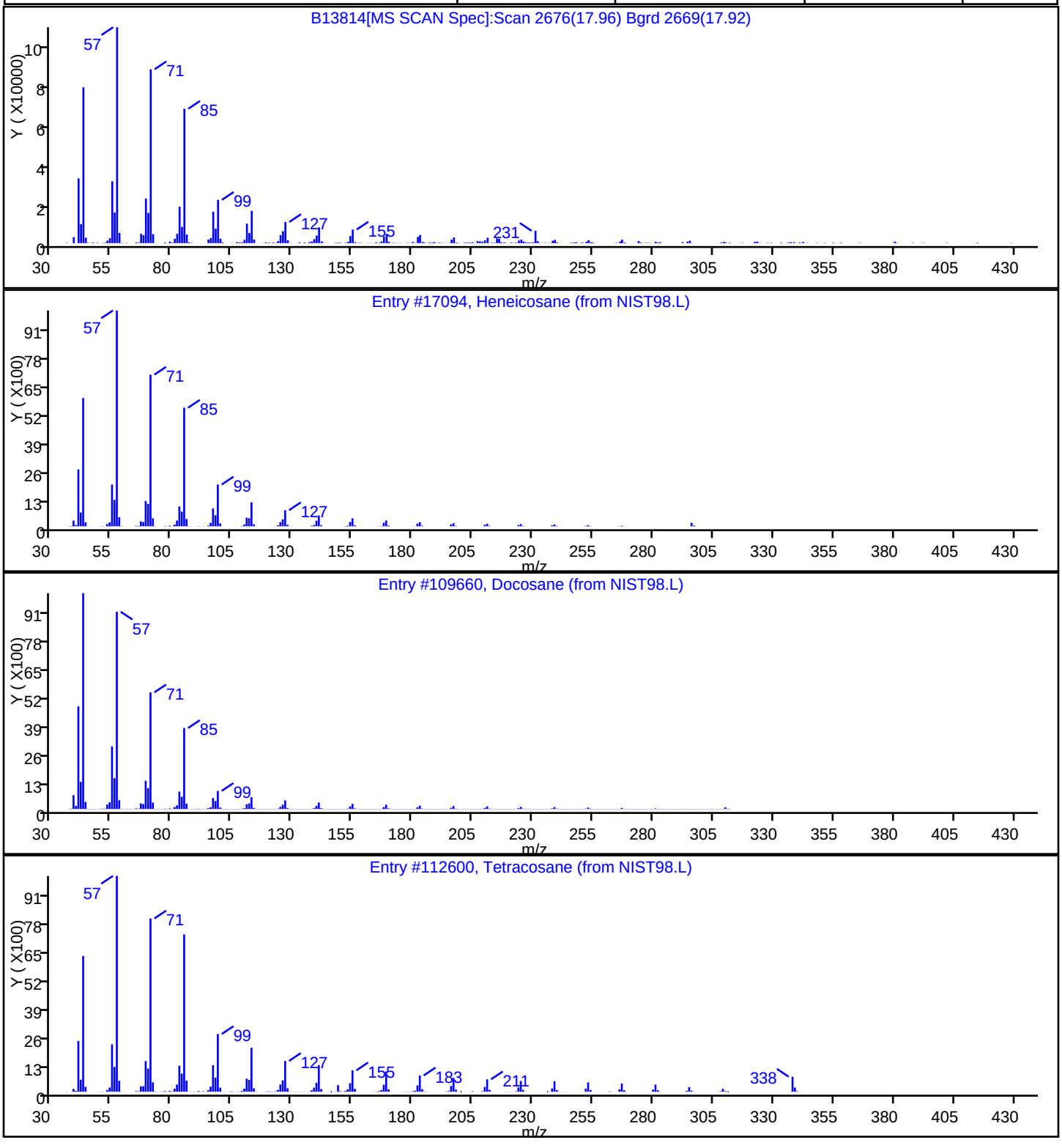
Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Injection Date: 22-Dec-2010 12:06:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	97
Octadecane	593-45-3	NIST98.L	112333	97
Heneicosane, 11-decyl-	55320-6-4	NIST98.L	16402	95



Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Injection Date: 22-Dec-2010 12:06:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	98
Docosane	629-97-0	NIST98.L	109660	96
Tetracosane	646-31-1	NIST98.L	112600	95

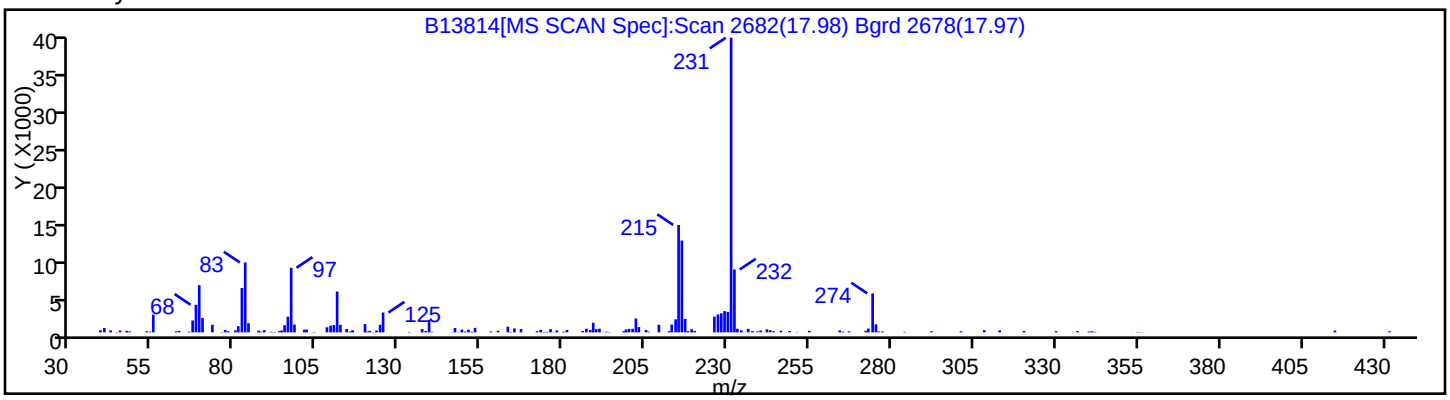


Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D

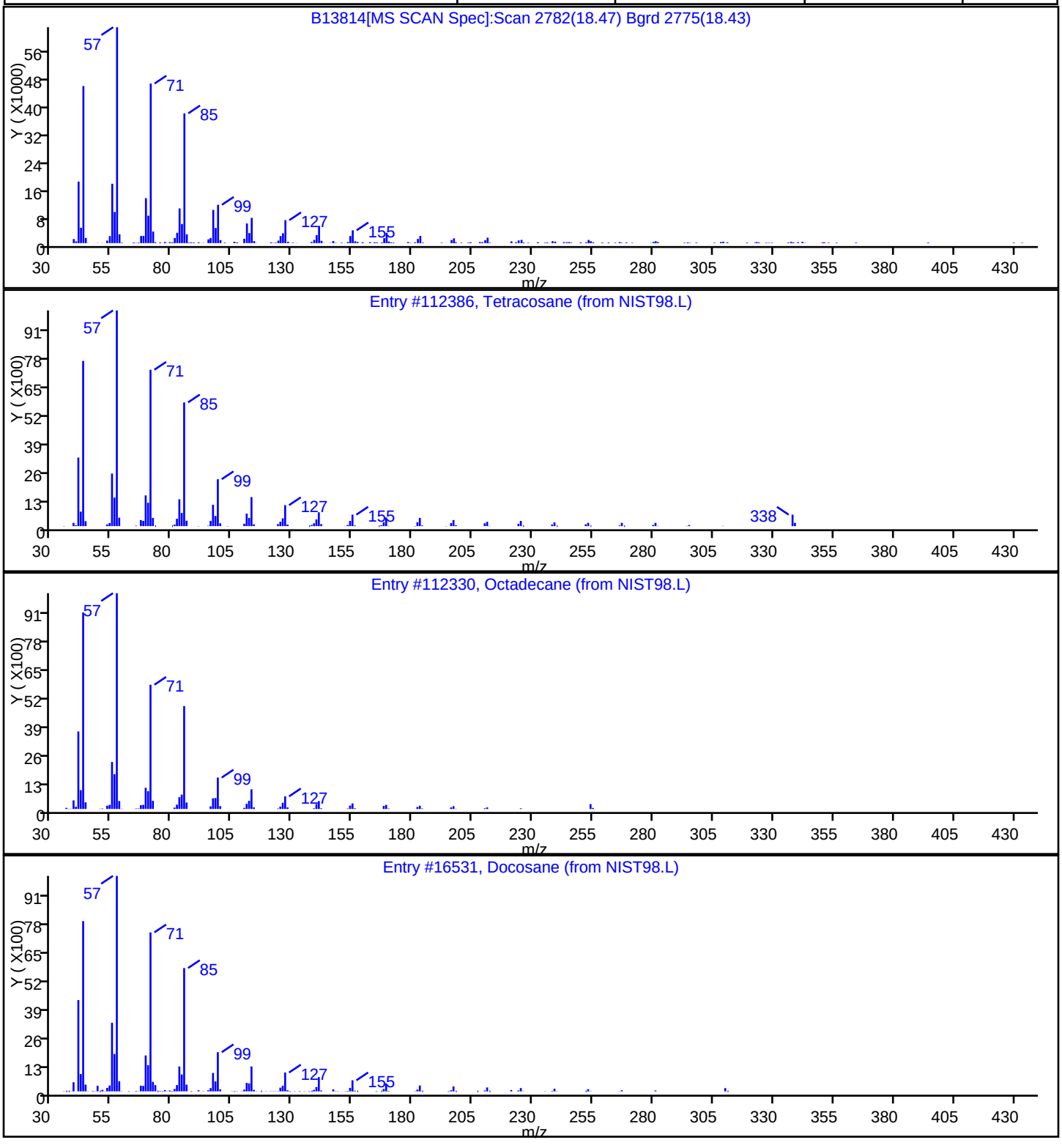
Injection Date:	22-Dec-2010 12:06:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-2-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



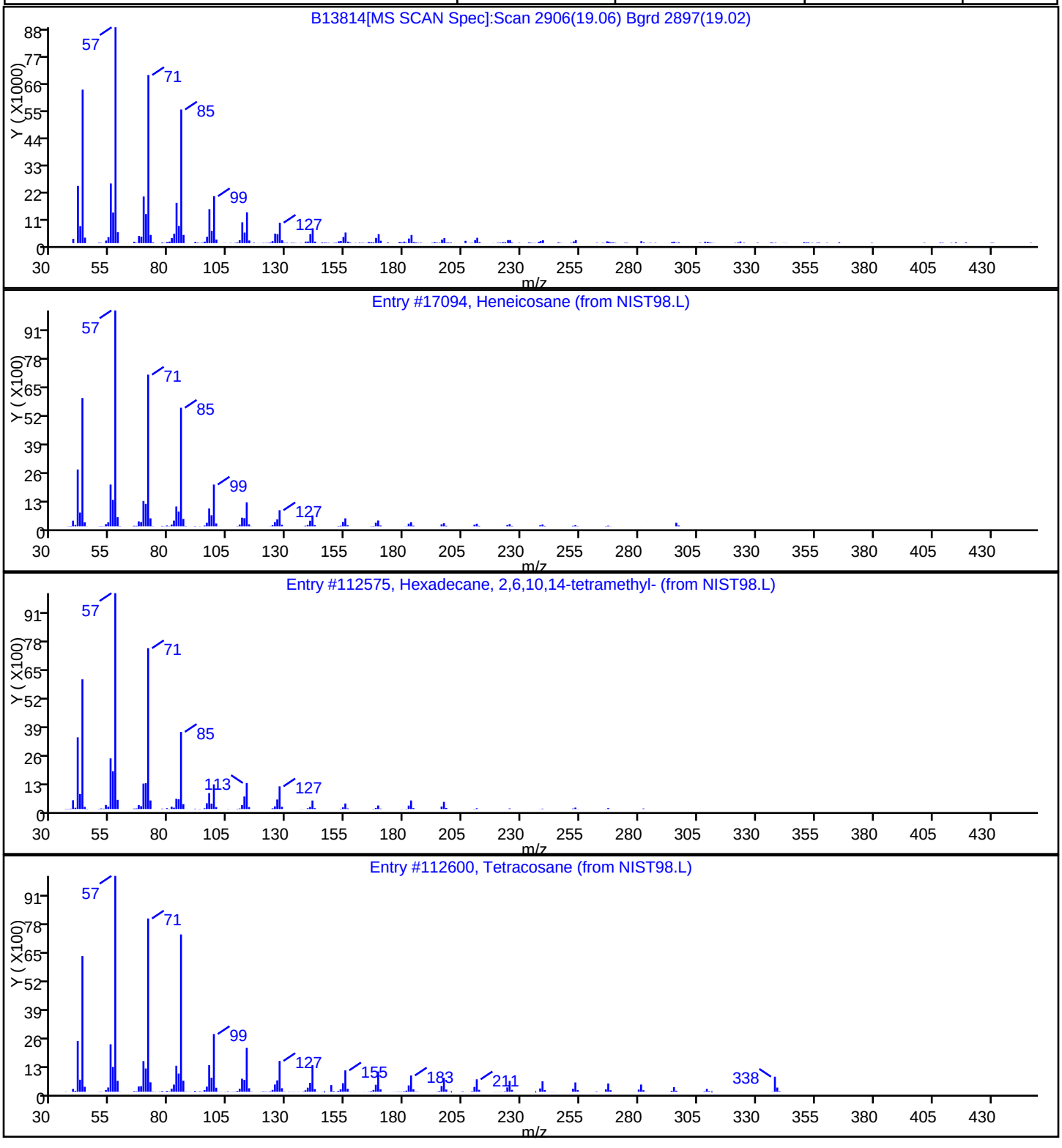
Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Injection Date: 22-Dec-2010 12:06:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112386	97
Octadecane	593-45-3	NIST98.L	112330	95
Docosane	629-97-0	NIST98.L	16531	91



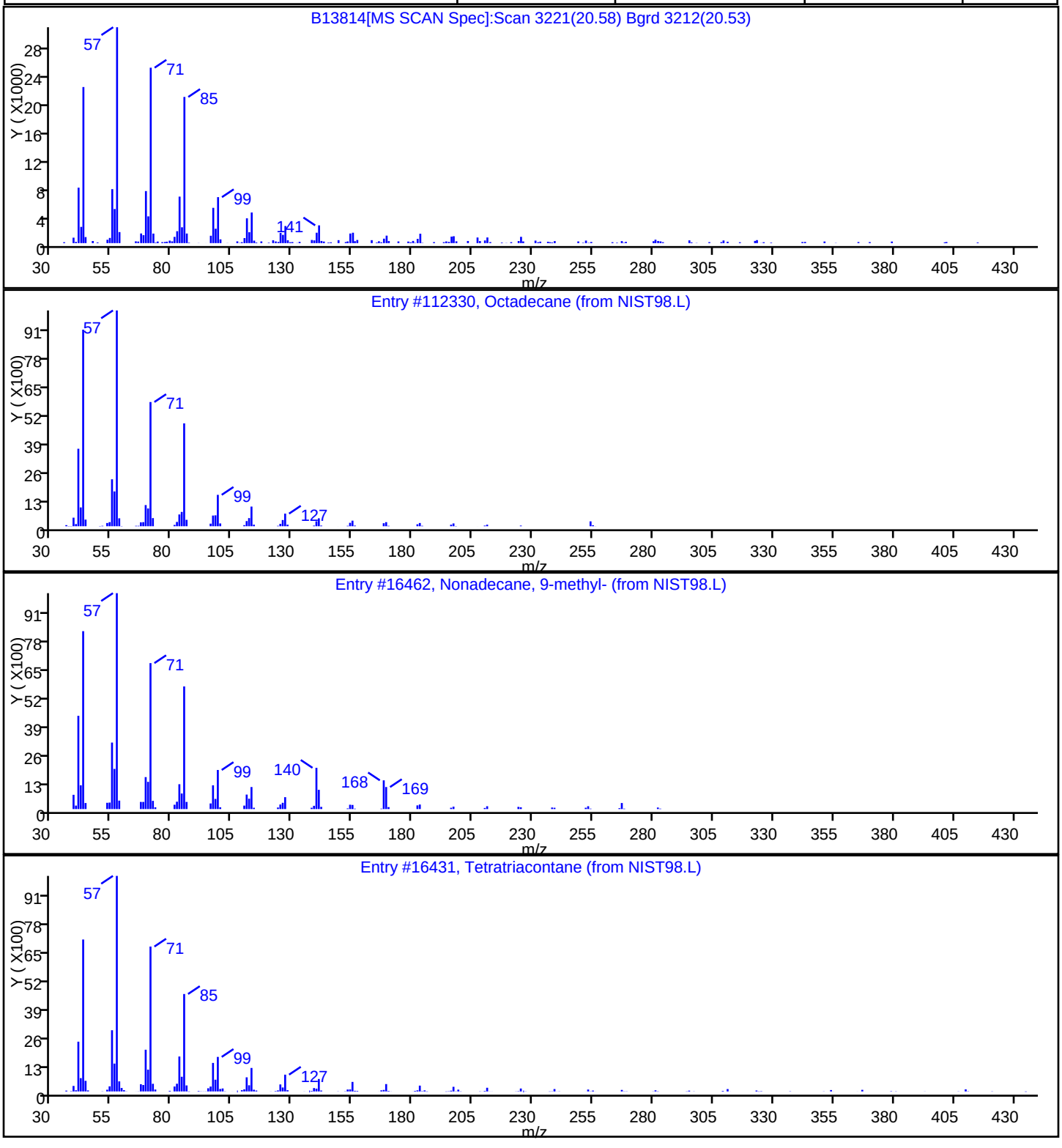
Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Injection Date: 22-Dec-2010 12:06:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	96
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.L	112575	93
Tetracosane	646-31-1	NIST98.L	112600	93



Report Date: 23-Dec-2010 07:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13814.D
Injection Date: 22-Dec-2010 12:06:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-2-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112330	94
Nonadecane, 9-methyl-	13287-24-6	NIST98.L	16462	93
Tetratriacontane	14167-59-0	NIST98.L	16431	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: B13815.D

Analysis Method: 8270D | Date Collected: 12/09/2010 08:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.12(g) | Date Analyzed: 12/22/2010 12:42

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 50

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 56.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		3800	1100
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		3800	1100
120-82-1	1,2,4-Trichlorobenzene	ND		3800	1100
95-50-1	1,2-Dichlorobenzene	ND		3800	1100
541-73-1	1,3-Dichlorobenzene	ND		3800	1100
106-46-7	1,4-Dichlorobenzene	ND		3800	1100
90-12-0	1-Methylnaphthalene	ND		3800	1100
108-60-1	2,2'-oxybis[1-chloropropane]	ND		3800	1100
58-90-2	2,3,4,6-Tetrachlorophenol	ND		3800	1100
95-95-4	2,4,5-Trichlorophenol	ND		3800	1100
88-06-2	2,4,6-Trichlorophenol	ND		3800	1100
120-83-2	2,4-Dichlorophenol	ND		3800	1100
105-67-9	2,4-Dimethylphenol	ND		3800	1500
51-28-5	2,4-Dinitrophenol	ND		3800	1100
121-14-2	2,4-Dinitrotoluene	ND		3800	1100
606-20-2	2,6-Dinitrotoluene	ND		3800	1100
91-58-7	2-Chloronaphthalene	ND		3800	1100
95-57-8	2-Chlorophenol	ND		3800	1100
91-57-6	2-Methylnaphthalene	ND		3800	1100
95-48-7	2-Methylphenol	ND		3800	2300
88-74-4	2-Nitroaniline	ND		19000	1100
88-75-5	2-Nitrophenol	ND		3800	1100
15831-10-4	3 & 4 Methylphenol	ND		3800	1100
91-94-1	3,3'-Dichlorobenzidine	ND		7600	1100
99-09-2	3-Nitroaniline	ND		19000	1100
534-52-1	4,6-Dinitro-2-methylphenol	ND		19000	1100
101-55-3	4-Bromophenyl phenyl ether	ND		3800	1100
59-50-7	4-Chloro-3-methylphenol	ND		7600	1100
106-47-8	4-Chloroaniline	ND		7600	1100
7005-72-3	4-Chlorophenyl phenyl ether	ND		3800	1100
100-01-6	4-Nitroaniline	ND		19000	1100
100-02-7	4-Nitrophenol	ND		19000	1100
83-32-9	Acenaphthene	ND		3800	1100
208-96-8	Acenaphthylene	ND		3800	1100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: B13815.D

Analysis Method: 8270D | Date Collected: 12/09/2010 08:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.12(g) | Date Analyzed: 12/22/2010 12:42

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 50

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 56.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		3800	1100
62-53-3	Aniline	ND		3800	1100
120-12-7	Anthracene	ND		3800	1100
1912-24-9	Atrazine	ND		3800	1100
103-33-3	Azobenzene	ND		3800	1100
100-52-7	Benzaldehyde	ND		3800	1100
56-55-3	Benzo[a]anthracene	1400	J	3800	1100
50-32-8	Benzo[a]pyrene	1500	J	3800	1100
205-99-2	Benzo[b]fluoranthene	2000	J	3800	1100
191-24-2	Benzo[g,h,i]perylene	1600	J	3800	1100
207-08-9	Benzo[k]fluoranthene	ND		3800	1100
65-85-0	Benzoic acid	ND		19000	1700
119-61-9	Benzophenone	ND		3800	1100
100-51-6	Benzyl alcohol	ND		7600	3300
111-91-1	Bis(2-chloroethoxy)methane	ND		3800	1100
111-44-4	Bis(2-chloroethyl)ether	ND		3800	1100
117-81-7	Bis(2-ethylhexyl) phthalate	4700		3800	1100
85-68-7	Butyl benzyl phthalate	ND		3800	1100
105-60-2	Caprolactam	ND		3800	1100
86-74-8	Carbazole	ND		3800	1100
218-01-9	Chrysene	1800	J	3800	1100
53-70-3	Dibenz(a,h)anthracene	ND		3800	1100
132-64-9	Dibenzofuran	ND		3800	1100
84-66-2	Diethyl phthalate	ND		3800	1100
131-11-3	Dimethyl phthalate	ND		3800	1100
84-74-2	Di-n-butyl phthalate	ND		3800	3400
117-84-0	Di-n-octyl phthalate	ND		3800	1900
206-44-0	Fluoranthene	3500	J	3800	1100
86-73-7	Fluorene	ND		3800	1100
118-74-1	Hexachlorobenzene	ND		3800	1100
87-68-3	Hexachlorobutadiene	ND		3800	1100
77-47-4	Hexachlorocyclopentadiene	ND		7600	1100
67-72-1	Hexachloroethane	ND		3800	1100
193-39-5	Indeno[1,2,3-cd]pyrene	1400	J	3800	1100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: B13815.D

Analysis Method: 8270D | Date Collected: 12/09/2010 08:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.12(g) | Date Analyzed: 12/22/2010 12:42

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 50

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 56.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		3800	1100
91-20-3	Naphthalene	ND		9200	1100
98-95-3	Nitrobenzene	ND		3800	1100
621-64-7	N-Nitrosodi-n-propylamine	ND		3800	1100
86-30-6	N-Nitrosodiphenylamine	2000	J	3800	1100
87-86-5	Pentachlorophenol	ND		3800	1100
85-01-8	Phenanthrene	1100	J	4600	1100
108-95-2	Phenol	ND		3800	1100
101-84-8	Diphenyl oxide	ND		3800	1100
129-00-0	Pyrene	2900	J	3800	1100
62-75-9	N-Nitrosodimethylamine	ND		3800	1400

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

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-LB-3-XXX | Lab Sample ID: 360-31465-4

Matrix: Solid | Lab File ID: B13815.D

Analysis Method: 8270D | Date Collected: 12/09/2010 08:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.12(g) | Date Analyzed: 12/22/2010 12:42

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 50

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 56.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 16700

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.52	5500	T J
	Unknown	11.67	1900	T J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.41	1700	T J N
	Unknown	12.93	1600	T J
122-39-4	Diphenylamine	14.01	1700	J
17081-50-4	Pentadecane, 2,6,10,13-tetramethyl-	14.20	4300	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D		
Lims ID:	360-31465-A-4-B	Client ID:	OC-SD-LB-3-XXX
Inject. Date:	22-Dec-2010 12:42:30	Dil. Factor:	50.0000
Sample Type:	Client		
Sample ID:	31465-A-4-B RR 50X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	67515	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:47:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.615	9.613	0.002	91	103223	4.00	
* 2 Naphthalene-d8	136	11.226	11.224	0.002	99	361485	4.00	
* 3 Acenaphthene-d10	164	13.346	13.345	0.001	91	209277	4.00	
* 4 Phenanthrene-d10	188	14.880	14.879	0.001	95	340143	4.00	
* 5 Chrysene-d12	240	17.588	17.586	0.002	97	269521	4.00	
* 6 Perylene-d12	264	20.165	20.159	0.006	80	175291	4.00	
22 1,4-Dichlorobenzene	146	9.634	9.637	-0.003	53	4049	0.1331	
25 1,2-Dichlorobenzene	146	9.841	9.839	0.002	87	2613	0.0891	
72 N-Nitrosodiphenylamine	169	14.005	14.004	0.001	50	17354	0.5116	
80 Phenanthrene	178	14.900	14.898	0.002	96	19097	0.2919	
81 Anthracene	178	14.953	14.951	0.002	91	8403	0.1337	
82 DFTPP	198	15.049	15.007	0.042	0	664	0	
84 Di-n-butyl phthalate	149	15.294	15.297	-0.003	98	8764	0.1030	
87 Fluoranthene	202	16.010	16.009	0.001	98	60728	0.9175	
85 Pyrene	202	16.246	16.245	0.001	96	48980	0.7708	
92 Bis(2-ethylhexyl) phthalate	149	17.318	17.317	0.001	90	55436	1.23	
93 Benzo[a]anthracene	228	17.573	17.573	0.006	46	18142	0.3642	A
94 Chrysene	228	17.621	17.625	-0.004	74	24179	0.4809	
97 Benzo[b]fluoranthene	252	19.343	19.327	0.016	96	23882	0.5257	
98 Benzo[k]fluoranthene	252	19.377	19.377	-0.003	0	11373	0.2591	M
99 Benzo[a]pyrene	252	20.050	20.039	0.011	60	14460	0.3947	
100 Indeno[1,2,3-cd]pyrene	276	23.089	23.073	0.016	91	10427	0.3564	
102 Benzo[g,h,i]perylene	276	24.017	23.996	0.021	93	10606	0.4215	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D		
Lims ID:	360-31465-A-4-B	Client ID:	OC-SD-LB-3-XXX
Inject. Date:	22-Dec-2010 12:42:30	Dil. Factor:	50.0000
Sample Type:	Client		
Sample ID:	31465-A-4-B RR 50X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	67515	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:47:26

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	14.005	17354	0.4373	
1,2-Diphenylhydrazine	14.010	1746	0.0329	
Pentachloronitrobenzene	14.616	555	0.1029	
Benzidine	16.164	1665	0.1597	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.518	201645	1.44	1			
		Unknown				
11.668	85862	0.4961	2			
638-36-8		Hexadecane, 2,6,10,14-tetramethyl-				
12.409	102626	0.4347	3	91	112575	
		Unknown				
12.933	100232	0.4246	3			
17081-50-4		Pentadecane, 2,6,10,13-tetramethyl-				
14.198	237893	1.12	4	94	1740	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.615	559291	4.00
* 2 Naphthalene-d8	11.226	692326	4.00

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	13.346	944264	4.00
* 4 Phenanthrene-d10	14.880	851837	4.00

QC Flag Legend

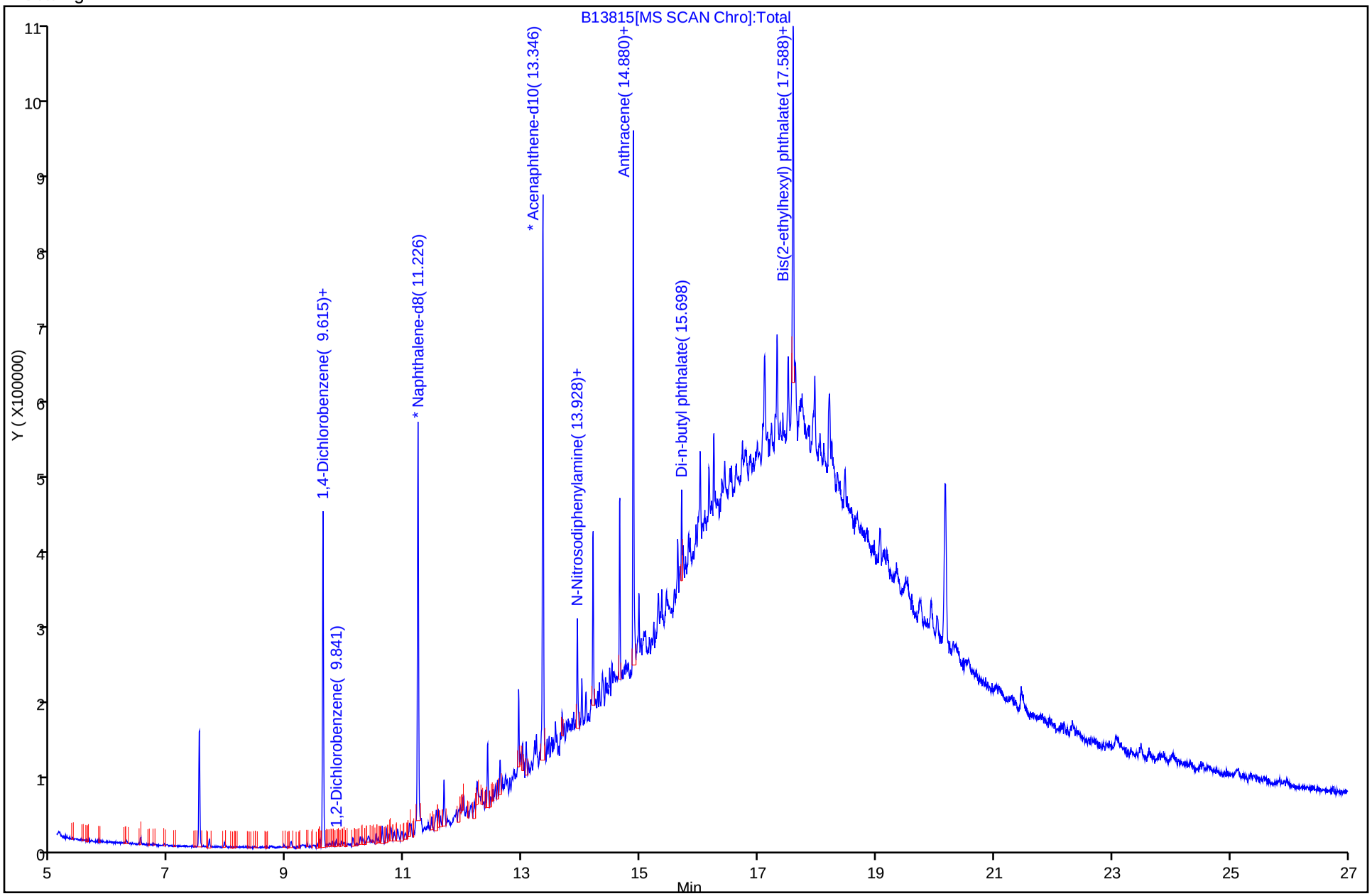
Processing Flags

Report Date: 23-Dec-2010 07:47:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

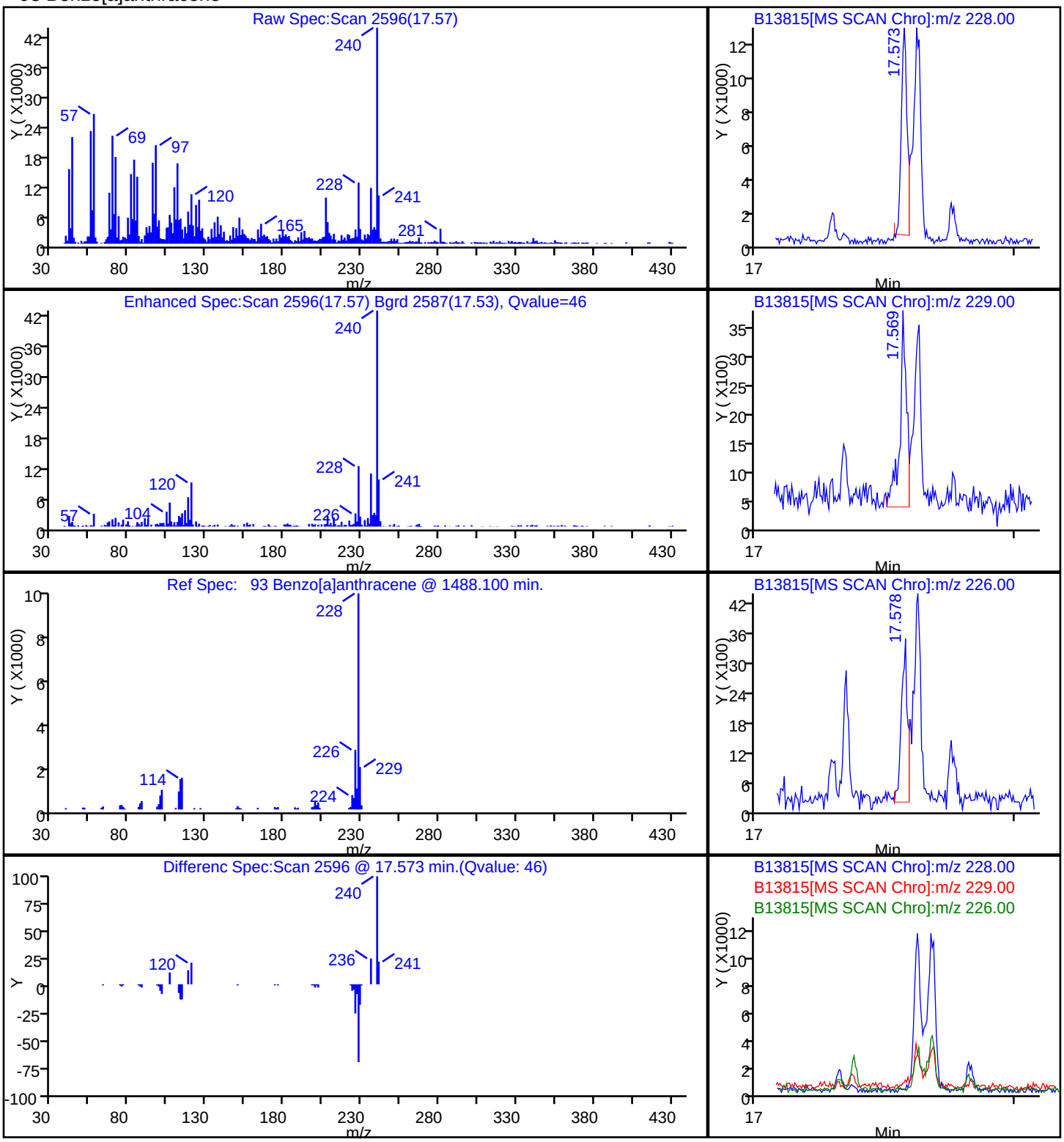


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene

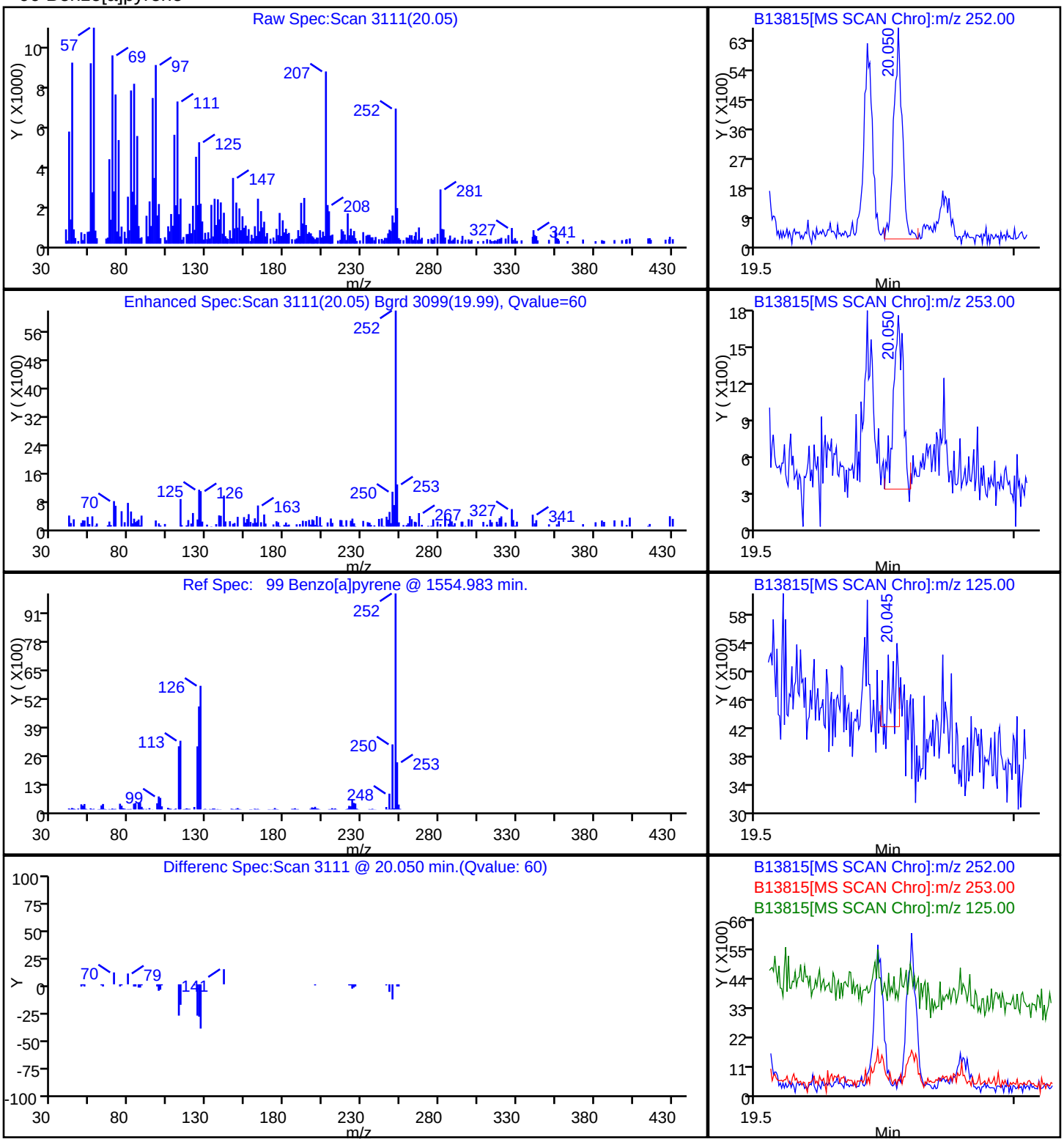


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

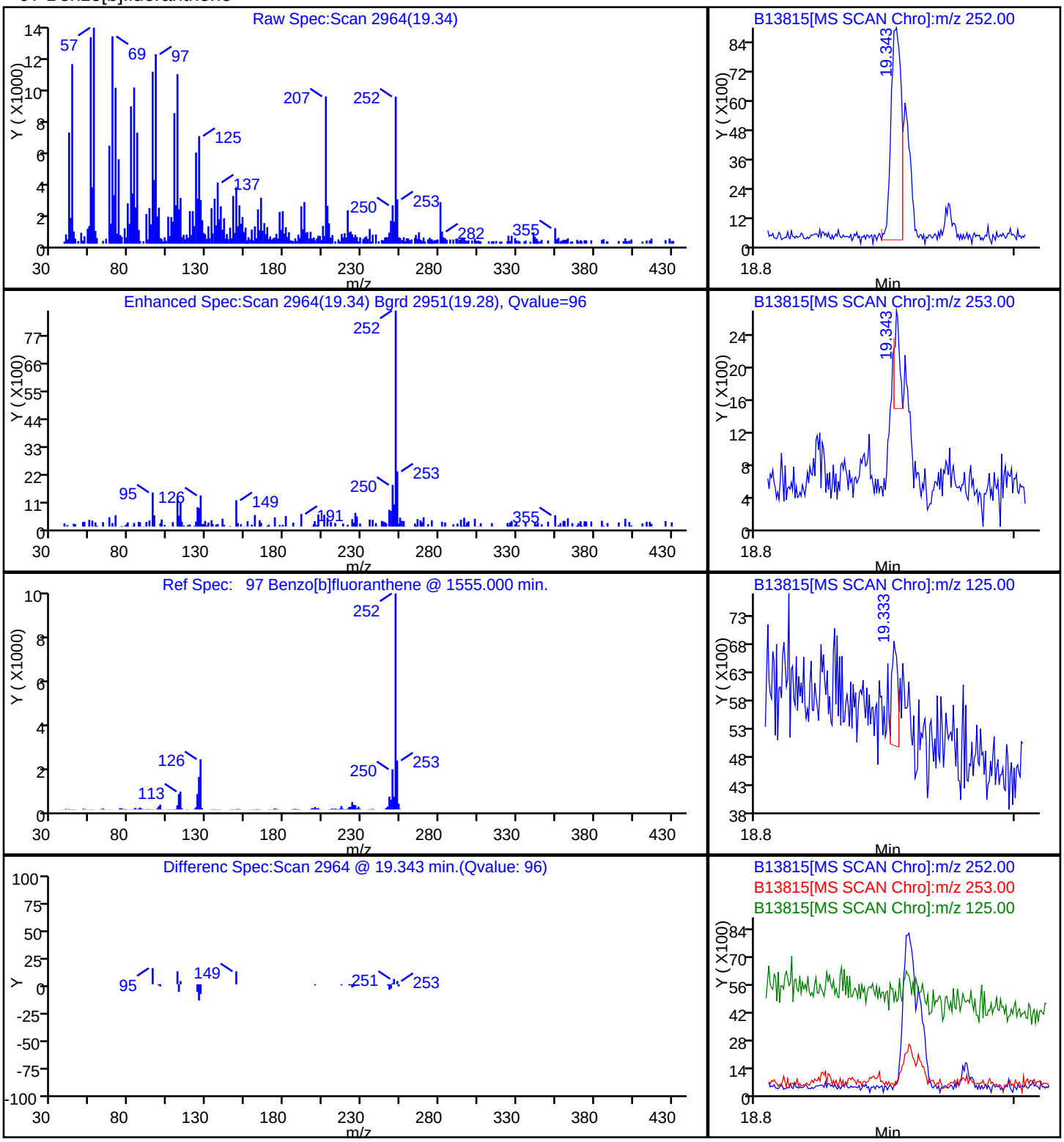


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

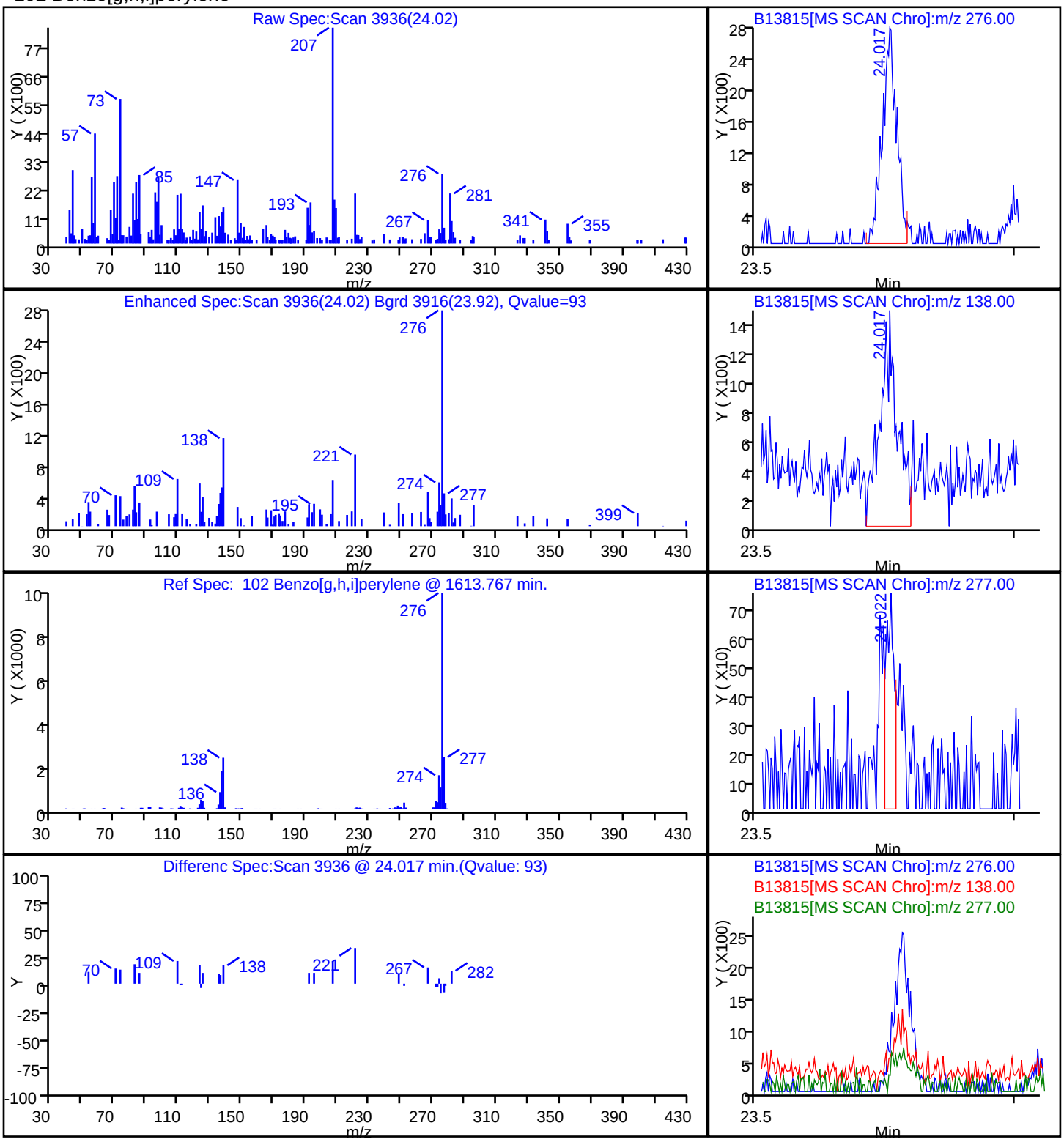


Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene

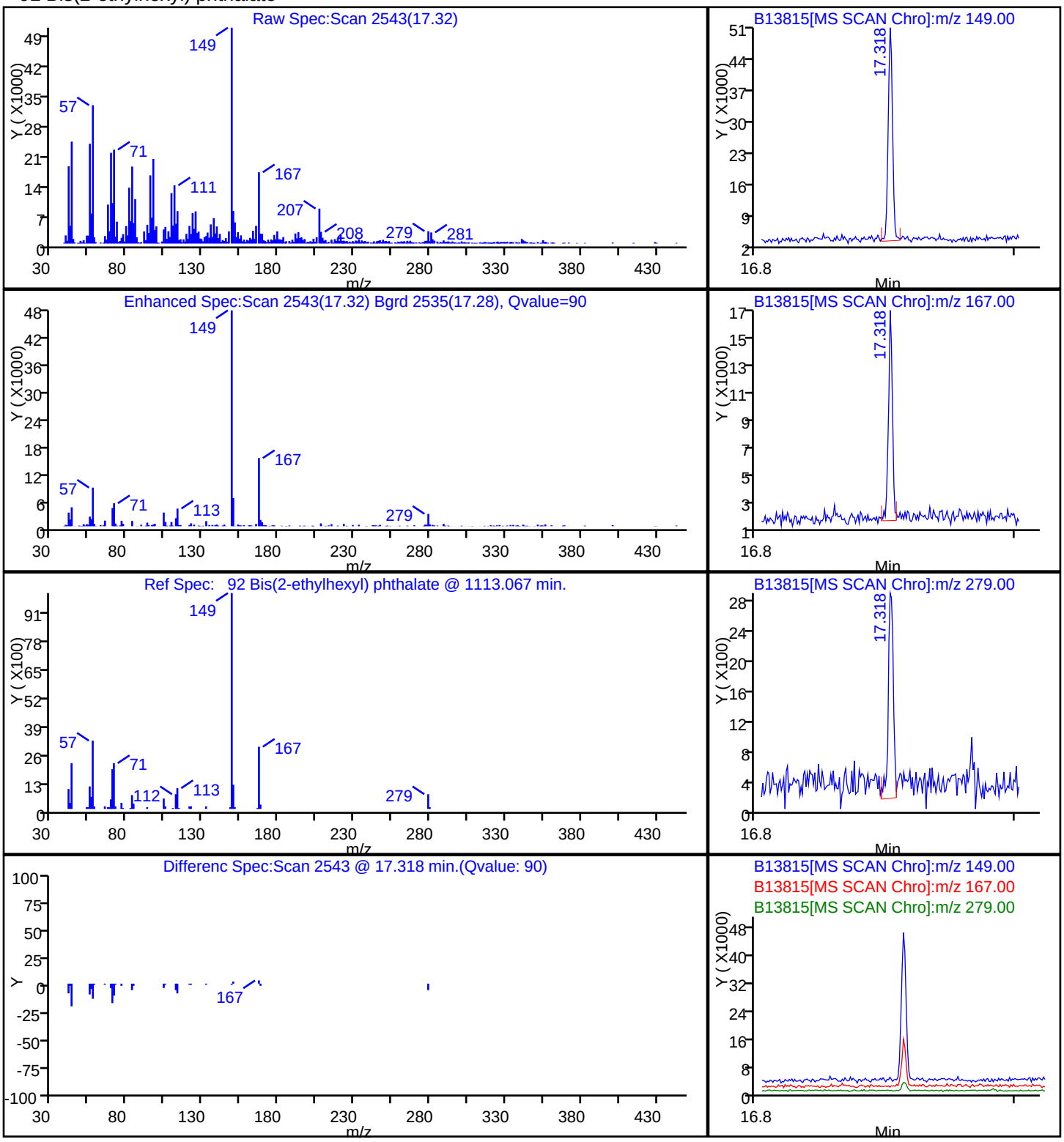


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate

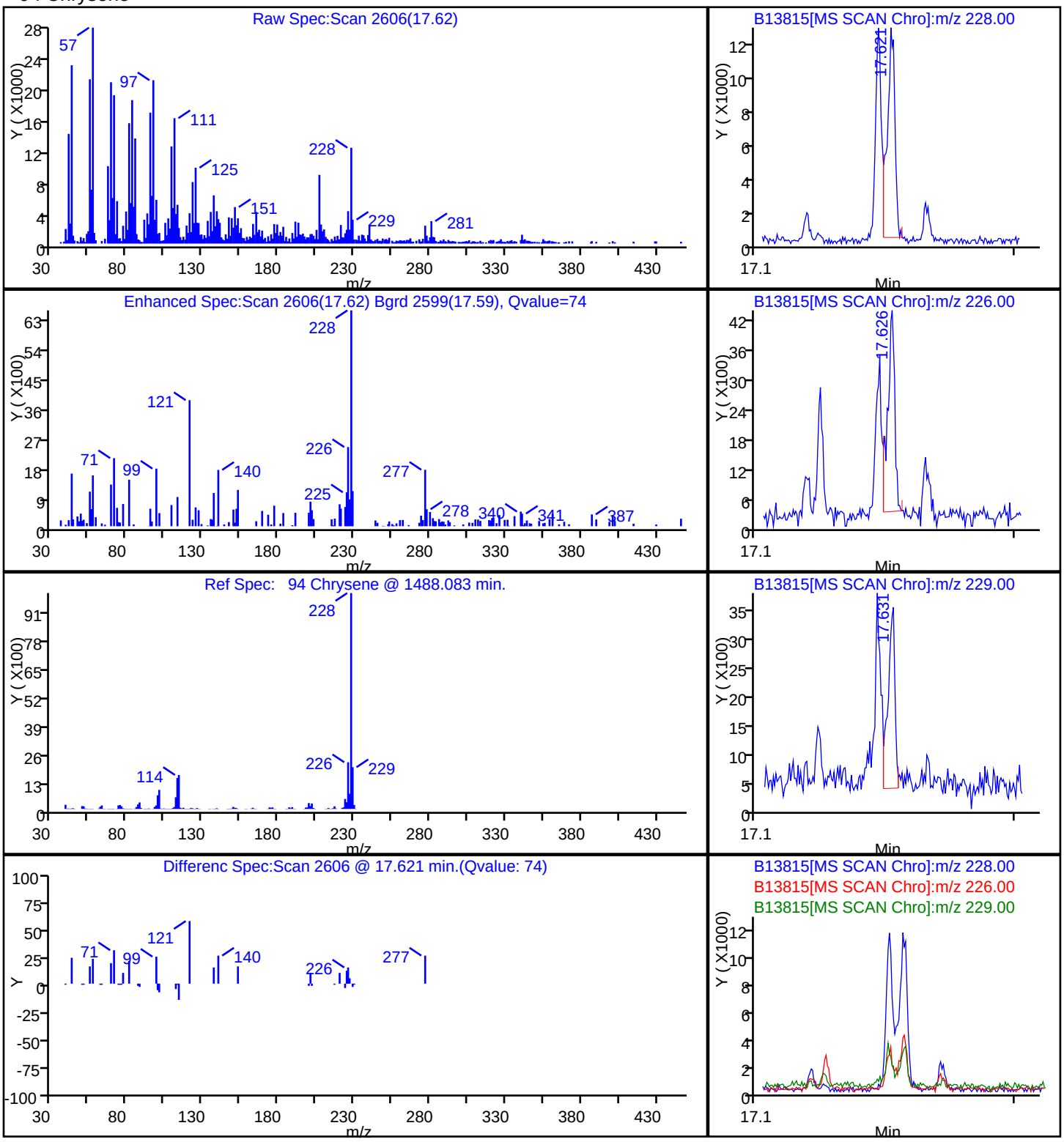


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

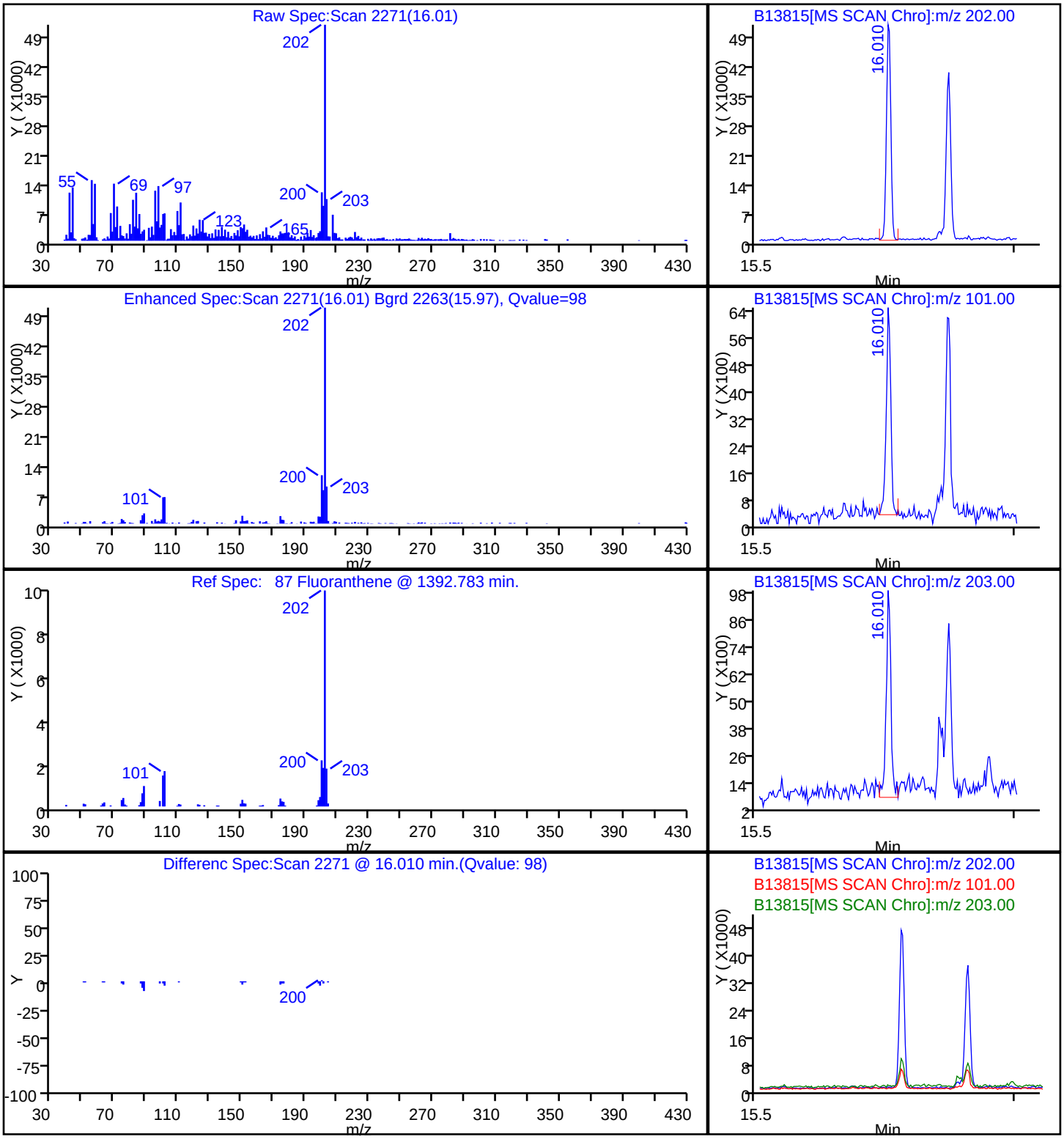


Report Date: 23-Dec-2010 07:47:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

87 Fluoranthene

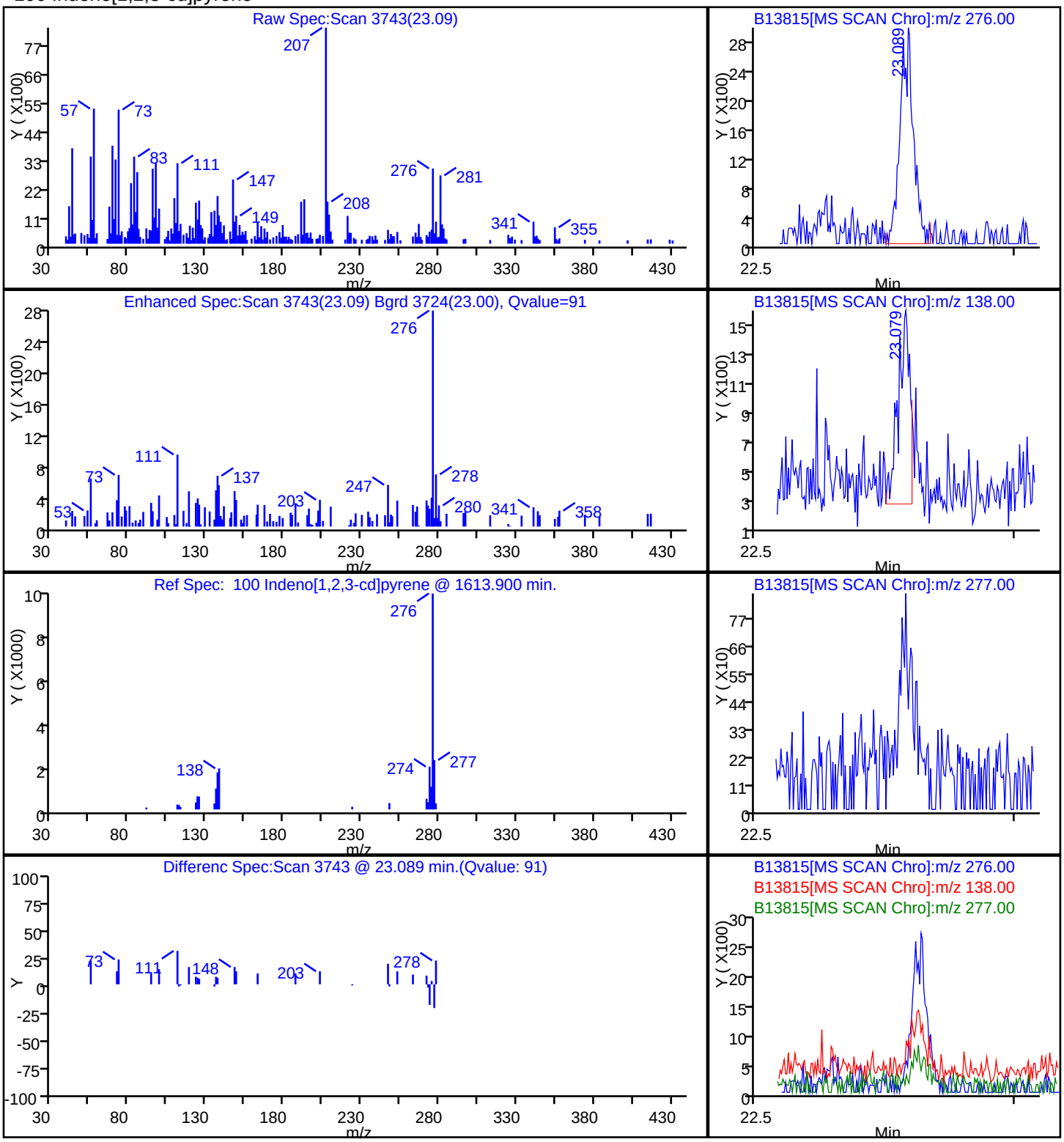


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

100 Indeno[1,2,3-cd]pyrene

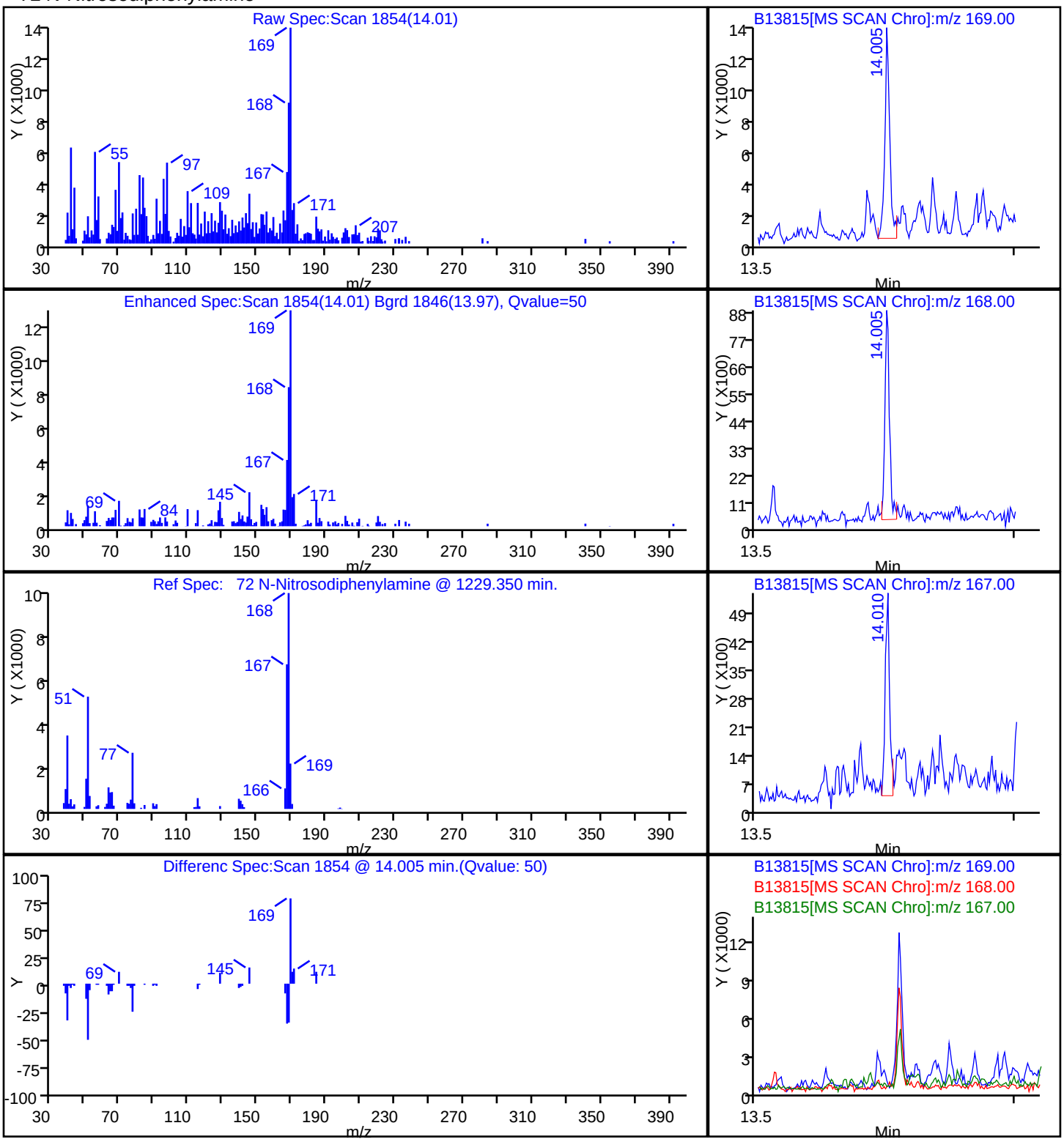


Report Date: 23-Dec-2010 07:47:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

72 N-Nitrosodiphenylamine

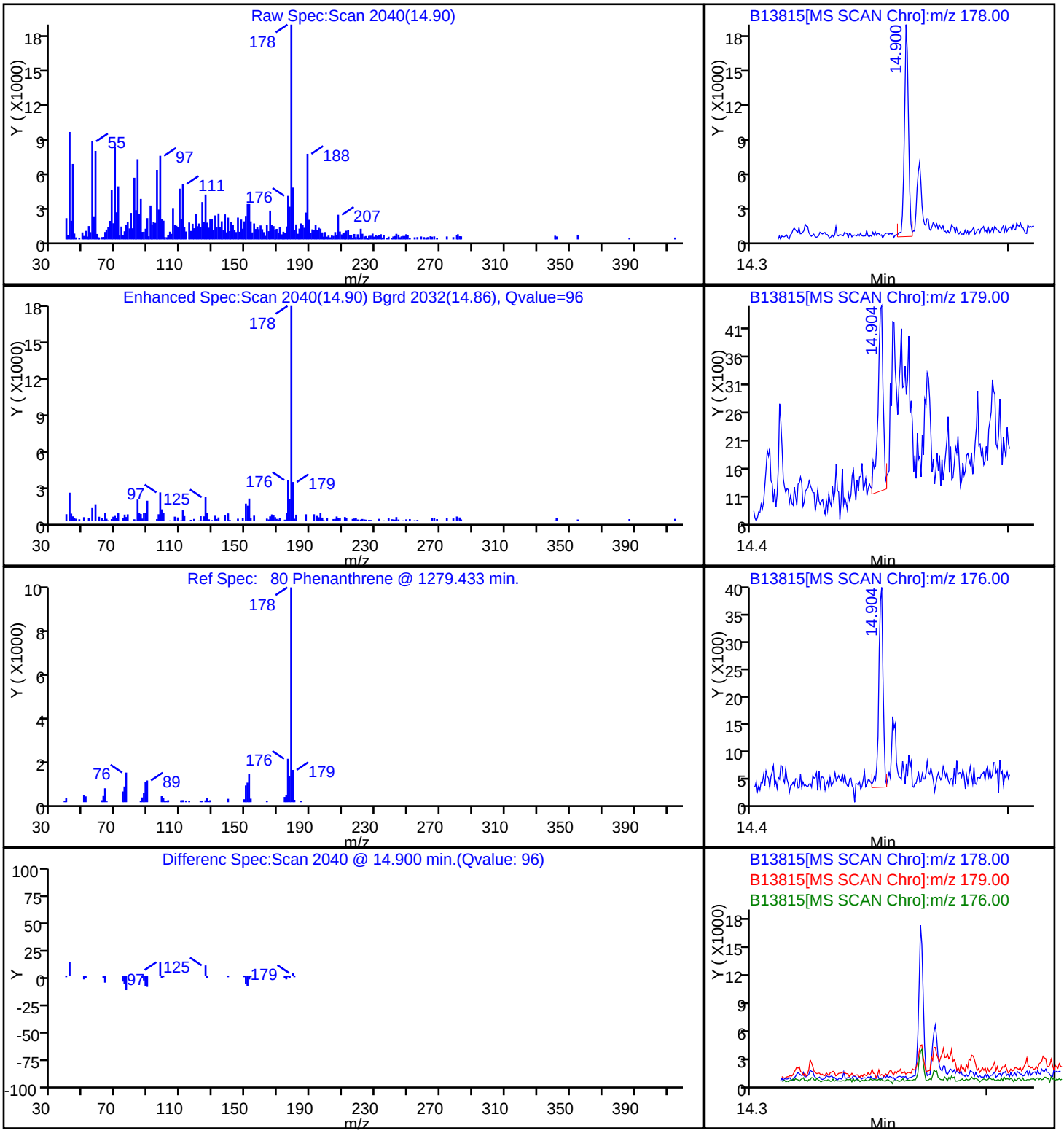


Report Date: 23-Dec-2010 07:47:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

80 Phenanthrene

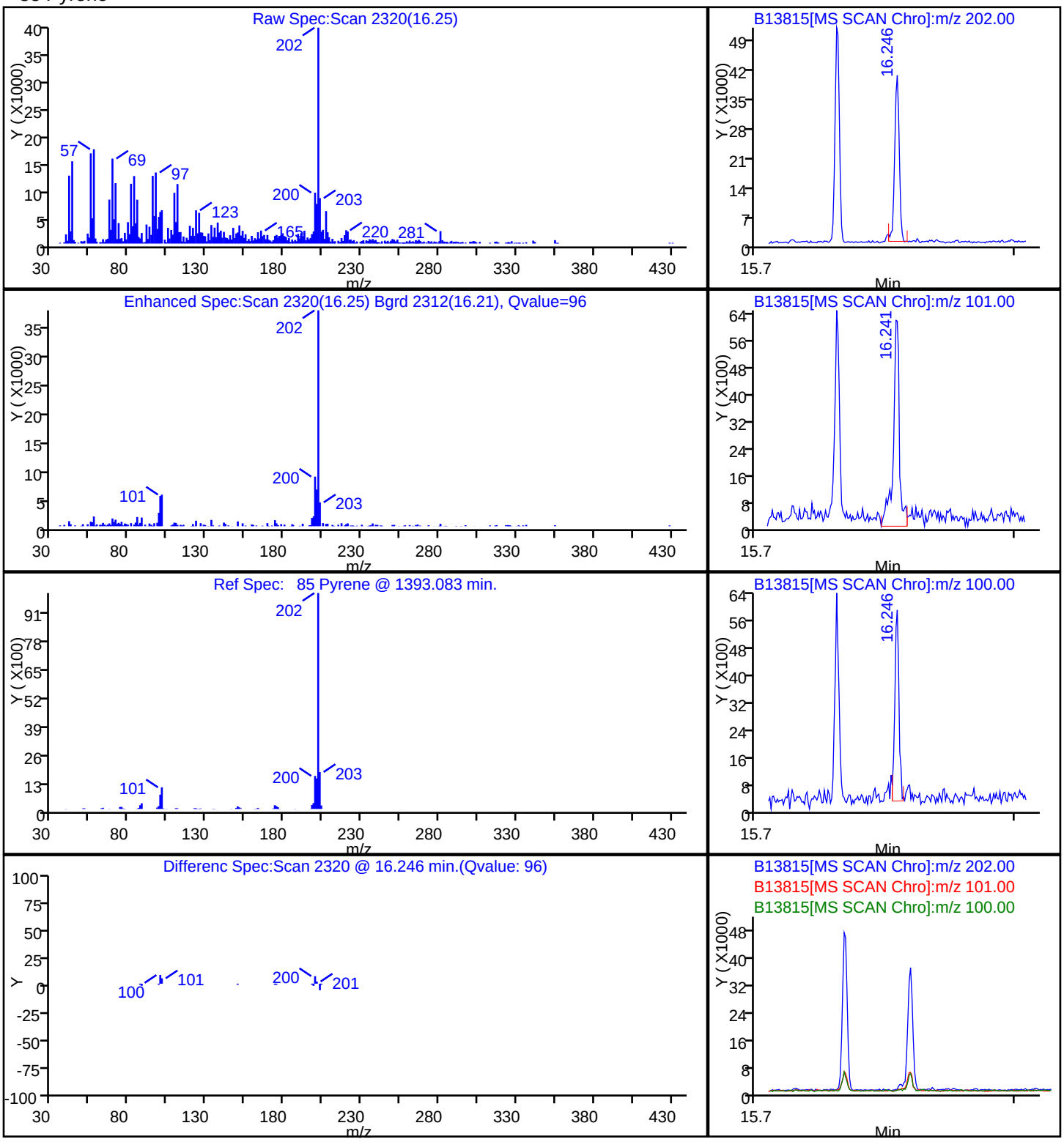


Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene

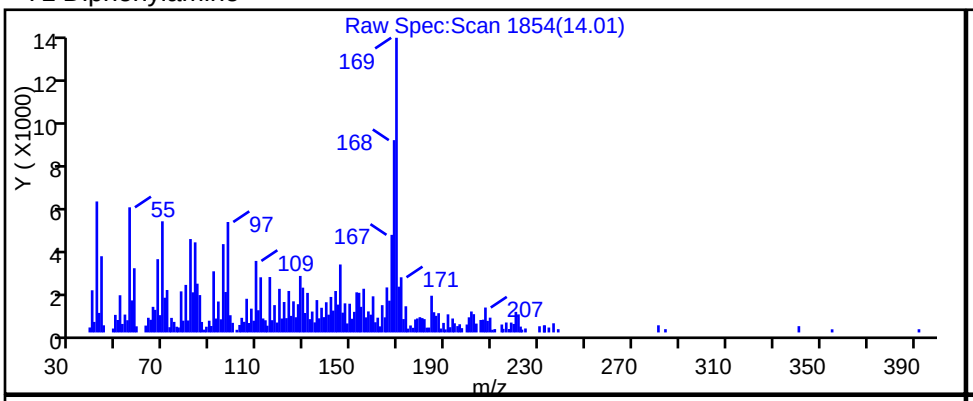


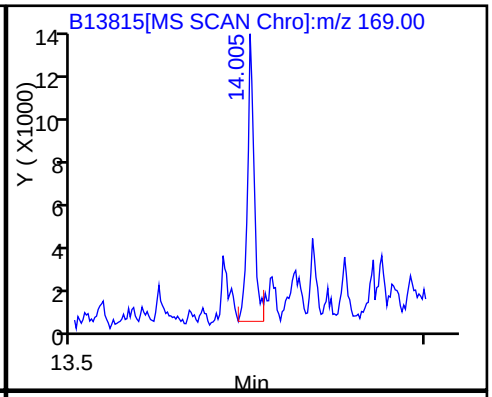
Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

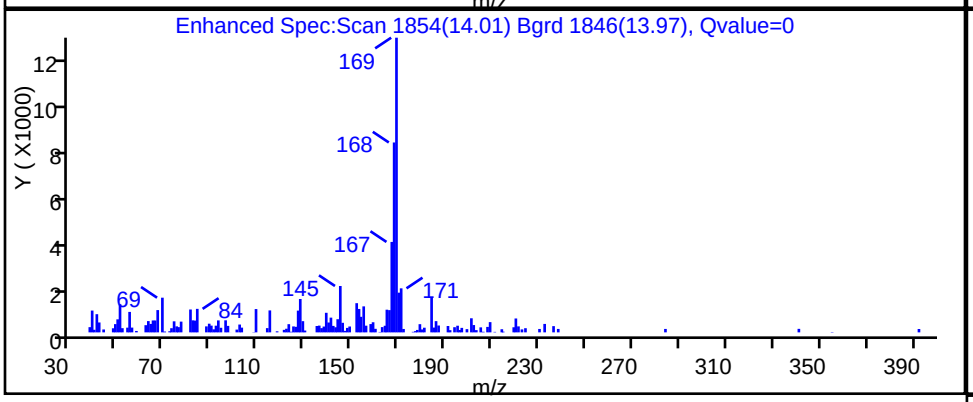
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

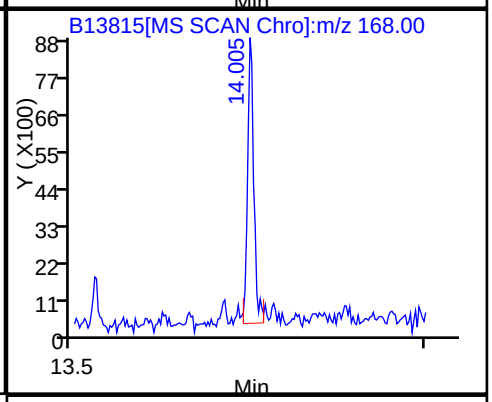
Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

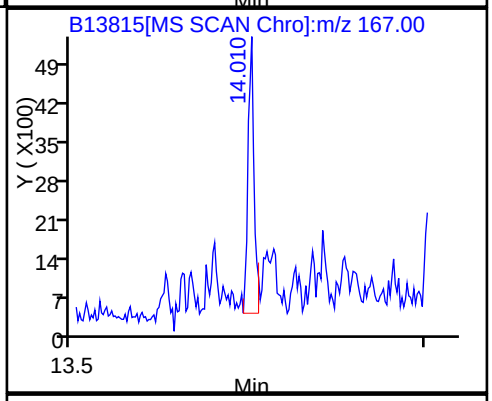
71 Diphenylamine

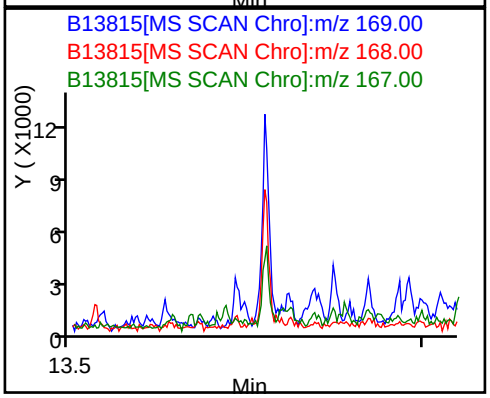












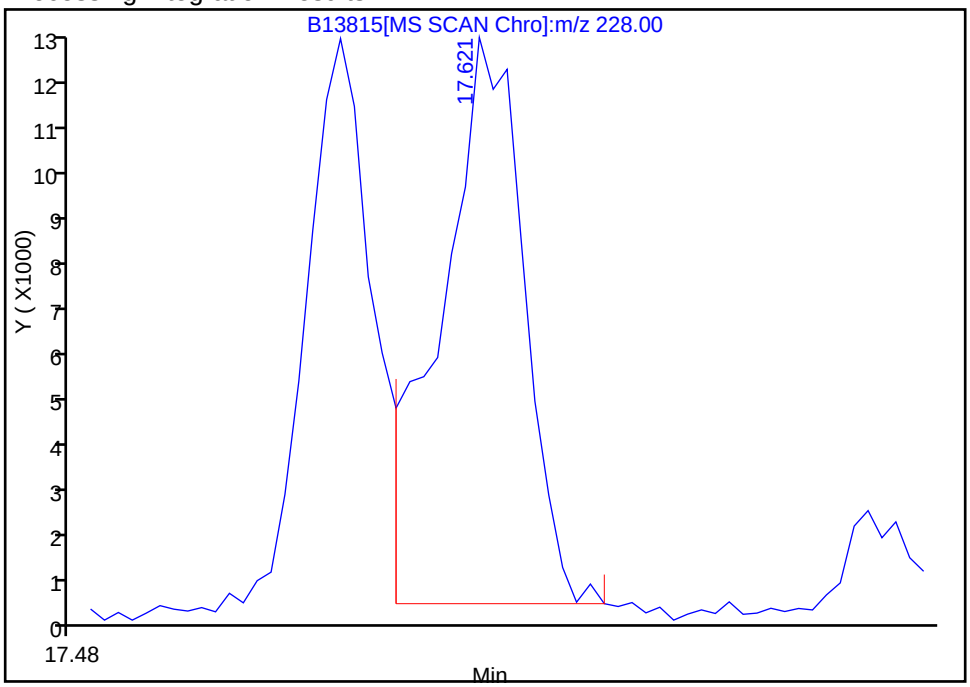
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D		
Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.57

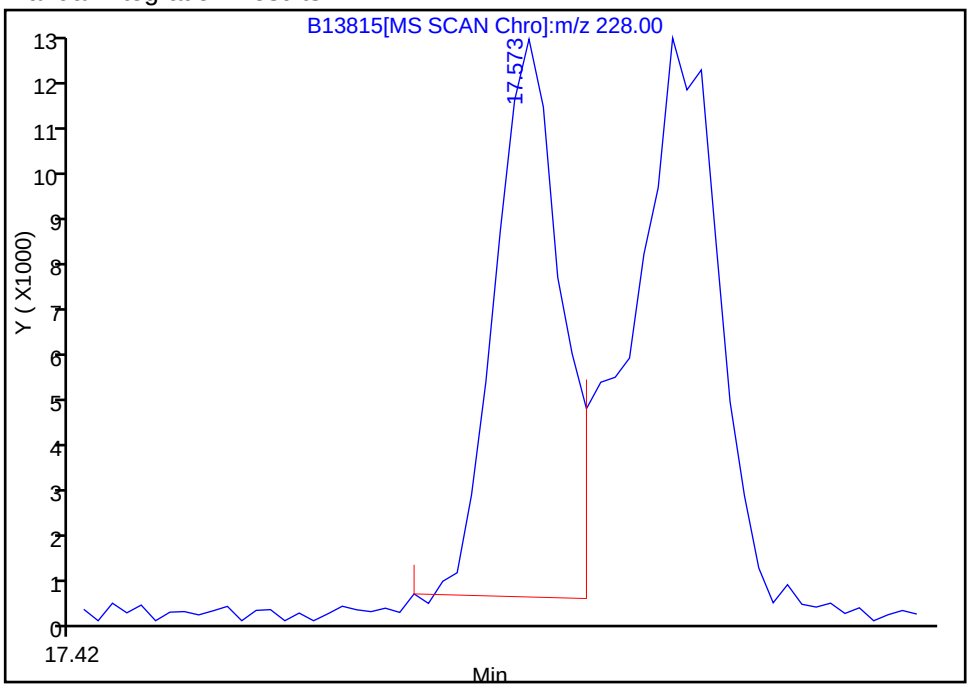
Processing Integration Results

RT: 17.62
Response: 24179
Amount: 0.480221



Manual Integration Results

RT: 17.57
Response: 18142
Amount: 0.364222



Reviewer: testerc, 23-Dec-2010 07:47:26
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 23-Dec-2010 07:47:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

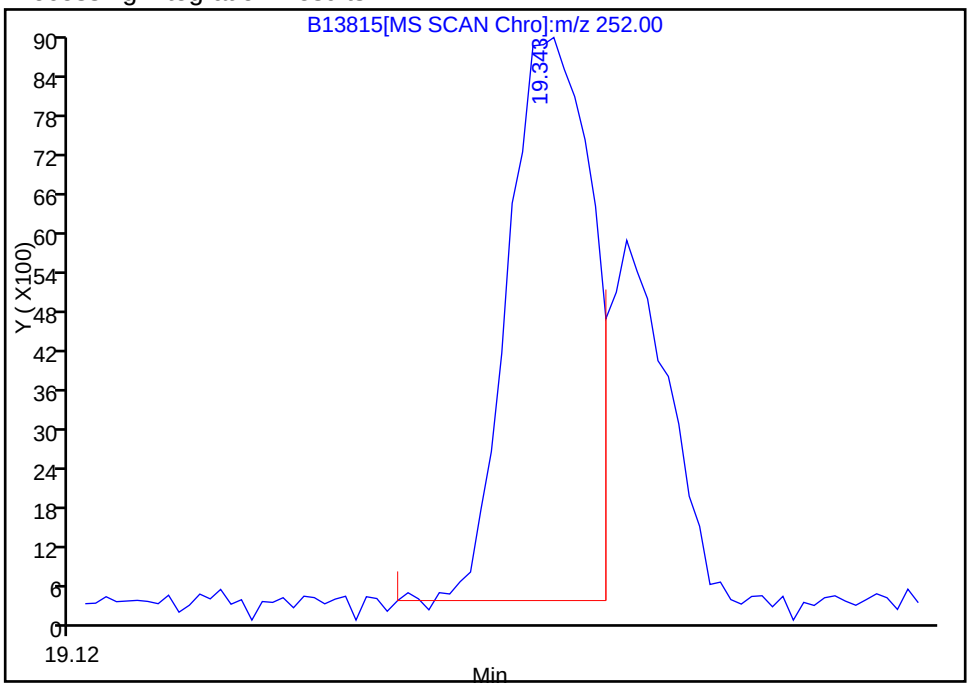
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D		
Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.38

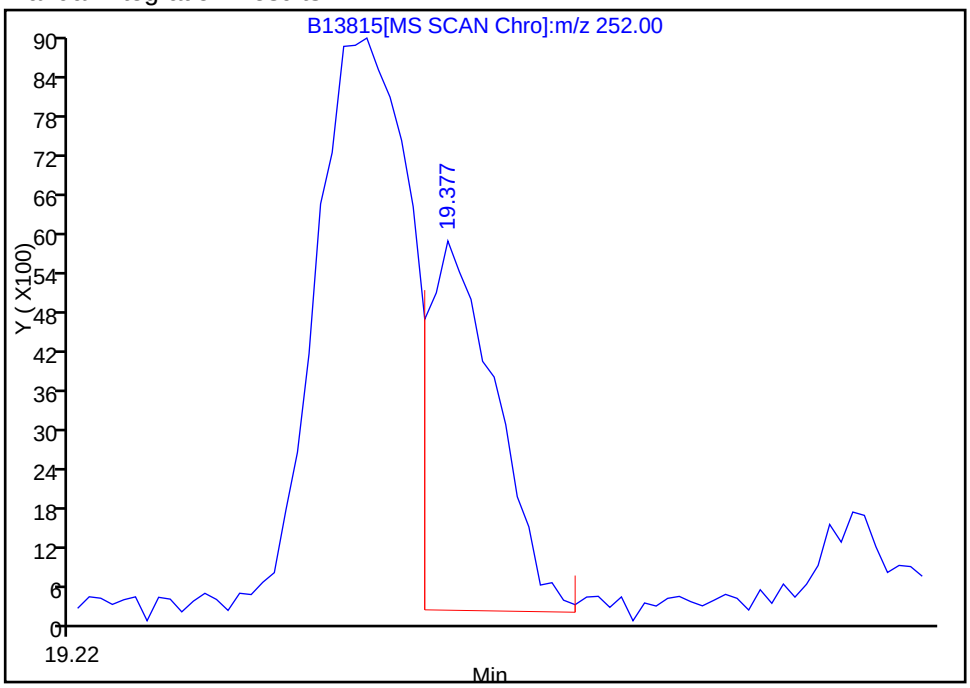
Processing Integration Results

RT: 19.34
Response: 23184
Amount: 0.528119



Manual Integration Results

RT: 19.38
Response: 11373
Amount: 0.259071

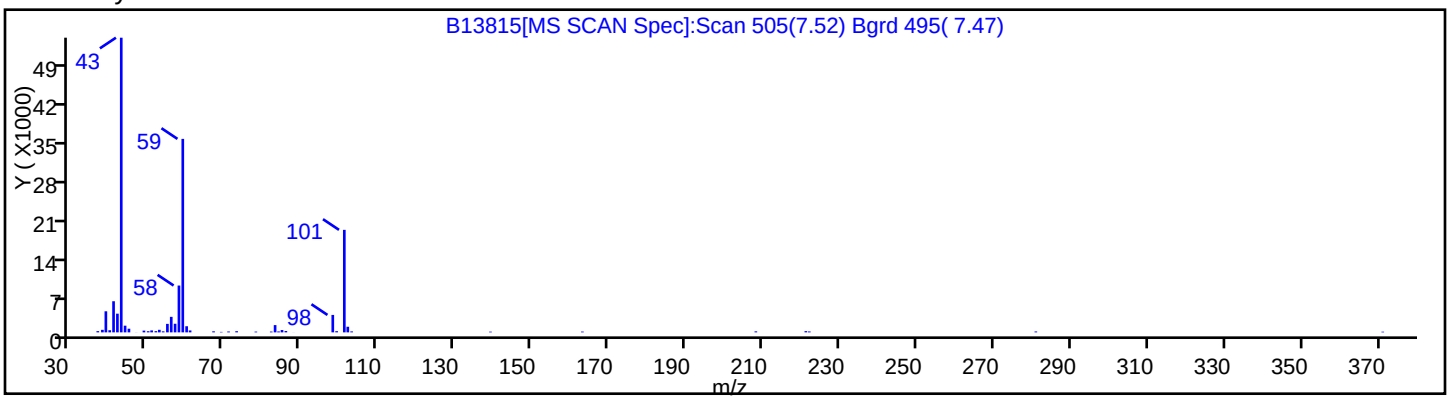


Reviewer: testerc, 23-Dec-2010 07:47:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D		
Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

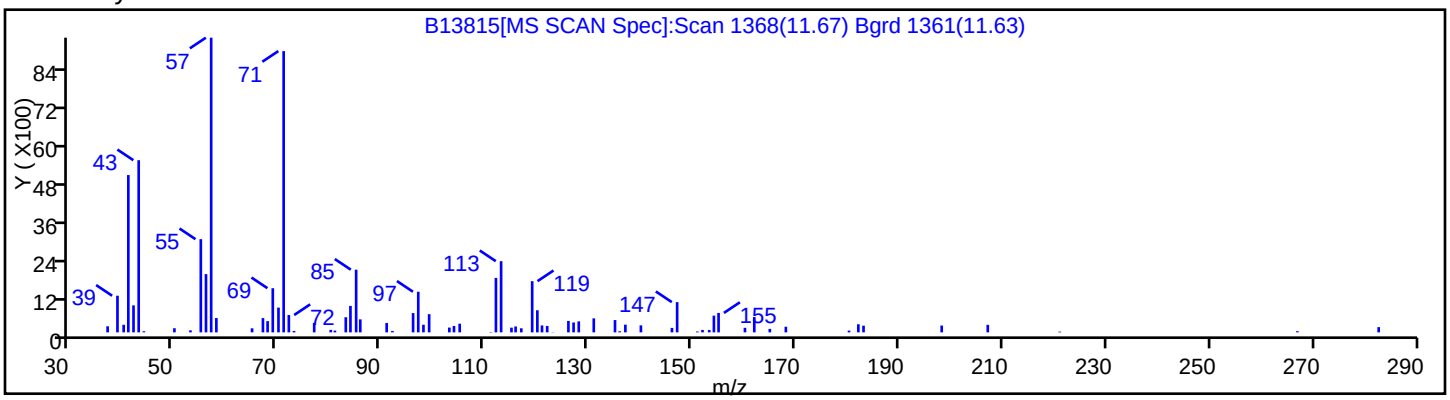


Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

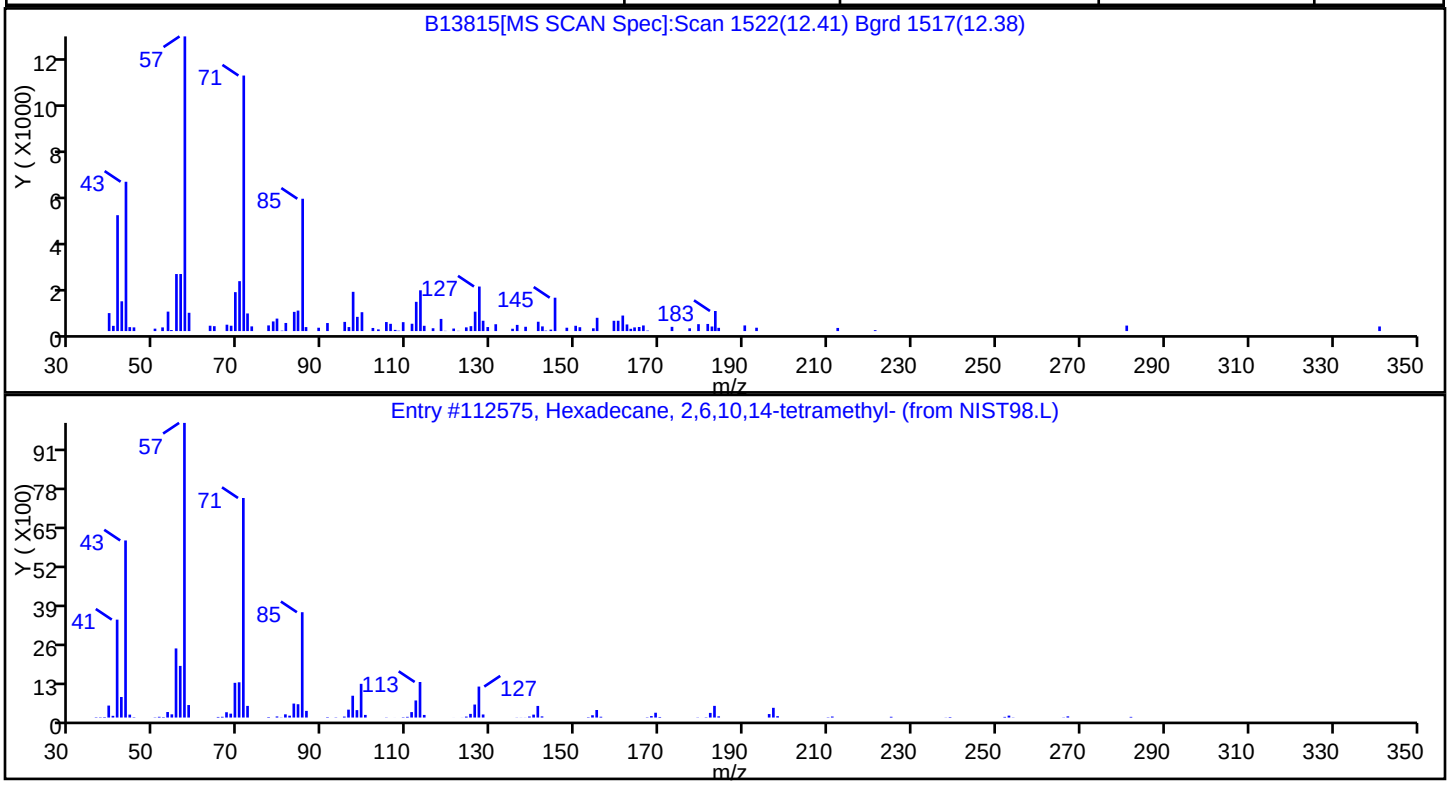
Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D
Injection Date: 22-Dec-2010 12:42:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 19
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.L	112575	91

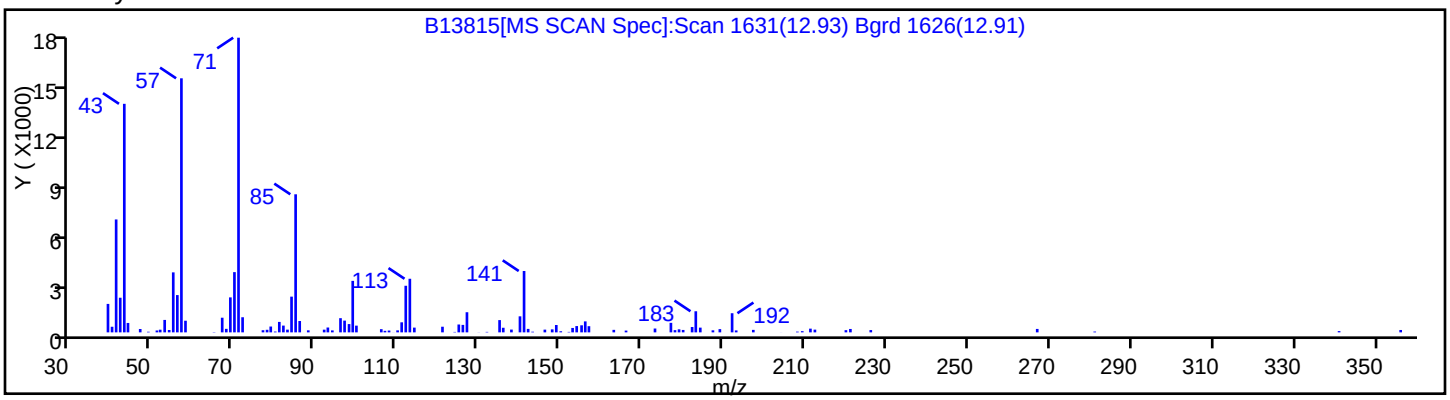


Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D

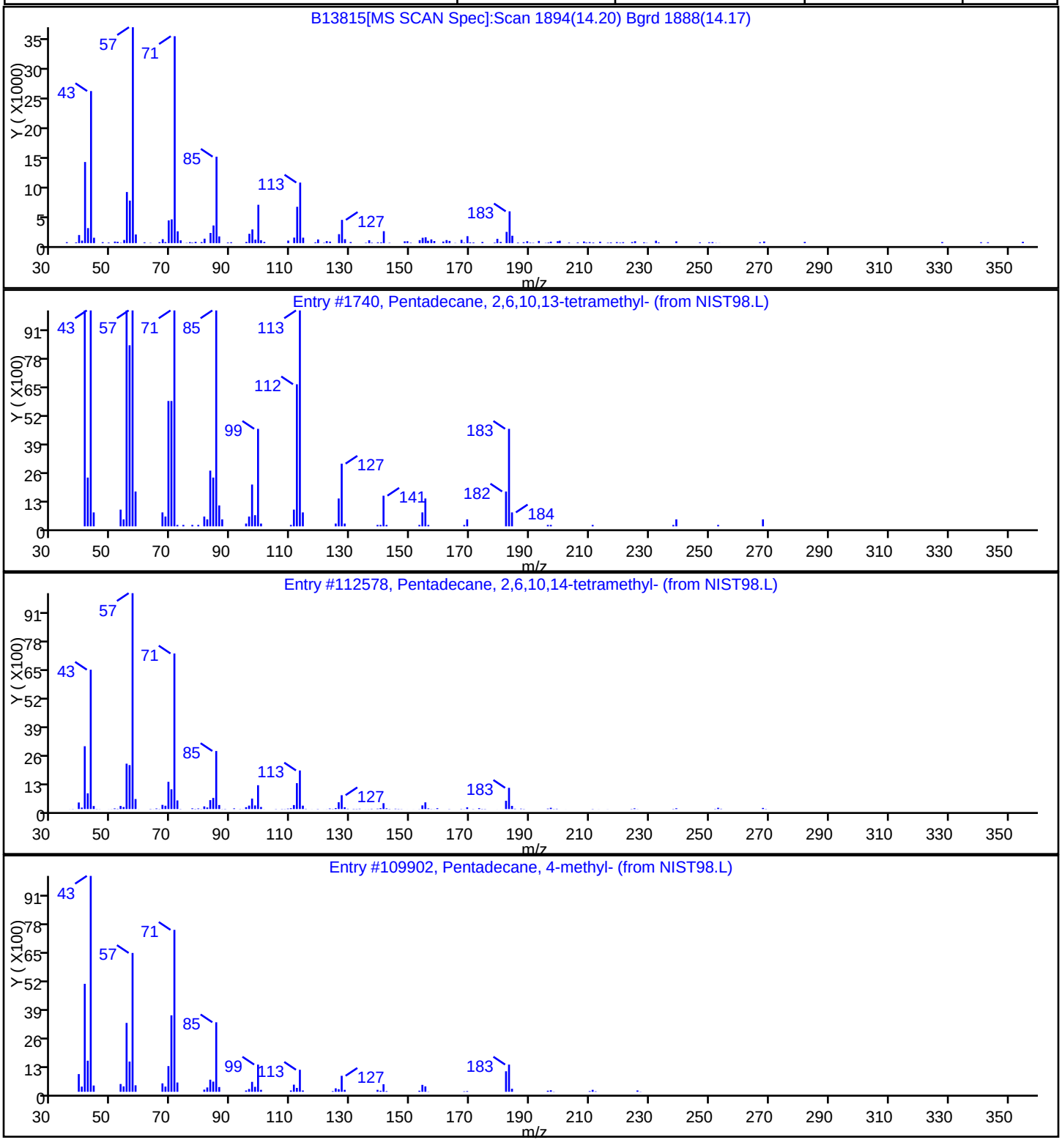
Injection Date:	22-Dec-2010 12:42:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-LB-3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 07:47:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13815.D
Injection Date: 22-Dec-2010 12:42:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-LB-3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 19
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentadecane, 2,6,10,13-tetramethyl-	17081-50-4	NIST98.L	1740	94
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NIST98.L	112578	93
Pentadecane, 4-methyl-	2801-87-8	NIST98.L	109902	86



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID:

Analysis Method: 8270D | Date Collected: 12/09/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.20(g) | Date Analyzed: 01/06/2011 12:26

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

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

% Moisture: 42.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68210 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-30-6	N-Nitrosodiphenylamine	65		58	17
122-39-4	Diphenylamine	ND		58	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: B13800.D

Analysis Method: 8270D | Date Collected: 12/09/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.20(g) | Date Analyzed: 12/21/2010 05:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		290	87
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		290	87
120-82-1	1,2,4-Trichlorobenzene	ND		290	87
95-50-1	1,2-Dichlorobenzene	ND		290	87
541-73-1	1,3-Dichlorobenzene	ND		290	87
106-46-7	1,4-Dichlorobenzene	ND		290	87
90-12-0	1-Methylnaphthalene	ND		290	87
62-75-9	N-Nitrosodimethylamine	ND		290	100
108-60-1	2,2'-oxybis[1-chloropropane]	ND		290	87
58-90-2	2,3,4,6-Tetrachlorophenol	ND		290	87
95-95-4	2,4,5-Trichlorophenol	ND		290	87
88-06-2	2,4,6-Trichlorophenol	ND		290	87
120-83-2	2,4-Dichlorophenol	ND		290	87
105-67-9	2,4-Dimethylphenol	ND		290	110
51-28-5	2,4-Dinitrophenol	ND		290	87
121-14-2	2,4-Dinitrotoluene	ND		290	87
606-20-2	2,6-Dinitrotoluene	ND		290	87
91-58-7	2-Chloronaphthalene	ND		290	87
95-57-8	2-Chlorophenol	ND		290	87
91-57-6	2-Methylnaphthalene	ND		290	87
95-48-7	2-Methylphenol	ND		290	170
88-74-4	2-Nitroaniline	ND		1400	87
88-75-5	2-Nitrophenol	ND		290	87
15831-10-4	3 & 4 Methylphenol	ND		290	87
91-94-1	3,3'-Dichlorobenzidine	ND		580	87
99-09-2	3-Nitroaniline	ND		1400	87
534-52-1	4,6-Dinitro-2-methylphenol	ND		1400	87
101-55-3	4-Bromophenyl phenyl ether	ND		290	87
59-50-7	4-Chloro-3-methylphenol	ND		580	87
106-47-8	4-Chloroaniline	ND		580	87
7005-72-3	4-Chlorophenyl phenyl ether	ND		290	87
100-01-6	4-Nitroaniline	ND		1400	87
100-02-7	4-Nitrophenol	ND		1400	87
83-32-9	Acenaphthene	ND		290	87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: B13800.D

Analysis Method: 8270D | Date Collected: 12/09/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.20(g) | Date Analyzed: 12/21/2010 05:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		290	87
98-86-2	Acetophenone	ND		290	87
62-53-3	Aniline	ND		290	87
120-12-7	Anthracene	ND		290	87
1912-24-9	Atrazine	ND		290	87
103-33-3	Azobenzene	ND		290	87
100-52-7	Benzaldehyde	ND		290	87
56-55-3	Benzo[a]anthracene	ND		290	87
50-32-8	Benzo[a]pyrene	ND	E	290	87
205-99-2	Benzo[b]fluoranthene	ND		290	87
191-24-2	Benzo[g,h,i]perylene	ND		290	87
207-08-9	Benzo[k]fluoranthene	ND		290	87
65-85-0	Benzoic acid	ND		1400	130
119-61-9	Benzophenone	ND		290	87
100-51-6	Benzyl alcohol	ND		580	250
111-91-1	Bis(2-chloroethoxy)methane	ND		290	87
111-44-4	Bis(2-chloroethyl)ether	ND		290	87
85-68-7	Butyl benzyl phthalate	ND		290	87
105-60-2	Caprolactam	ND		290	87
86-74-8	Carbazole	ND		290	87
218-01-9	Chrysene	ND		290	87
53-70-3	Dibenz(a,h)anthracene	ND		290	87
132-64-9	Dibenzofuran	ND		290	87
84-66-2	Diethyl phthalate	ND		290	87
131-11-3	Dimethyl phthalate	ND		290	87
84-74-2	Di-n-butyl phthalate	ND		290	250
117-84-0	Di-n-octyl phthalate	150	J	290	150
206-44-0	Fluoranthene	ND		290	87
86-73-7	Fluorene	ND		290	87
118-74-1	Hexachlorobenzene	ND		290	87
87-68-3	Hexachlorobutadiene	ND		290	87
77-47-4	Hexachlorocyclopentadiene	ND		580	87
67-72-1	Hexachloroethane	ND		290	87
193-39-5	Indeno[1,2,3-cd]pyrene	ND		290	87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: B13800.D

Analysis Method: 8270D | Date Collected: 12/09/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.20(g) | Date Analyzed: 12/21/2010 05:39

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		290	87
91-20-3	Naphthalene	ND		700	87
98-95-3	Nitrobenzene	ND		290	87
621-64-7	N-Nitrosodi-n-propylamine	ND		290	87
87-86-5	Pentachlorophenol	ND		290	87
85-01-8	Phenanthrene	ND		350	87
108-95-2	Phenol	ND		290	87
101-84-8	Diphenyl oxide	220	J	290	87
129-00-0	Pyrene	ND		290	87
62-75-9	N-Nitrosodimethylamine	ND		290	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	46		30-130
4165-62-2	Phenol-d5	55		30-130
4165-60-0	Nitrobenzene-d5	57		30-130
118-79-6	2,4,6-Tribromophenol	75		30-130
1718-51-0	Terphenyl-d14	49		30-130
321-60-8	2-Fluorobiphenyl	52		30-130
118-79-6	2,4,6-Tribromophenol	75		30-130
321-60-8	2-Fluorobiphenyl	52		30-130
367-12-4	2-Fluorophenol	46		30-130
4165-60-0	Nitrobenzene-d5	57		30-130
4165-62-2	Phenol-d5	55		30-130
1718-51-0	Terphenyl-d14	49		30-130

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: B13800.D

Analysis Method: 8270D Date Collected: 12/09/2010 13:15

Extract. Method: 3546 Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.20(g) Date Analyzed: 12/21/2010 05:39

Con. Extract Vol.: 1.0(mL) Dilution Factor: 5

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: 42.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13800.D
Lims ID: 360-31465-A-5-D
Client ID: OC-SD-SD-1-XXX
Inject. Date: 21-Dec-2010 05:39:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 360-31464-A-5-D 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. B
Vol. Injected: 2.0000
ALS Bottle#: 27
Lims Batch ID: 67459
Lims Sample ID: 25
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 15:02:47
Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 21-Dec-2010 15:21:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.681	9.676	0.005	90	80187	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	317841	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	92	199511	4.00	
* 4 Phenanthrene-d10	188	14.947	14.946	0.001	95	350775	4.00	
* 5 Chrysene-d12	240	17.707	17.692	0.015	97	286304	4.00	
* 6 Perylene-d12	264	20.376	20.347	0.030	96	147459	4.00	
$ 7 2-Fluorophenol	112	8.012	8.002	0.010	85	19616	0.9247	
$ 8 Phenol-d5	99	9.142	9.137	0.005	86	19817	1.11	
$ 9 Nitrobenzene-d5	82	10.369	10.368	0.001	82	9397	0.5705	
$ 10 2-Fluorobiphenyl	172	12.600	12.600	0.0	99	27258	0.5152	
$ 11 2,4,6-Tribromophenol	330	14.254	14.244	0.010	75	6051	1.51	
$ 12 Terphenyl-d14	244	16.384	16.379	0.005	95	21200	0.4852	
19 Aniline	93	9.258	9.253	0.005	98	3935	0.2123	
52 1,1'-Biphenyl	154	12.730	12.725	0.005	92	12292	0.2313	
54 Phenyl ether	170	12.840	12.840	0.0	88	19844	0.7566	
72 N-Nitrosodiphenylamine	169	14.076	14.076	0.0	51	46571	1.33	
71 Diphenylamine	169	14.076	14.076	0.0	0	46571	1.14	
82 DFTPP	198	15.009	15.076	-0.067	0	2692	0	
92 Bis(2-ethylhexyl) phthalate	149	17.433	17.413	0.020	93	20618454	429.4	5
95 Di-n-octyl phthalate	149	18.356	18.351	0.005	78	32795	0.5060	
97 Benzo[b]fluoranthene	252	19.510	19.486	0.024	57	6499	0.1701	
98 Benzo[k]fluoranthene	252	19.510	19.539	-0.029	55	8981	0.2432	
99 Benzo[a]pyrene	252	20.217	20.217	0.0	1	1825463	59.2	5A

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13800.D		
Lims ID:	360-31465-A-5-D	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	21-Dec-2010 05:39:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	360-31464-A-5-D 5X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	27
Lims Batch ID:	67459	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 15:02:47	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 15:21:07

Calibrated Tentative Identified Compound Results

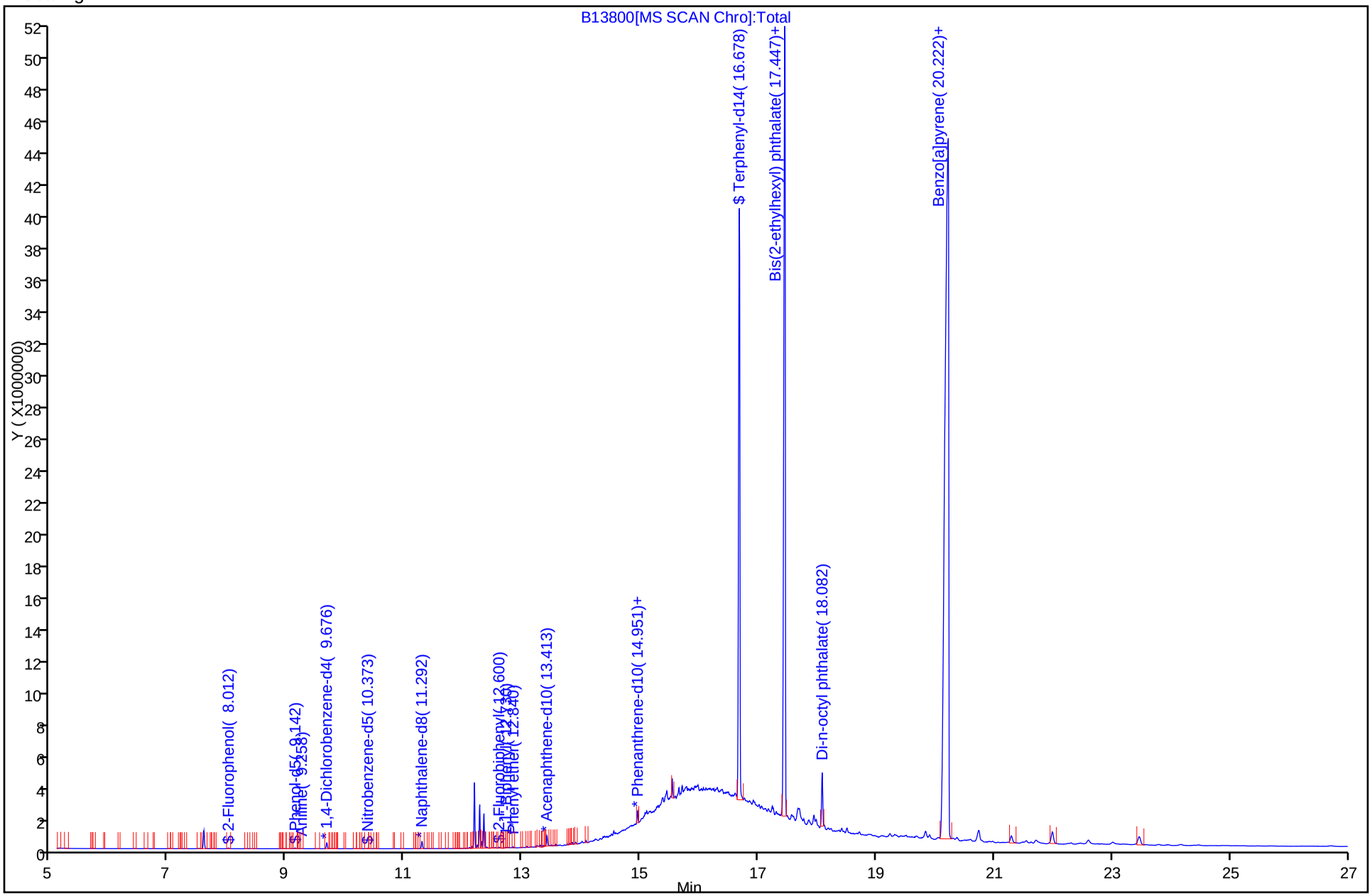
Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	14.076	5371	0.0980	

Report Date: 21-Dec-2010 15:21:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13800.D

Injection Date:	21-Dec-2010 05:39:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	25
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

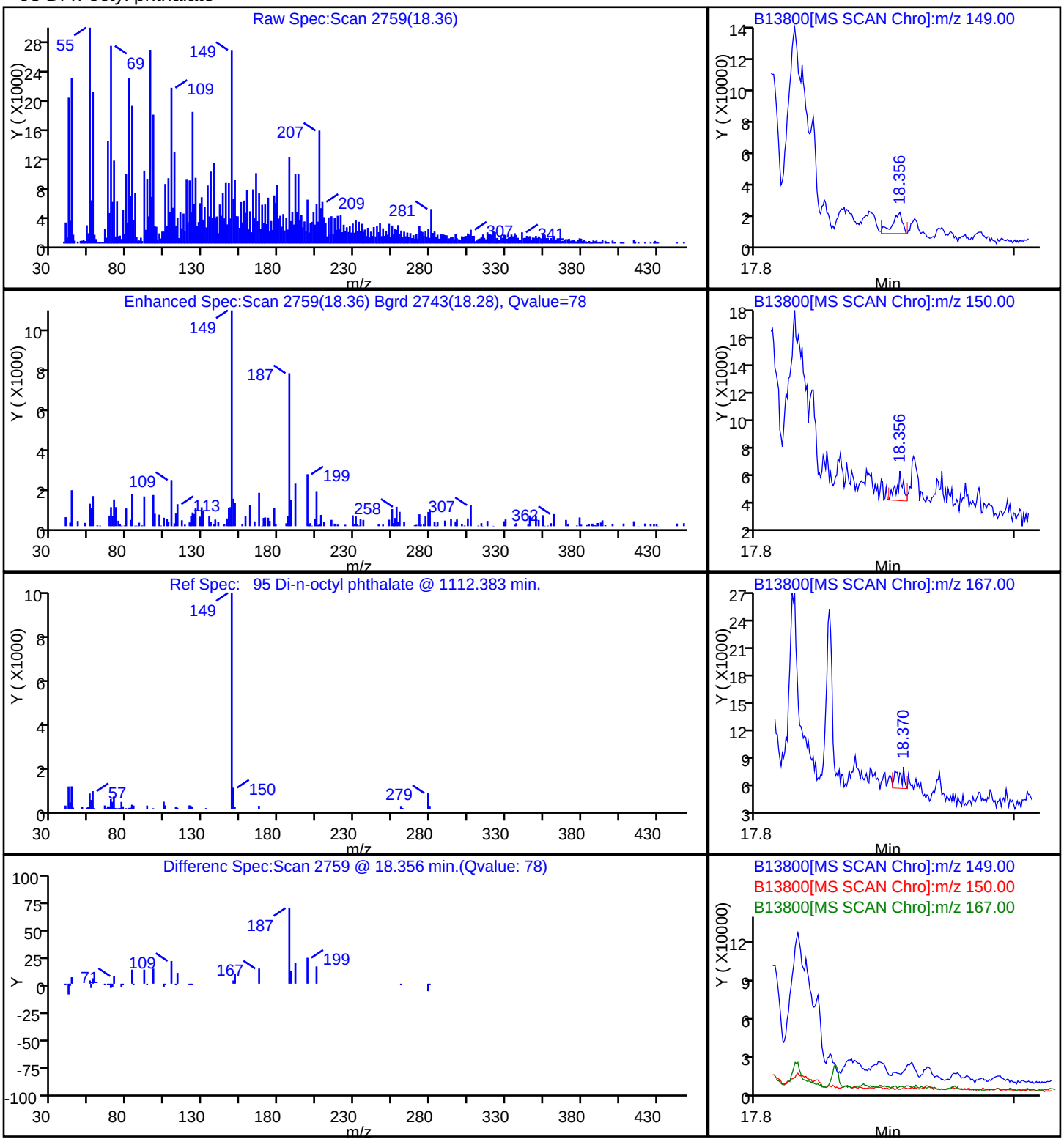


Report Date: 21-Dec-2010 15:21:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13800.D

Injection Date:	21-Dec-2010 05:39:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	25
Operator ID:	CT	Injection Vol:	2.00 ul

95 Di-n-octyl phthalate

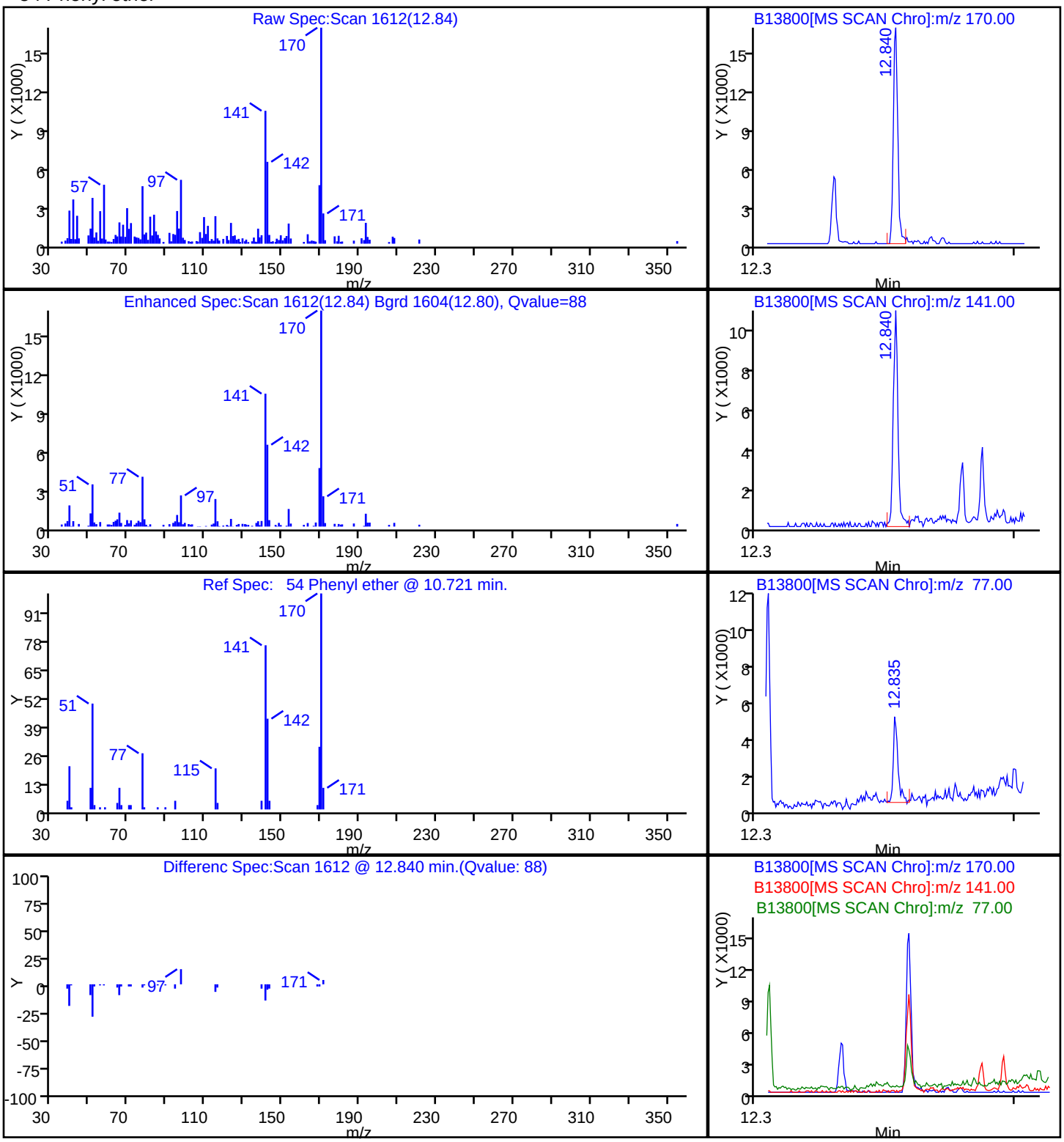


Report Date: 21-Dec-2010 15:21:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13800.D

Injection Date:	21-Dec-2010 05:39:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	25
Operator ID:	CT	Injection Vol:	2.00 ul

54 Phenyl ether



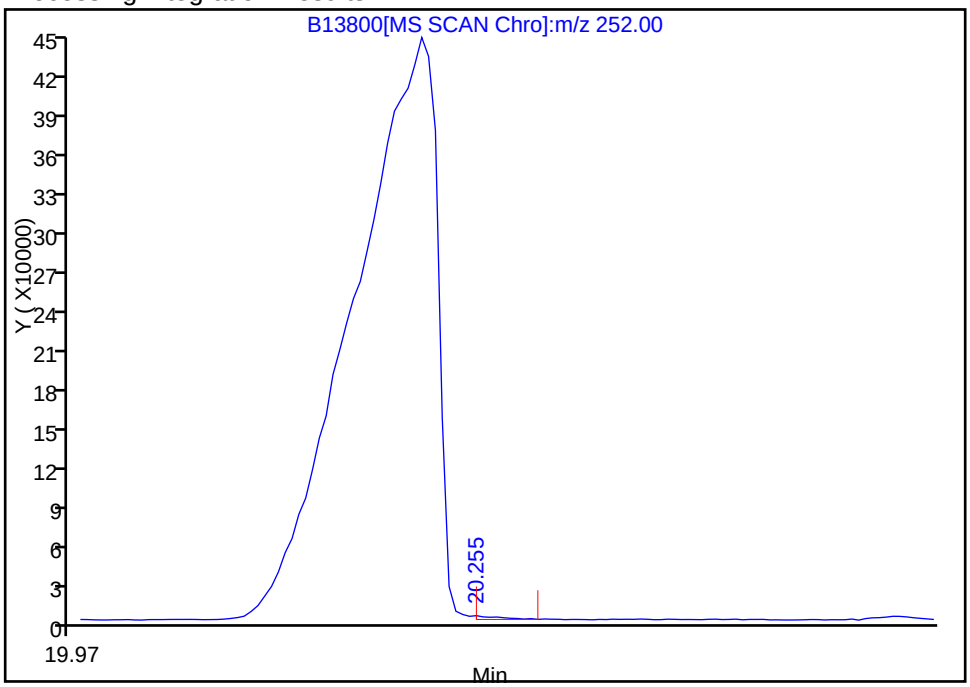
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13800.D		
Injection Date:	21-Dec-2010 05:39:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	25
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 20.22

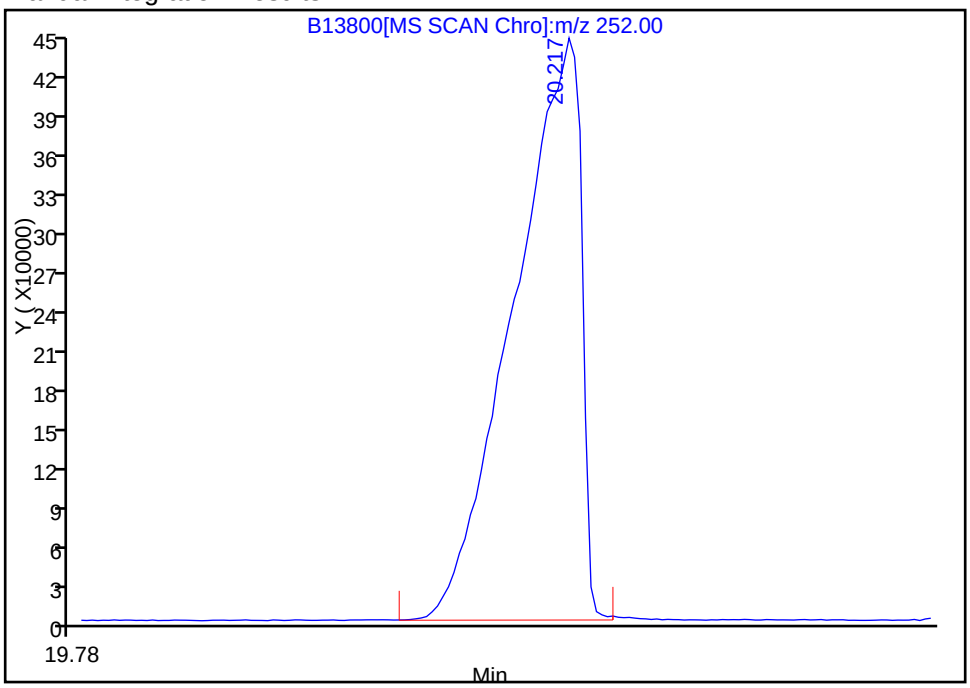
Processing Integration Results

RT: 20.26
Response: 3536
Amount: 0.114744



Manual Integration Results

RT: 20.22
Response: 1825463
Amount: 59.236908



Reviewer: testerc, 21-Dec-2010 15:21:07
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX DL | Lab Sample ID: 360-31465-5 DL

Matrix: Solid | Lab File ID: B13817.D

Analysis Method: 8270D | Date Collected: 12/09/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.20(g) | Date Analyzed: 12/22/2010 13:53

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 250

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	210000		14000	4300

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13817.D		
Lims ID:	360-31465-A-5-D	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	22-Dec-2010 13:53:30	Dil. Factor:	250.0000
Sample Type:	Client		
Sample ID:	31465-A-5-D RR 250X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	67515	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:55:26

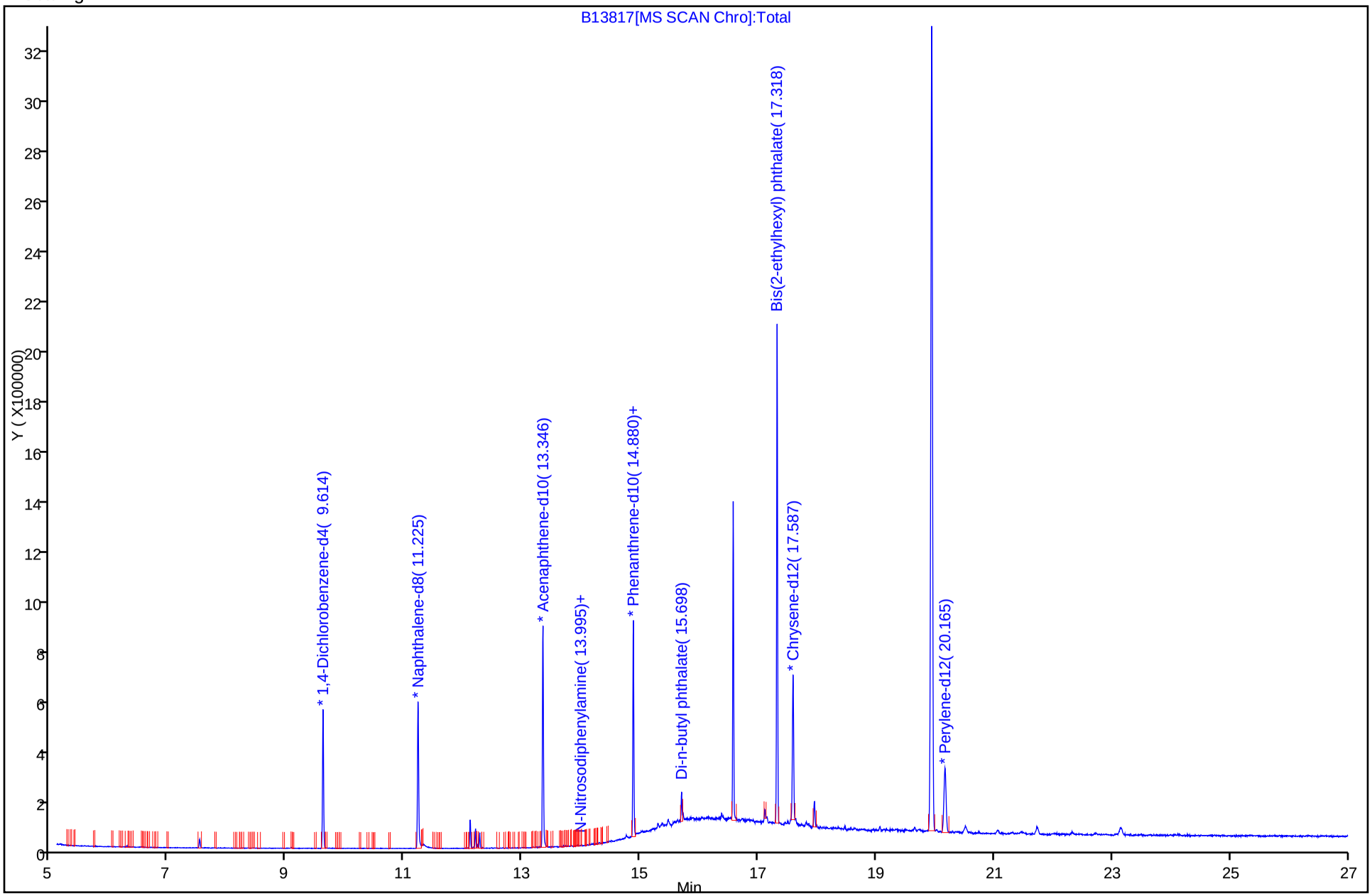
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.614	9.613	0.001	92	130647	4.00	
* 2 Naphthalene-d8	136	11.225	11.224	0.001	99	442079	4.00	
* 3 Acenaphthene-d10	164	13.346	13.345	0.001	93	278219	4.00	
* 4 Phenanthrene-d10	188	14.880	14.879	0.001	96	432529	4.00	
* 5 Chrysene-d12	240	17.587	17.586	0.001	97	334113	4.00	
* 6 Perylene-d12	264	20.165	20.159	0.006	95	222500	4.00	
71 Diphenylamine	169	14.005	14.004	0.001	0	1063	0.0211	
72 N-Nitrosodiphenylamine	169	14.005	14.004	0.001	1	1063	0.0246	
82 DFTPP	198	15.212	15.007	0.205	0	306	0	
84 Di-n-butyl phthalate	149	15.298	15.297	0.001	99	6128	0.0567	
92 Bis(2-ethylhexyl) phthalate	149	17.318	17.317	0.001	91	814504	14.5	

Report Date: 23-Dec-2010 07:55:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13817.D

Injection Date:	22-Dec-2010 13:53:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

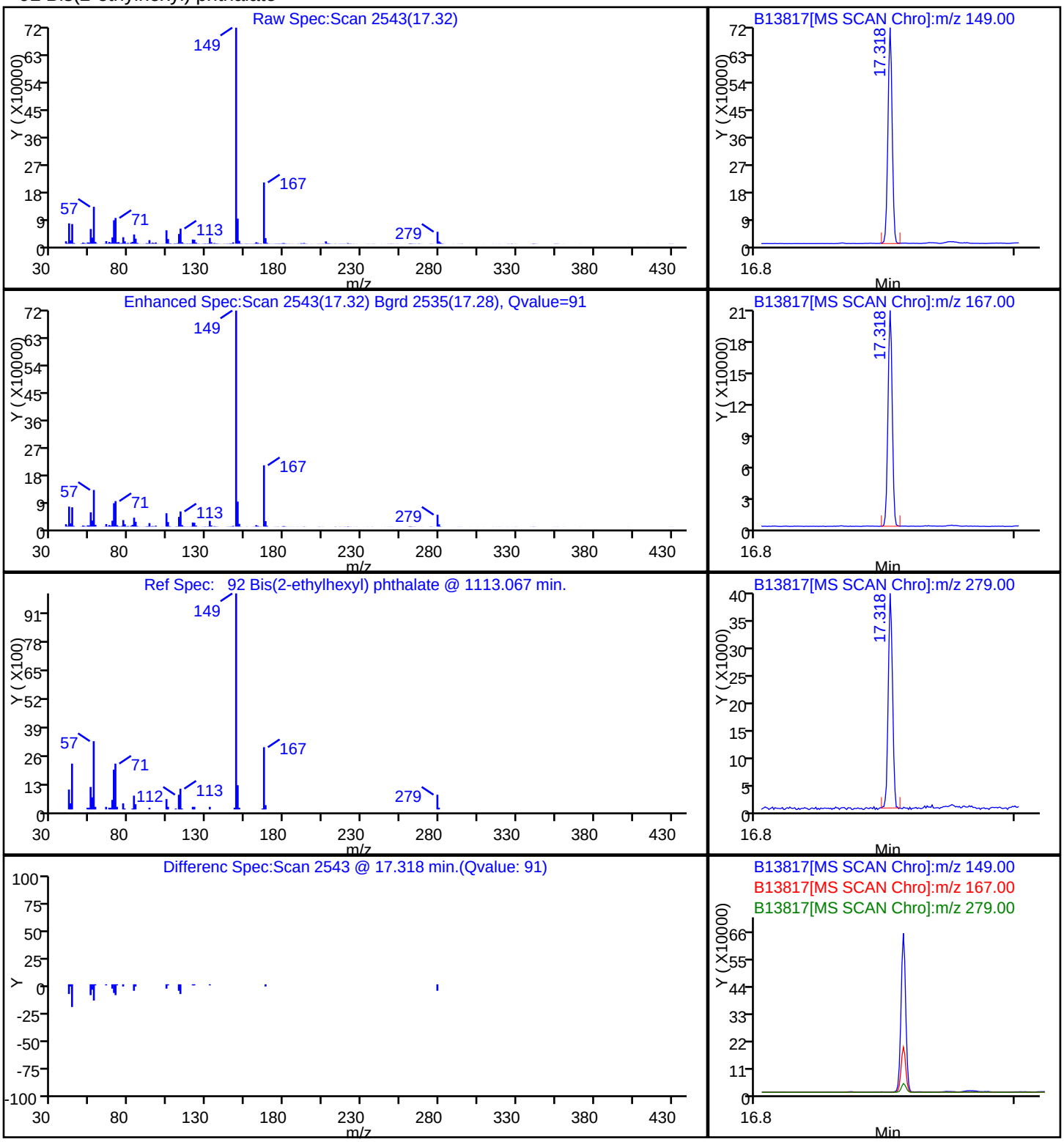


Report Date: 23-Dec-2010 07:55:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13817.D

Injection Date:	22-Dec-2010 13:53:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	21
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: B13818.D

Analysis Method: 8270D | Date Collected: 12/09/2010 15:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.15(g) | Date Analyzed: 12/22/2010 14:29

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 24.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		220	66
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		220	66
120-82-1	1,2,4-Trichlorobenzene	ND		220	66
95-50-1	1,2-Dichlorobenzene	ND		220	66
541-73-1	1,3-Dichlorobenzene	ND		220	66
106-46-7	1,4-Dichlorobenzene	ND		220	66
90-12-0	1-Methylnaphthalene	ND		220	66
62-75-9	N-Nitrosodimethylamine	ND		220	78
108-60-1	2,2'-oxybis[1-chloropropane]	ND		220	66
58-90-2	2,3,4,6-Tetrachlorophenol	ND		220	66
95-95-4	2,4,5-Trichlorophenol	ND		220	66
88-06-2	2,4,6-Trichlorophenol	ND		220	66
120-83-2	2,4-Dichlorophenol	ND		220	66
105-67-9	2,4-Dimethylphenol	ND		220	87
51-28-5	2,4-Dinitrophenol	ND		220	66
121-14-2	2,4-Dinitrotoluene	ND		220	66
606-20-2	2,6-Dinitrotoluene	ND		220	66
91-58-7	2-Chloronaphthalene	ND		220	66
95-57-8	2-Chlorophenol	ND		220	66
91-57-6	2-Methylnaphthalene	ND		220	66
95-48-7	2-Methylphenol	ND		220	130
88-74-4	2-Nitroaniline	ND		1100	66
88-75-5	2-Nitrophenol	ND		220	66
15831-10-4	3 & 4 Methylphenol	3000		220	66
91-94-1	3,3'-Dichlorobenzidine	ND		440	66
99-09-2	3-Nitroaniline	ND		1100	66
534-52-1	4,6-Dinitro-2-methylphenol	ND		1100	66
101-55-3	4-Bromophenyl phenyl ether	ND		220	66
59-50-7	4-Chloro-3-methylphenol	ND		440	66
106-47-8	4-Chloroaniline	ND		440	66
7005-72-3	4-Chlorophenyl phenyl ether	ND		220	66
100-01-6	4-Nitroaniline	ND		1100	66
100-02-7	4-Nitrophenol	ND		1100	66
83-32-9	Acenaphthene	ND		220	66

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: B13818.D

Analysis Method: 8270D | Date Collected: 12/09/2010 15:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.15(g) | Date Analyzed: 12/22/2010 14:29

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 24.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		220	66
98-86-2	Acetophenone	ND		220	66
62-53-3	Aniline	ND		220	66
120-12-7	Anthracene	ND		220	66
1912-24-9	Atrazine	ND		220	66
103-33-3	Azobenzene	ND		220	66
100-52-7	Benzaldehyde	620		220	66
56-55-3	Benzo[a]anthracene	120	J	220	66
50-32-8	Benzo[a]pyrene	130	J	220	66
205-99-2	Benzo[b]fluoranthene	160	J	220	66
191-24-2	Benzo[g,h,i]perylene	96	J	220	66
207-08-9	Benzo[k]fluoranthene	87	J	220	66
65-85-0	Benzoic acid	220	J	1100	99
119-61-9	Benzophenone	ND		220	66
100-51-6	Benzyl alcohol	ND		440	190
111-91-1	Bis(2-chloroethoxy)methane	ND		220	66
111-44-4	Bis(2-chloroethyl)ether	ND		220	66
117-81-7	Bis(2-ethylhexyl) phthalate	270		220	66
85-68-7	Butyl benzyl phthalate	ND		220	66
105-60-2	Caprolactam	ND		220	66
86-74-8	Carbazole	ND		220	66
218-01-9	Chrysene	140	J	220	66
53-70-3	Dibenz(a,h)anthracene	ND		220	66
132-64-9	Dibenzofuran	ND		220	66
84-66-2	Diethyl phthalate	ND		220	66
131-11-3	Dimethyl phthalate	ND		220	66
84-74-2	Di-n-butyl phthalate	ND		220	190
117-84-0	Di-n-octyl phthalate	ND		220	110
206-44-0	Fluoranthene	300		220	66
86-73-7	Fluorene	ND		220	66
118-74-1	Hexachlorobenzene	ND		220	66
87-68-3	Hexachlorobutadiene	ND		220	66
77-47-4	Hexachlorocyclopentadiene	ND		440	66
67-72-1	Hexachloroethane	ND		220	66

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: B13818.D

Analysis Method: 8270D | Date Collected: 12/09/2010 15:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.15(g) | Date Analyzed: 12/22/2010 14:29

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 24.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	87	J	220	66
78-59-1	Isophorone	ND		220	66
91-20-3	Naphthalene	ND		530	66
98-95-3	Nitrobenzene	ND		220	66
621-64-7	N-Nitrosodi-n-propylamine	ND		220	66
86-30-6	N-Nitrosodiphenylamine	ND		220	66
87-86-5	Pentachlorophenol	ND		220	66
85-01-8	Phenanthrene	160	J	270	66
108-95-2	Phenol	920		220	66
101-84-8	Diphenyl oxide	ND		220	66
129-00-0	Pyrene	250		220	66
62-75-9	N-Nitrosodimethylamine	ND		220	78
122-39-4	Diphenylamine	ND		220	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	59		30-130
4165-62-2	Phenol-d5	65		30-130
4165-60-0	Nitrobenzene-d5	52		30-130
118-79-6	2,4,6-Tribromophenol	78		30-130
1718-51-0	Terphenyl-d14	41		30-130
321-60-8	2-Fluorobiphenyl	46		30-130
118-79-6	2,4,6-Tribromophenol	78		30-130
321-60-8	2-Fluorobiphenyl	46		30-130
367-12-4	2-Fluorophenol	59		30-130
4165-60-0	Nitrobenzene-d5	52		30-130
4165-62-2	Phenol-d5	65		30-130
1718-51-0	Terphenyl-d14	41		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: B13818.D

Analysis Method: 8270D | Date Collected: 12/09/2010 15:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.15(g) | Date Analyzed: 12/22/2010 14:29

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 24.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 14270

CAS NO.	COMPOUND NAME	RT	RESULT	Q
108-88-3	Toluene	6.54	300	T J N
	Unknown	7.54	9000	T J
629-94-7	Heneicosane	17.10	860	T J N
	Unknown	17.22	320	T J
629-92-5	Nonadecane	17.51	830	T J N
629-94-7	Heneicosane	17.96	900	T J N
593-45-3	Octadecane	18.47	660	T J N
630-2-4	Octacosane	19.76	530	T J N
	Unknown	19.93	380	T J
629-92-5	Nonadecane	20.58	490	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Lims ID: 360-31465-A-6-C
Client ID: OC-SD-SD-SD3-XXX
Inject. Date: 22-Dec-2010 14:29:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 31465-A-6-C RR 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. B
Vol. Injected: 2.0000
ALS Bottle#: 11
Lims Batch ID: 67515
Lims Sample ID: 22
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m
Last Update: 23-Dec-2010 07:36:41
Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 23-Dec-2010 07:58:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.619	9.613	0.006	90	130576	4.00	
* 2 Naphthalene-d8	136	11.225	11.224	0.001	99	489055	4.00	
* 3 Acenaphthene-d10	164	13.345	13.345	0.0	91	276449	4.00	
* 4 Phenanthrene-d10	188	14.879	14.879	0.0	95	441861	4.00	
* 5 Chrysene-d12	240	17.592	17.586	0.006	97	362090	4.00	
* 6 Perylene-d12	264	20.169	20.159	0.010	95	220509	4.00	
$ 7 2-Fluorophenol	112	7.950	7.940	0.010	84	34483	1.17	
$ 8 Phenol-d5	99	9.085	9.079	0.006	83	37790	1.30	
$ 9 Nitrobenzene-d5	82	10.306	10.301	0.005	79	13264	0.5234	
$ 10 2-Fluorobiphenyl	172	12.533	12.527	0.006	99	33673	0.4593	
$ 11 2,4,6-Tribromophenol	330	14.182	14.177	0.005	87	8010	1.56	
$ 12 Terphenyl-d14	244	16.303	16.302	0.001	98	22809	0.4127	
17 Benzaldehyde	105	9.070	9.070	0.0	46	55209	2.82	
18 Phenol	94	9.099	9.094	0.005	95	117924	4.18	
28 3 & 4 Methylphenol	107	10.042	10.041	0.001	92	358854	13.6	
36 Benzoic acid	105	10.763	10.758	0.005	29	3468	1.01	
41 Naphthalene	128	11.254	11.253	0.001	77	6849	0.0733	
46 2-Methylnaphthalene	142	12.119	12.114	0.005	25	2777	0.0476	
61 Acenaphthene	153	13.379	13.378	0.001	44	4614	0.0733	
64 Dibenzofuran	168	13.562	13.561	0.001	76	3097	0.0417	
69 Fluorene	166	13.932	13.927	0.005	98	4430	0.1343	
80 Phenanthrene	178	14.899	14.898	0.001	83	61626	0.7250	
81 Anthracene	178	14.952	14.952	0.001	43	9105	0.1115	A
82 DFTPP	198	14.923	15.007	-0.084	0	15881	0	
83 Carbazole	167	15.081	15.076	0.005	80	7894	0.1270	
84 Di-n-butyl phthalate	149	15.298	15.297	0.001	98	24660	0.2232	
87 Fluoranthene	202	16.014	16.009	0.005	97	117674	1.37	
85 Pyrene	202	16.245	16.245	0.0	97	97911	1.15	
92 Bis(2-ethylhexyl) phthalate	149	17.318	17.317	0.001	90	75520	1.24	
93 Benzo[a]anthracene	228	17.572	17.567	0.005	53	37332	0.5496	
94 Chrysene	228	17.625	17.625	0.0	74	41405	0.6129	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
97 Benzo[b]fluoranthene	252	19.337	19.327	0.010	98	40160	0.7027	
98 Benzo[k]fluoranthene	252	19.371	19.371	-0.009	99	21826	0.3952	M
99 Benzo[a]pyrene	252	20.049	20.039	0.010	76	26370	0.5722	
101 Dibenz(a,h)anthracene	278	23.074	23.068	0.006	33	5081	0.1706	
100 Indeno[1,2,3-cd]pyrene	276	23.093	23.073	0.020	98	14572	0.3960	
102 Benzo[g,h,i]perylene	276	24.016	23.996	0.020	87	13772	0.4351	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D		
Lims ID:	360-31465-A-6-C	Client ID:	OC-SD-SD-SD3-XXX
Inject. Date:	22-Dec-2010 14:29:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	31465-A-6-C RR 5X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	11
Lims Batch ID:	67515	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:58:45

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	108-88-3 Toluene					
6.541	237120	1.37	1	94	117292	
	Unknown					
7.541	7081853	40.8	1			
	629-94-7 Heneicosane					
17.101	1031676	3.90	5	91	17094	
	Unknown					
17.221	387087	1.46	5			
	629-92-5 Nonadecane					
17.505	992163	3.75	5	97	112381	
	629-94-7 Heneicosane					
17.957	1072564	4.05	5	98	17094	
	593-45-3 Octadecane					
18.467	786742	2.97	5	97	112333	
	630-2-4 Octacosane					
19.756	354326	2.38	6	96	16409	
	Unknown					
19.929	256074	1.72	6			
	629-92-5 Nonadecane					
20.578	332864	2.24	6	95	112576	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.619	693631	4.00
* 5 Chrysene-d12	17.592	1058103	4.00
* 6 Perylene-d12	20.169	594335	4.00

QC Flag Legend

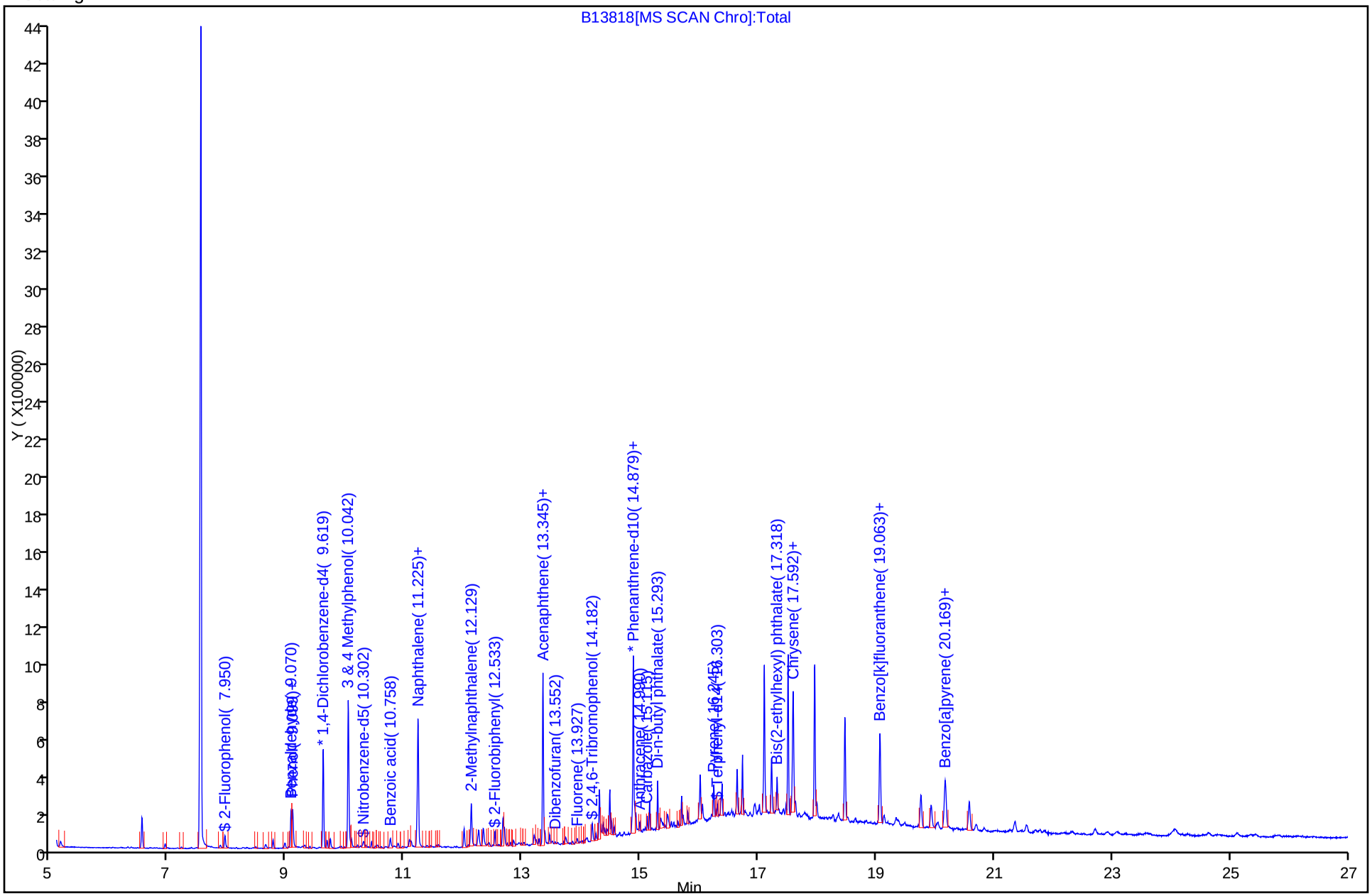
Processing Flags

Report Date: 23-Dec-2010 07:58:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

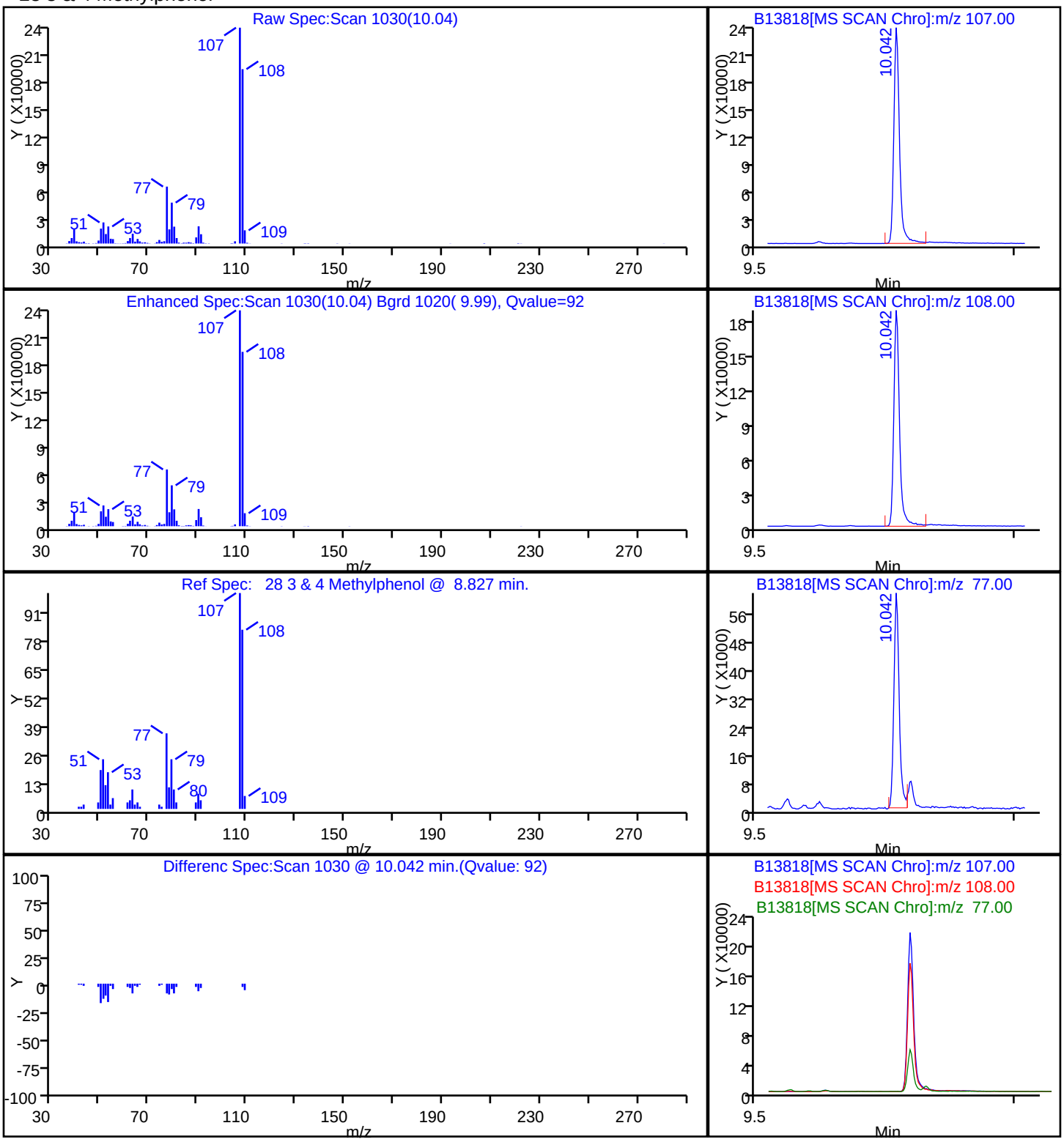


Report Date: 23-Dec-2010 07:58:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

28 3 & 4 Methylphenol

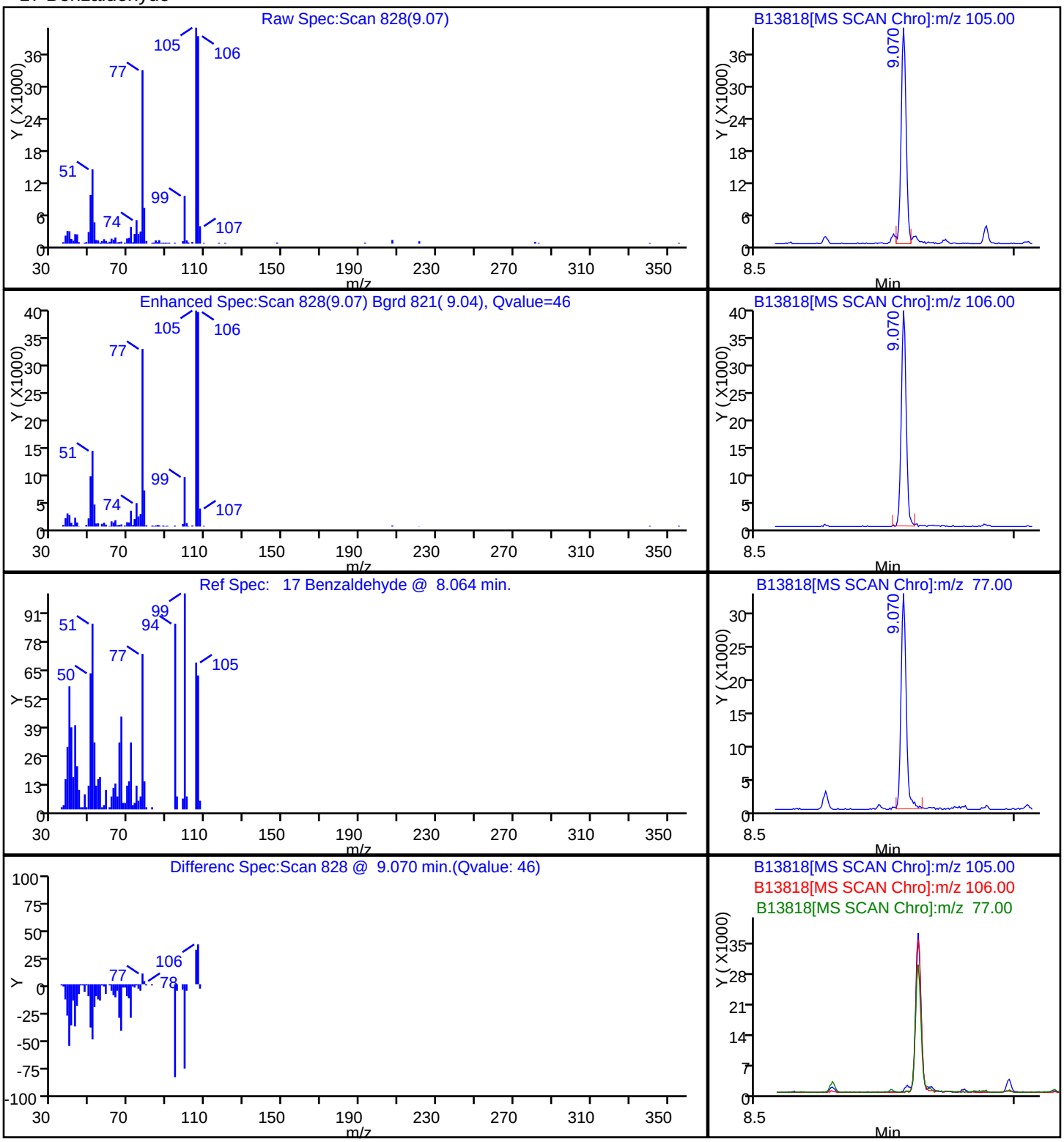


Report Date: 23-Dec-2010 07:58:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

17 Benzaldehyde

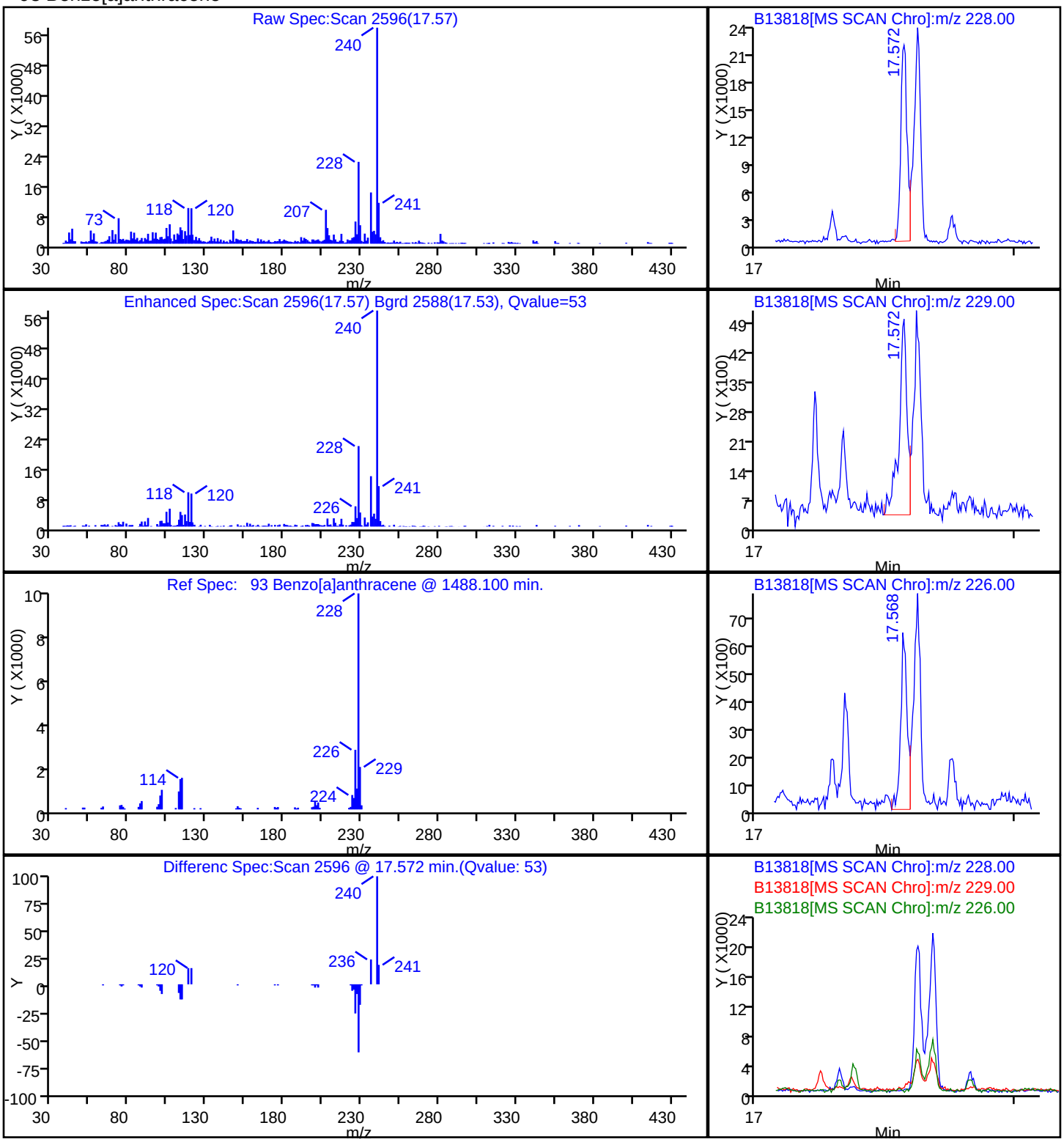


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene

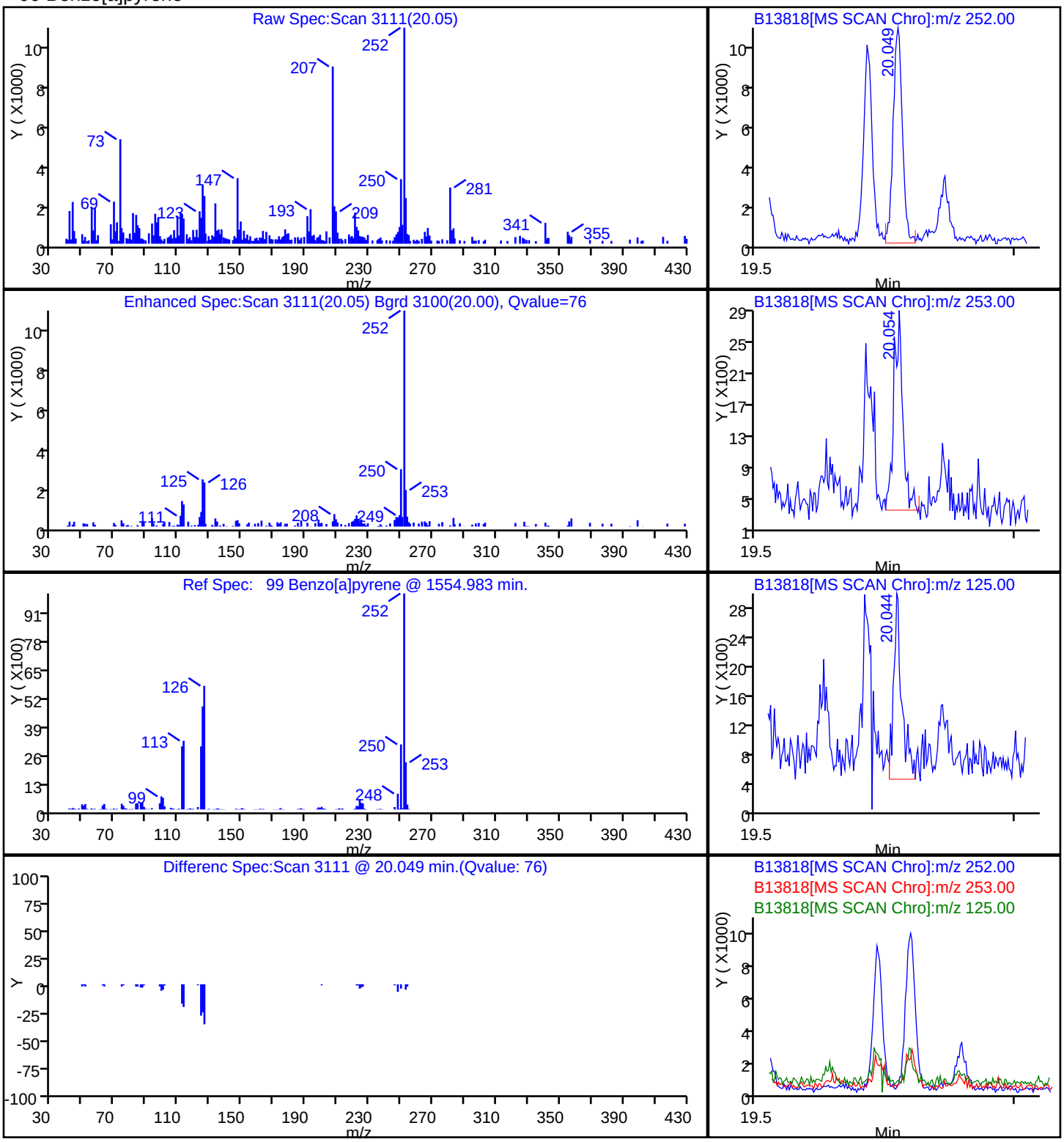


Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

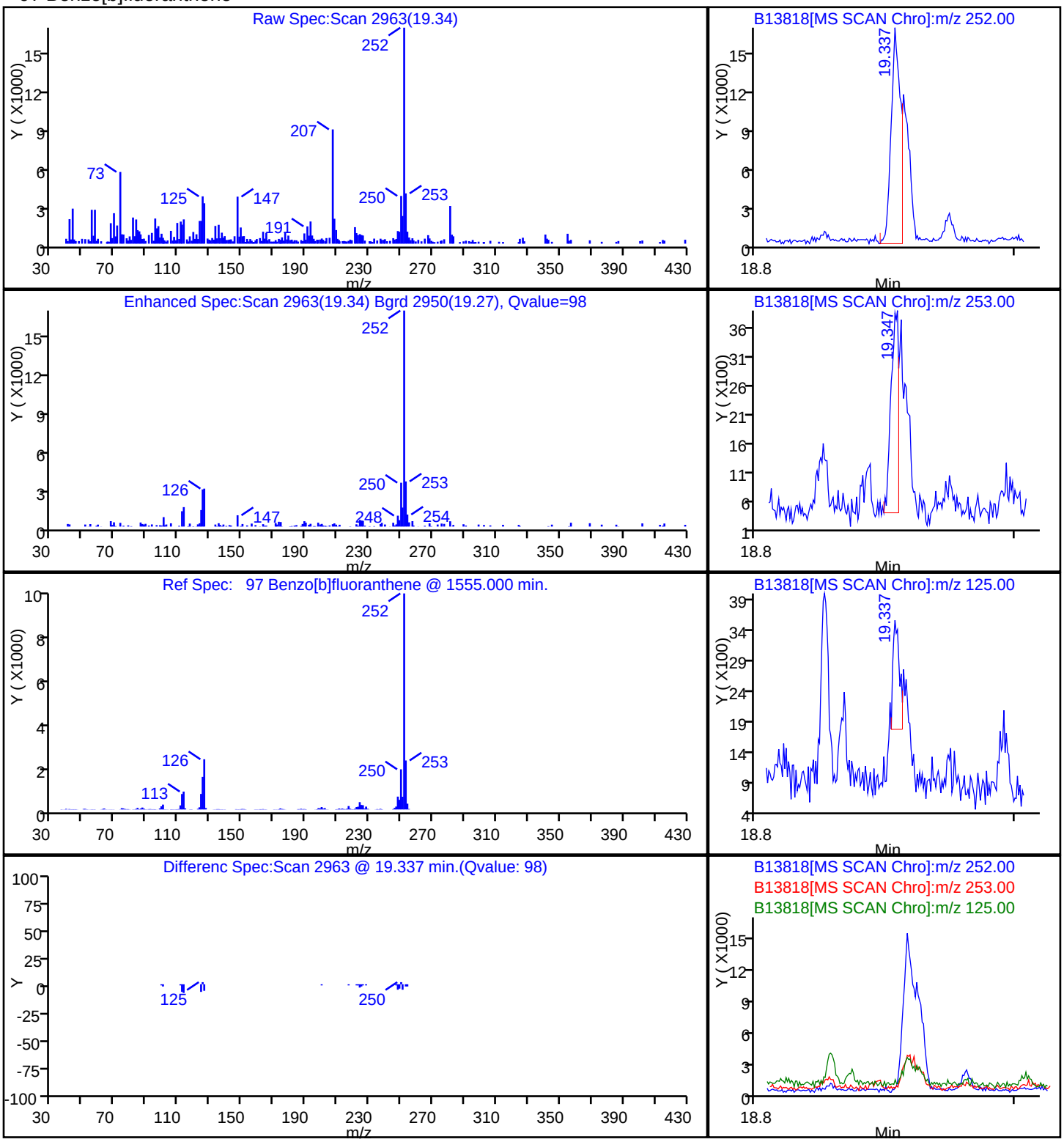


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

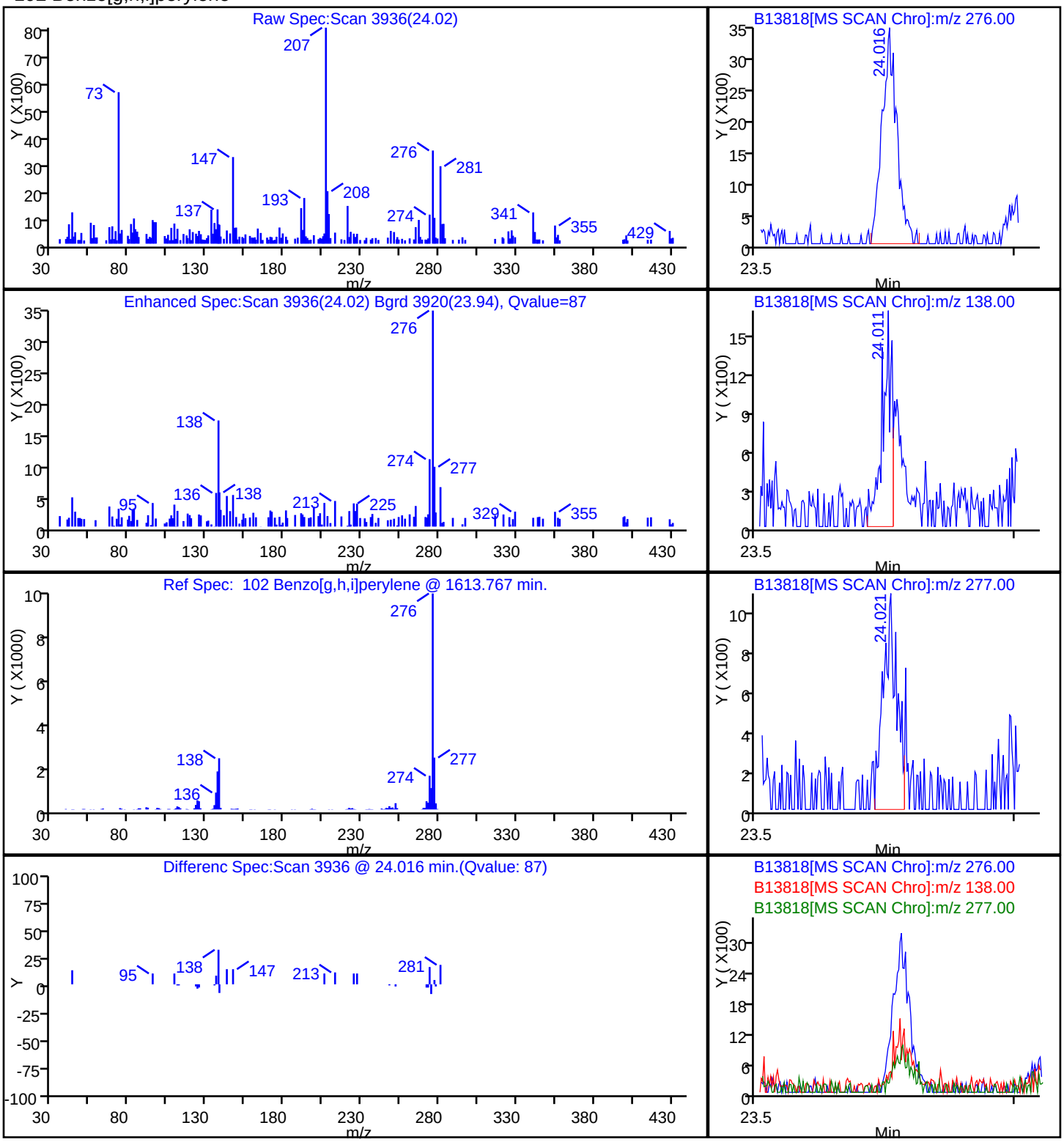


Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene

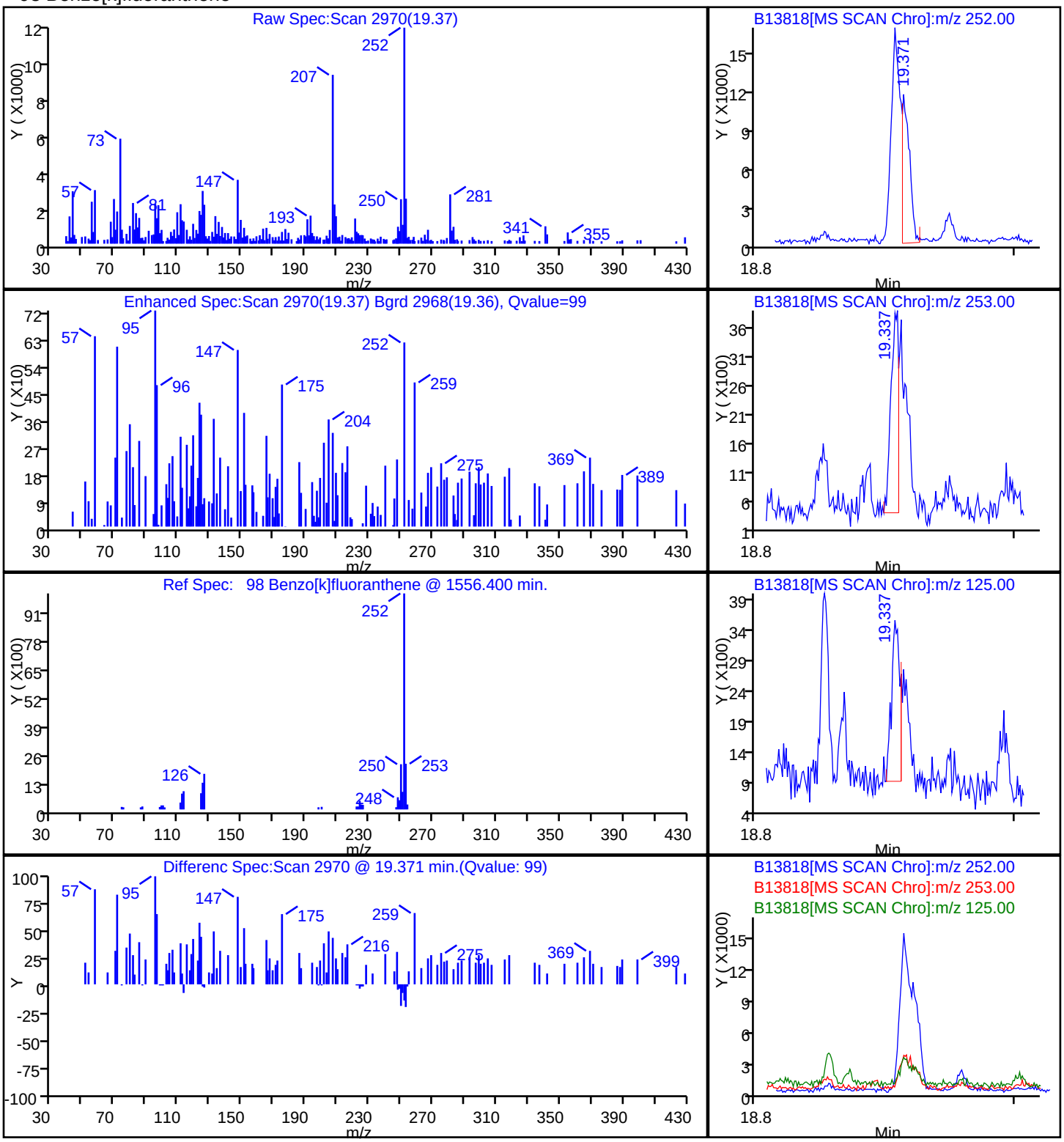


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene

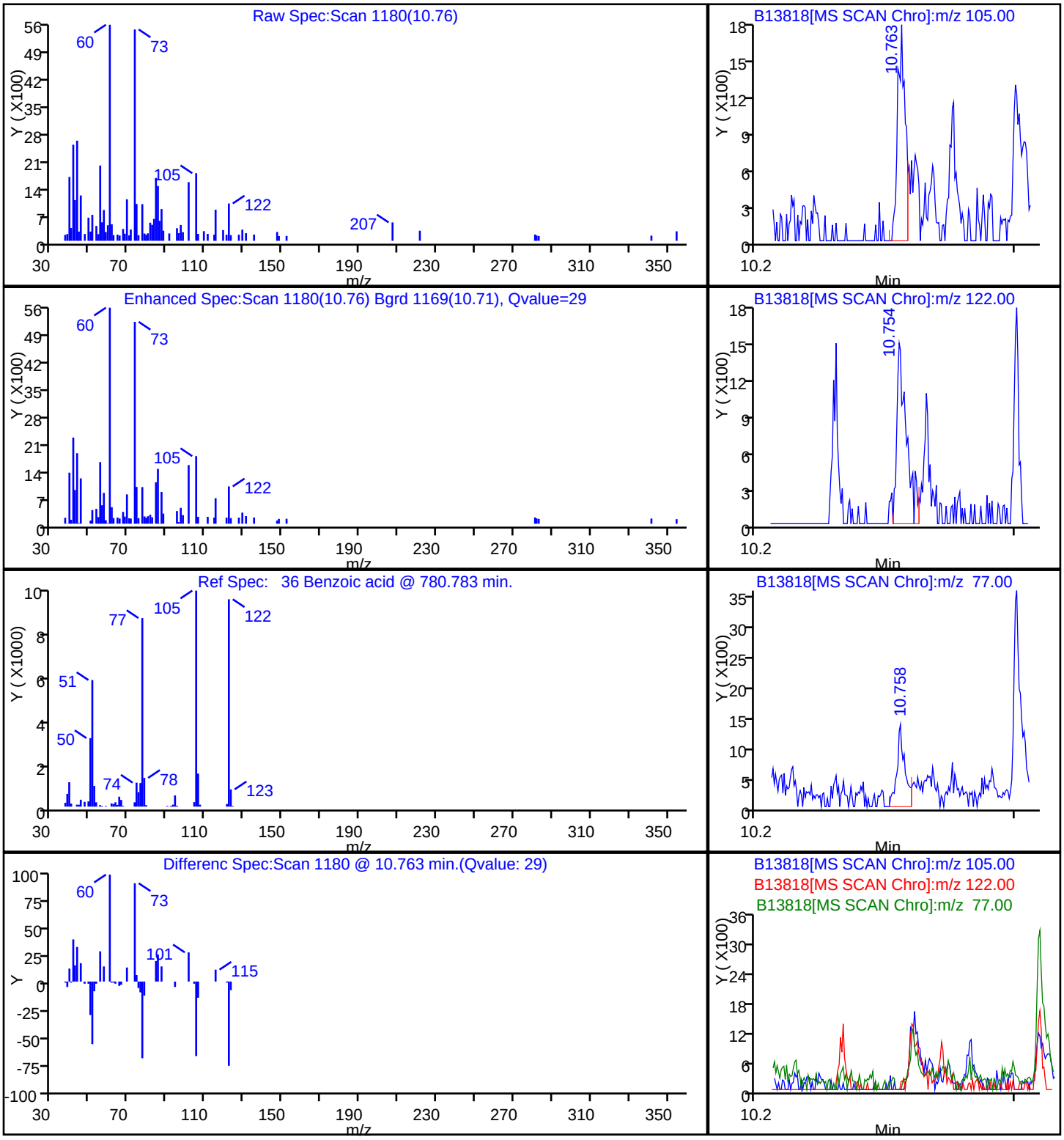


Report Date: 23-Dec-2010 07:58:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid

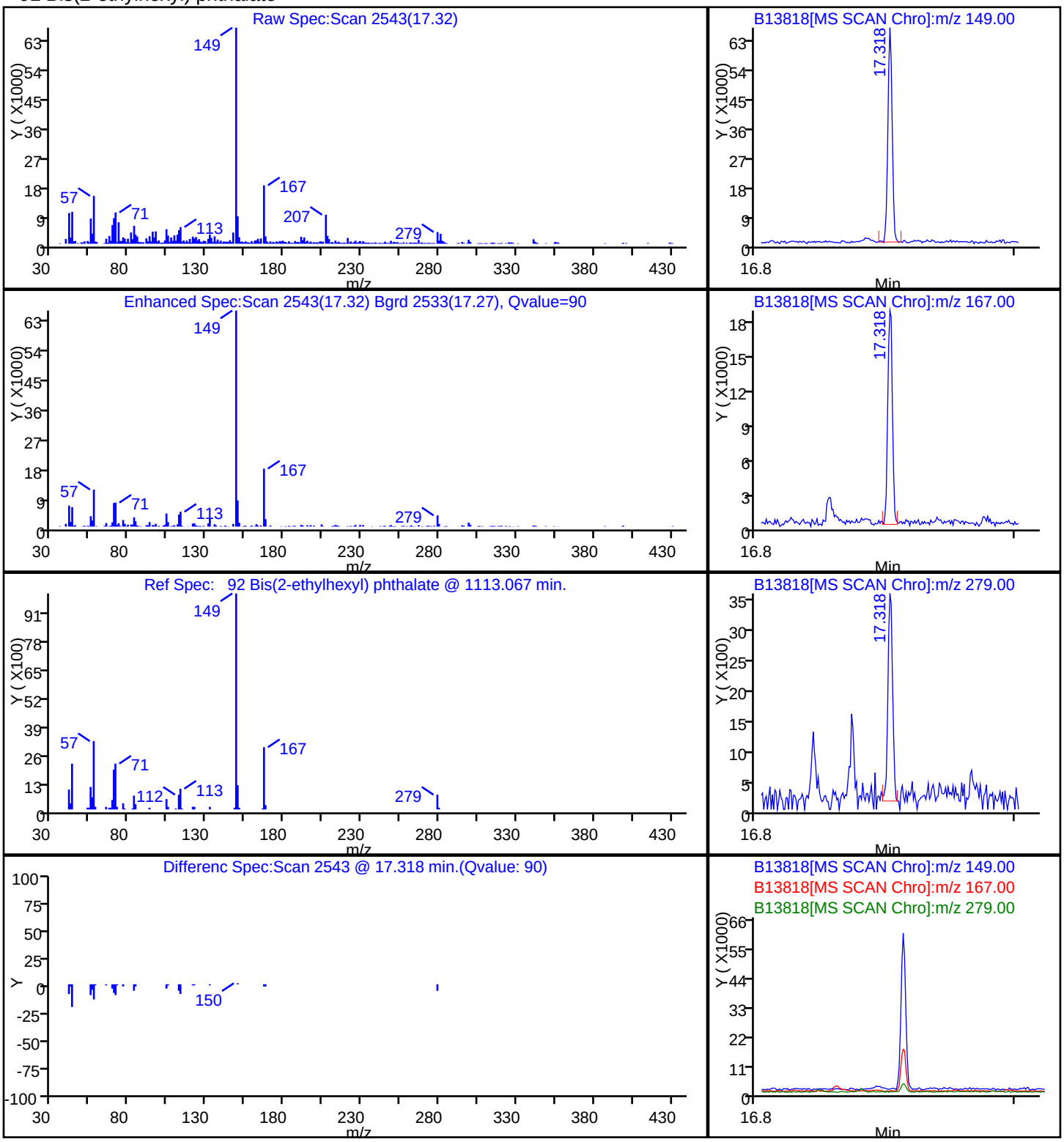


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate

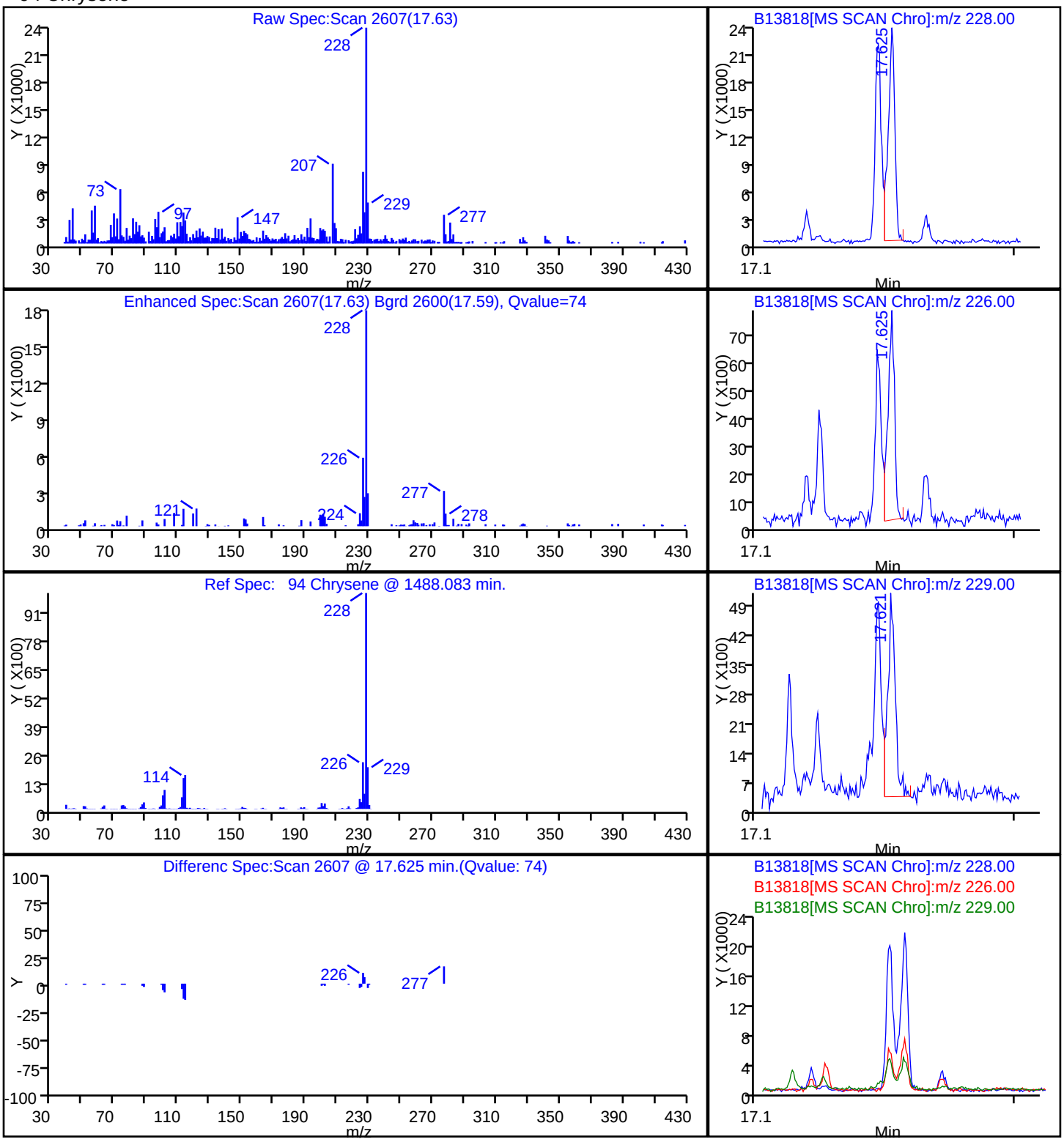


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

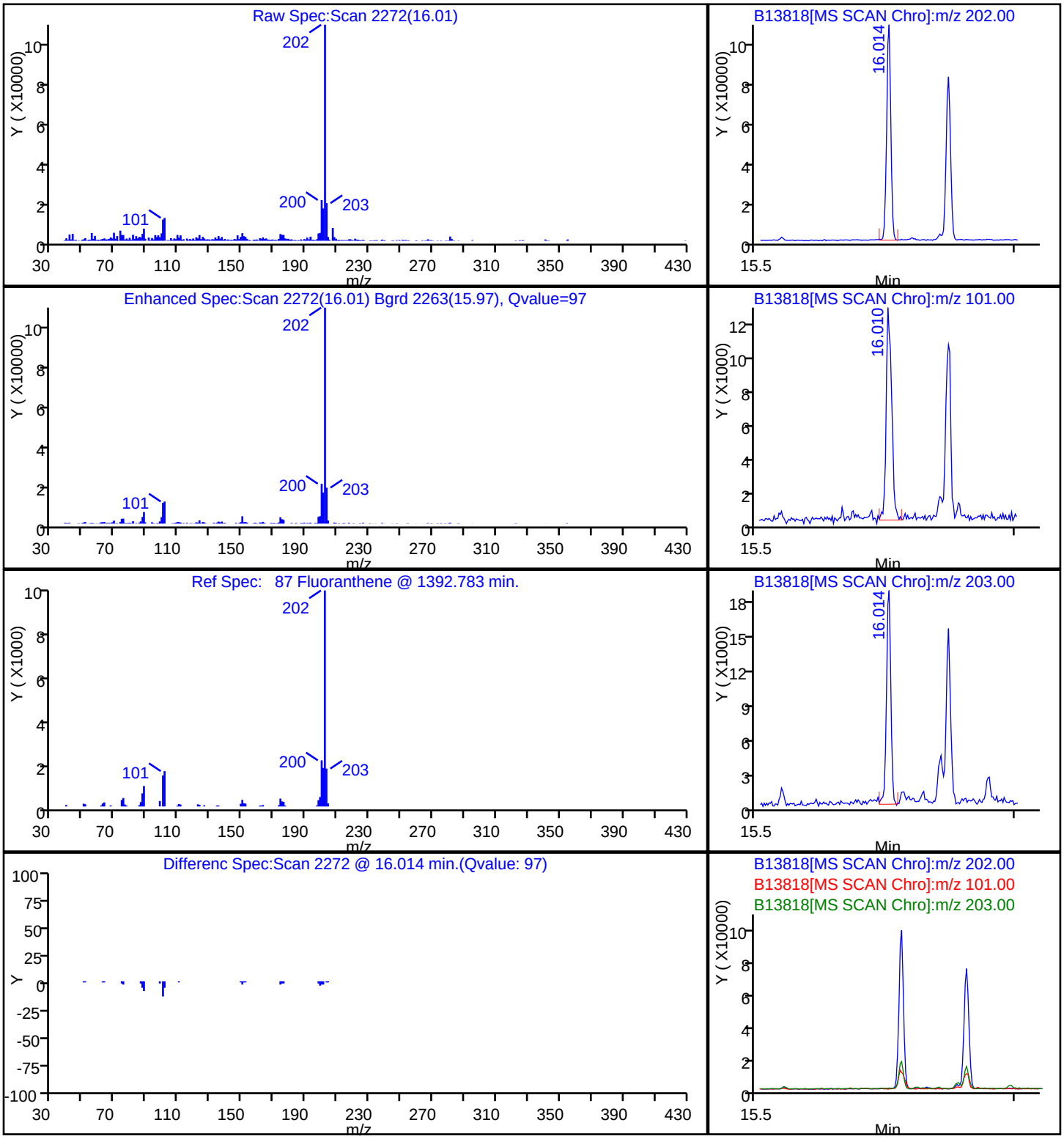


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

87 Fluoranthene

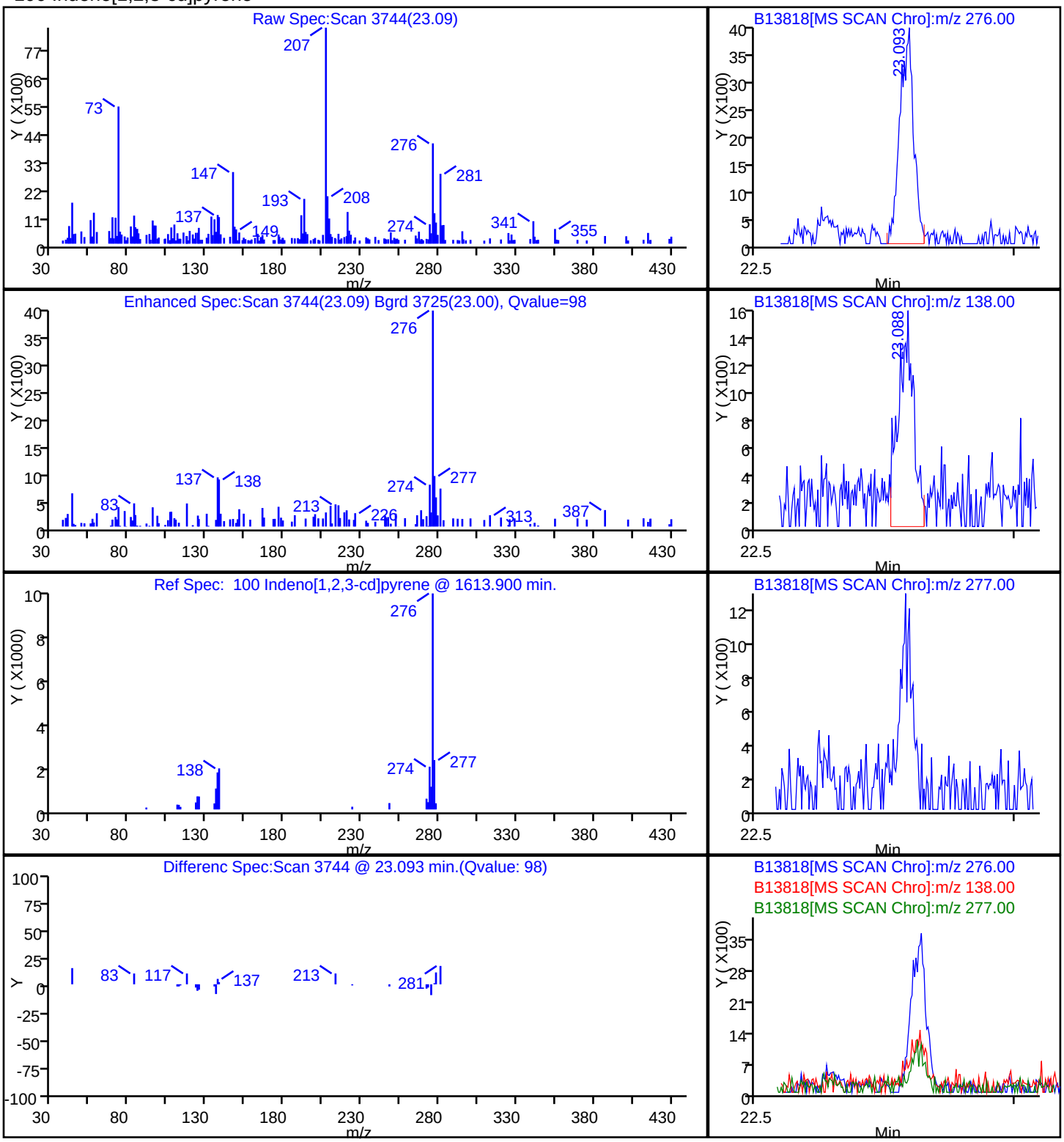


Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

100 Indeno[1,2,3-cd]pyrene

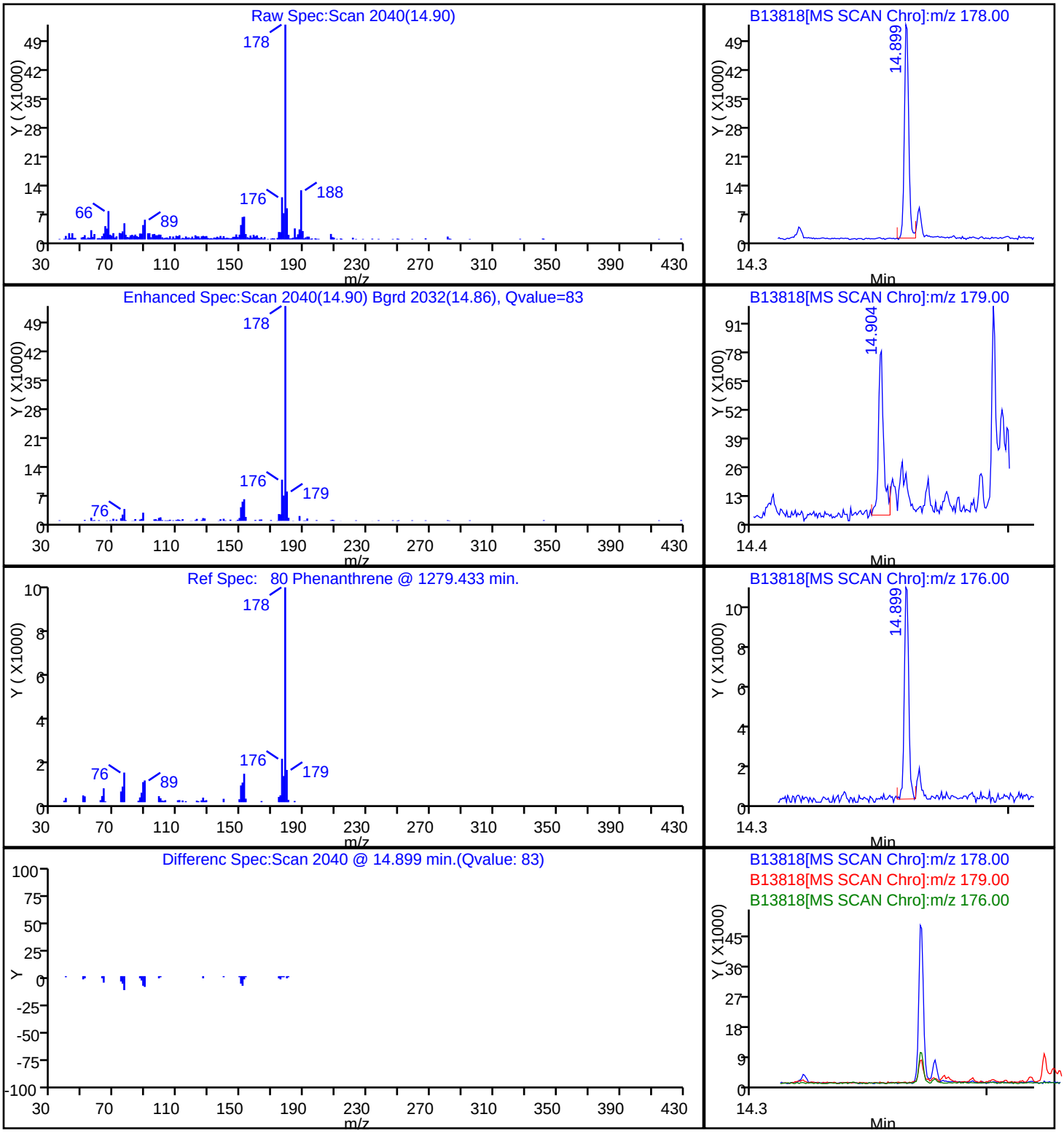


Report Date: 23-Dec-2010 07:58:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

80 Phenanthrene

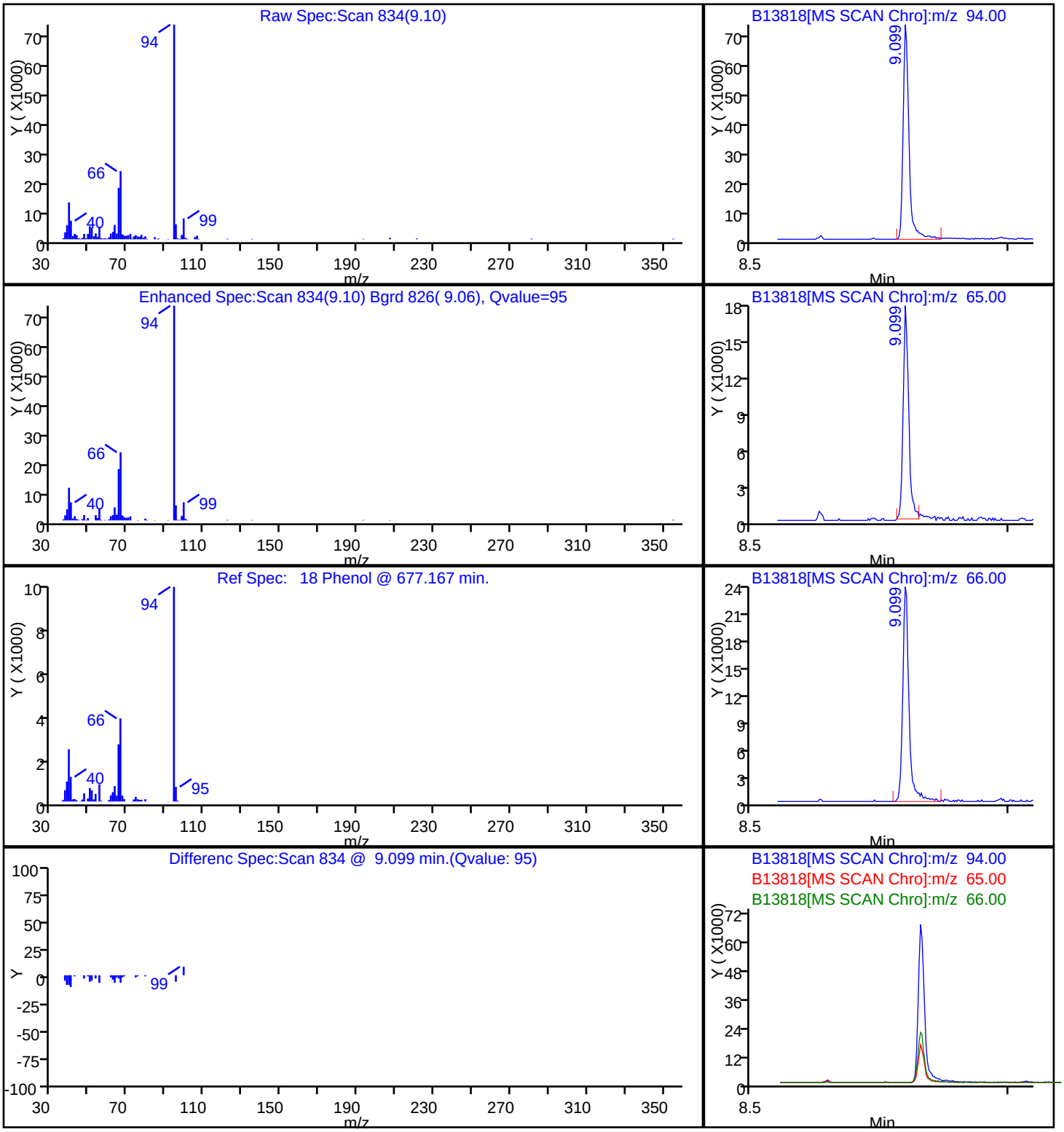


Report Date: 23-Dec-2010 07:58:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

18 Phenol

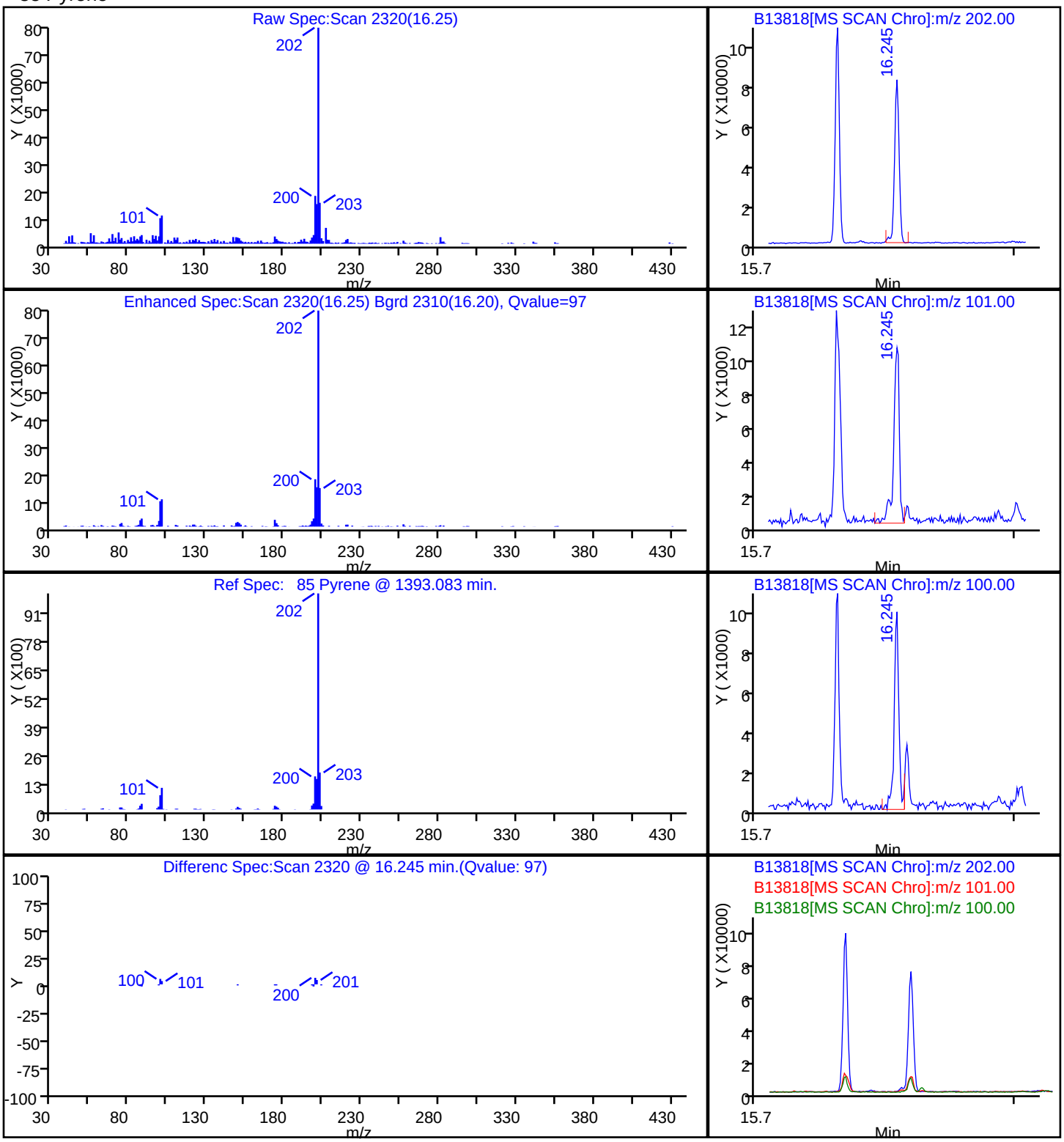


Report Date: 23-Dec-2010 07:58:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene



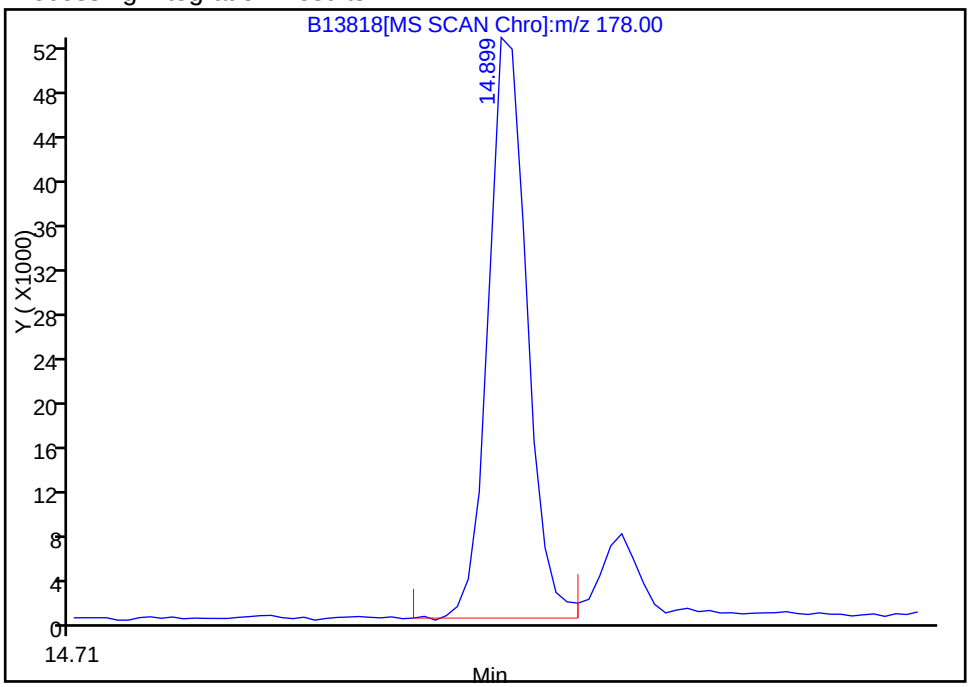
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D		
Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

81 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 14.95

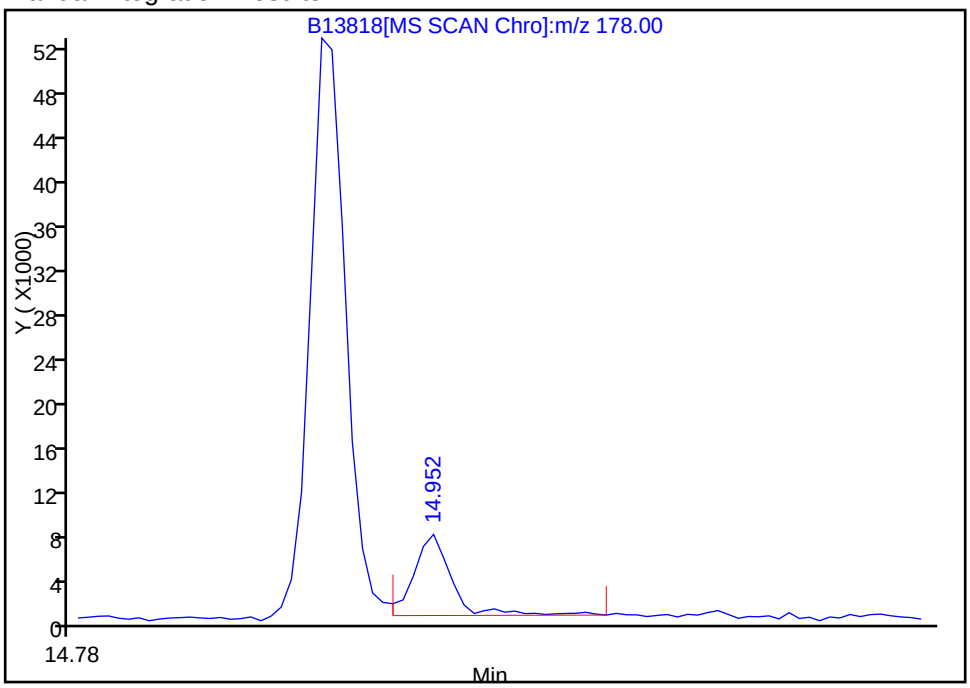
Processing Integration Results

RT: 14.90
Response: 61853
Amount: 0.757683



Manual Integration Results

RT: 14.95
Response: 9105
Amount: 0.111534



Reviewer: testerc, 23-Dec-2010 07:58:45
Audit Action: Assigned Compound ID
Audit Reason:

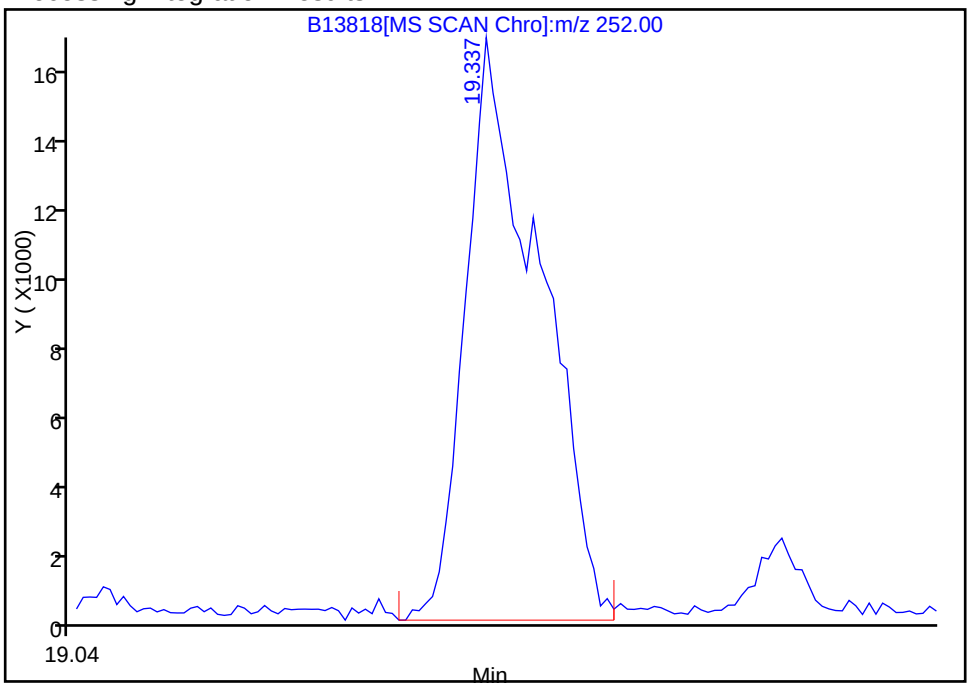
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D		
Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.38

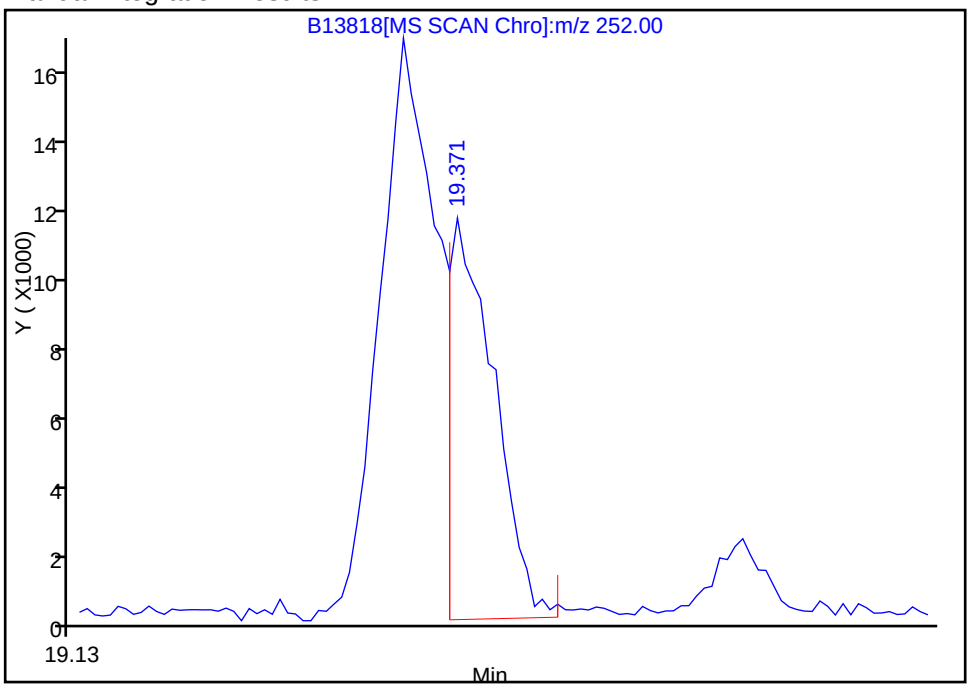
Processing Integration Results

RT: 19.34
Response: 59323
Amount: 1.074237



Manual Integration Results

RT: 19.37
Response: 21826
Amount: 0.395231



Reviewer: testerc, 23-Dec-2010 07:58:45
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

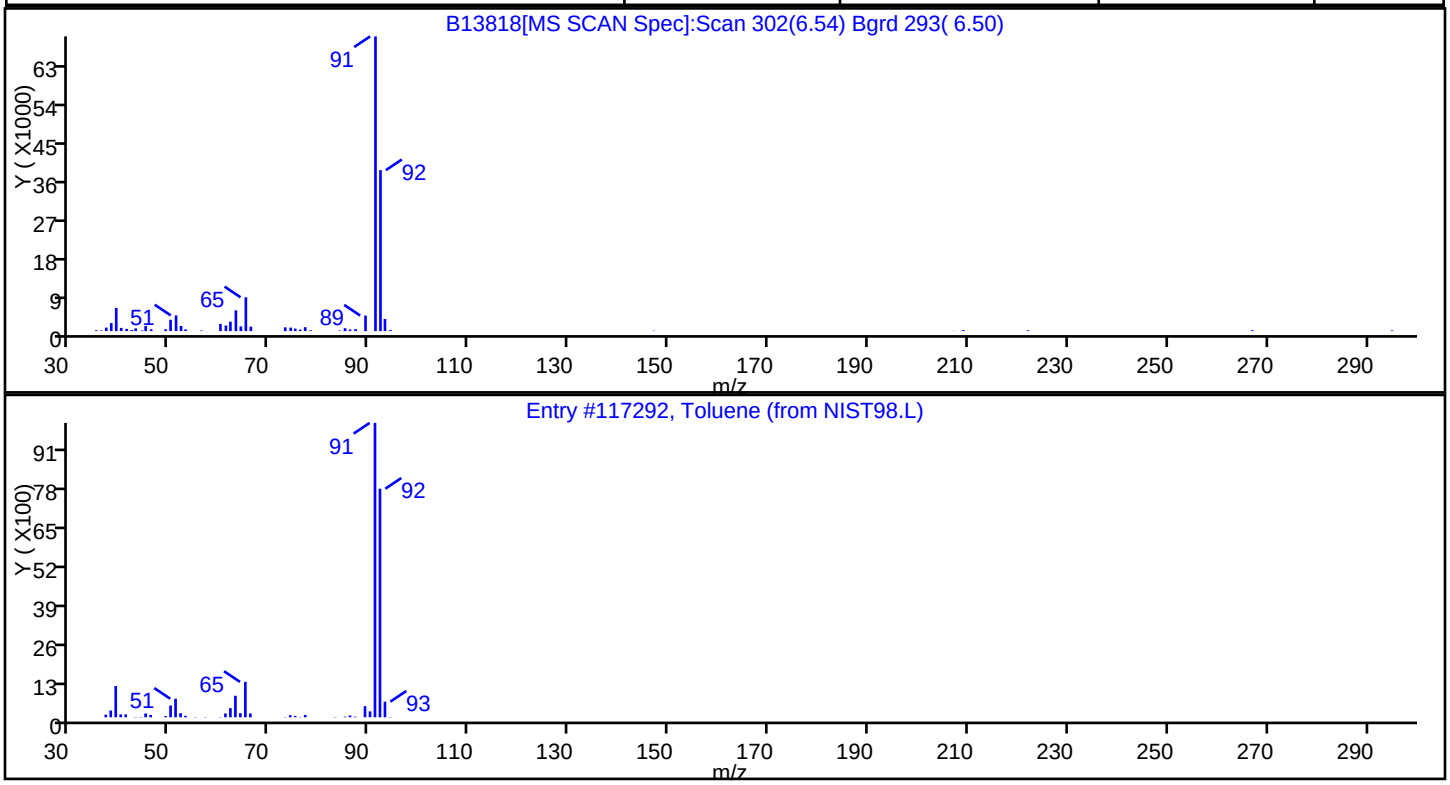
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP

Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B

Lims Batch ID: 67515 Lims Sample ID: 22

Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Toluene	108-88-3	NIST98.L	117292	94

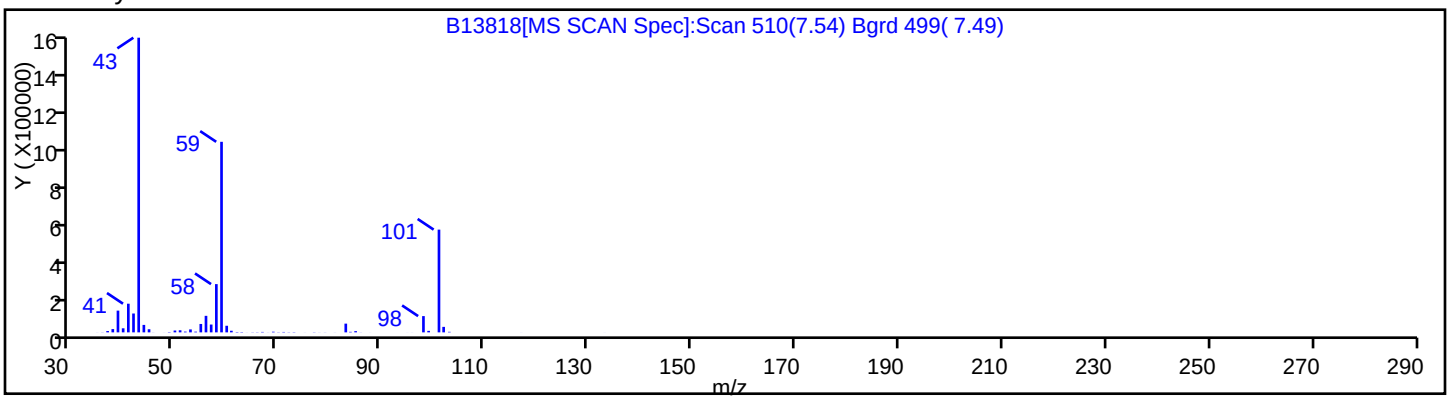


Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

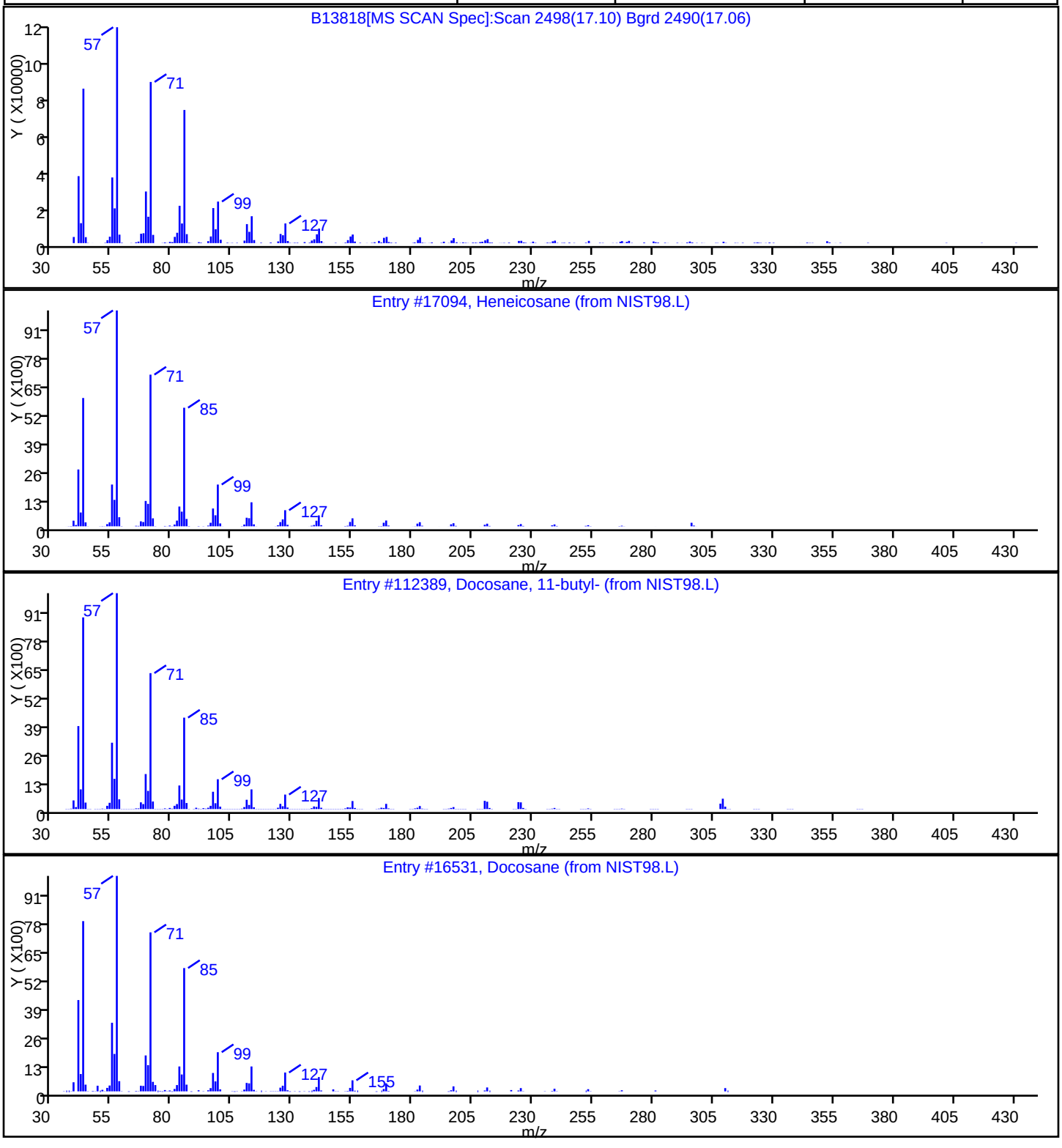
Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 22
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	91
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	91
Docosane	629-97-0	NIST98.L	16531	91

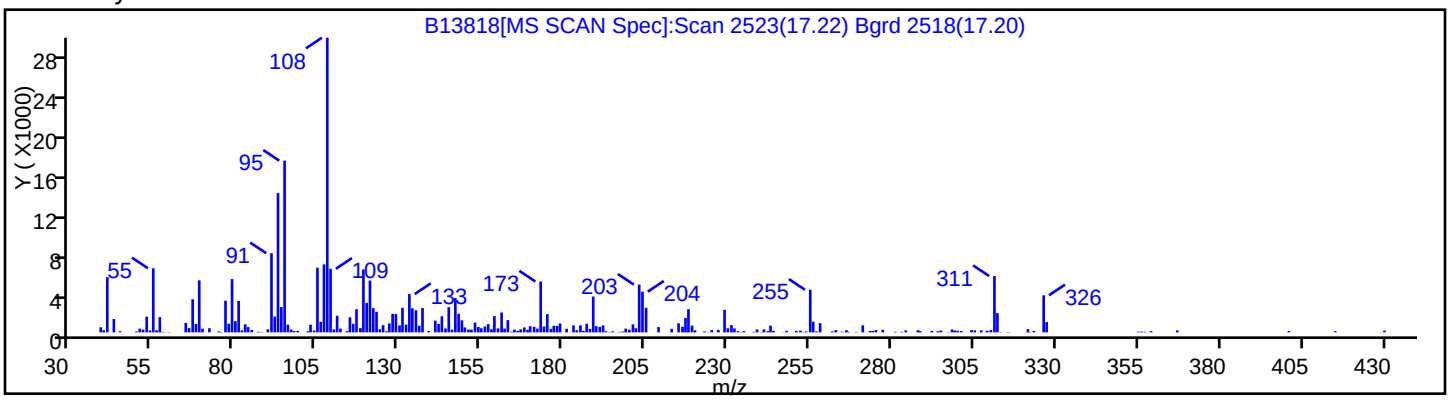


Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D

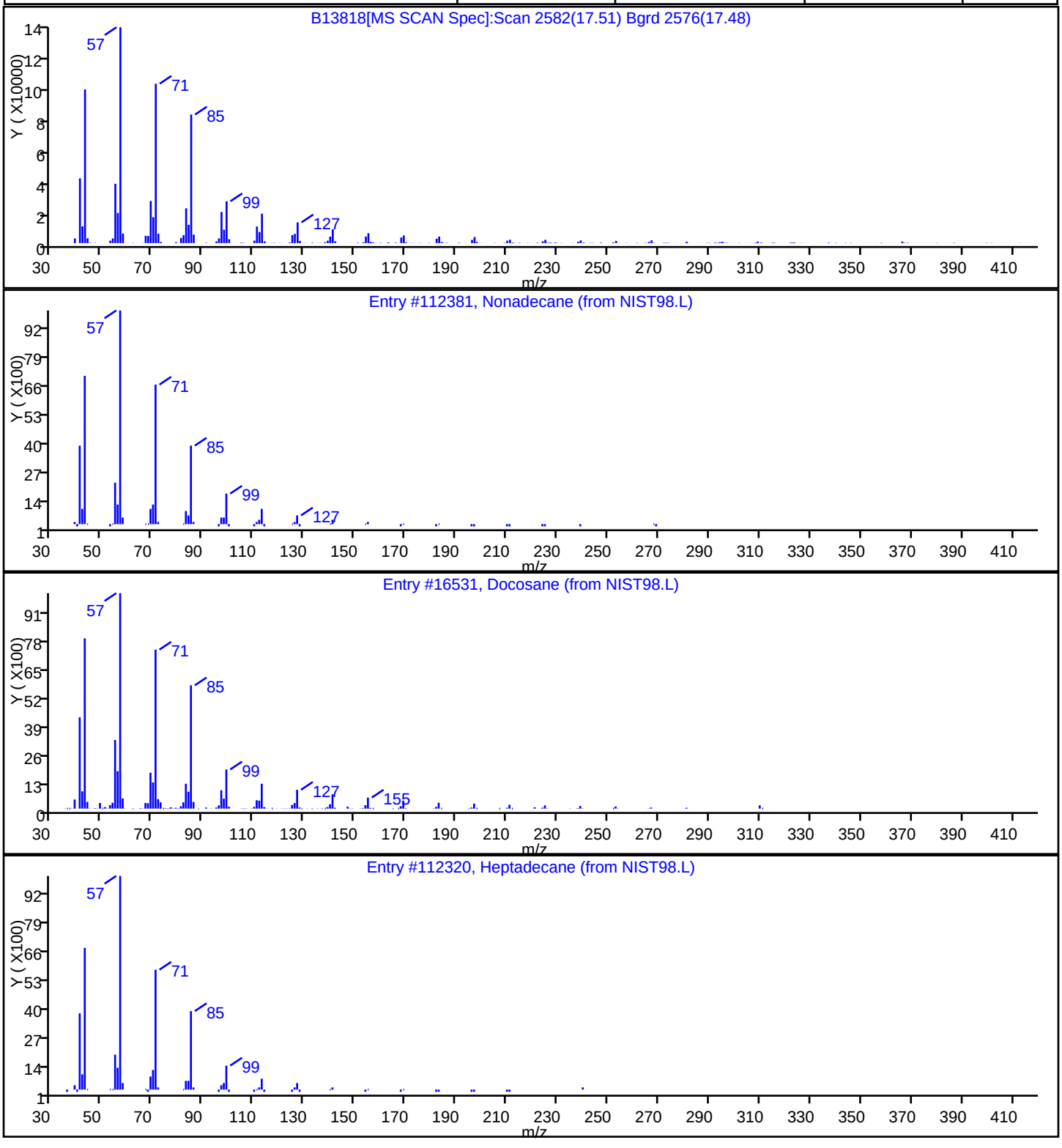
Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



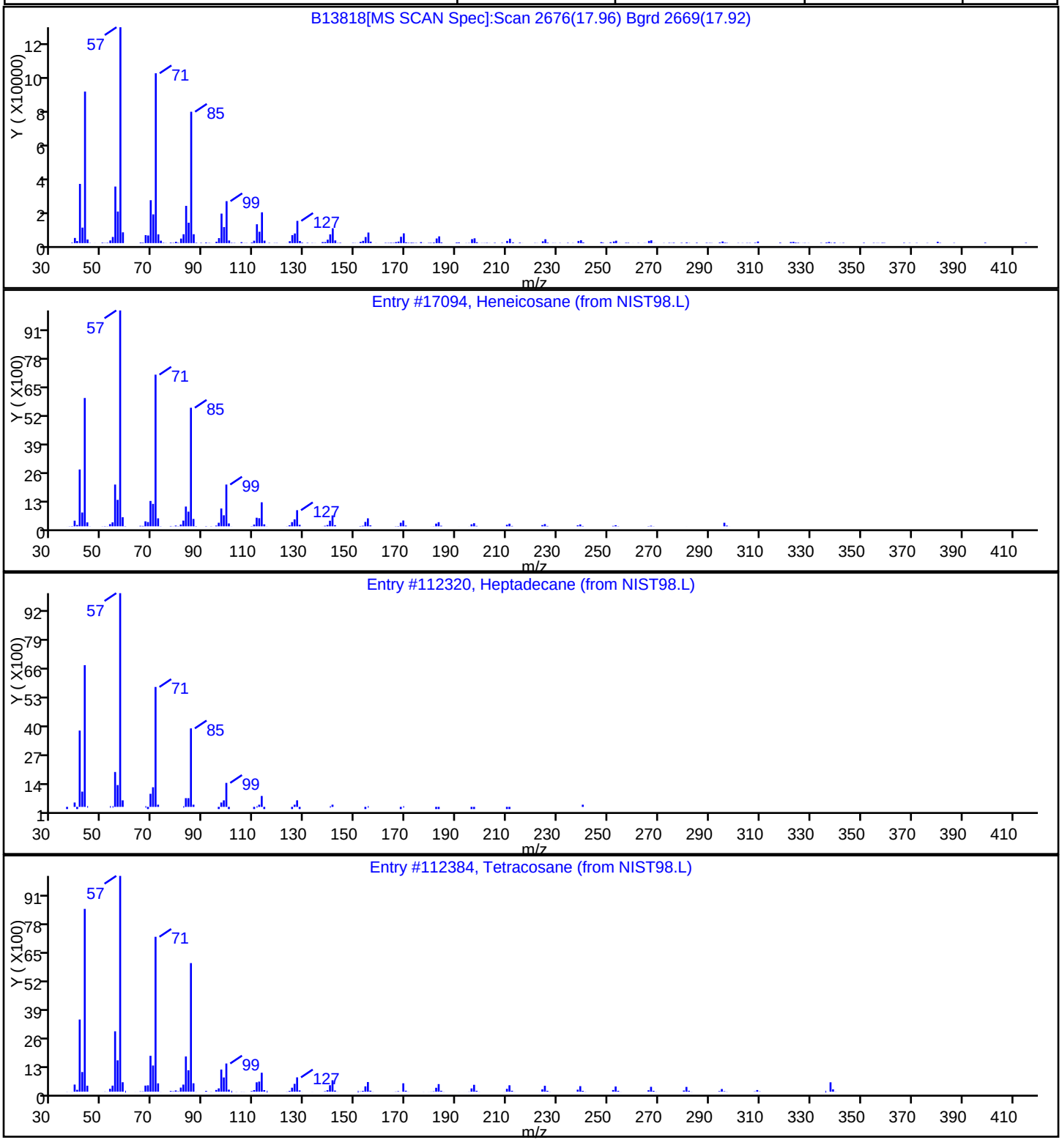
Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 22
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	112381	97
Docosane	629-97-0	NIST98.L	16531	97
Heptadecane	629-78-7	NIST98.L	112320	97



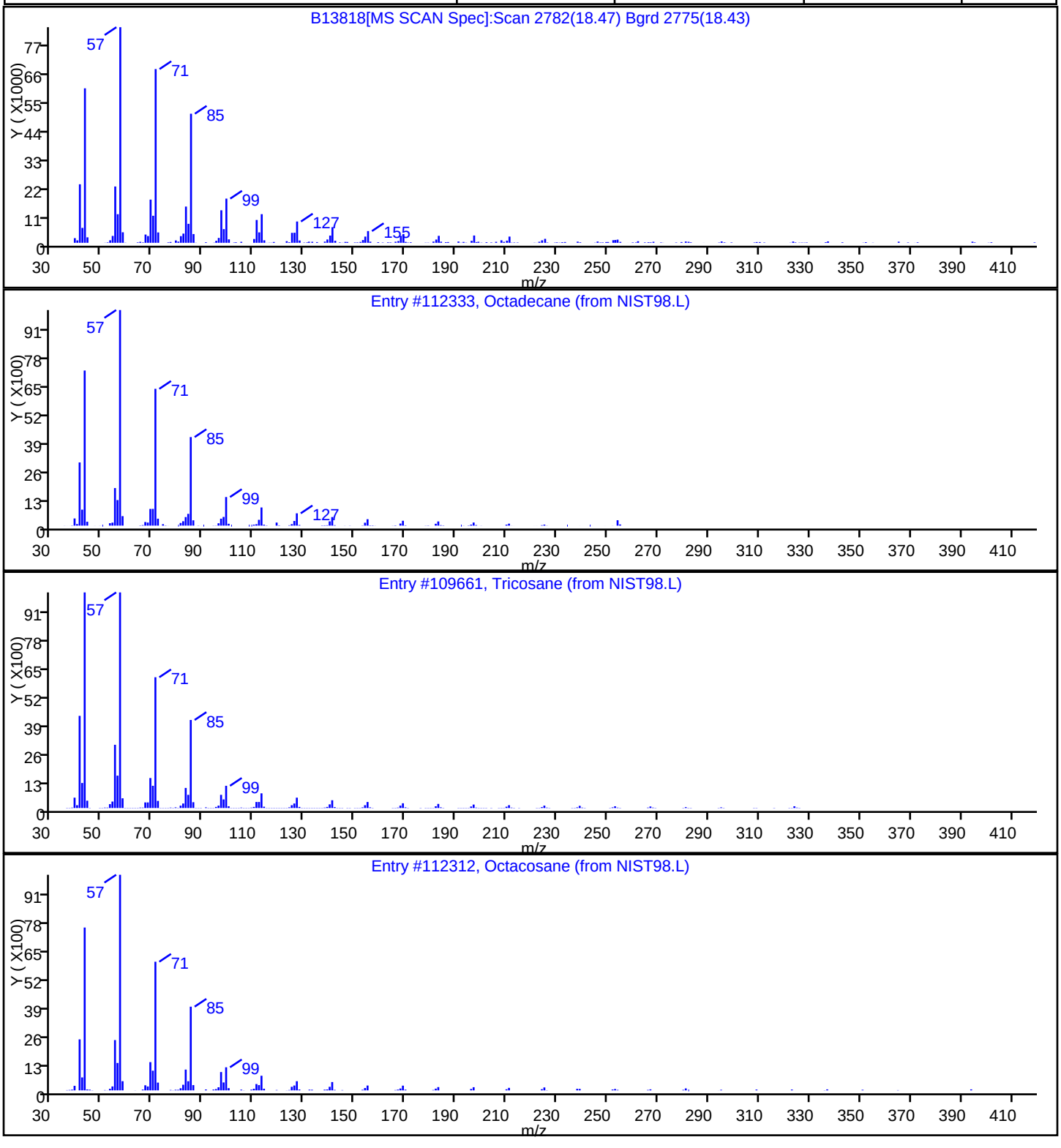
Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 22
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	98
Heptadecane	629-78-7	NIST98.L	112320	97
Tetracosane	646-31-1	NIST98.L	112384	93



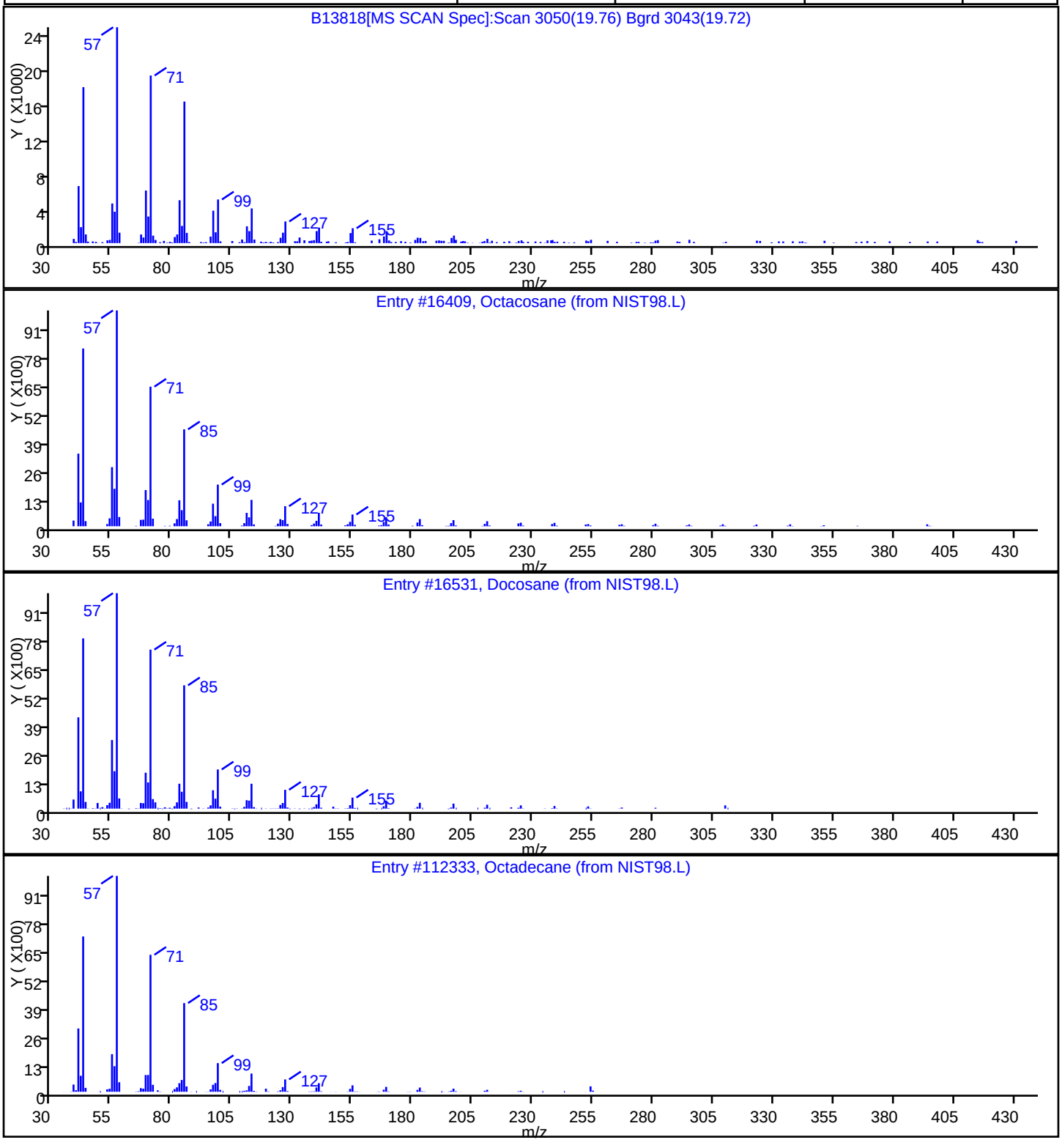
Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 22
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112333	97
Tricosane	638-67-5	NIST98.L	109661	96
Octacosane	630-2-4	NIST98.L	112312	93



Report Date: 23-Dec-2010 07:58:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 22
Operator ID: CT Injection Vol: 2.00 ul

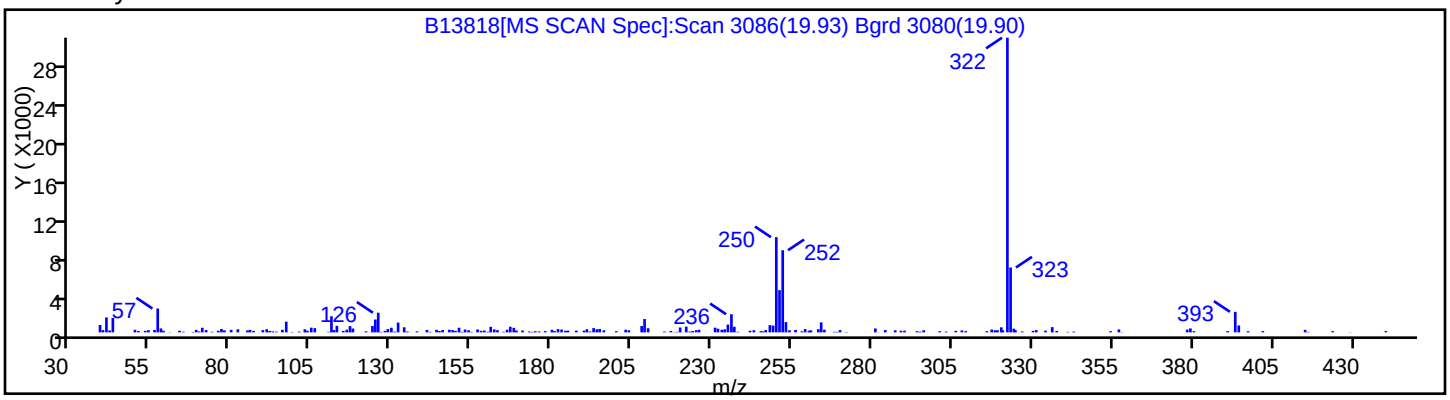
Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	16409	96
Docosane	629-97-0	NIST98.L	16531	95
Octadecane	593-45-3	NIST98.L	112333	93



Report Date: 23-Dec-2010 07:58:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

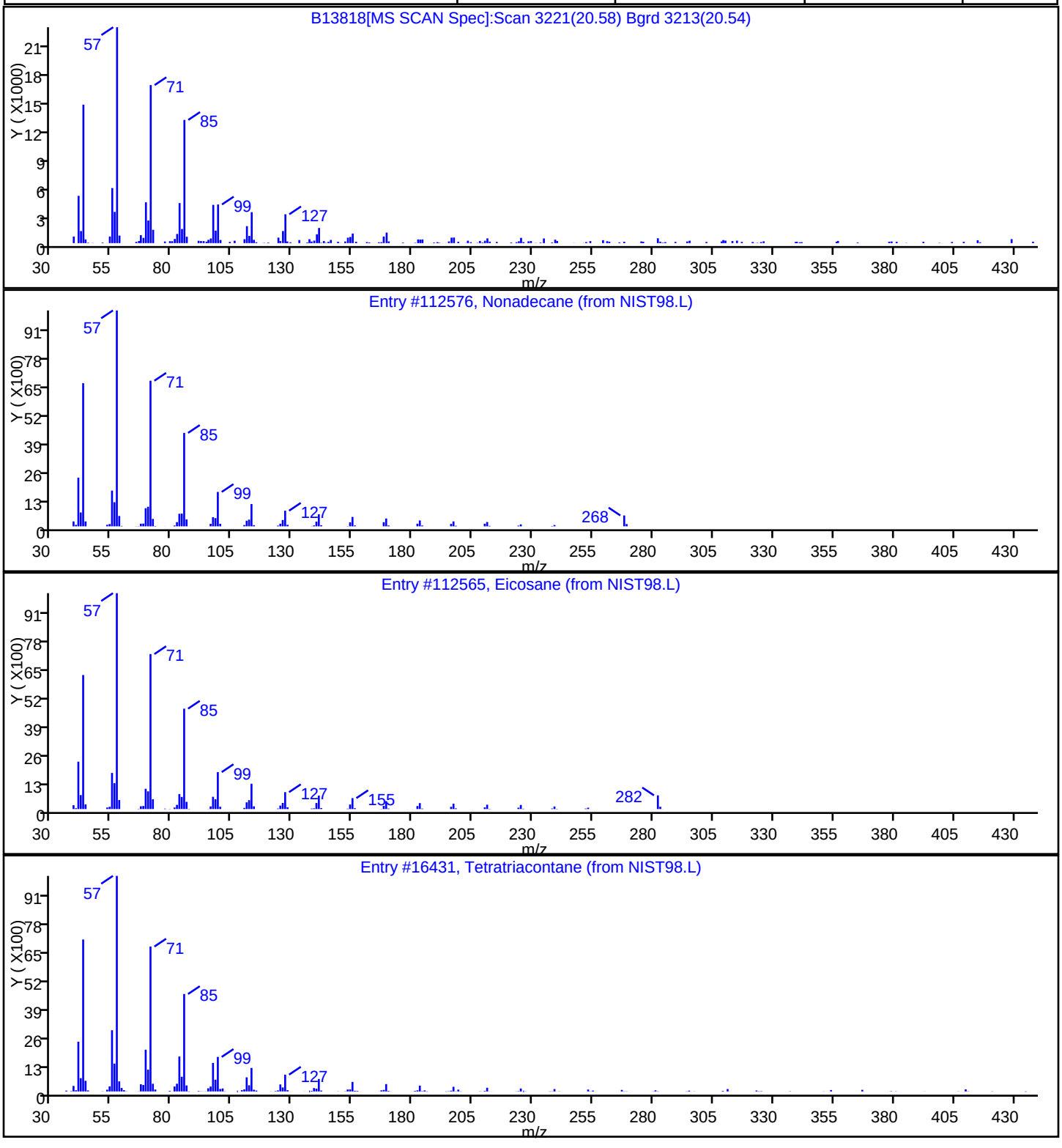
Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D		
Injection Date:	22-Dec-2010 14:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 07:58:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13818.D
Injection Date: 22-Dec-2010 14:29:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD3-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 22
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	112576	95
Eicosane	112-95-8	NIST98.L	112565	93
Tetratriacontane	14167-59-0	NIST98.L	16431	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: B13802.D

Analysis Method: 8270D | Date Collected: 12/09/2010 14:40

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 06:52

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		210	64
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		210	64
120-82-1	1,2,4-Trichlorobenzene	ND		210	64
95-50-1	1,2-Dichlorobenzene	ND		210	64
541-73-1	1,3-Dichlorobenzene	ND		210	64
106-46-7	1,4-Dichlorobenzene	ND		210	64
90-12-0	1-Methylnaphthalene	ND		210	64
62-75-9	N-Nitrosodimethylamine	ND		210	75
108-60-1	2,2'-oxybis[1-chloropropane]	ND		210	64
58-90-2	2,3,4,6-Tetrachlorophenol	ND		210	64
95-95-4	2,4,5-Trichlorophenol	ND		210	64
88-06-2	2,4,6-Trichlorophenol	ND		210	64
120-83-2	2,4-Dichlorophenol	ND		210	64
105-67-9	2,4-Dimethylphenol	ND		210	84
51-28-5	2,4-Dinitrophenol	ND		210	64
121-14-2	2,4-Dinitrotoluene	ND		210	64
606-20-2	2,6-Dinitrotoluene	ND		210	64
91-58-7	2-Chloronaphthalene	ND		210	64
95-57-8	2-Chlorophenol	ND		210	64
91-57-6	2-Methylnaphthalene	ND		210	64
95-48-7	2-Methylphenol	ND		210	130
88-74-4	2-Nitroaniline	ND		1100	64
88-75-5	2-Nitrophenol	ND		210	64
15831-10-4	3 & 4 Methylphenol	610		210	64
91-94-1	3,3'-Dichlorobenzidine	ND		430	64
99-09-2	3-Nitroaniline	ND		1100	64
534-52-1	4,6-Dinitro-2-methylphenol	ND		1100	64
101-55-3	4-Bromophenyl phenyl ether	ND		210	64
59-50-7	4-Chloro-3-methylphenol	ND		430	64
106-47-8	4-Chloroaniline	ND		430	64
7005-72-3	4-Chlorophenyl phenyl ether	ND		210	64
100-01-6	4-Nitroaniline	ND		1100	64
100-02-7	4-Nitrophenol	ND		1100	64
83-32-9	Acenaphthene	ND		210	64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: B13802.D

Analysis Method: 8270D | Date Collected: 12/09/2010 14:40

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 06:52

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		210	64
98-86-2	Acetophenone	ND		210	64
62-53-3	Aniline	ND		210	64
120-12-7	Anthracene	ND		210	64
1912-24-9	Atrazine	ND		210	64
103-33-3	Azobenzene	ND		210	64
100-52-7	Benzaldehyde	200	J	210	64
56-55-3	Benzo[a]anthracene	ND		210	64
50-32-8	Benzo[a]pyrene	110	J	210	64
205-99-2	Benzo[b]fluoranthene	93	J	210	64
191-24-2	Benzo[g,h,i]perylene	73	J	210	64
207-08-9	Benzo[k]fluoranthene	ND		210	64
65-85-0	Benzoic acid	ND		1100	96
119-61-9	Benzophenone	ND		210	64
100-51-6	Benzyl alcohol	ND		430	180
111-91-1	Bis(2-chloroethoxy)methane	ND		210	64
111-44-4	Bis(2-chloroethyl)ether	ND		210	64
117-81-7	Bis(2-ethylhexyl) phthalate	720		210	64
85-68-7	Butyl benzyl phthalate	ND		210	64
105-60-2	Caprolactam	ND		210	64
86-74-8	Carbazole	ND		210	64
218-01-9	Chrysene	68	J	210	64
53-70-3	Dibenz(a,h)anthracene	ND		210	64
132-64-9	Dibenzofuran	ND		210	64
84-66-2	Diethyl phthalate	ND		210	64
131-11-3	Dimethyl phthalate	ND		210	64
84-74-2	Di-n-butyl phthalate	ND		210	190
117-84-0	Di-n-octyl phthalate	ND		210	110
206-44-0	Fluoranthene	120	J	210	64
86-73-7	Fluorene	ND		210	64
118-74-1	Hexachlorobenzene	ND		210	64
87-68-3	Hexachlorobutadiene	ND		210	64
77-47-4	Hexachlorocyclopentadiene	ND		430	64
67-72-1	Hexachloroethane	ND		210	64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: B13802.D

Analysis Method: 8270D | Date Collected: 12/09/2010 14:40

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 06:52

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	77	J	210	64
78-59-1	Isophorone	ND		210	64
91-20-3	Naphthalene	ND		510	64
98-95-3	Nitrobenzene	ND		210	64
621-64-7	N-Nitrosodi-n-propylamine	ND		210	64
86-30-6	N-Nitrosodiphenylamine	ND		210	64
87-86-5	Pentachlorophenol	ND		210	64
85-01-8	Phenanthrene	ND		250	64
108-95-2	Phenol	220		210	64
101-84-8	Diphenyl oxide	ND		210	64
129-00-0	Pyrene	120	J	210	64
62-75-9	N-Nitrosodimethylamine	ND		210	75
122-39-4	Diphenylamine	ND		210	64

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	63		30-130
4165-62-2	Phenol-d5	67		30-130
4165-60-0	Nitrobenzene-d5	52		30-130
118-79-6	2,4,6-Tribromophenol	70		30-130
1718-51-0	Terphenyl-d14	40		30-130
321-60-8	2-Fluorobiphenyl	43		30-130
118-79-6	2,4,6-Tribromophenol	70		30-130
321-60-8	2-Fluorobiphenyl	43		30-130
367-12-4	2-Fluorophenol	63		30-130
4165-60-0	Nitrobenzene-d5	52		30-130
4165-62-2	Phenol-d5	67		30-130
1718-51-0	Terphenyl-d14	40		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: B13802.D

Analysis Method: 8270D | Date Collected: 12/09/2010 14:40

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 06:52

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67459 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 15478

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.17	110	T J
	Unknown	7.61	15000	T J
501-52-0	Benzenepropanoic acid	12.19	98	T J N
	Unknown	17.32	270	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D
Lims ID: 360-31465-A-7-C
Client ID: OC-SD-SDSW-E-XXX
Inject. Date: 21-Dec-2010 06:52:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 360-31464-A-7-C 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. B
Vol. Injected: 2.0000
ALS Bottle#: 29
Lims Batch ID: 67459
Lims Sample ID: 27
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 15:02:47
Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 21-Dec-2010 15:26:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.681	9.676	0.005	91	94204	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	362577	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	92	193799	4.00	
* 4 Phenanthrene-d10	188	14.947	14.946	0.001	96	344516	4.00	
* 5 Chrysene-d12	240	17.698	17.692	0.006	96	240644	4.00	
* 6 Perylene-d12	264	20.357	20.347	0.011	96	127965	4.00	
$ 7 2-Fluorophenol	112	8.017	8.002	0.015	82	26031	1.26	
$ 8 Phenol-d5	99	9.143	9.137	0.006	88	28101	1.34	
$ 9 Nitrobenzene-d5	82	10.369	10.368	0.001	79	9812	0.5222	
$ 10 2-Fluorobiphenyl	172	12.600	12.600	0.0	99	22195	0.4319	
$ 11 2,4,6-Tribromophenol	330	14.250	14.244	0.006	86	5315	1.41	
$ 12 Terphenyl-d14	244	16.385	16.379	0.006	100	14558	0.3964	
17 Benzaldehyde	105	9.133	9.132	0.001	62	13544	0.9587	
18 Phenol	94	9.162	9.152	0.010	95	21231	1.04	
28 3 & 4 Methylphenol	107	10.104	10.099	0.005	89	54365	2.86	
30 Acetophenone	105	10.162	10.157	0.005	77	3683	0.1477	
80 Phenanthrene	178	14.971	14.970	0.001	83	16863	0.2544	
81 Anthracene	178	15.019	15.018	0.001	61	2320	0.0364	
82 DFTPP	198	14.990	15.076	-0.086	0	3643	0	
84 Di-n-butyl phthalate	149	15.365	15.365	0.0	86	6970	0.0809	
87 Fluoranthene	202	16.087	16.086	0.001	98	37987	0.5666	
85 Pyrene	202	16.322	16.322	0.0	97	32278	0.5689	
92 Bis(2-ethylhexyl) phthalate	149	17.419	17.413	0.006	91	136709	3.39	
93 Benzo[a]anthracene	228	17.678	17.678	0.005	43	11082	0.2541	A
94 Chrysene	228	17.736	17.731	0.005	74	14415	0.3211	
97 Benzo[b]fluoranthene	252	19.496	19.486	0.010	96	14558	0.4390	
98 Benzo[k]fluoranthene								
99 Benzo[a]pyrene	252	20.232	20.217	0.015	55	13952	0.5217	
100 Indeno[1,2,3-cd]pyrene	276	23.353	23.338	0.015	89	7764	0.3636	
102 Benzo[g,h,i]perylene	276	24.324	24.299	0.025	94	6319	0.3440	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D		
Lims ID:	360-31465-A-7-C	Client ID:	OC-SD-SDSW-E-XXX
Inject. Date:	21-Dec-2010 06:52:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	360-31464-A-7-C 5X		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	29
Lims Batch ID:	67459	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 15:02:47	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 15:26:08

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,4-Dioxane	5.613	257	0.0327	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
5.166	67011	0.5288	1			
	Unknown					
7.613	8678890	68.5	1			
	501-52-0	Benzenepropanoic acid				
12.187	84462	0.4630	2	90	37564	
	Unknown					
17.322	234078	1.26	5			

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.681	506915	4.00
* 2 Naphthalene-d8	11.292	729705	4.00
* 5 Chrysene-d12	17.698	745049	4.00

QC Flag Legend

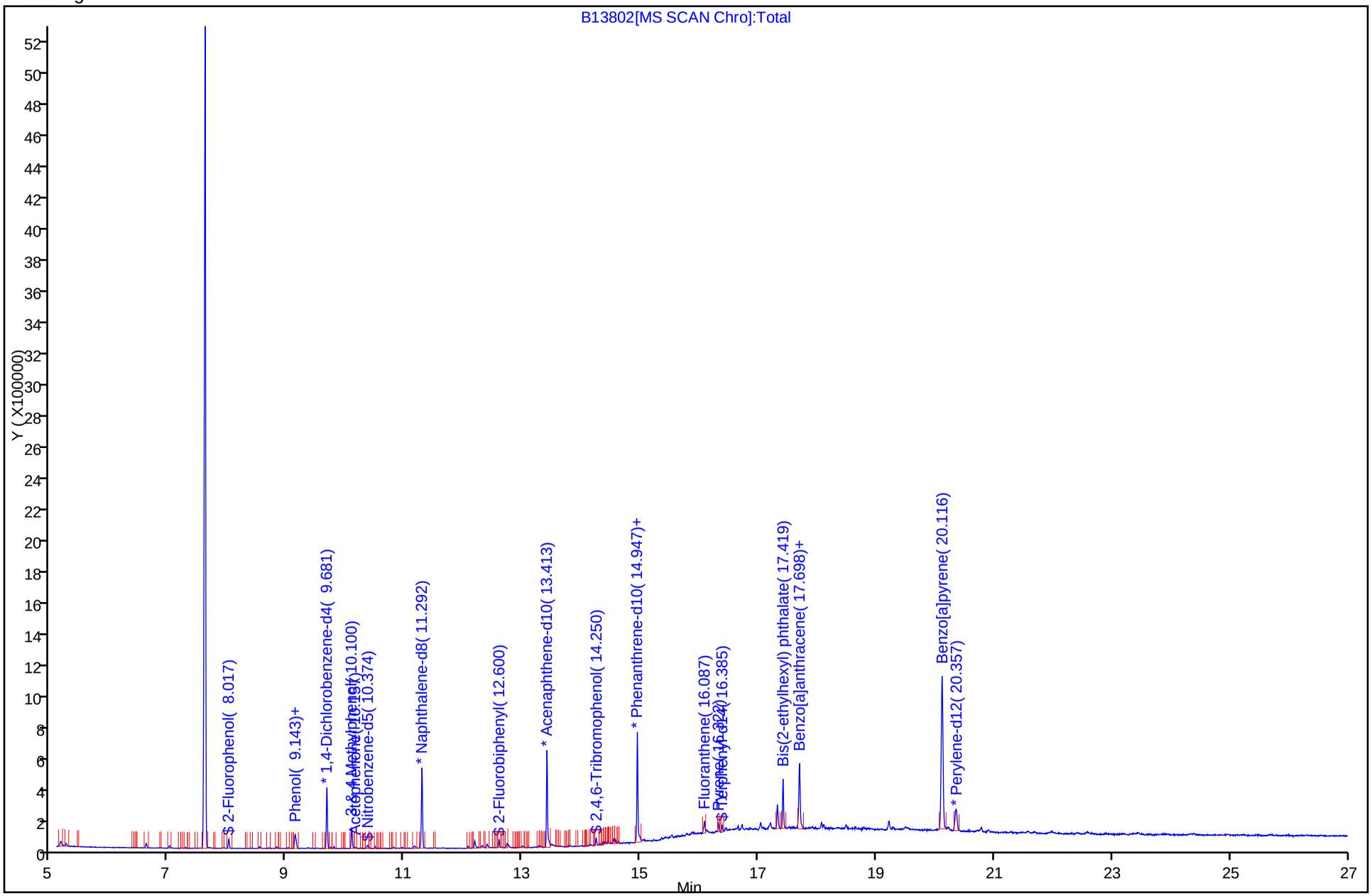
Processing Flags

Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

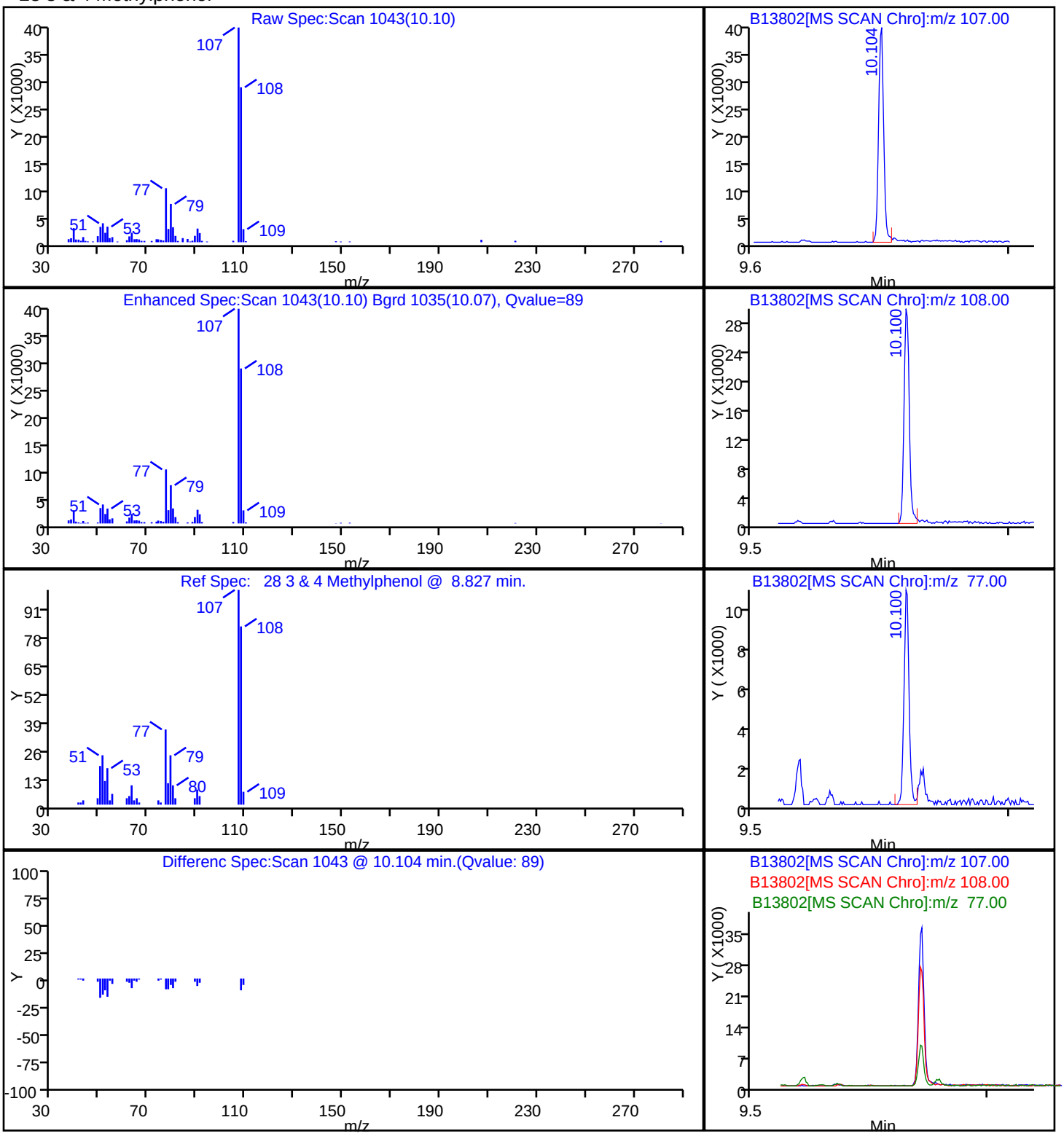


Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

28 3 & 4 Methylphenol

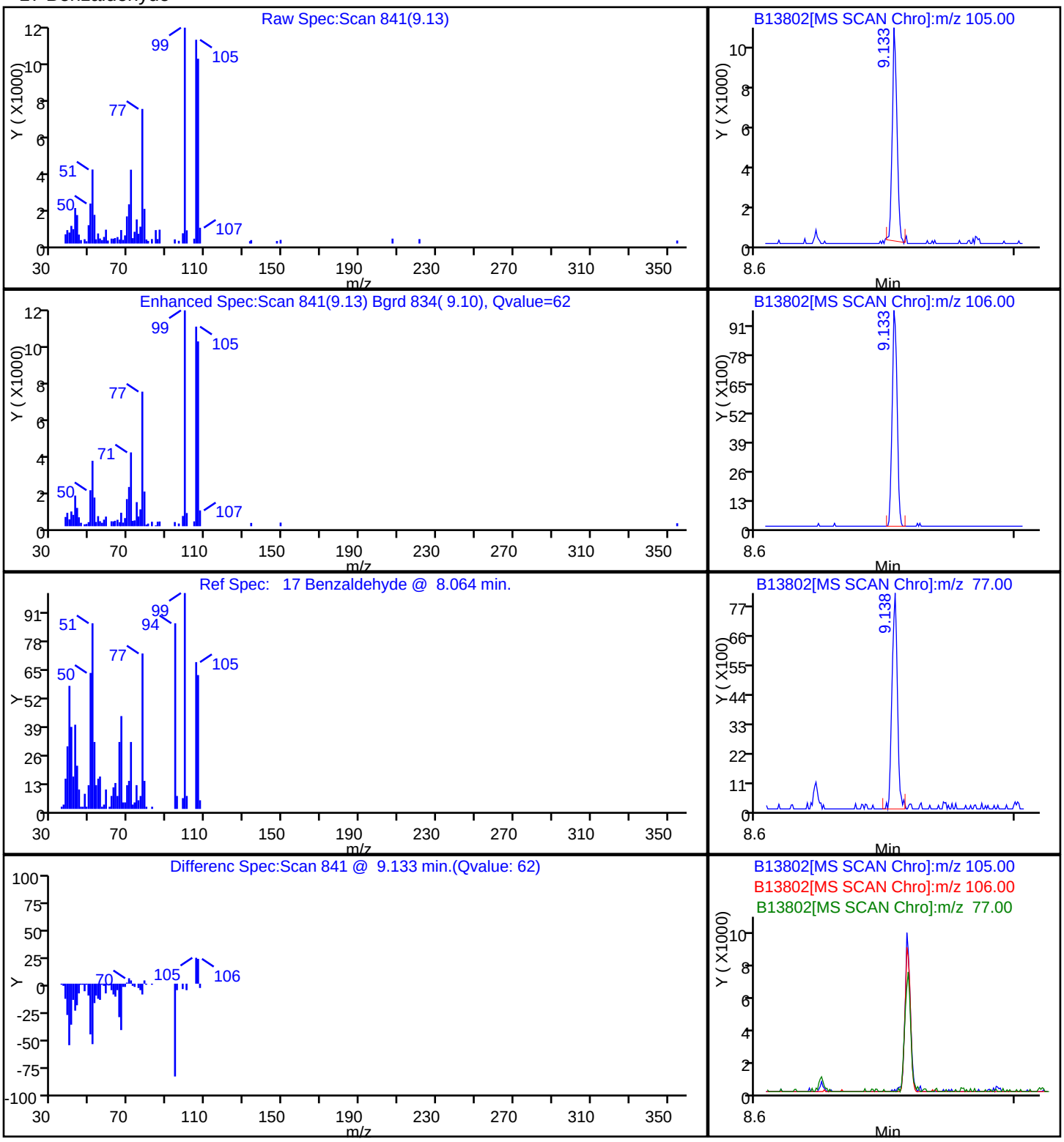


Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

17 Benzaldehyde

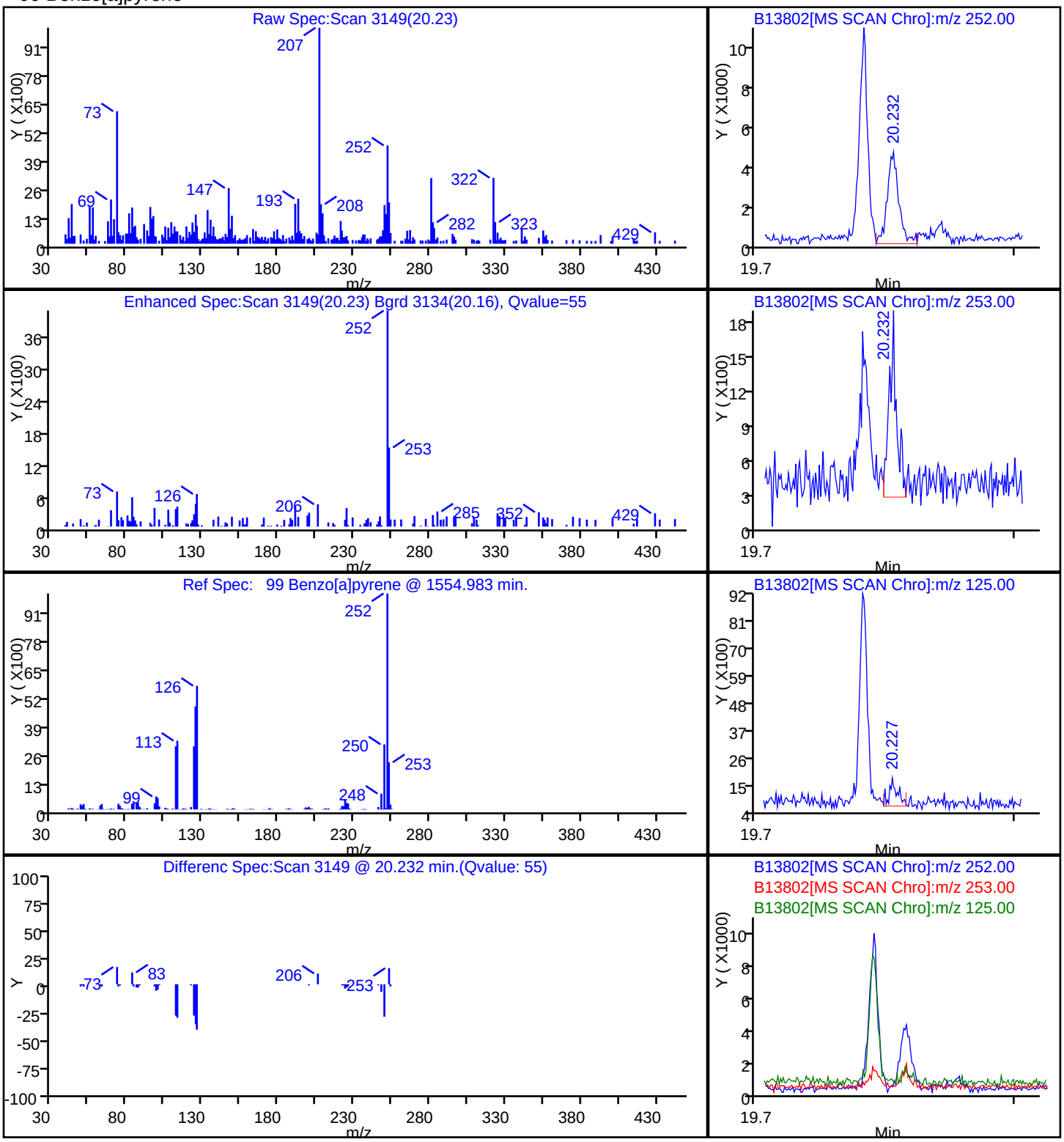


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

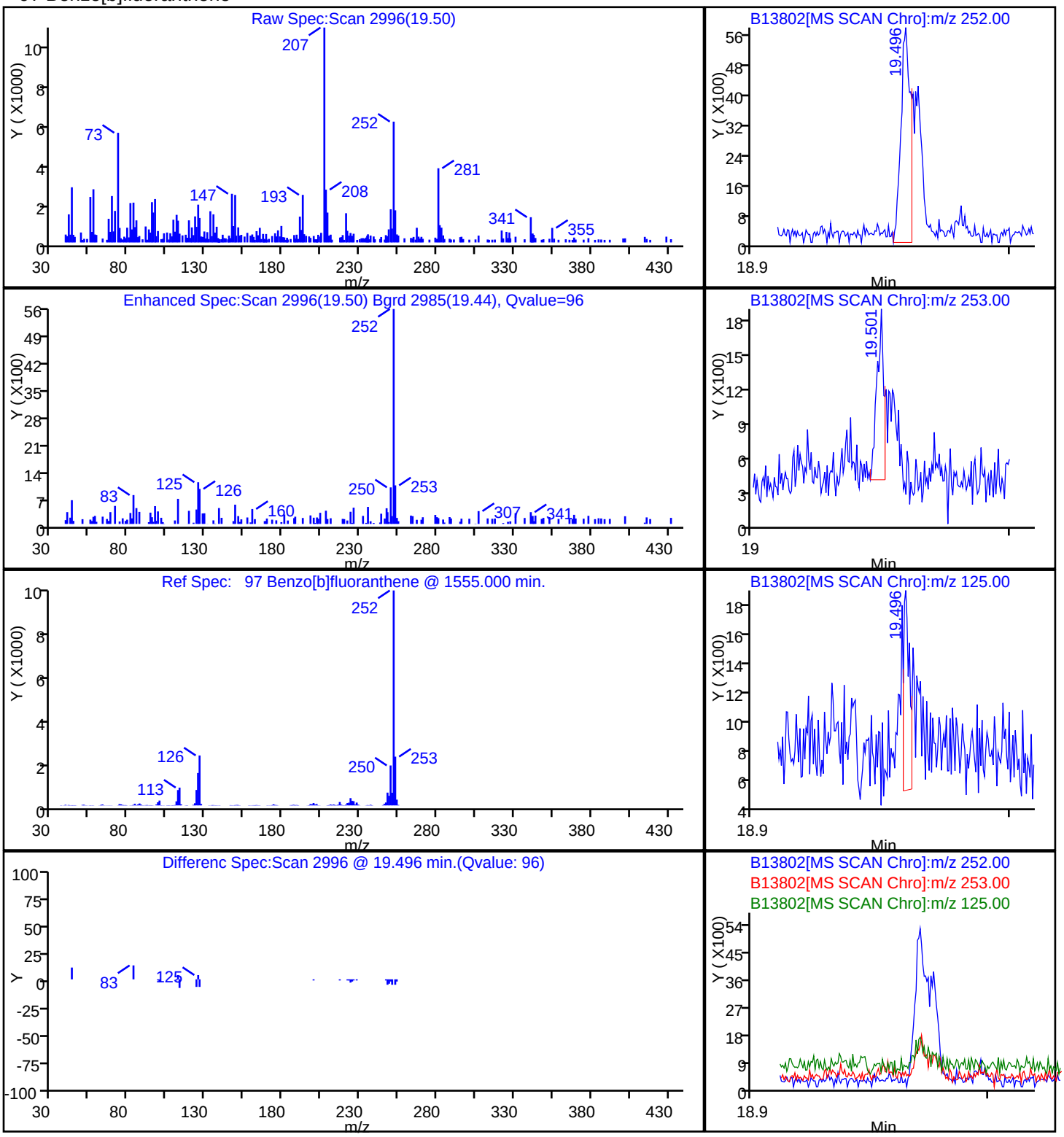


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

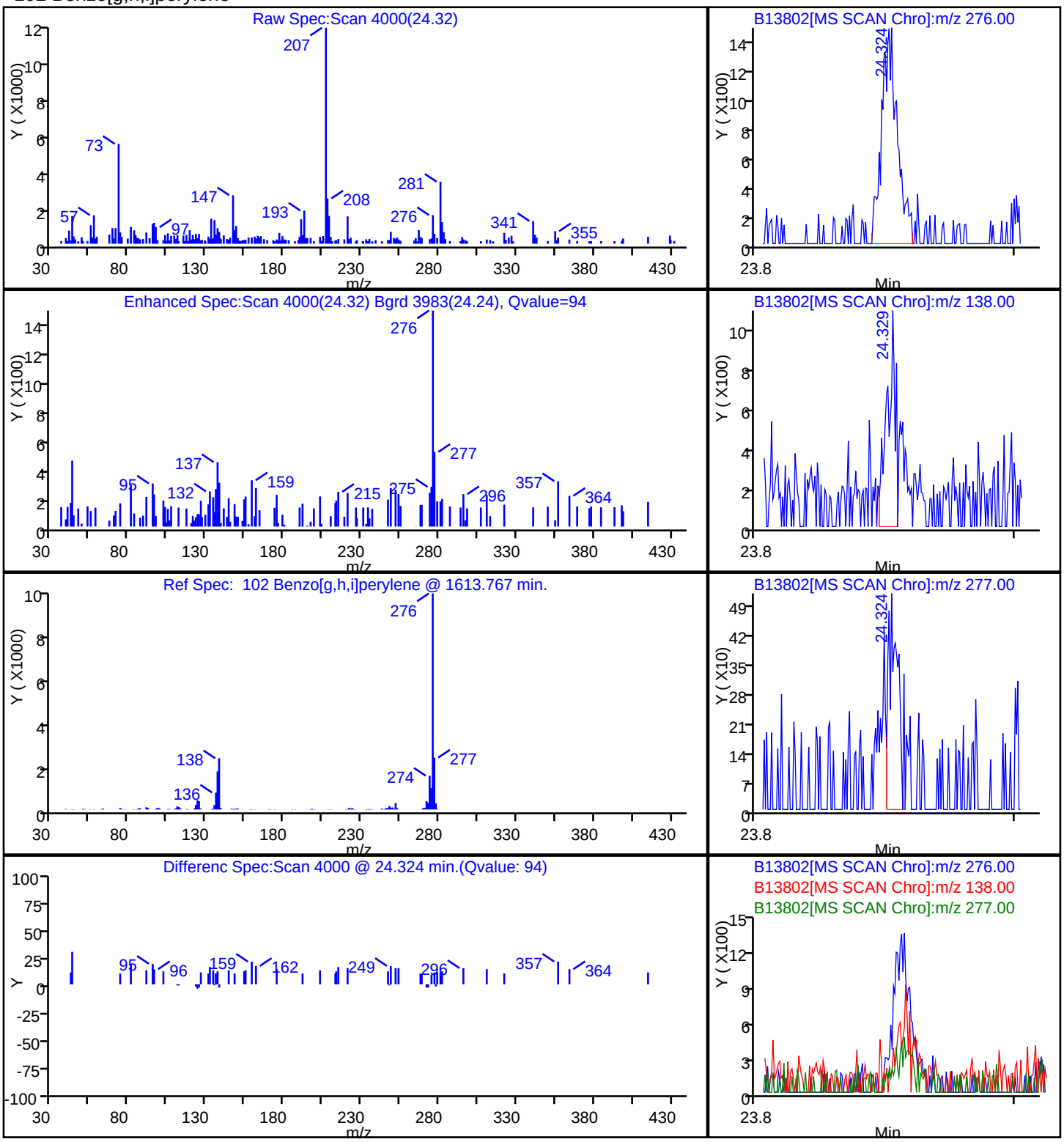


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene

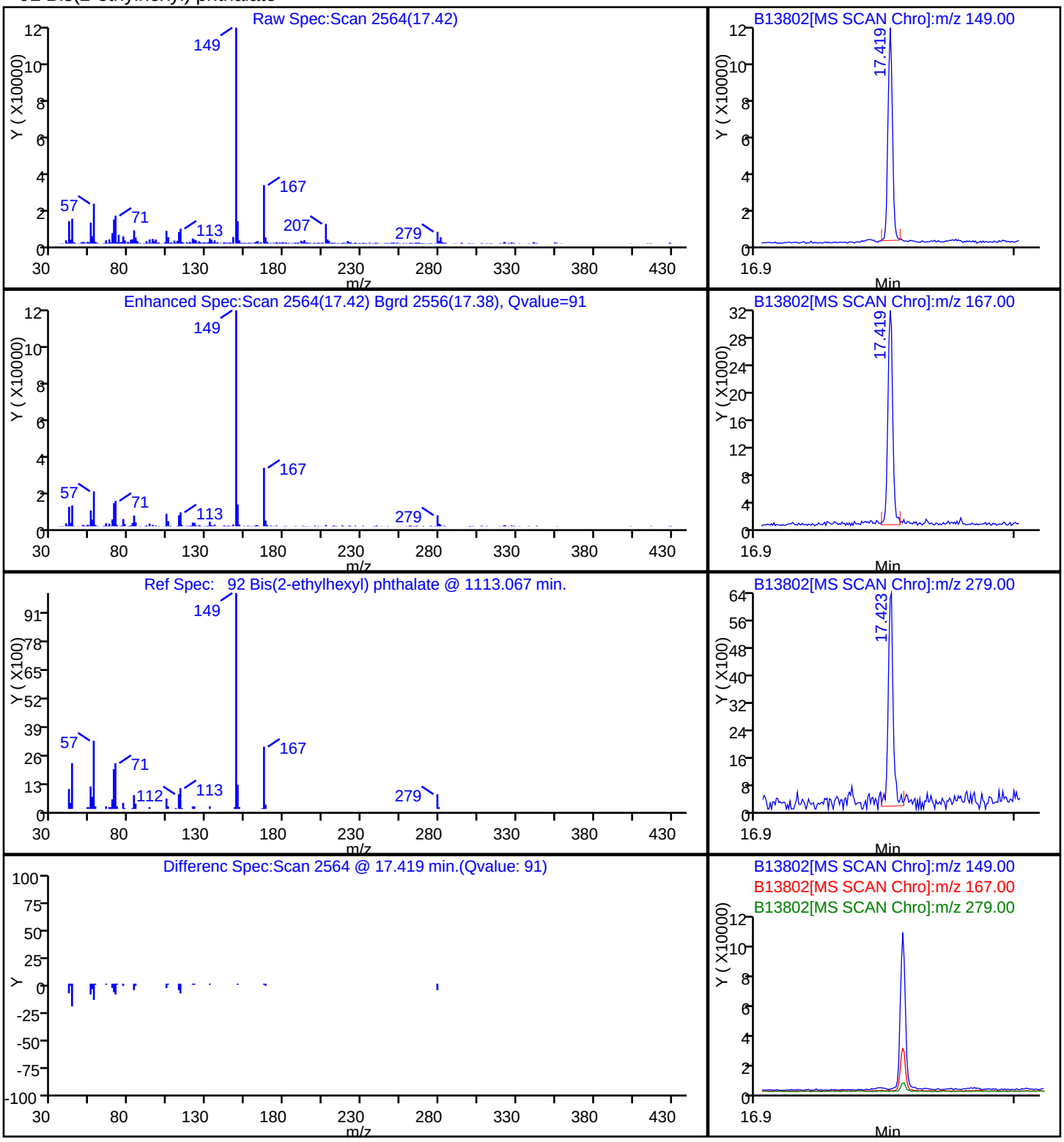


Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate

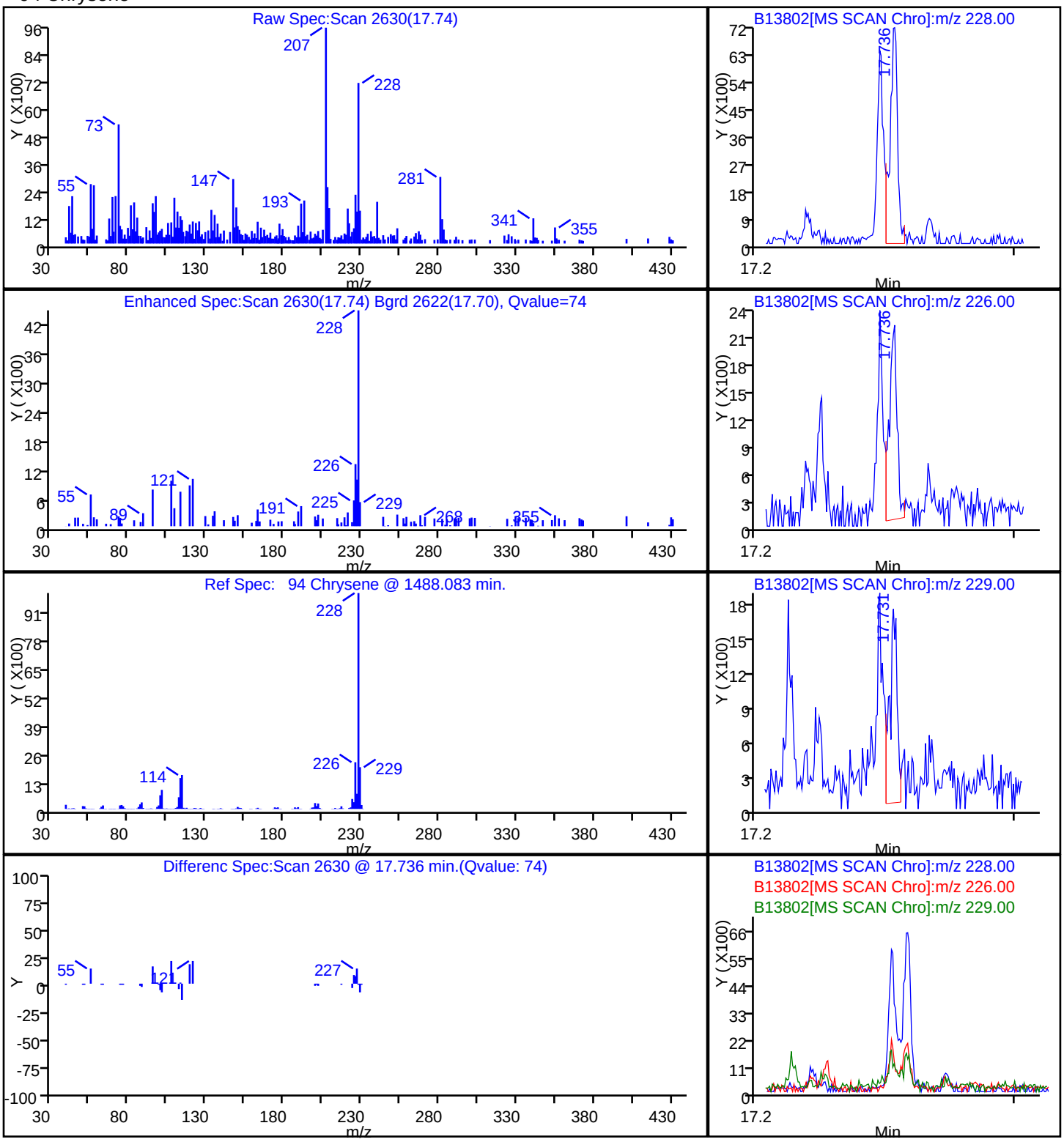


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

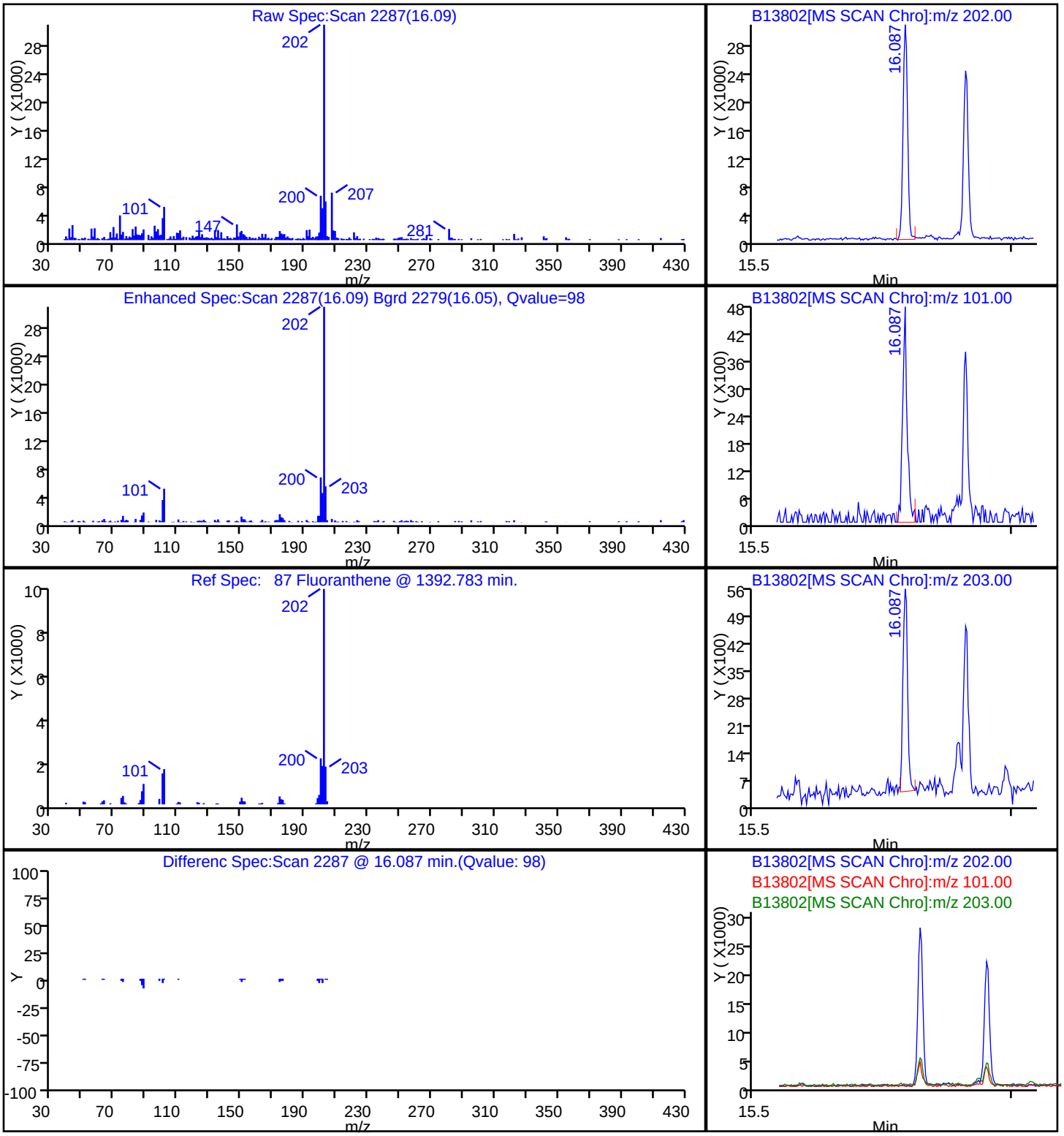


Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

87 Fluoranthene

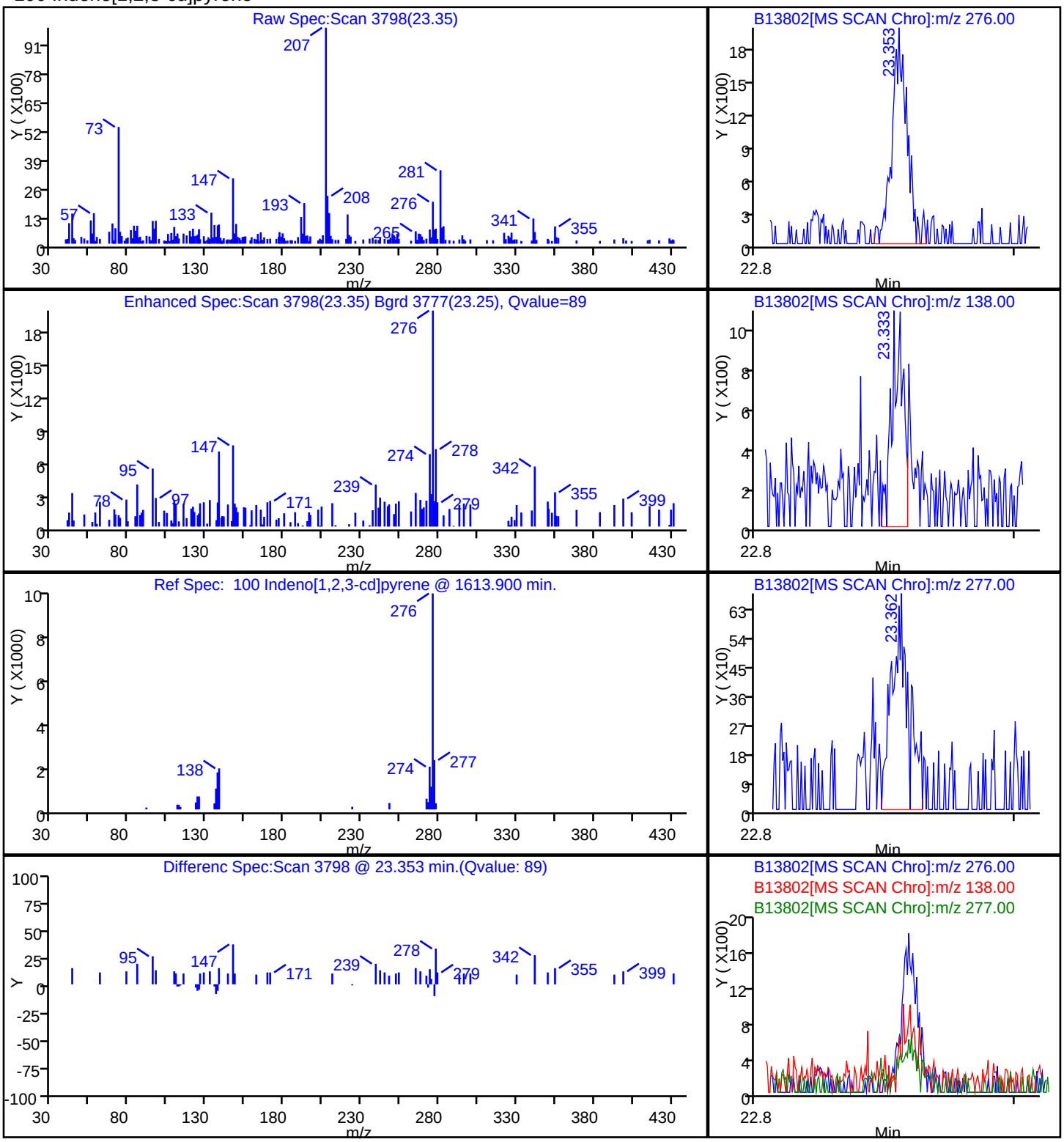


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

100 Indeno[1,2,3-cd]pyrene

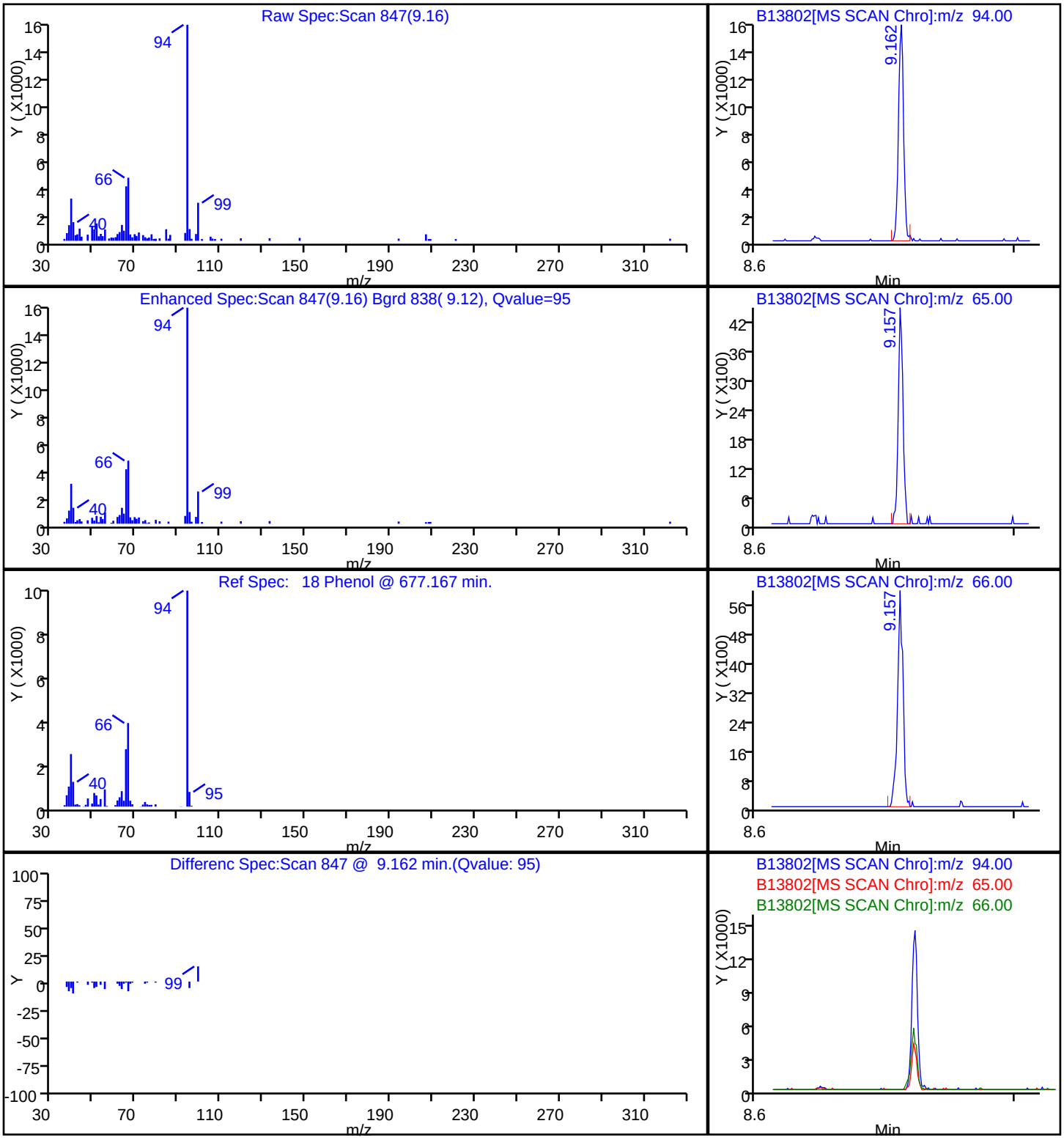


Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

18 Phenol

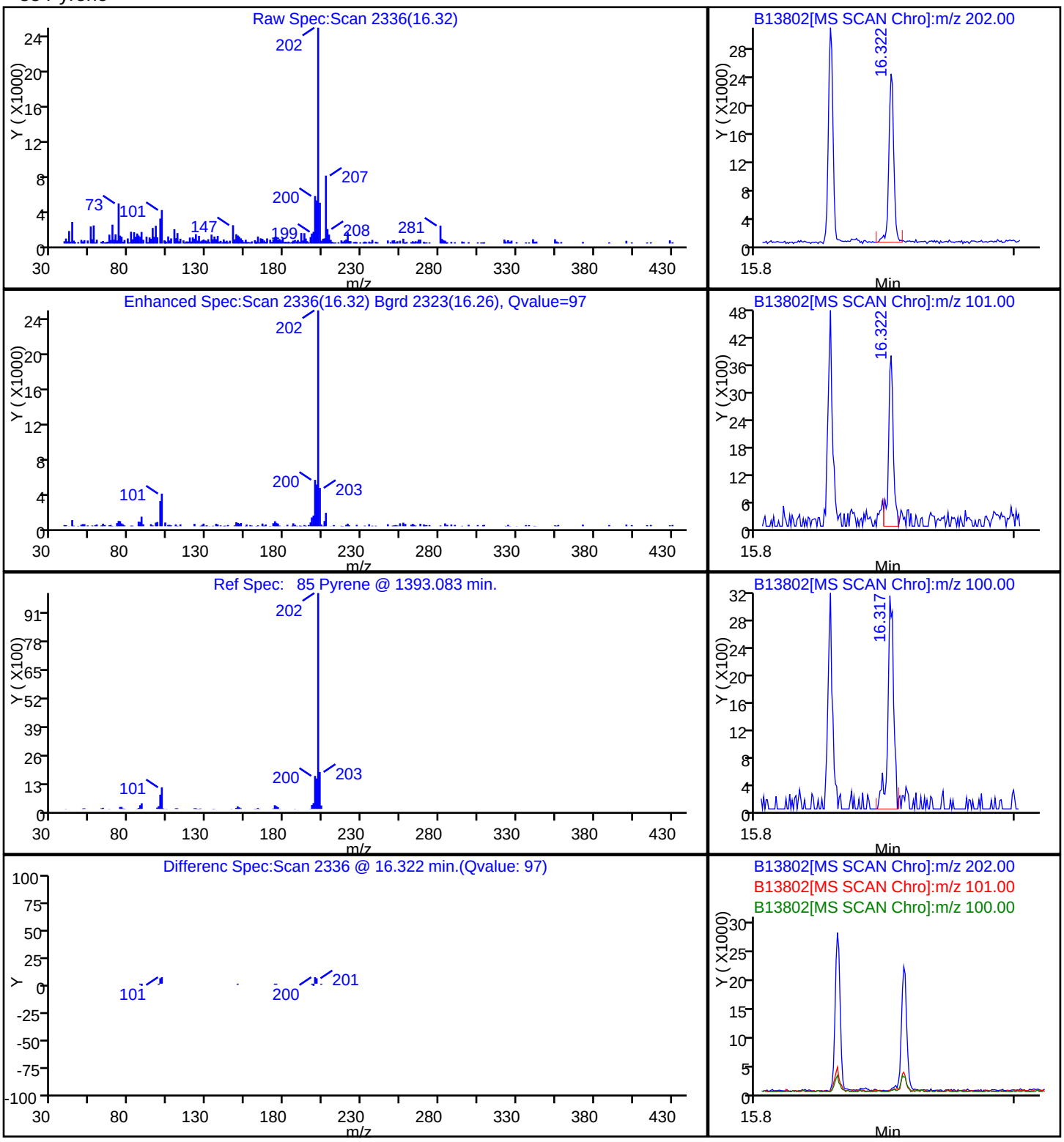


Report Date: 21-Dec-2010 15:26:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene



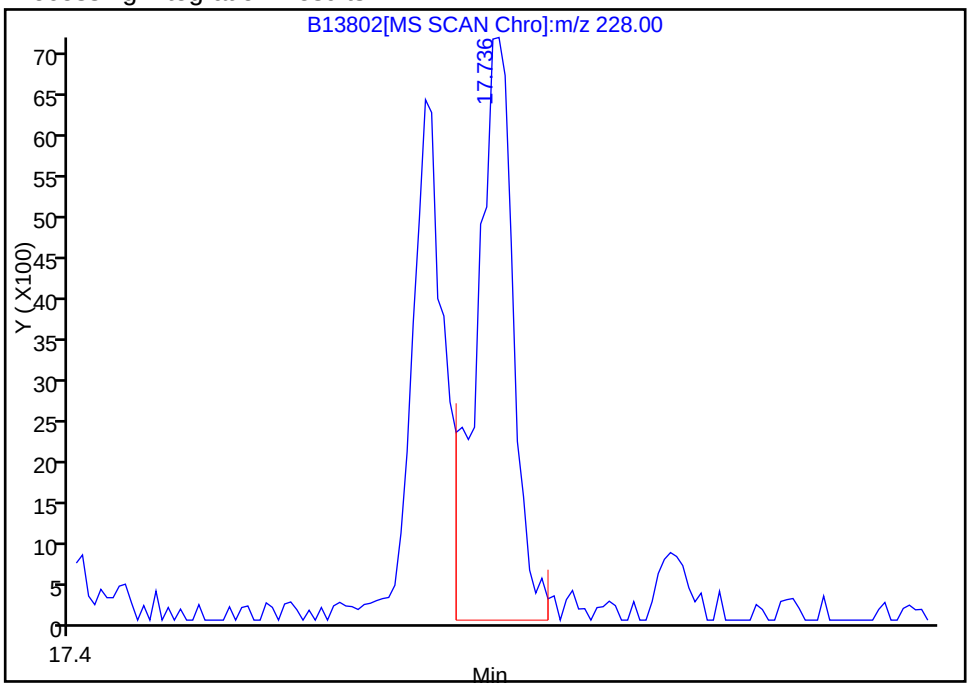
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D		
Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.67

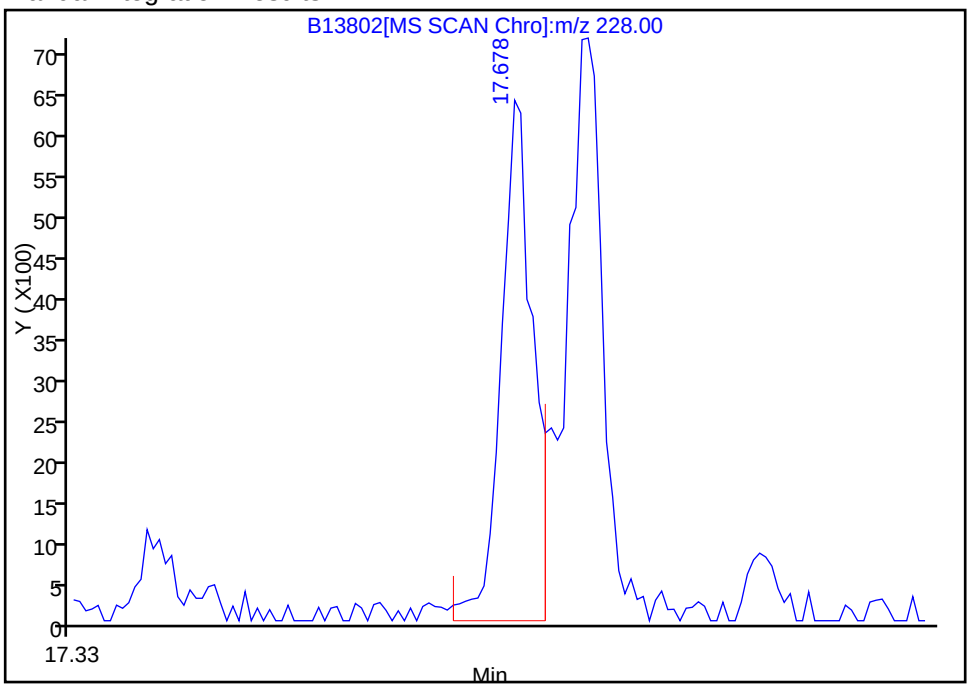
Processing Integration Results

RT: 17.74
Response: 14415
Amount: 0.325847



Manual Integration Results

RT: 17.68
Response: 11082
Amount: 0.254119



Reviewer: testerc, 21-Dec-2010 15:26:08
Audit Action: Assigned Compound ID
Audit Reason:

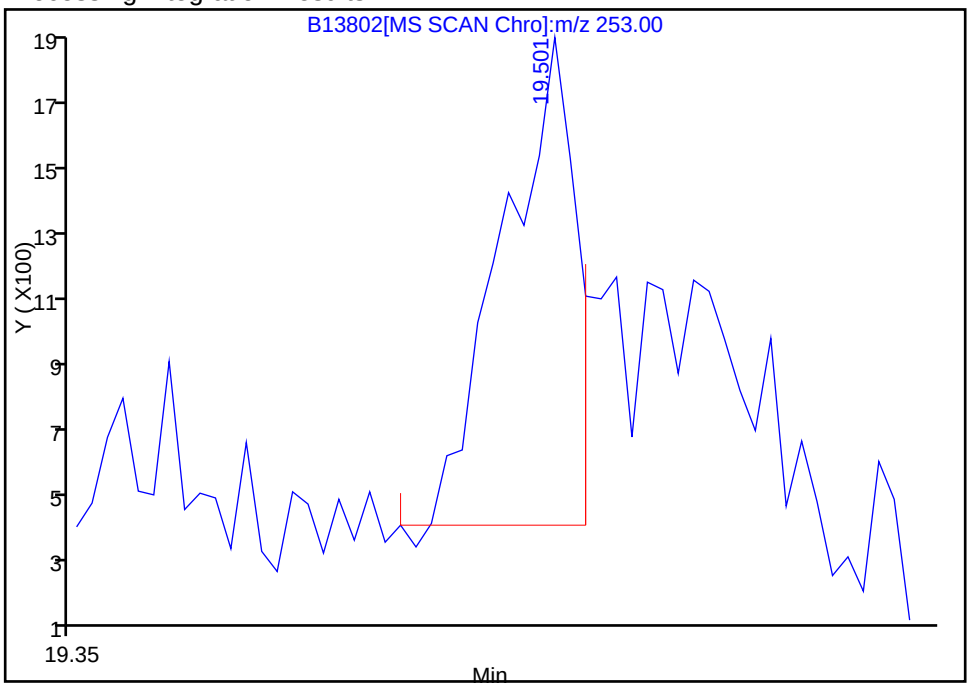
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D		
Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 2, m/z: 253.0 Type: qualifier, RT: 19.54

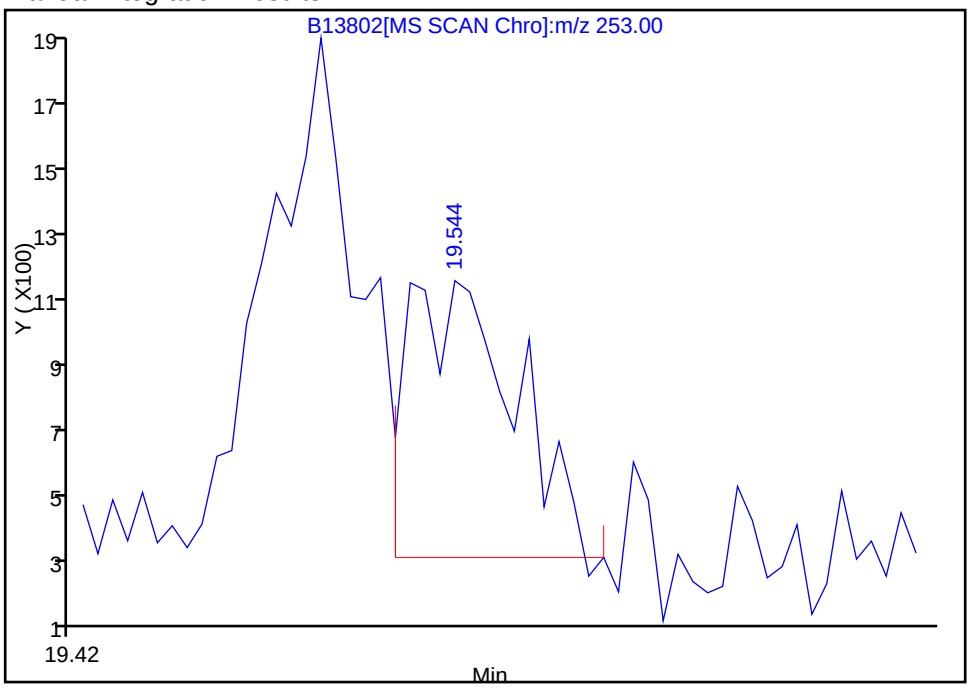
Processing Integration Results

RT: 19.50
Response: 2267
Amount: 0



Manual Integration Results

RT: 19.54
Response: 1966
Amount: 0



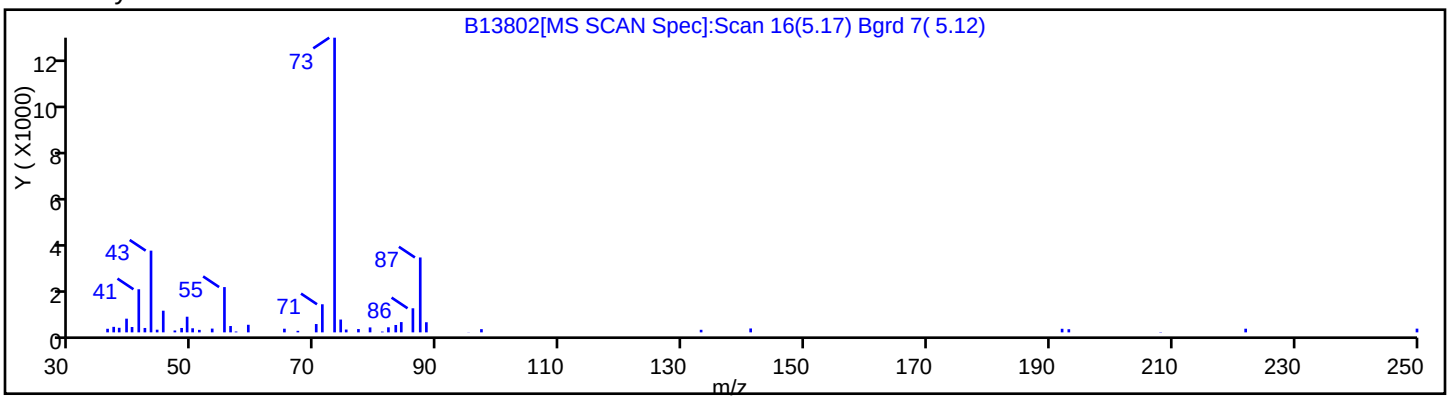
Reviewer: testerc, 21-Dec-2010 15:26:08
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

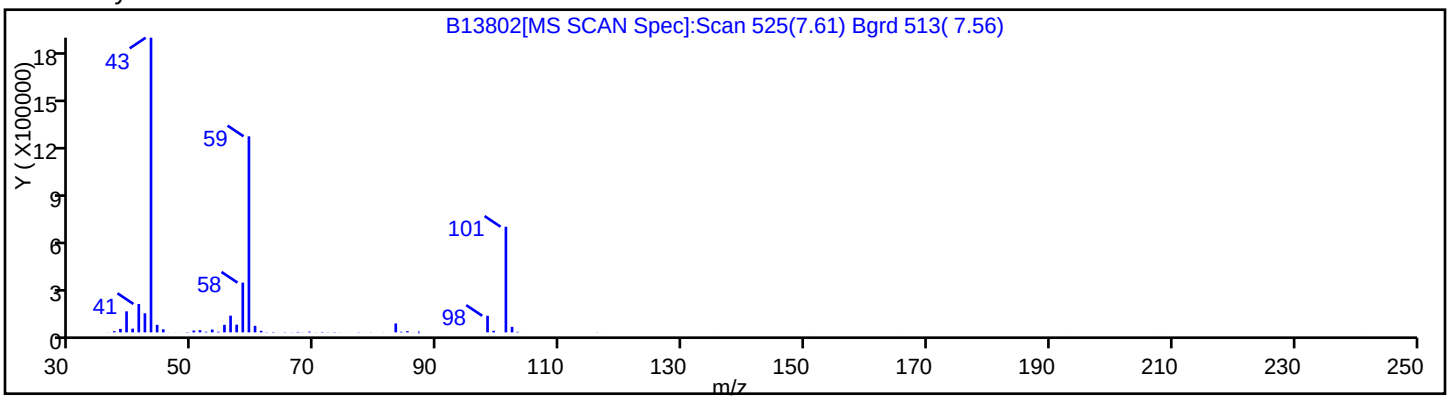


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

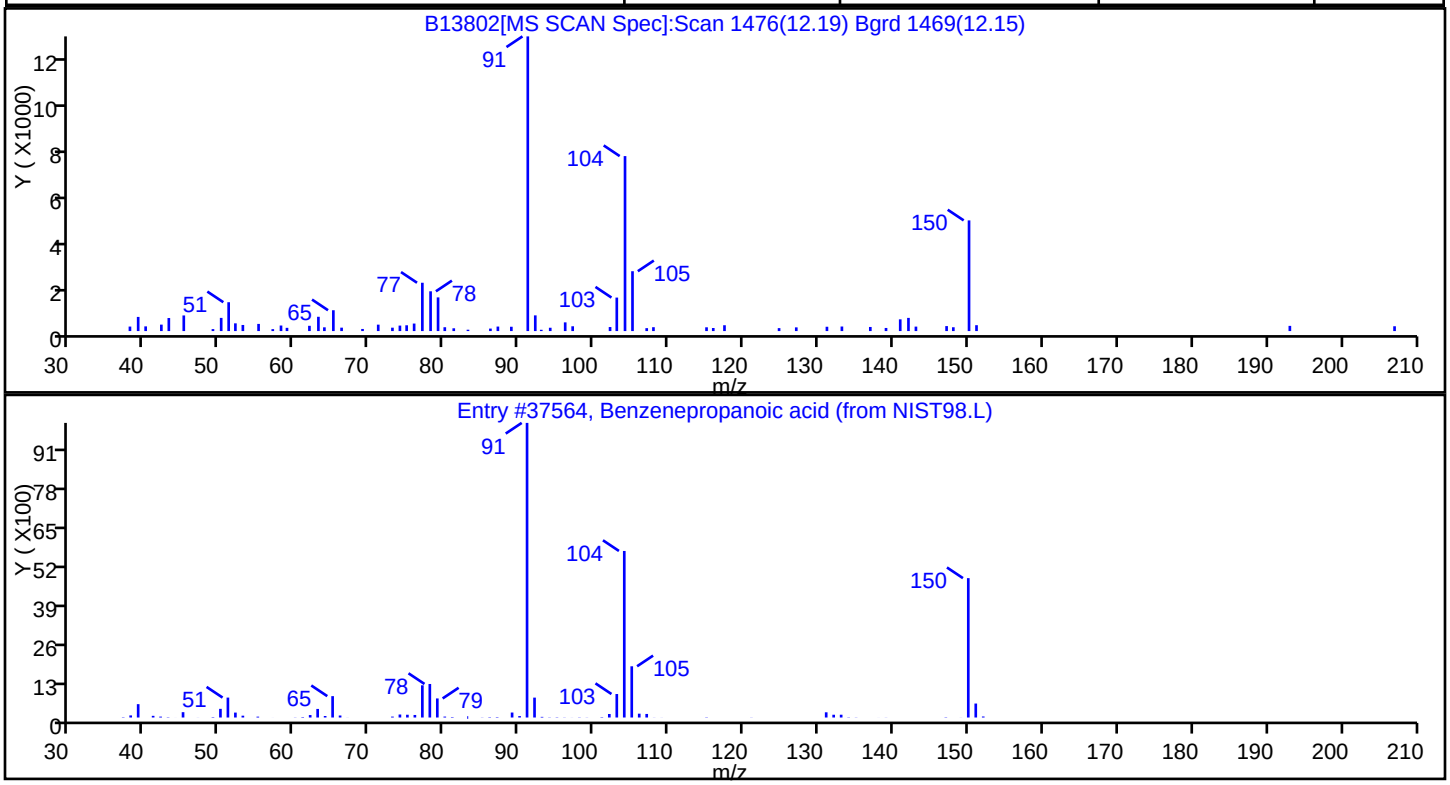
Injection Date: 21-Dec-2010 06:52:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP

Client ID: OC-SD-SDSW-E-XXX Instrument ID: Inst. B

Lims Batch ID: 67459 Lims Sample ID: 27

Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzenepropanoic acid	501-52-0	NIST98.L	37564	90

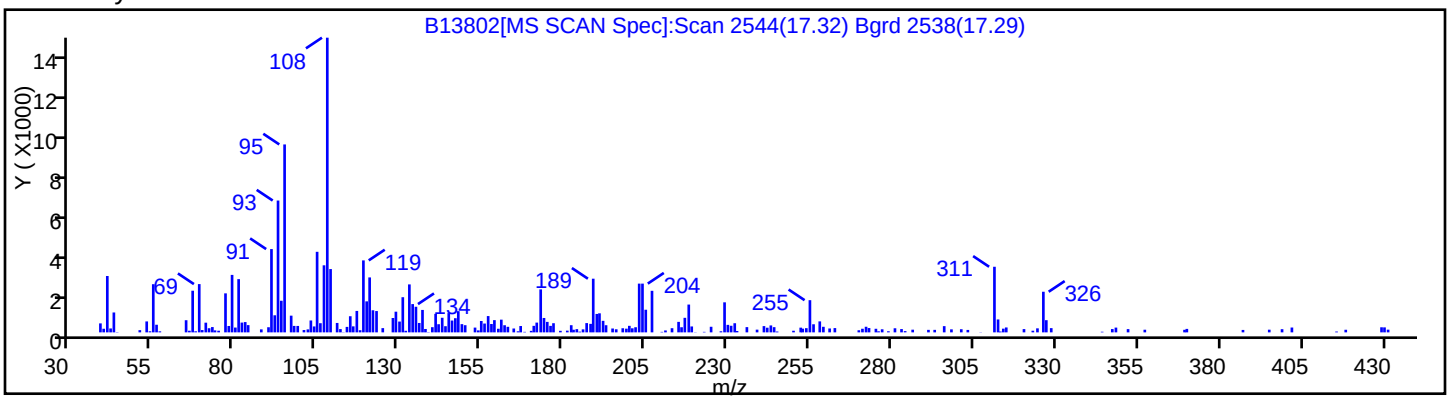


Report Date: 21-Dec-2010 15:26:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13802.D

Injection Date:	21-Dec-2010 06:52:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	27
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: B13820.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.76(g) | Date Analyzed: 12/22/2010 15:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		56	17
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		56	17
120-82-1	1,2,4-Trichlorobenzene	ND		56	17
95-50-1	1,2-Dichlorobenzene	ND		56	17
541-73-1	1,3-Dichlorobenzene	ND		56	17
106-46-7	1,4-Dichlorobenzene	ND		56	17
90-12-0	1-Methylnaphthalene	ND		56	17
62-75-9	N-Nitrosodimethylamine	ND		56	20
108-60-1	2,2'-oxybis[1-chloropropane]	ND		56	17
58-90-2	2,3,4,6-Tetrachlorophenol	ND		56	17
95-95-4	2,4,5-Trichlorophenol	ND		56	17
88-06-2	2,4,6-Trichlorophenol	ND		56	17
120-83-2	2,4-Dichlorophenol	ND		56	17
105-67-9	2,4-Dimethylphenol	ND		56	22
51-28-5	2,4-Dinitrophenol	ND		56	17
121-14-2	2,4-Dinitrotoluene	ND		56	17
606-20-2	2,6-Dinitrotoluene	ND		56	17
91-58-7	2-Chloronaphthalene	ND		56	17
95-57-8	2-Chlorophenol	ND		56	17
91-57-6	2-Methylnaphthalene	ND		56	17
95-48-7	2-Methylphenol	ND		56	34
88-74-4	2-Nitroaniline	ND		280	17
88-75-5	2-Nitrophenol	ND		56	17
15831-10-4	3 & 4 Methylphenol	ND		56	17
91-94-1	3,3'-Dichlorobenzidine	ND		110	17
99-09-2	3-Nitroaniline	ND		280	17
534-52-1	4,6-Dinitro-2-methylphenol	ND		280	17
101-55-3	4-Bromophenyl phenyl ether	ND		56	17
59-50-7	4-Chloro-3-methylphenol	ND		110	17
106-47-8	4-Chloroaniline	ND		110	17
7005-72-3	4-Chlorophenyl phenyl ether	ND		56	17
100-01-6	4-Nitroaniline	ND		280	17
100-02-7	4-Nitrophenol	ND		280	17
83-32-9	Acenaphthene	ND		56	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: B13820.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.76(g) | Date Analyzed: 12/22/2010 15:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		56	17
98-86-2	Acetophenone	ND		56	17
62-53-3	Aniline	ND		56	17
120-12-7	Anthracene	ND		56	17
1912-24-9	Atrazine	ND		56	17
103-33-3	Azobenzene	ND		56	17
100-52-7	Benzaldehyde	ND		56	17
56-55-3	Benzo[a]anthracene	170		56	17
50-32-8	Benzo[a]pyrene	200		56	17
205-99-2	Benzo[b]fluoranthene	300		56	17
191-24-2	Benzo[g,h,i]perylene	120		56	17
207-08-9	Benzo[k]fluoranthene	180		56	17
65-85-0	Benzoic acid	54	J	280	25
119-61-9	Benzophenone	28	J	56	17
100-51-6	Benzyl alcohol	ND		110	48
111-91-1	Bis(2-chloroethoxy)methane	ND		56	17
111-44-4	Bis(2-chloroethyl)ether	ND		56	17
117-81-7	Bis(2-ethylhexyl) phthalate	110		56	17
85-68-7	Butyl benzyl phthalate	ND		56	17
105-60-2	Caprolactam	ND		56	17
86-74-8	Carbazole	39	J	56	17
218-01-9	Chrysene	250		56	17
53-70-3	Dibenz(a,h)anthracene	35	J	56	17
132-64-9	Dibenzofuran	ND		56	17
84-66-2	Diethyl phthalate	ND		56	17
131-11-3	Dimethyl phthalate	ND		56	17
84-74-2	Di-n-butyl phthalate	ND		56	49
117-84-0	Di-n-octyl phthalate	ND		56	28
206-44-0	Fluoranthene	440		56	17
86-73-7	Fluorene	ND		56	17
118-74-1	Hexachlorobenzene	ND		56	17
87-68-3	Hexachlorobutadiene	ND		56	17
77-47-4	Hexachlorocyclopentadiene	ND		110	17
67-72-1	Hexachloroethane	ND		56	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: B13820.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.76(g) | Date Analyzed: 12/22/2010 15:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	120		56	17
78-59-1	Isophorone	ND		56	17
91-20-3	Naphthalene	ND		130	17
98-95-3	Nitrobenzene	ND		56	17
621-64-7	N-Nitrosodi-n-propylamine	ND		56	17
86-30-6	N-Nitrosodiphenylamine	98		56	17
87-86-5	Pentachlorophenol	ND		56	17
85-01-8	Phenanthrene	120		67	17
108-95-2	Phenol	ND		56	17
101-84-8	Diphenyl oxide	94		56	17
129-00-0	Pyrene	420		56	17
62-75-9	N-Nitrosodimethylamine	ND		56	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	62		30-130
4165-62-2	Phenol-d5	67		30-130
4165-60-0	Nitrobenzene-d5	70		30-130
118-79-6	2,4,6-Tribromophenol	65		30-130
1718-51-0	Terphenyl-d14	58		30-130
321-60-8	2-Fluorobiphenyl	53		30-130
118-79-6	2,4,6-Tribromophenol	65		30-130
321-60-8	2-Fluorobiphenyl	53		30-130
367-12-4	2-Fluorophenol	62		30-130
4165-60-0	Nitrobenzene-d5	70		30-130
4165-62-2	Phenol-d5	67		30-130
1718-51-0	Terphenyl-d14	58		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX | Lab Sample ID: 360-31465-9

Matrix: Solid | Lab File ID: B13820.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:15

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.76(g) | Date Analyzed: 12/22/2010 15:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67515 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 14180

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.63	6400	T J
	Unknown	14.25	520	T J
	Unknown	14.31	680	T J
	Unknown	14.33	1100	T J
25154-52-3	Phenol, nonyl-	14.37	730	T J N
	Unknown	14.42	500	T J
	Unknown	14.45	890	T J
	Unknown	14.49	1400	T J
	Unknown	14.52	1300	T J
	Unknown	14.57	660	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D
Lims ID: 360-31465-A-9-D Client ID: OC-SD-OPWD-1-XXX
Inject. Date: 22-Dec-2010 15:41:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 31465-A-9-D RR
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 13
Lims Batch ID: 67515 Lims Sample ID: 24
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m
Last Update: 23-Dec-2010 07:36:41 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 23-Dec-2010 08:16:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.631	9.613	0.018	90	181205	4.00	
* 2 Naphthalene-d8	136	11.227	11.224	0.003	99	690313	4.00	
* 3 Acenaphthene-d10	164	13.348	13.345	0.003	92	408652	4.00	
* 4 Phenanthrene-d10	188	14.882	14.879	0.003	95	725496	4.00	
* 5 Chrysene-d12	240	17.594	17.586	0.008	97	526667	4.00	
* 6 Perylene-d12	264	20.172	20.159	0.013	94	276908	4.00	
$ 7 2-Fluorophenol	112	7.991	7.940	0.051	83	269584	6.20	
$ 8 Phenol-d5	99	9.097	9.079	0.018	86	270582	6.71	
$ 9 Nitrobenzene-d5	82	10.309	10.301	0.008	80	124715	3.49	
$ 10 2-Fluorobiphenyl	172	12.530	12.527	0.003	99	286294	2.64	
$ 11 2,4,6-Tribromophenol	330	14.180	14.177	0.003	77	77897	6.52	
$ 12 Terphenyl-d14	244	16.305	16.302	0.003	97	234469	2.92	
28 3 & 4 Methylphenol	107	10.054	10.041	0.013	79	4839	0.1325	
36 Benzoic acid	105	10.761	10.758	0.003	72	4257	0.9665	
39 1,2,4-Trichlorobenzene	180	11.145	11.138	0.007	91	8468	0.1919	
41 Naphthalene	128	11.256	11.253	0.003	97	27648	0.2098	
46 2-Methylnaphthalene	142	12.117	12.114	0.003	97	4778	0.0581	
52 1,1'-Biphenyl	154	12.660	12.657	0.003	90	12714	0.1168	
54 Phenyl ether	170	12.771	12.768	0.003	90	95135	1.67	
58 Acenaphthylene	152	13.194	13.191	0.003	95	18553	0.1396	
61 Acenaphthene	153	13.382	13.378	0.004	68	8323	0.0894	
64 Dibenzofuran	168	13.564	13.561	0.003	90	12182	0.1109	
67 4-Chlorophenyl phenyl ether	204	13.891	13.888	0.003	75	4280	0.1008	
69 Fluorene	166	13.930	13.927	0.003	52	8545	0.1555	
72 N-Nitrosodiphenylamine	169	14.007	14.004	0.003	52	125752	1.74	
13 Benzophenone	105	14.074	14.066	0.008	32	44876	0.5041	
80 Phenanthrene	178	14.906	14.898	0.008	97	300861	2.16	
81 Anthracene	178	14.954	14.951	0.003	96	33854	0.2526	
82 DFTPP	198	14.911	15.007	-0.096	0	1760	0	
83 Carbazole	167	15.084	15.076	0.008	81	71472	0.7001	
84 Di-n-butyl phthalate	149	15.295	15.297	-0.002	99	37421	0.2063	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.017	16.009	0.008	98	1095231	7.76	
85 Pyrene	202	16.248	16.245	0.003	98	932482	7.51	
92 Bis(2-ethylhexyl) phthalate	149	17.320	17.317	0.003	90	170968	1.94	
93 Benzo[a]anthracene	228	17.575	17.567	0.008	99	306167	3.03	
94 Chrysene	228	17.628	17.625	0.003	96	442679	4.51	
97 Benzo[b]fluoranthene	252	19.344	19.344	0.017	98	378018	5.27	M
98 Benzo[k]fluoranthene	252	19.369	19.369	-0.012	99	218568	3.15	M
99 Benzo[a]pyrene	252	20.051	20.039	0.012	73	203380	3.51	
101 Dibenz(a,h)anthracene	278	23.086	23.068	0.018	15	24238	0.6229	
100 Indeno[1,2,3-cd]pyrene	276	23.086	23.073	0.013	96	96779	2.09	
102 Benzo[g,h,i]perylene	276	24.019	23.996	0.023	96	83306	2.10	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D		
Lims ID:	360-31465-A-9-D	Client ID:	OC-SD-OPWD-1-XXX
Inject. Date:	22-Dec-2010 15:41:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	31465-A-9-D RR		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	13
Lims Batch ID:	67515	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:36:41	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 08:16:59

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
7.625	27930411	113.9	1			
	Unknown					
14.247	5173372	9.30	4			
	Unknown					
14.305	6740913	12.1	4			
	Unknown					
14.329	10867649	19.5	4			
25154-52-3	Phenol, nonyl-					
14.367	7206013	12.9	4	94	122334	
	Unknown					
14.415	4936398	8.87	4			
	Unknown					
14.454	8801804	15.8	4			
	Unknown					
14.488	13896220	25.0	4			
	Unknown					
14.516	13149379	23.6	4			
	Unknown					
14.565	6514069	11.7	4			

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.631	980464	4.00
* 4 Phenanthrene-d10	14.882	2226261	4.00

QC Flag Legend

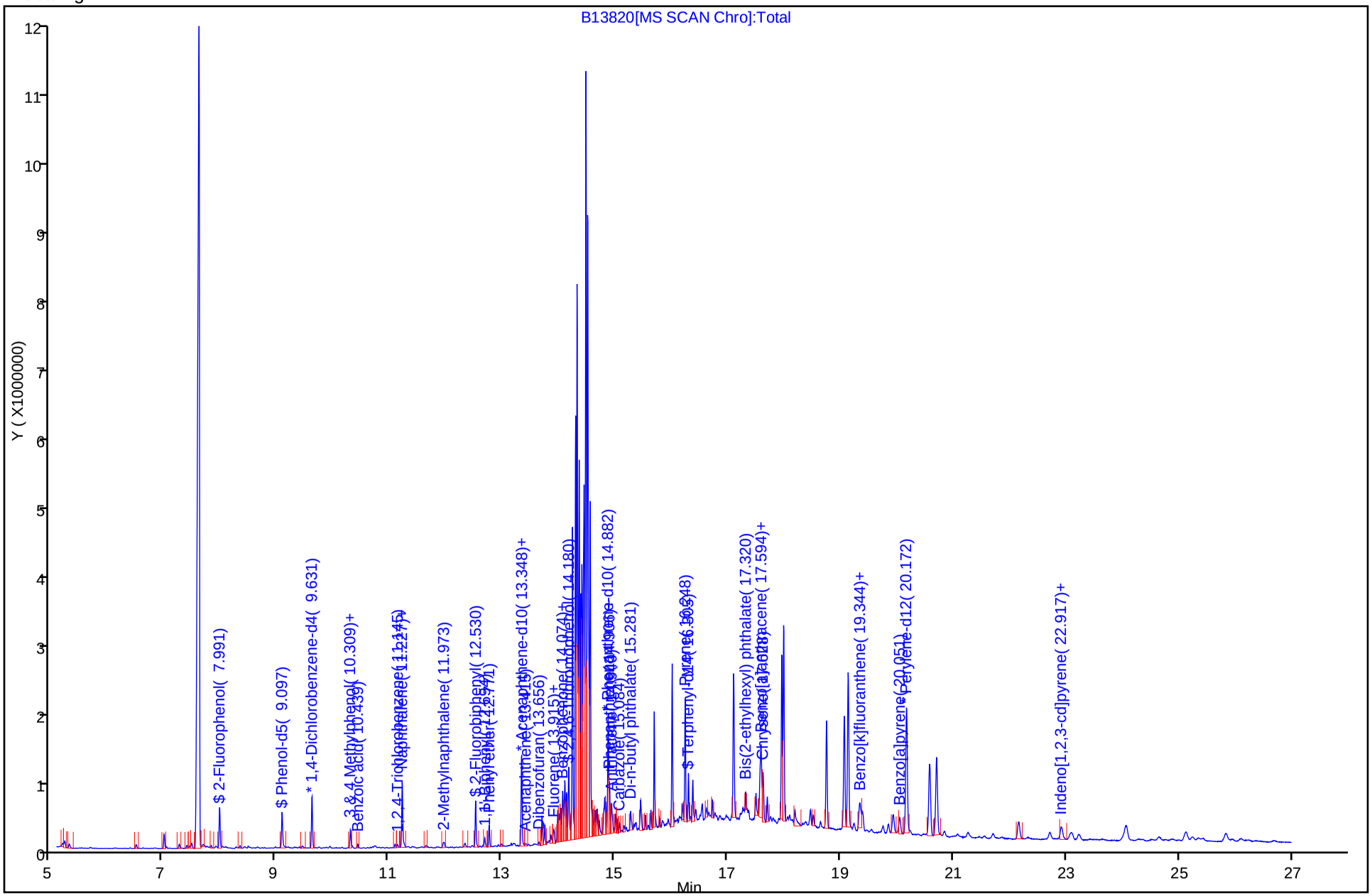
Processing Flags

Report Date: 23-Dec-2010 08:17:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

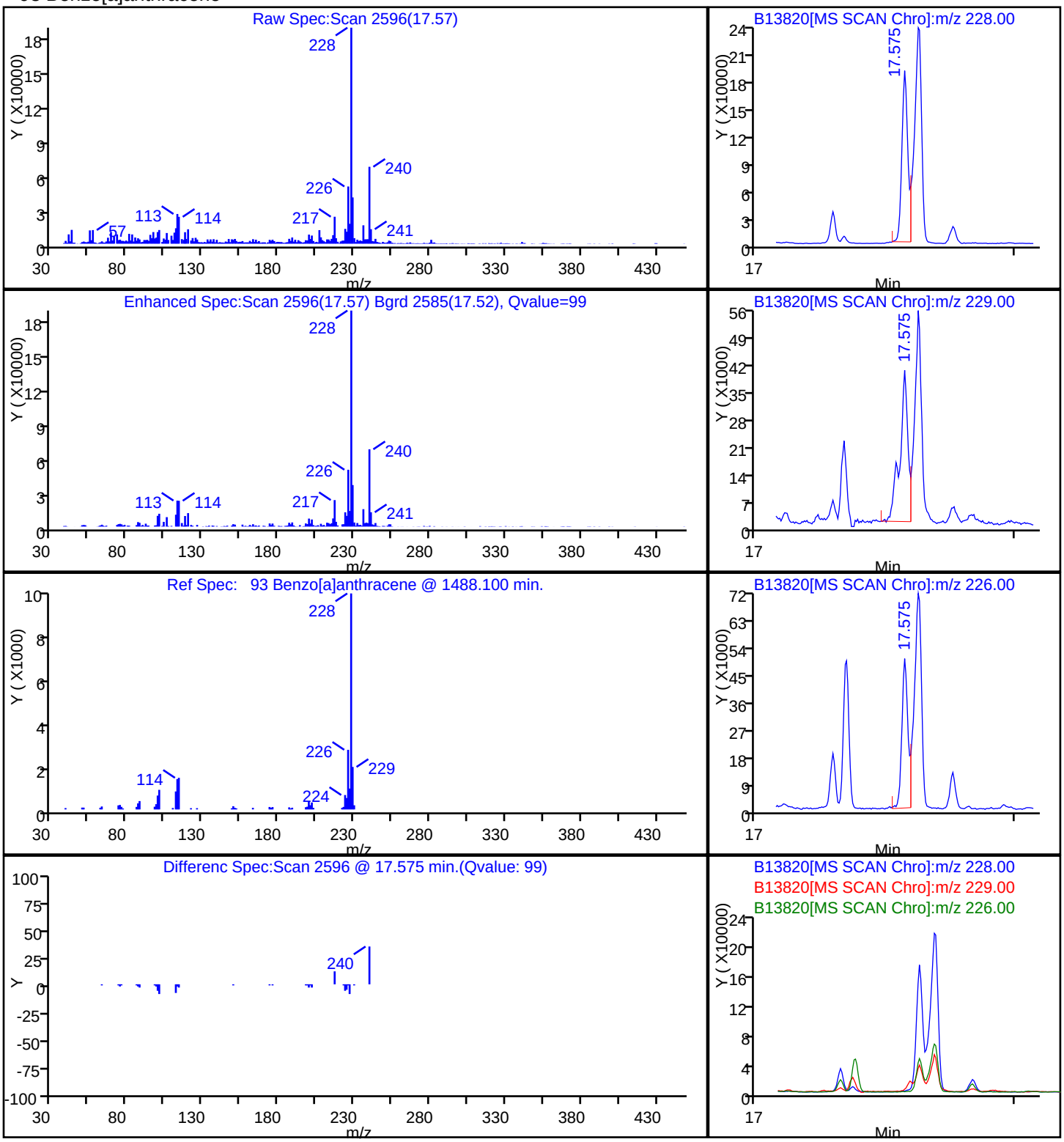


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene

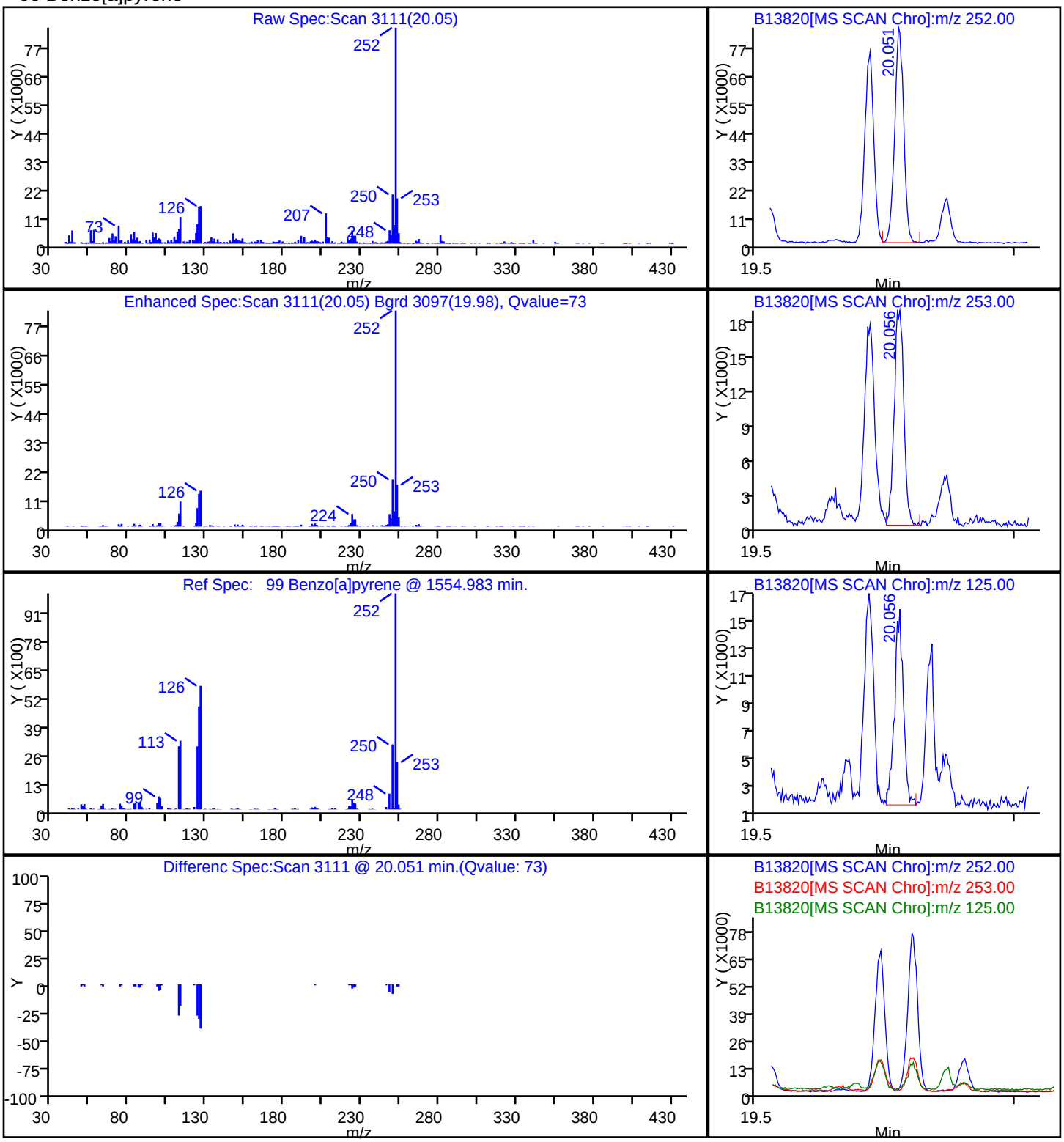


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

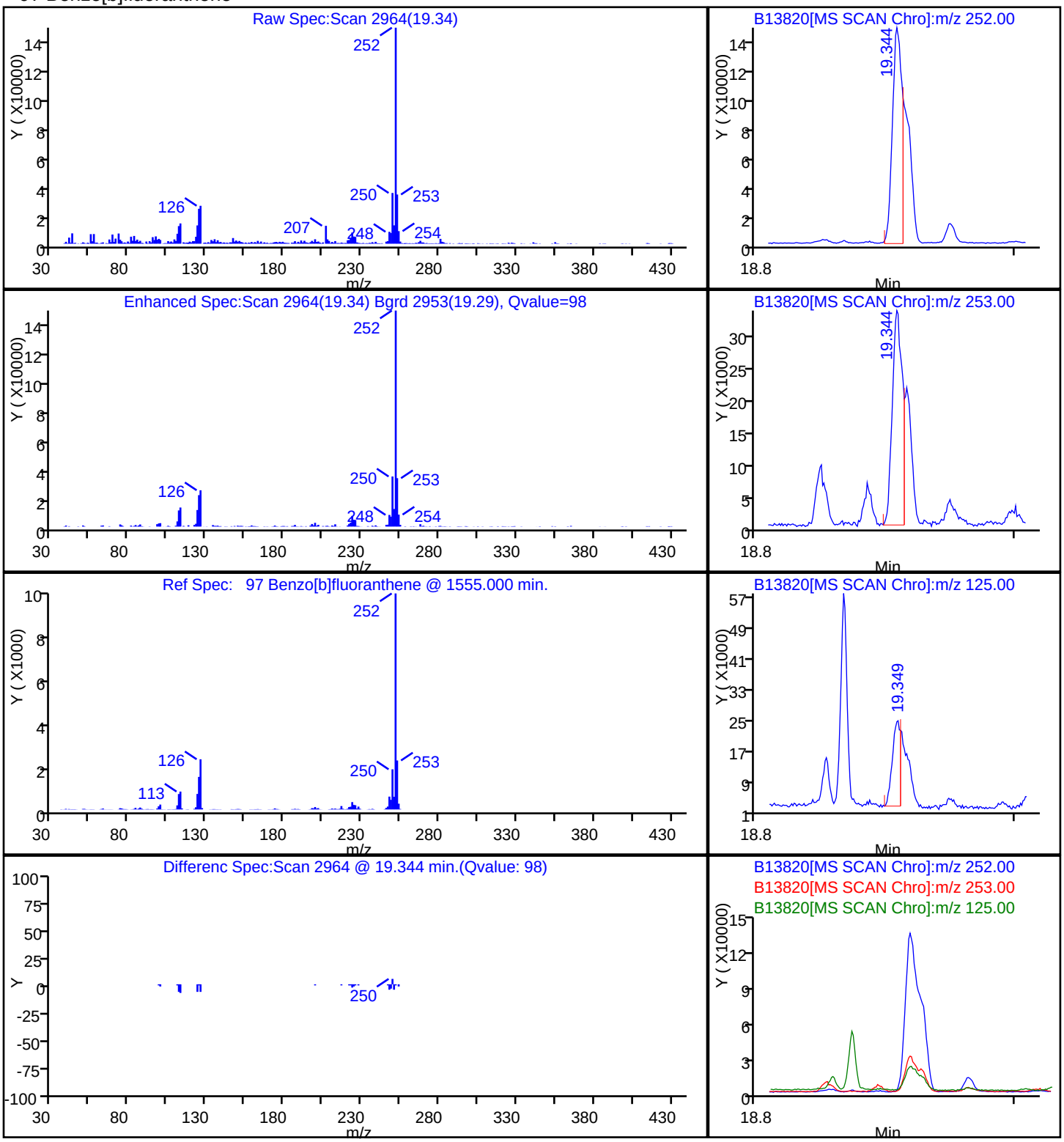


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

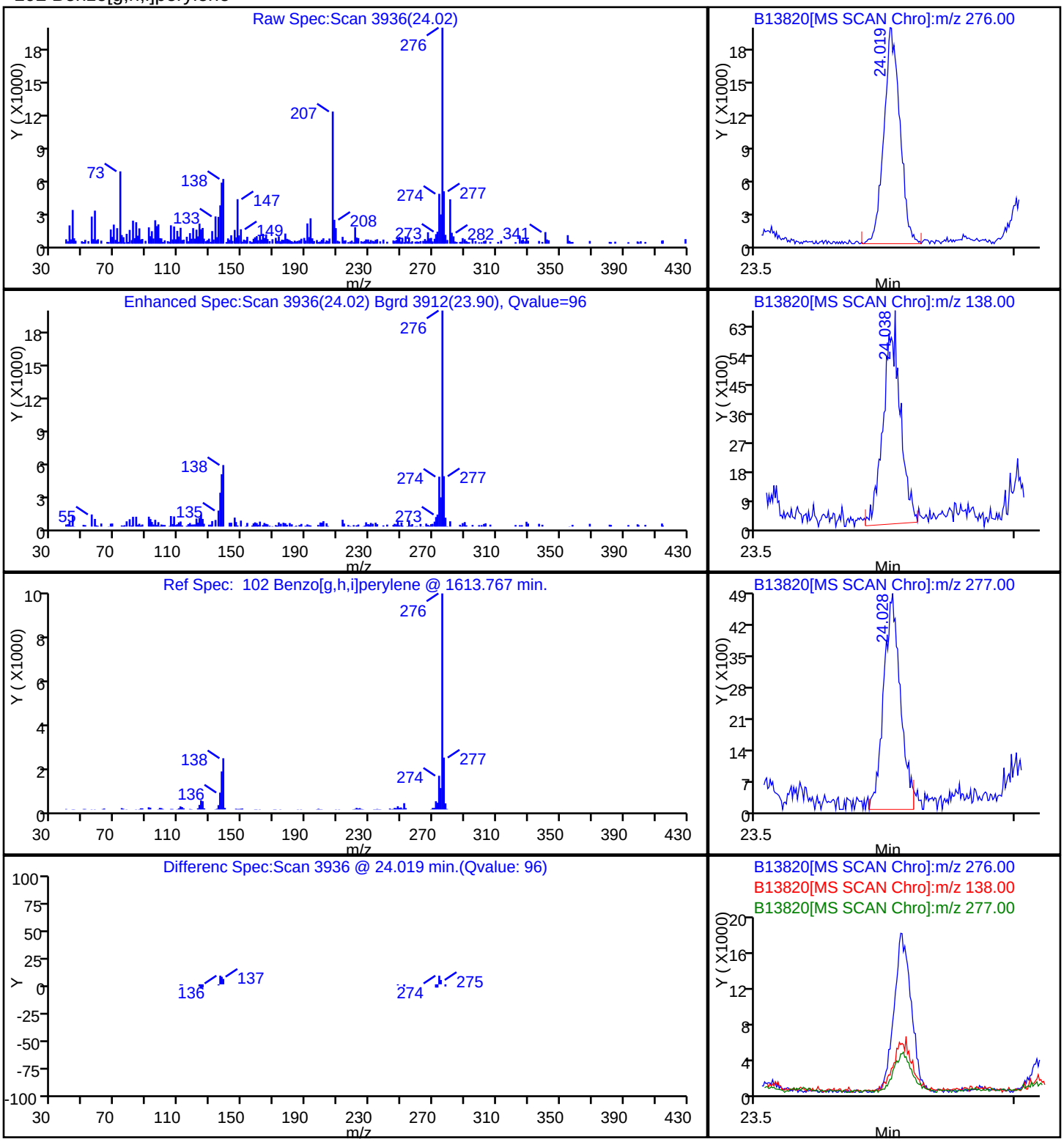


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene

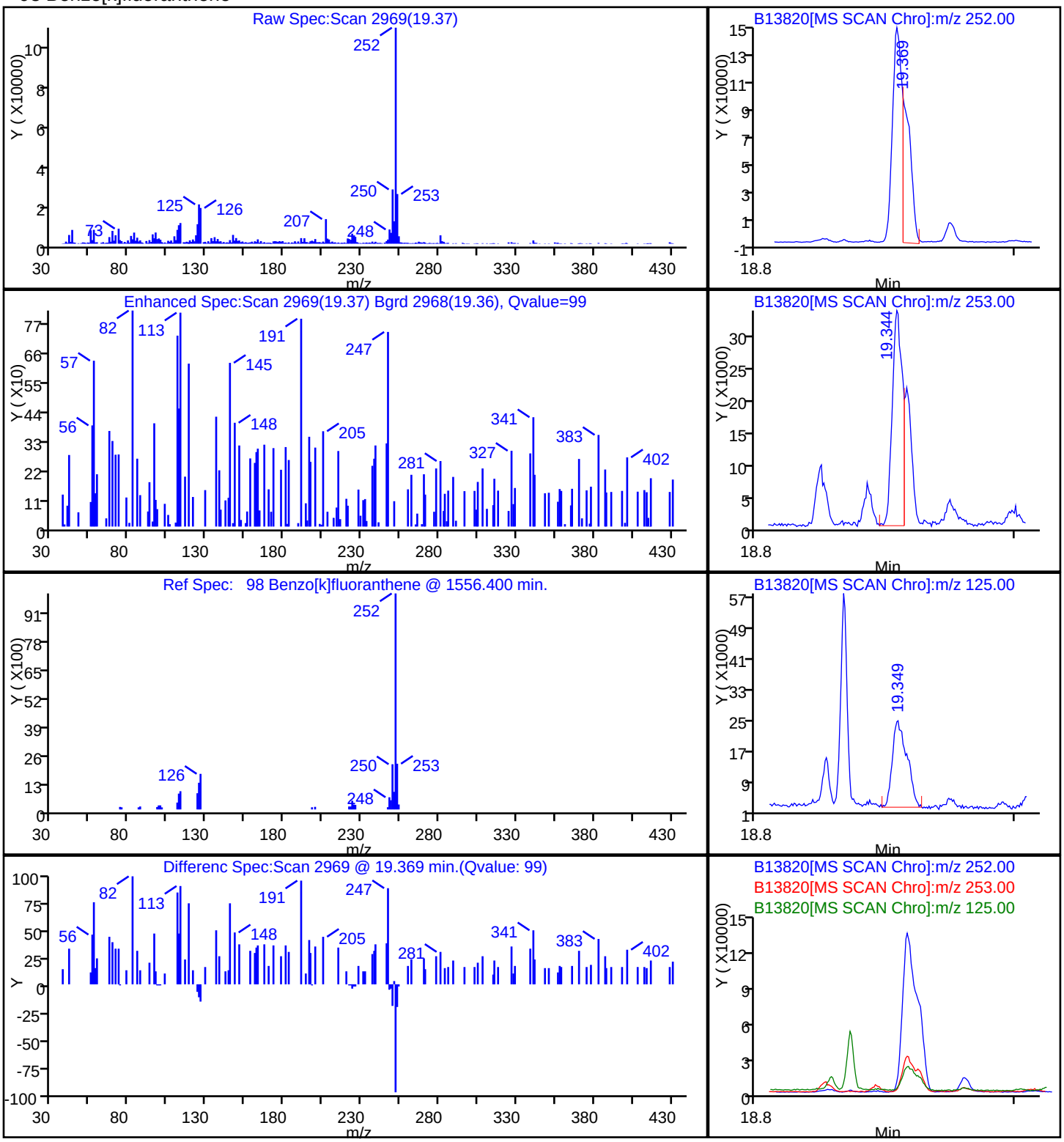


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene

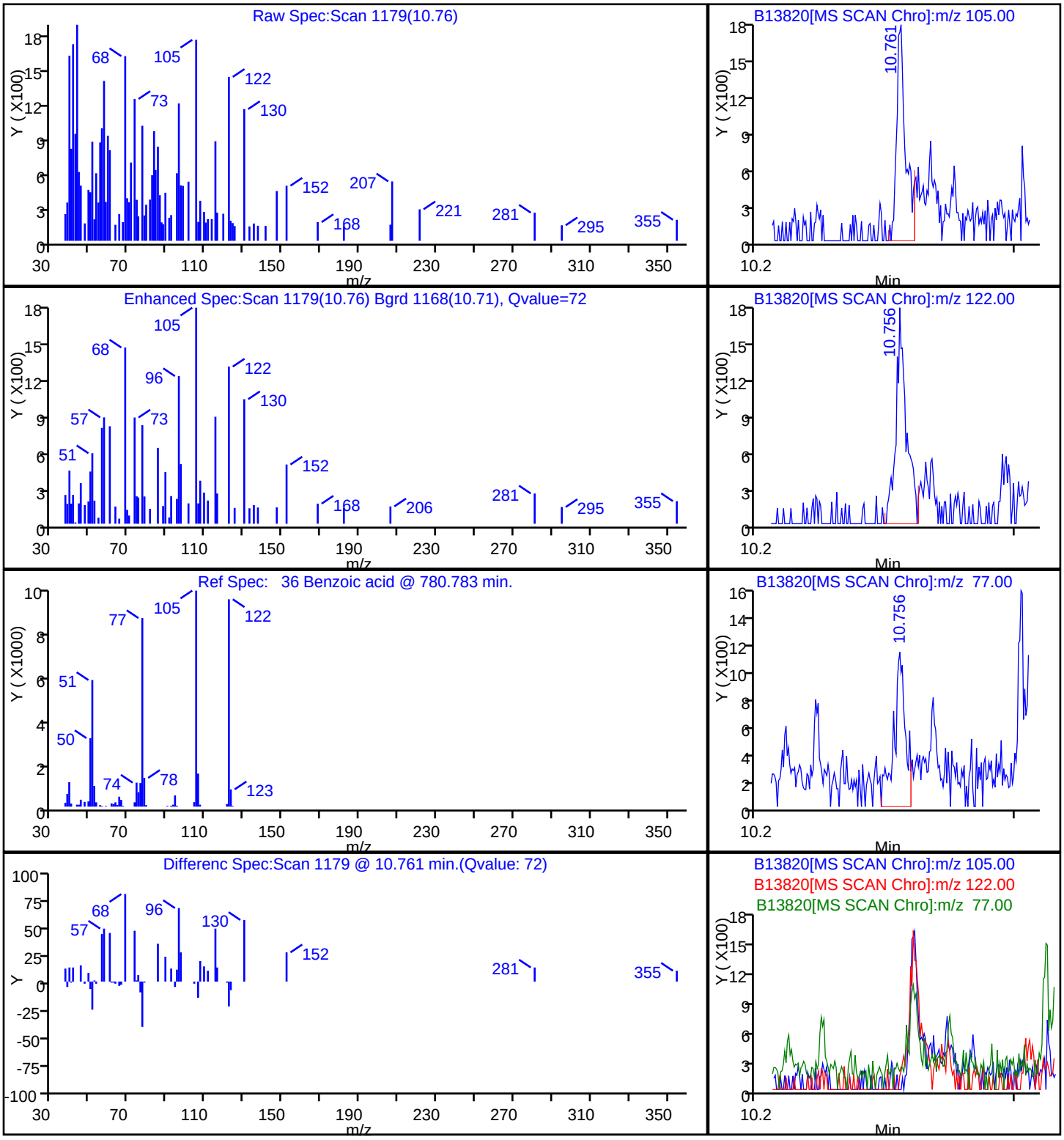


Report Date: 23-Dec-2010 08:17:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid



Report Date: 23-Dec-2010 08:17:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

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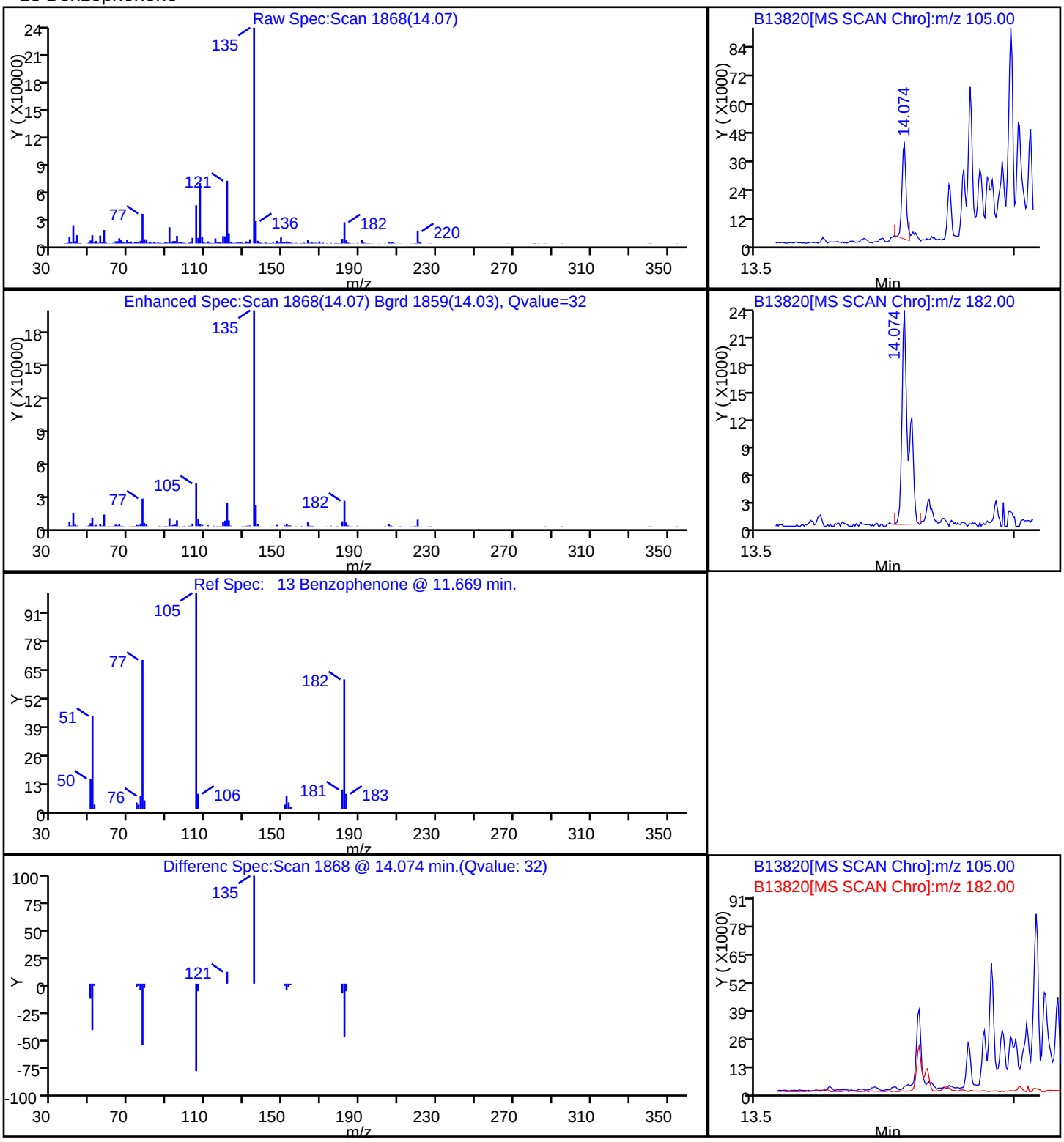
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

13 Benzophenone

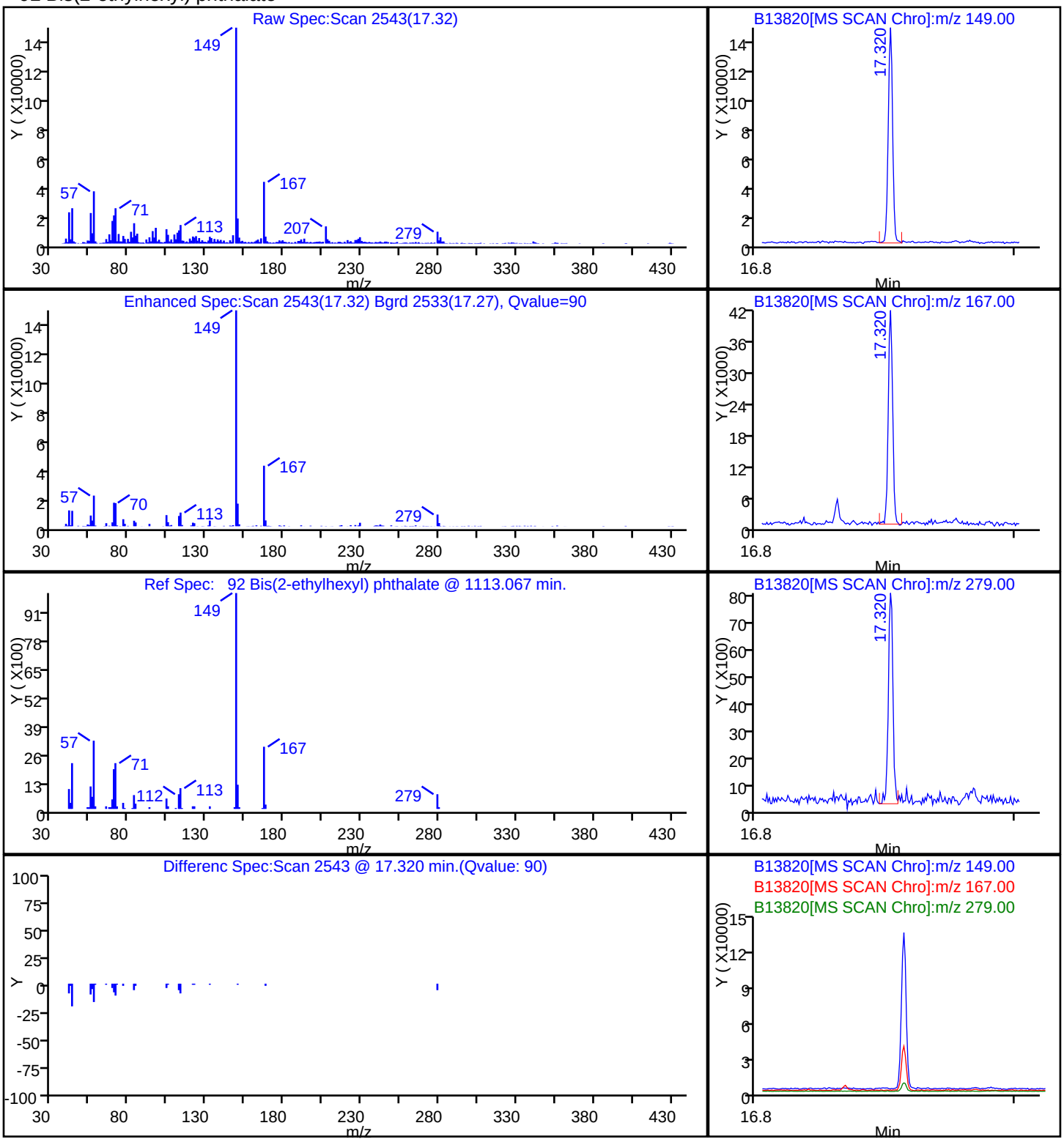


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

92 Bis(2-ethylhexyl) phthalate

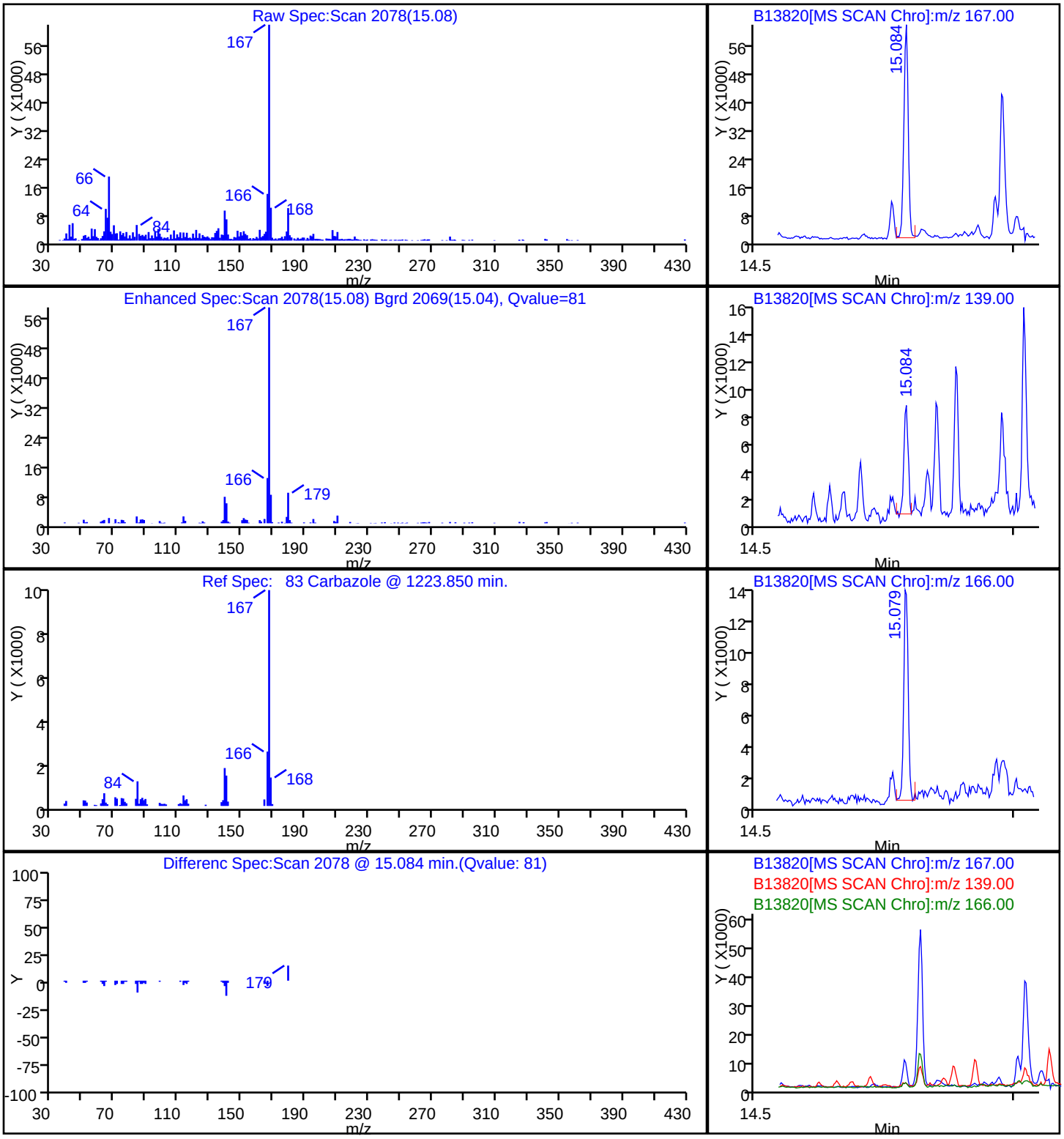


Report Date: 23-Dec-2010 08:17:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

83 Carbazole

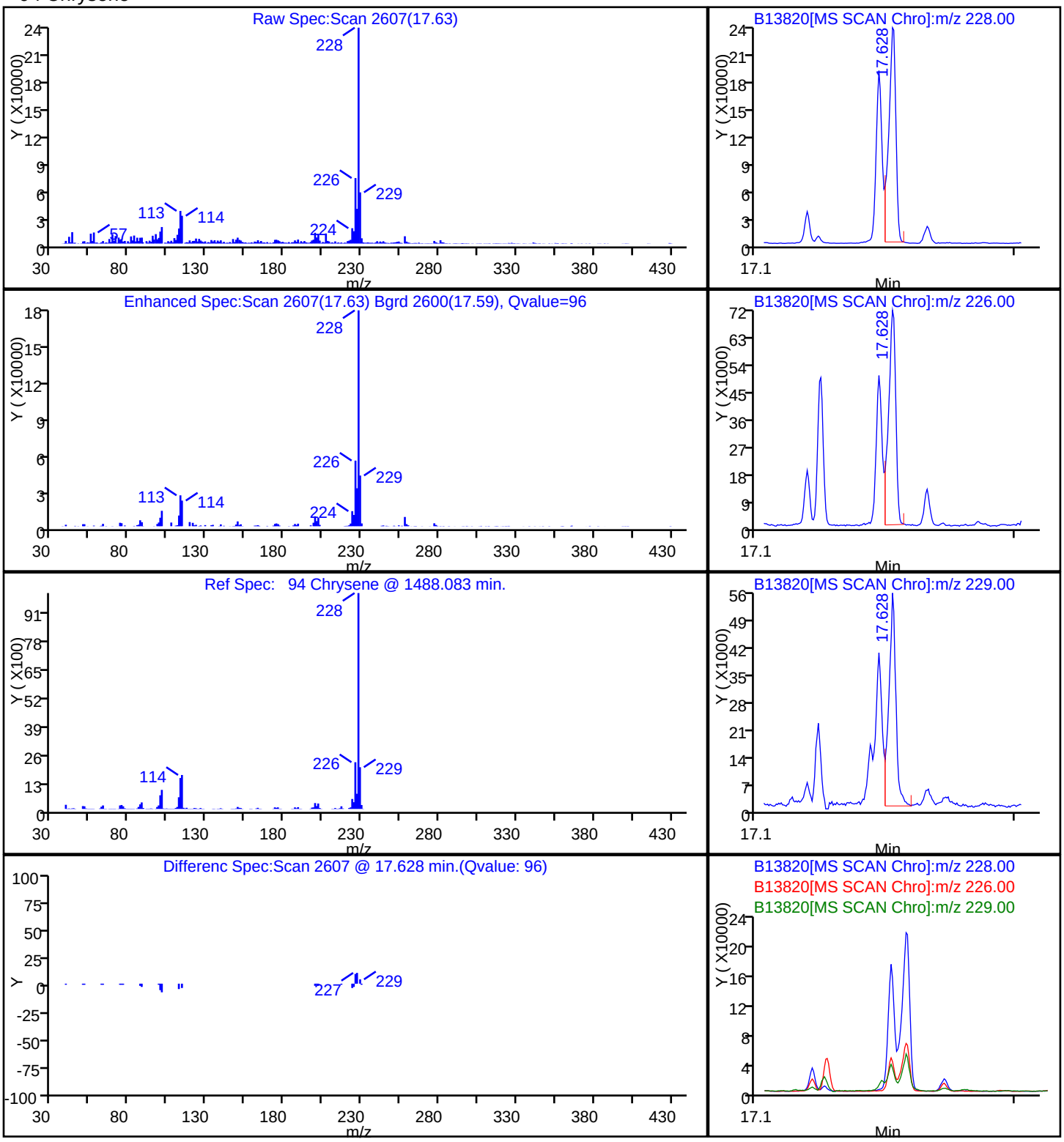


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

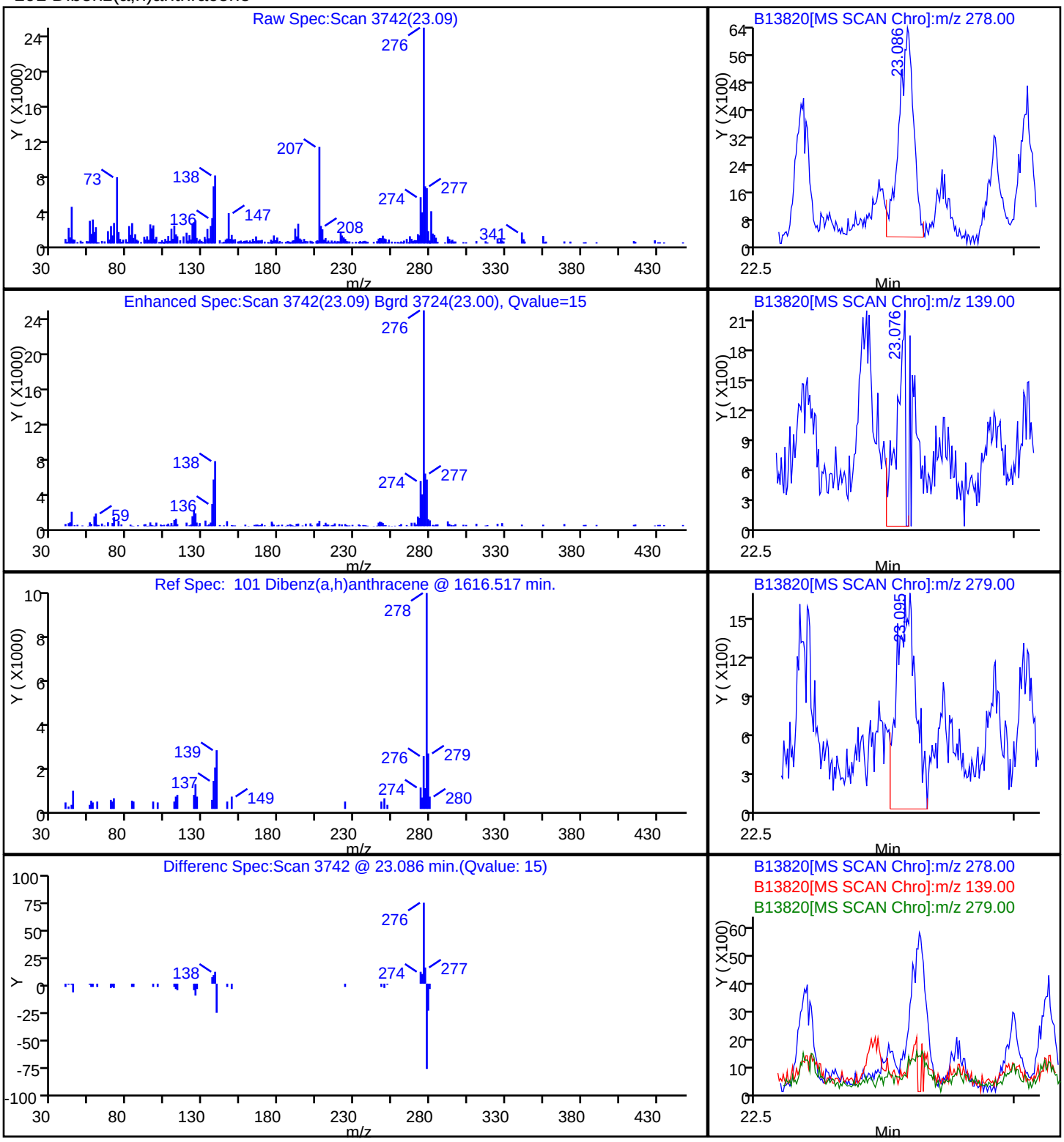


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

101 Dibenz(a,h)anthracene

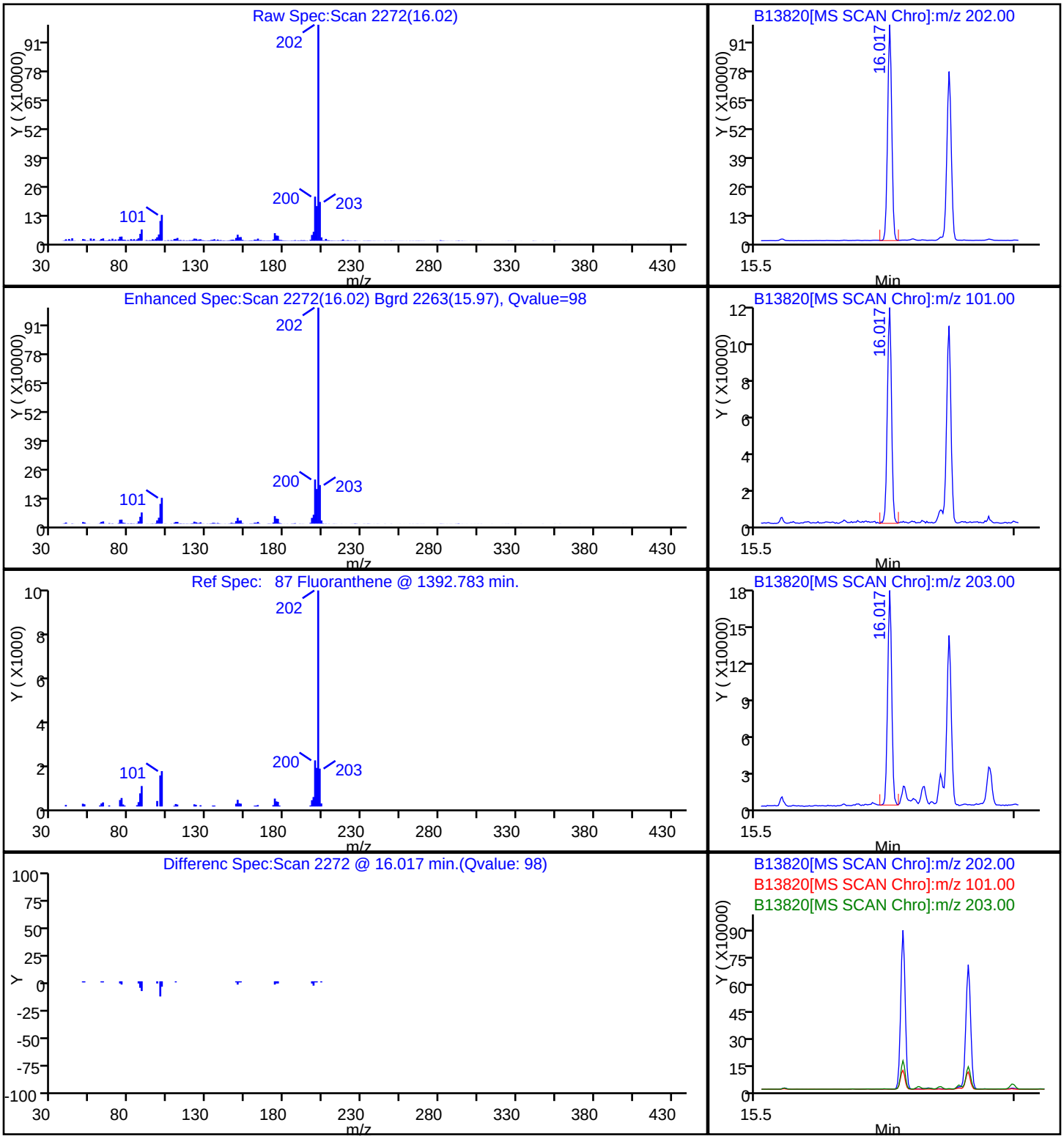


Report Date: 23-Dec-2010 08:17:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

87 Fluoranthene

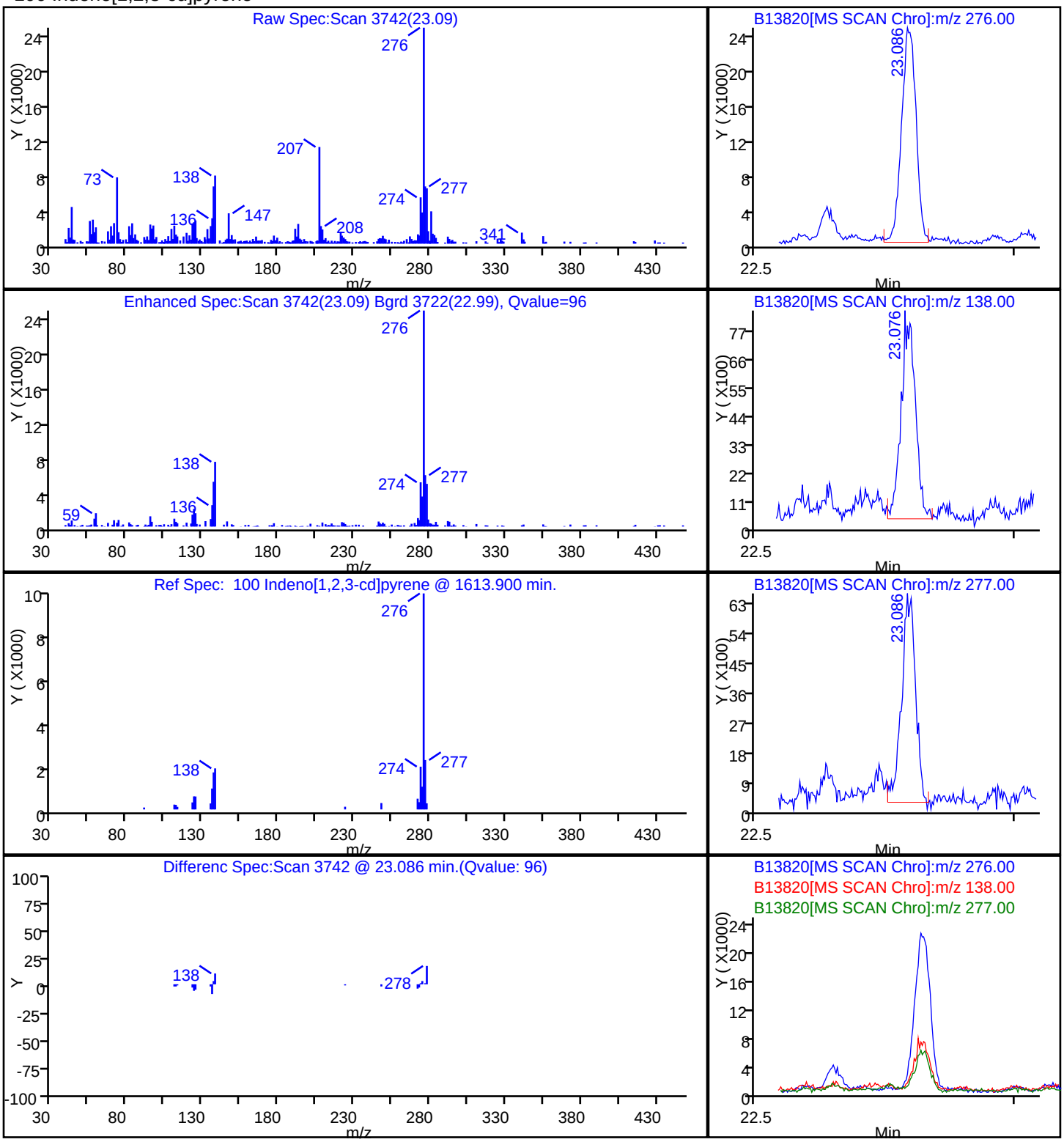


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

100 Indeno[1,2,3-cd]pyrene

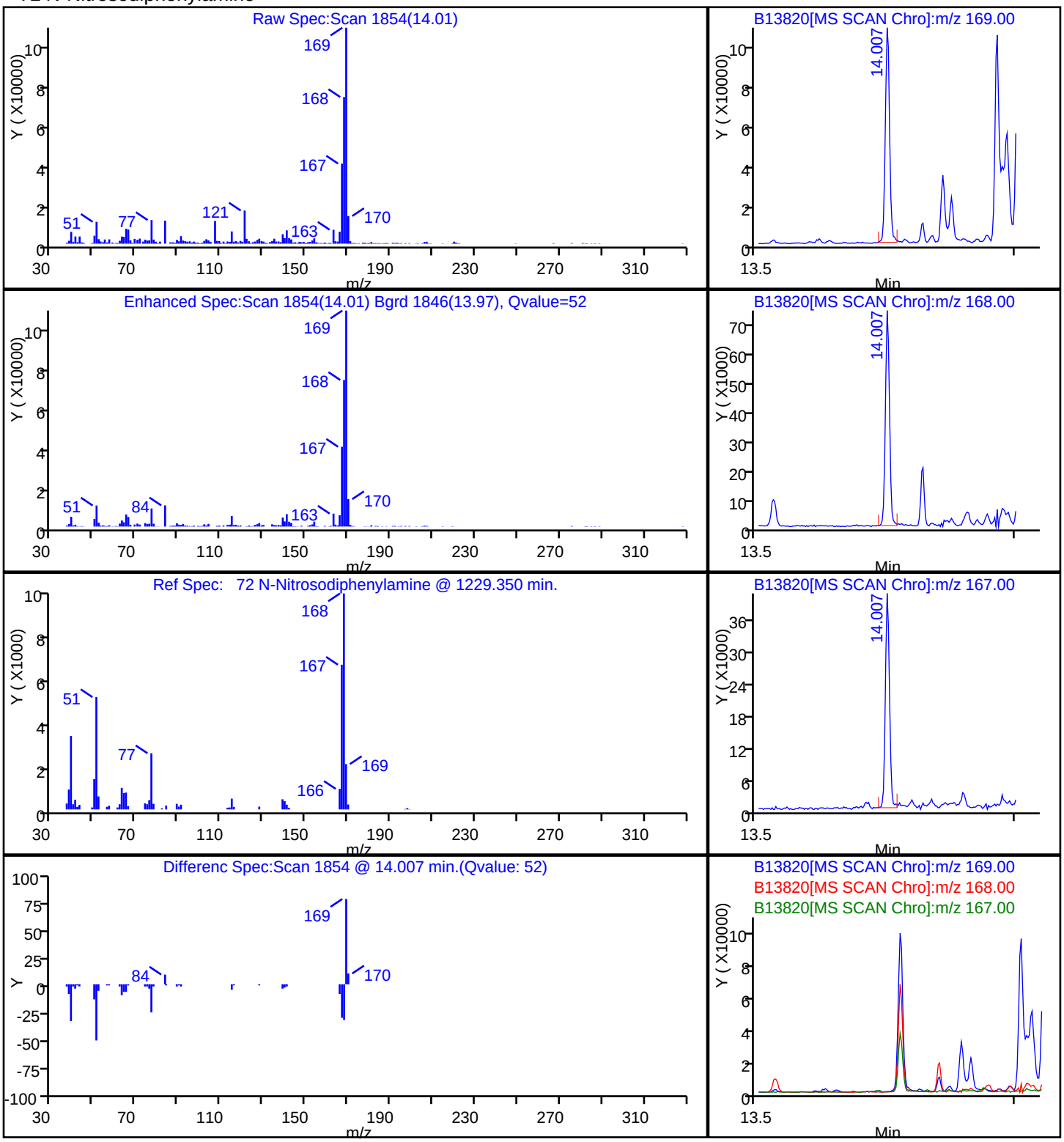


Report Date: 23-Dec-2010 08:17:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

72 N-Nitrosodiphenylamine

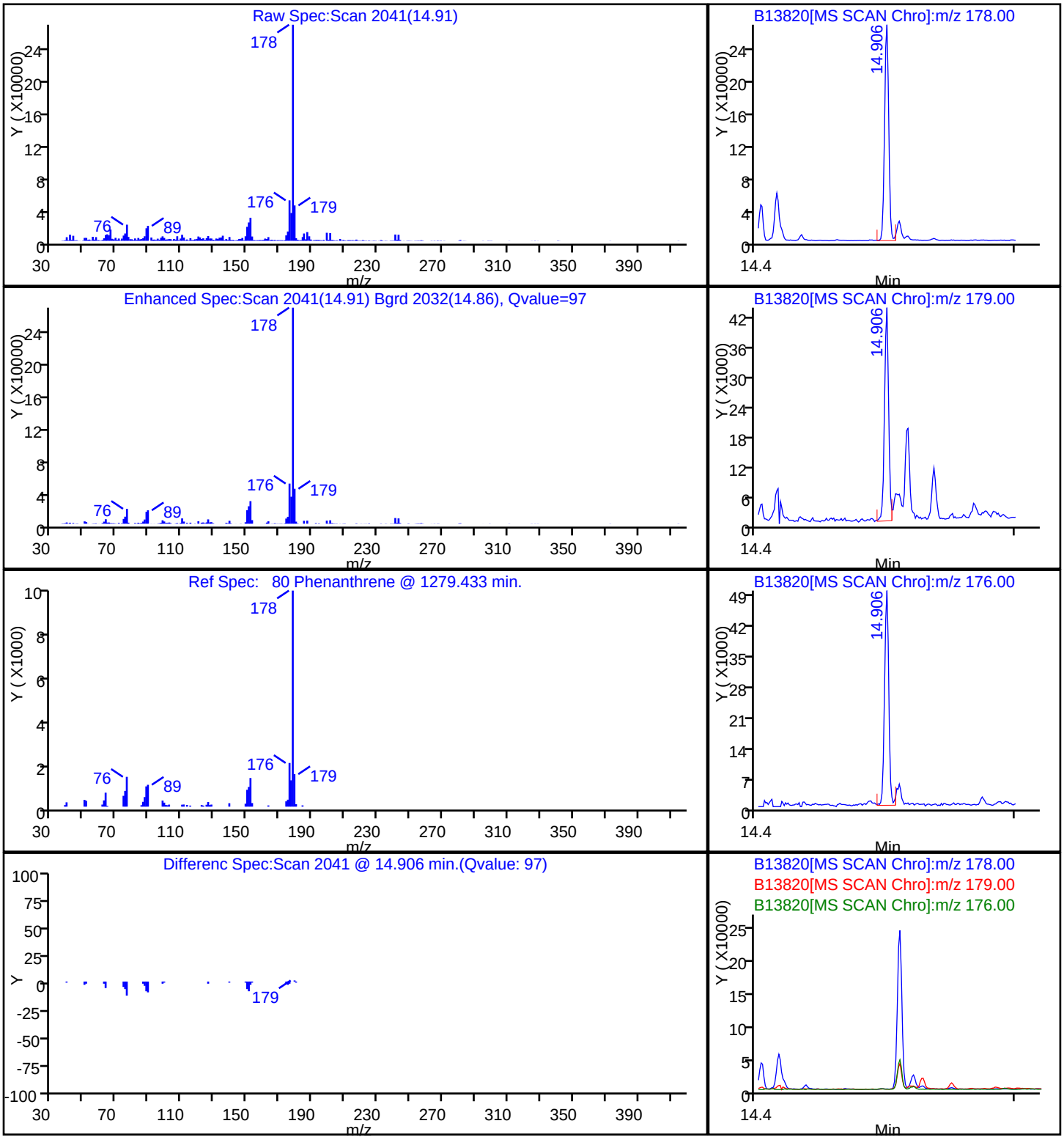


Report Date: 23-Dec-2010 08:17:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

80 Phenanthrene

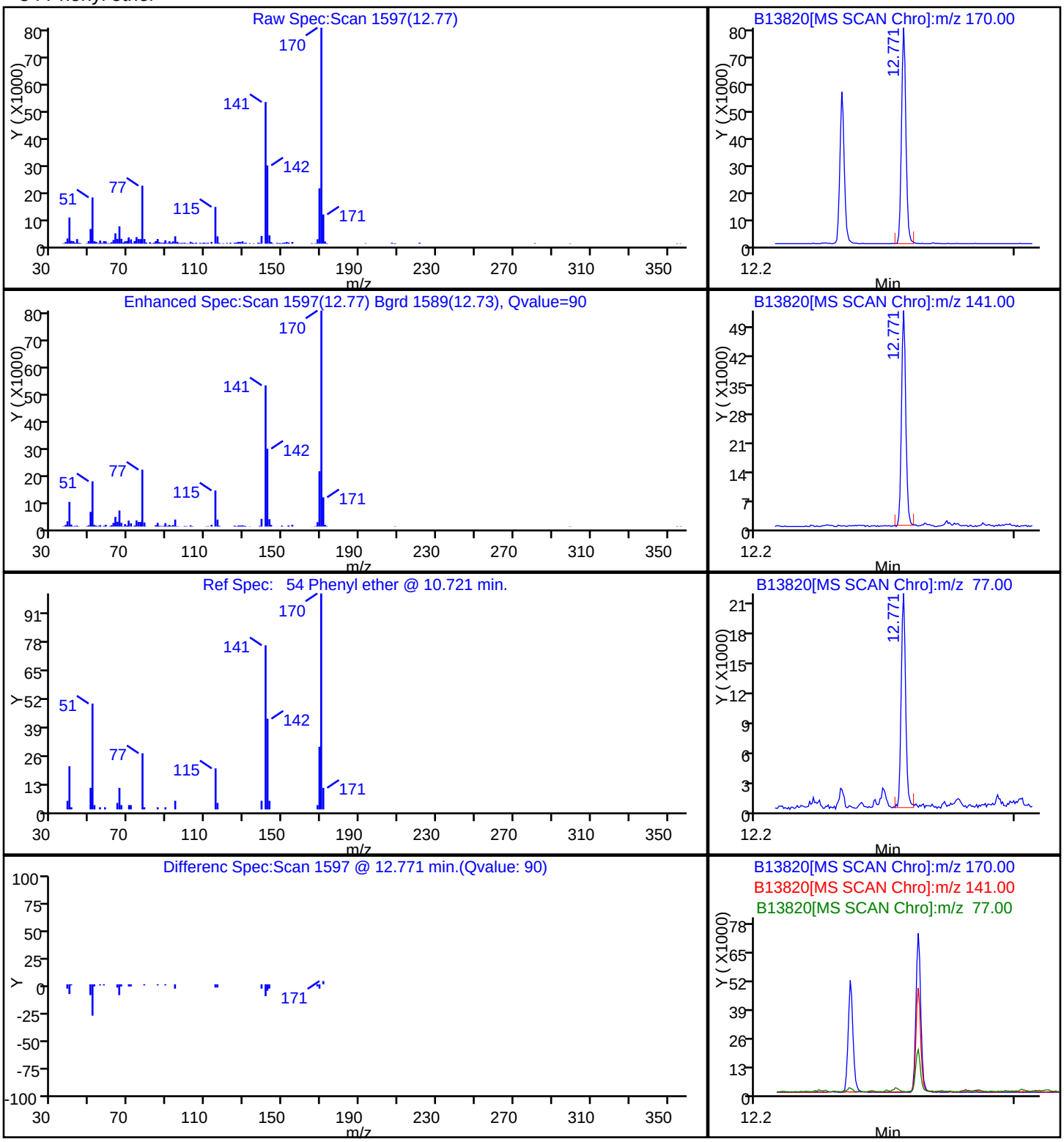


Report Date: 23-Dec-2010 08:17:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

54 Phenyl ether

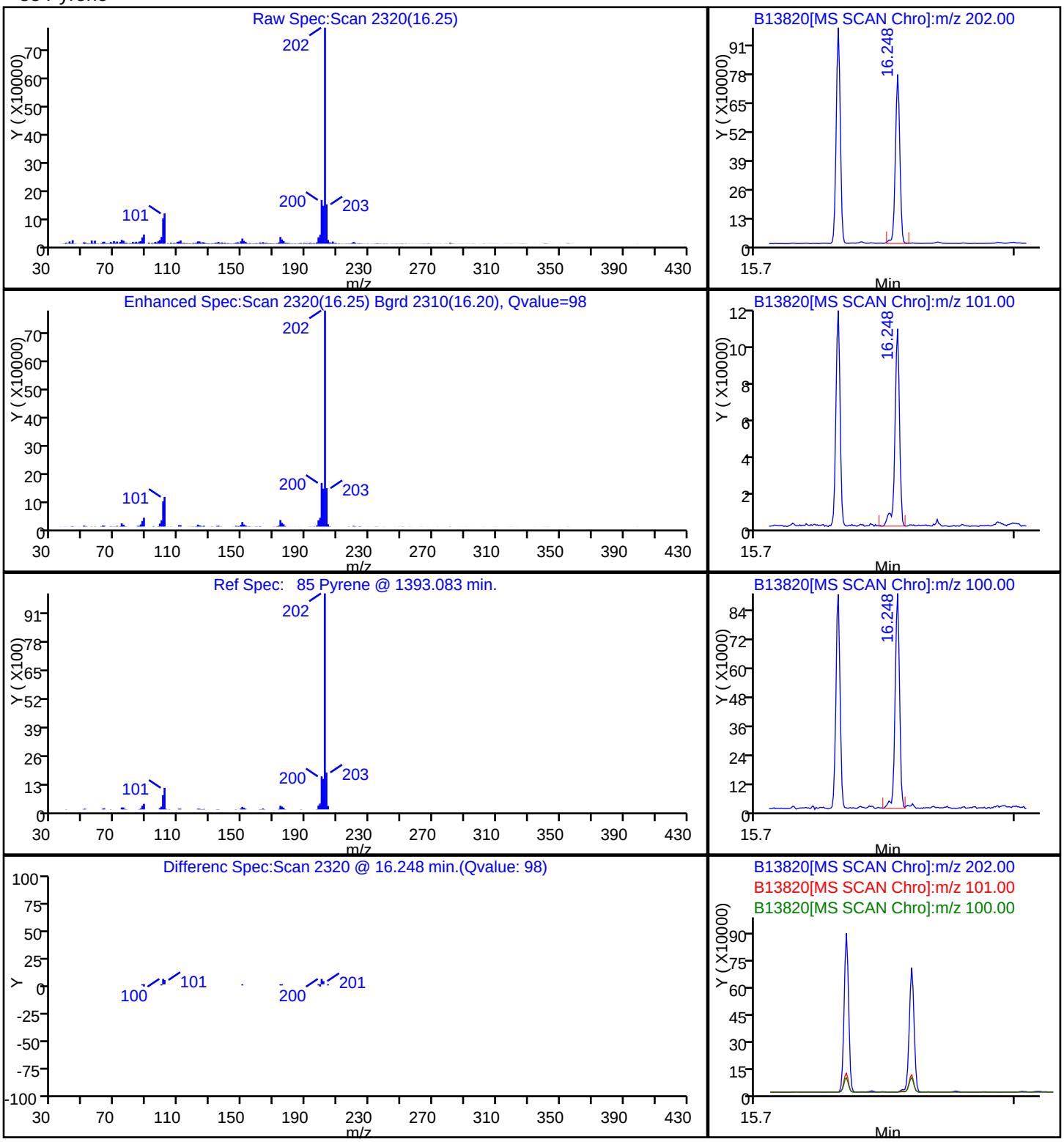


Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene



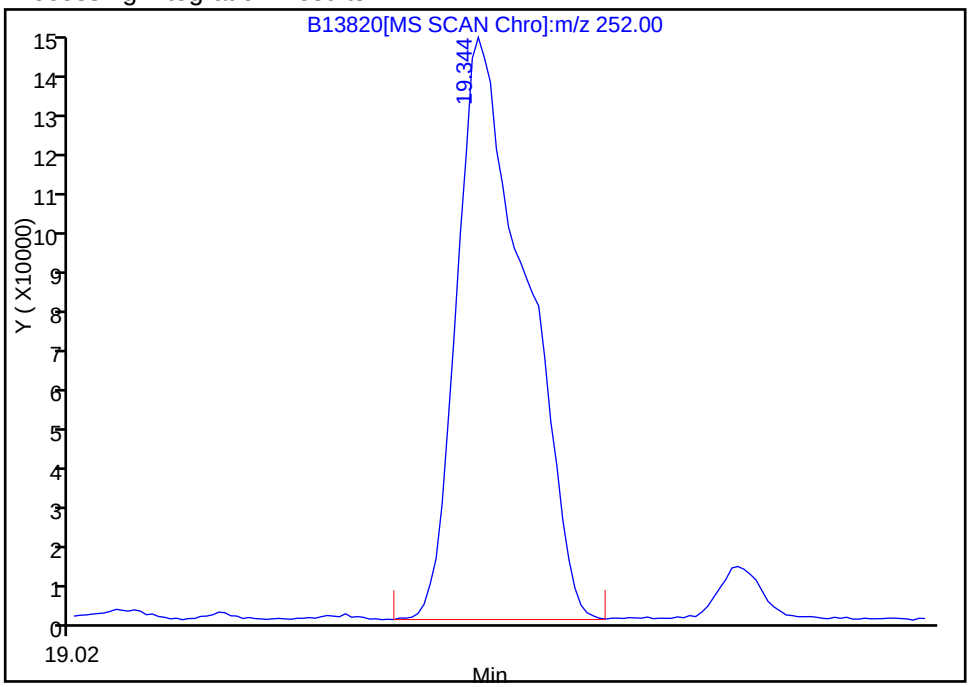
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D		
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.33

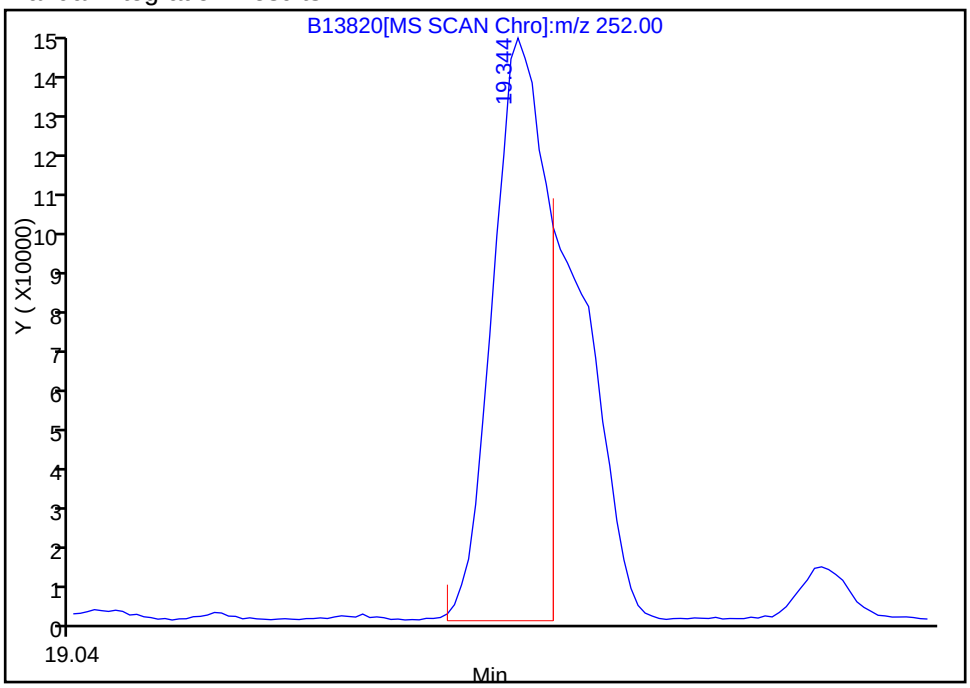
Processing Integration Results

RT: 19.34
Response: 564960
Amount: 7.872126



Manual Integration Results

RT: 19.34
Response: 378018
Amount: 5.267285



Reviewer: testerc, 23-Dec-2010 08:16:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Dec-2010 08:17:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

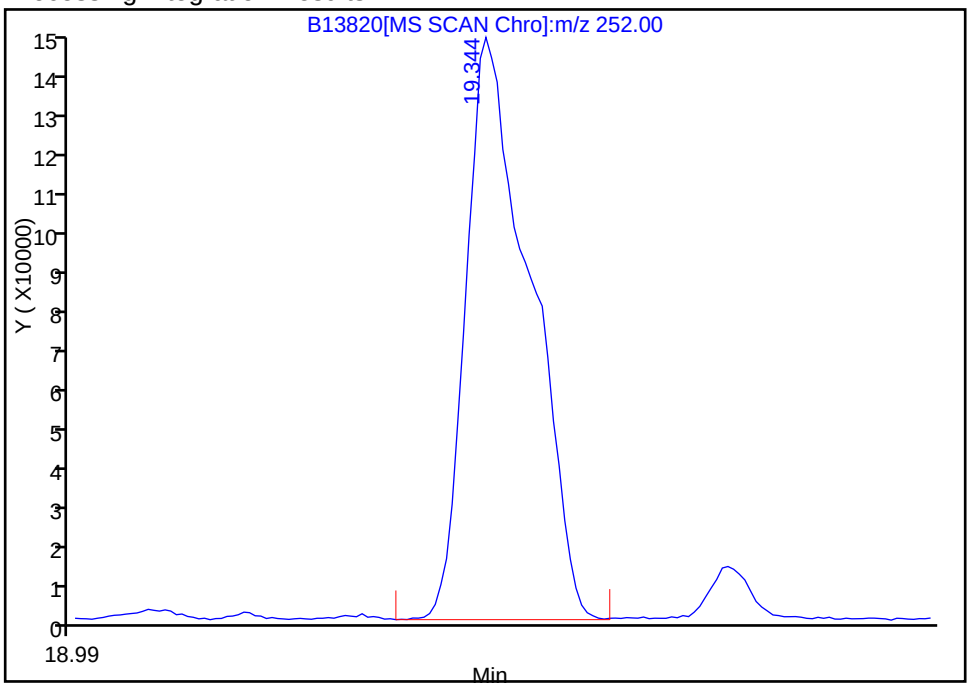
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D		
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.38

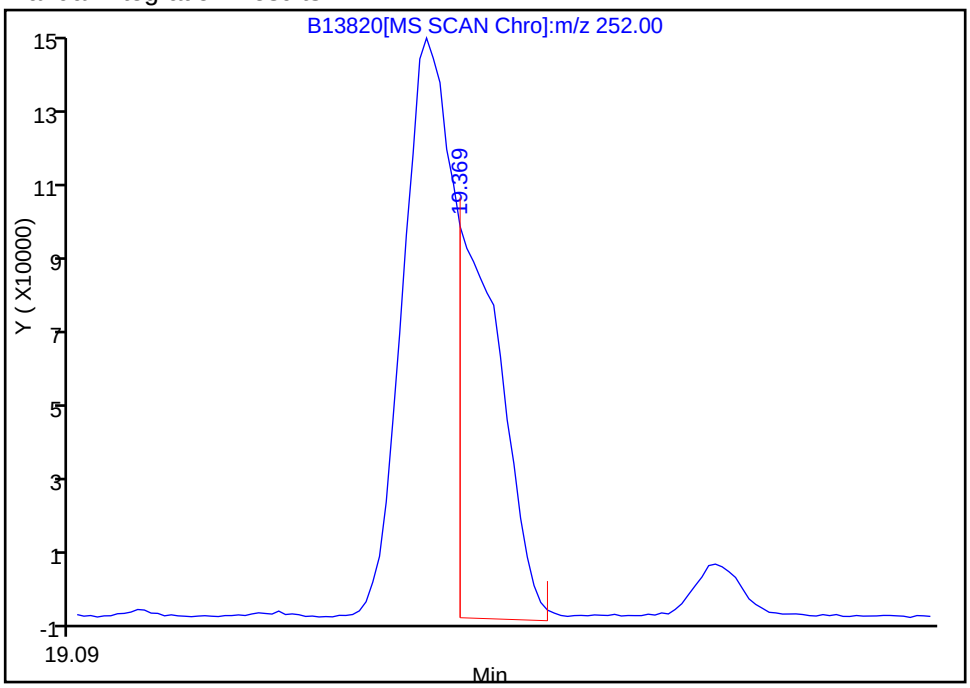
Processing Integration Results

RT: 19.34
Response: 565327
Amount: 8.152062



Manual Integration Results

RT: 19.37
Response: 218568
Amount: 3.151768



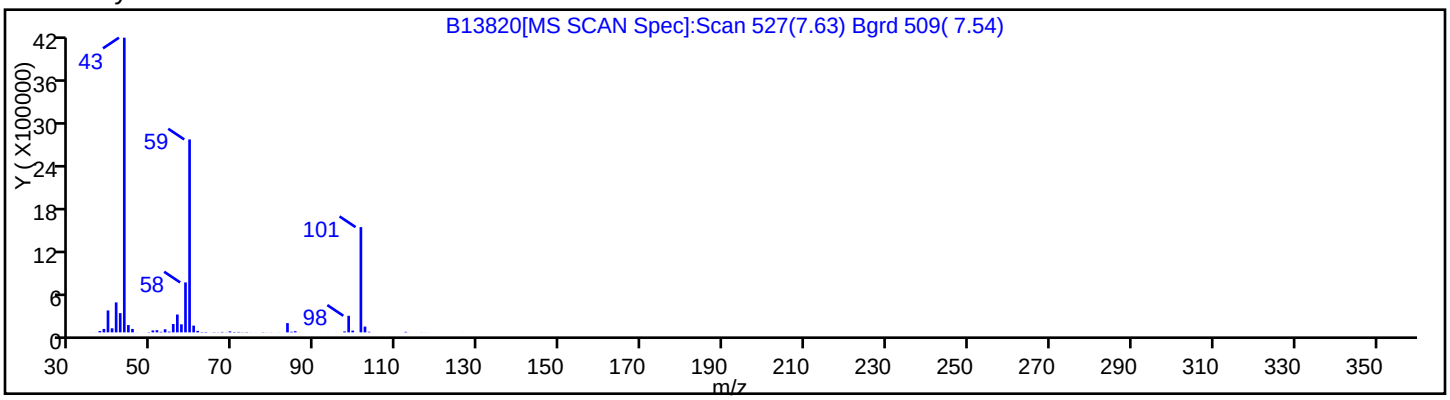
Reviewer: testerc, 23-Dec-2010 08:16:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

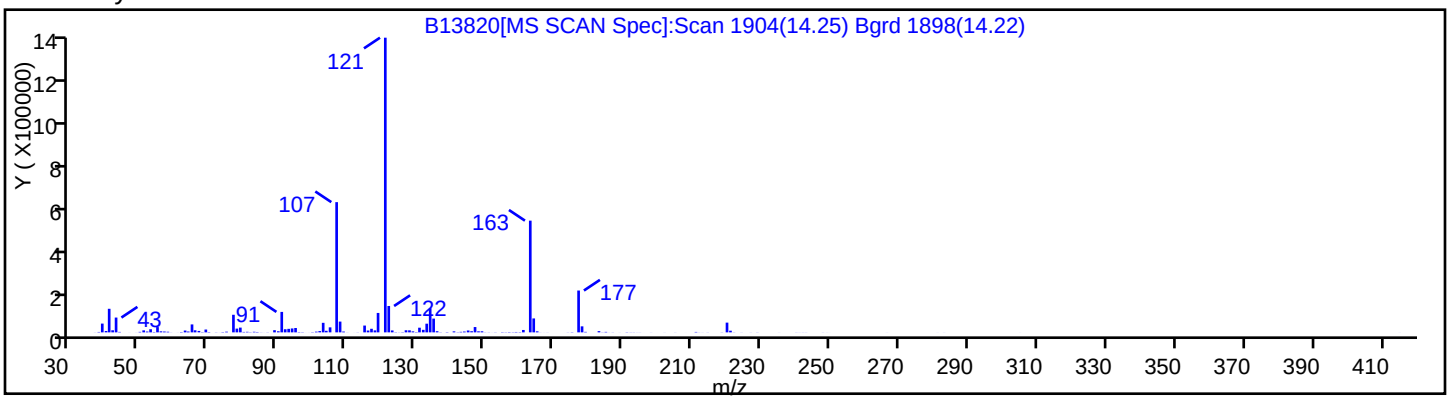


Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

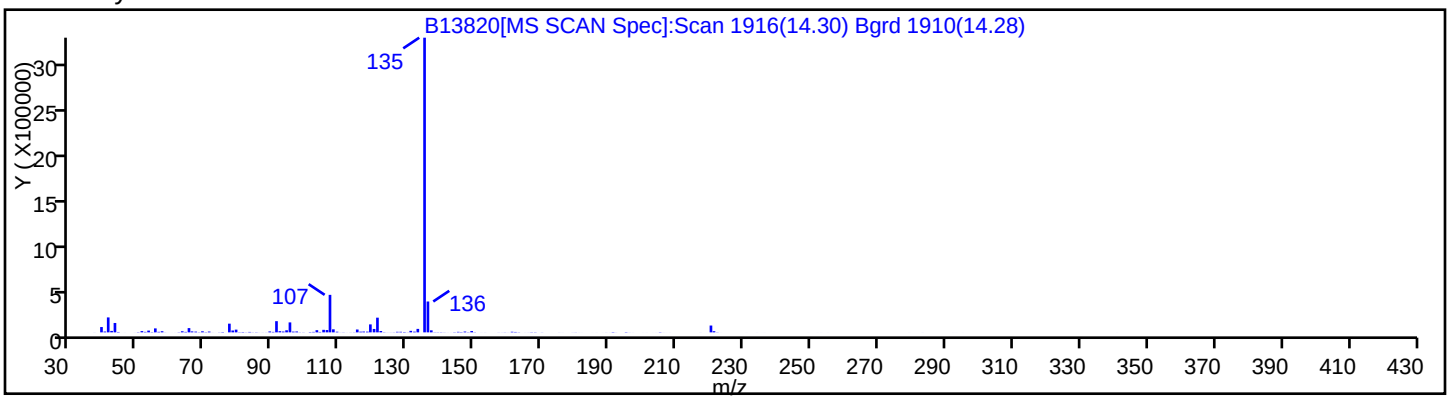


Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

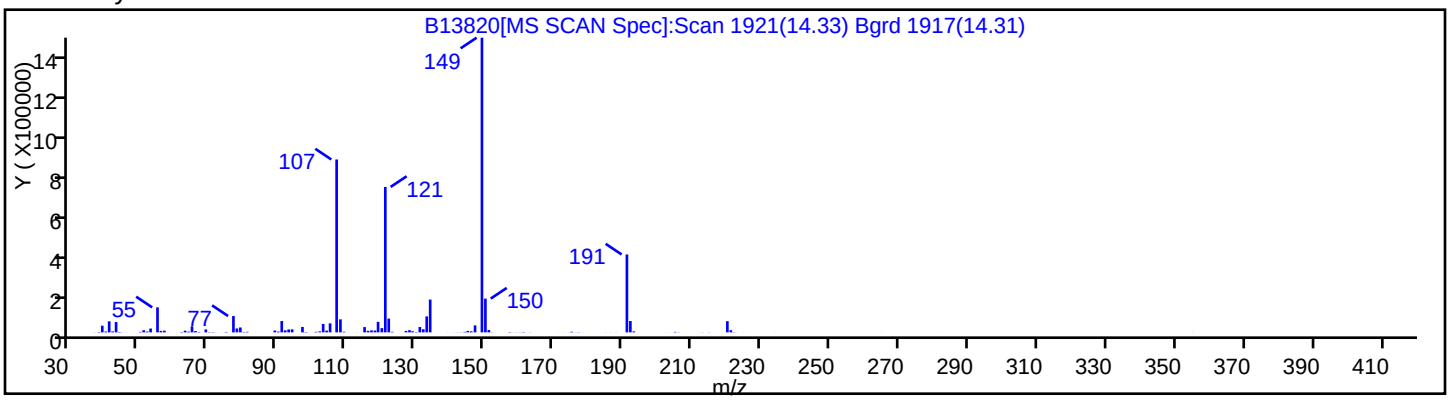


Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

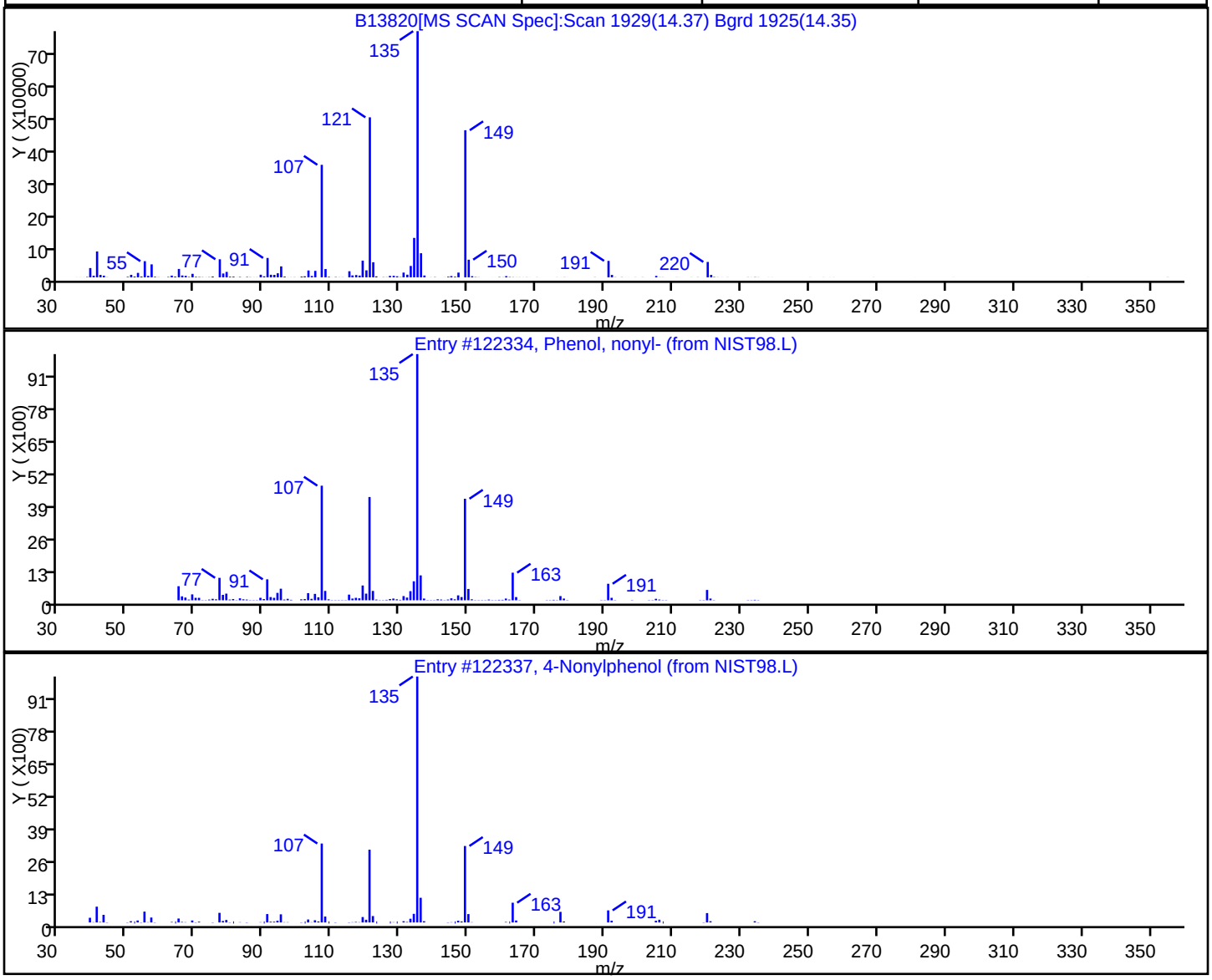
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D
Injection Date: 22-Dec-2010 15:41:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-1-XXX Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 24
Operator ID: CT Injection Vol: 2.00 ul

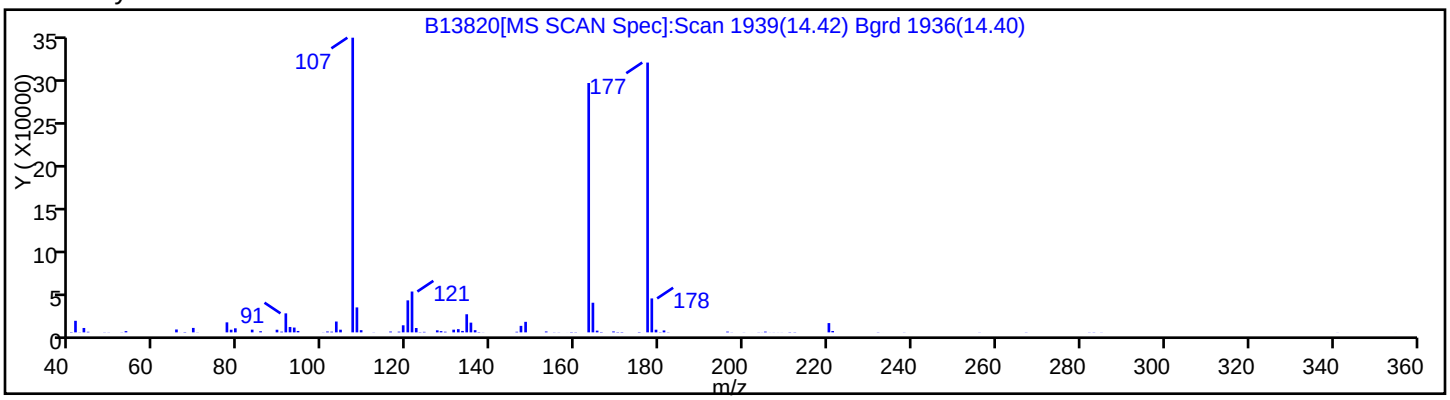
Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, nonyl-	25154-52-3	NIST98.L	122334	94
4-Nonylphenol	104-40-5	NIST98.L	122337	87



Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D		
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

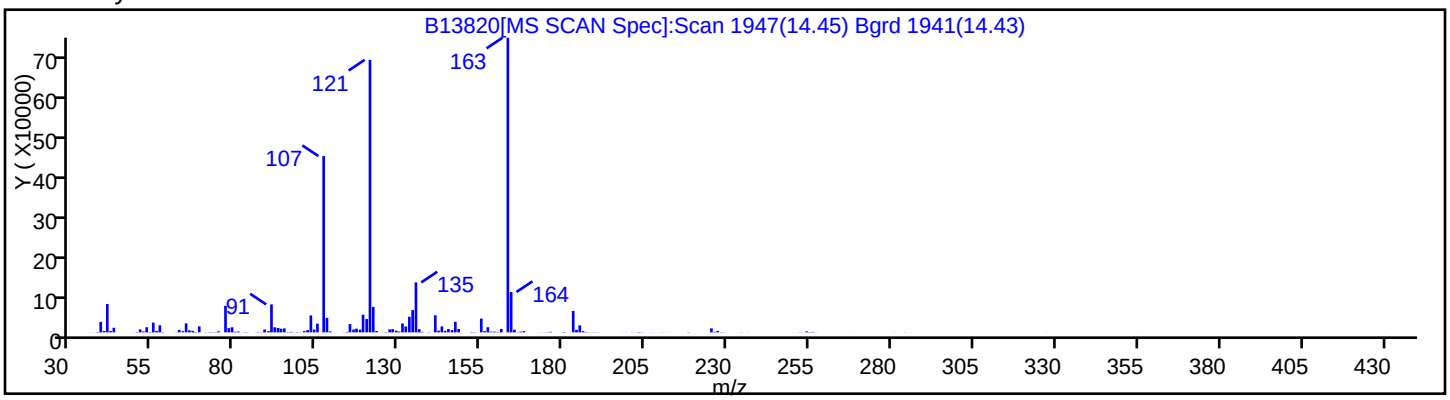


Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

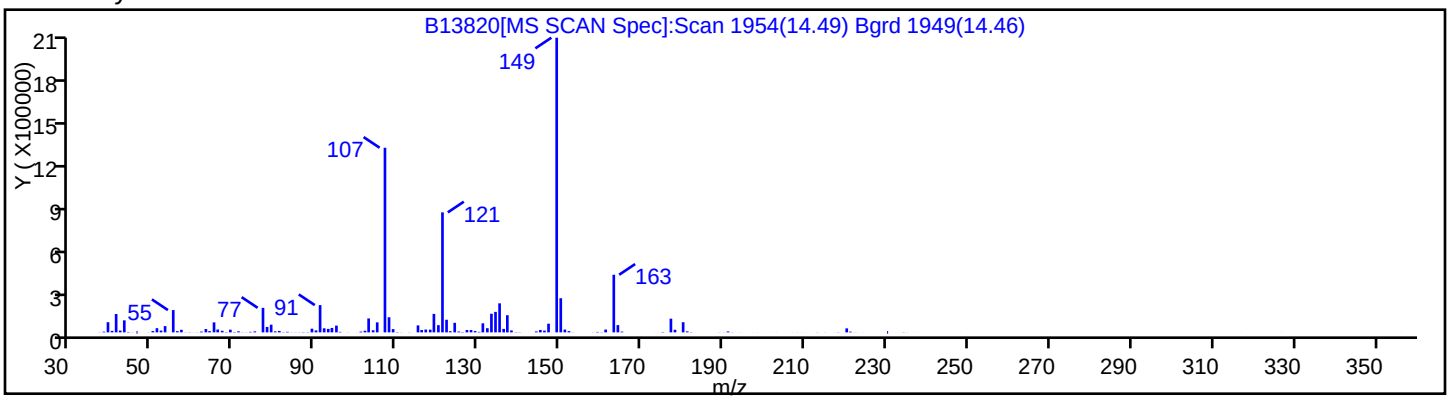
No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D		
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

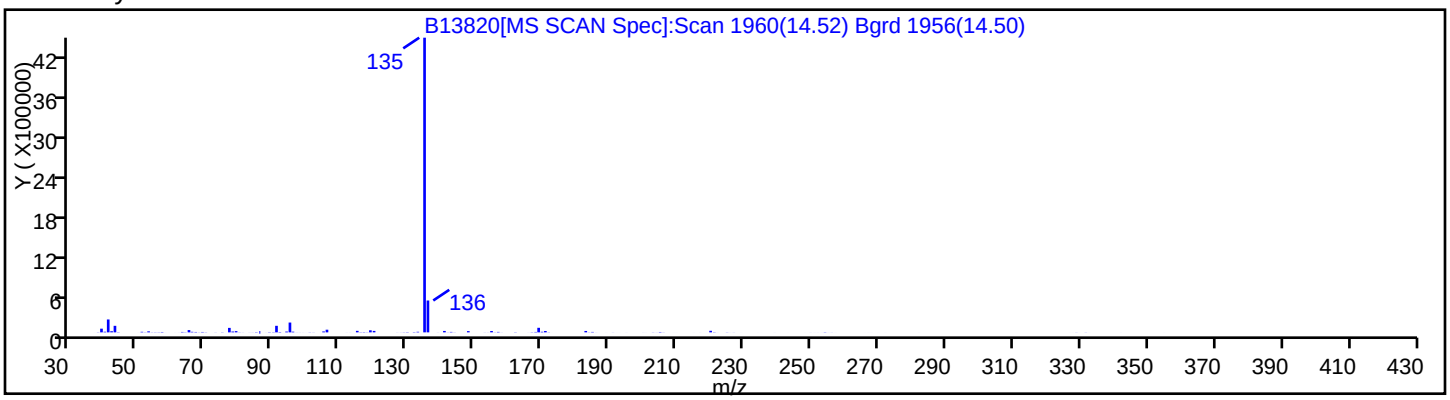


Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D

Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

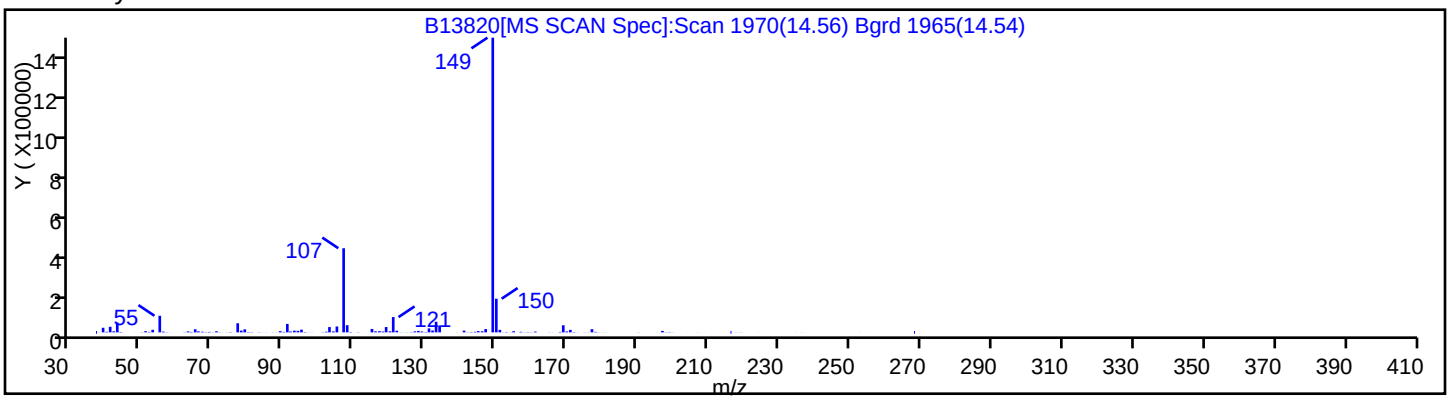
No Library Matches Found above the Threshold: 85



Report Date: 23-Dec-2010 08:17:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13820.D		
Injection Date:	22-Dec-2010 15:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-1-XXX	Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	24
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: J2105.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.60(g) | Date Analyzed: 12/23/2010 12:54

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 62.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		87	26
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		87	26
120-82-1	1,2,4-Trichlorobenzene	27	J	87	26
95-50-1	1,2-Dichlorobenzene	ND		87	26
541-73-1	1,3-Dichlorobenzene	ND		87	26
106-46-7	1,4-Dichlorobenzene	ND		87	26
90-12-0	1-Methylnaphthalene	ND		87	26
62-75-9	N-Nitrosodimethylamine	ND		87	31
108-60-1	2,2'-oxybis[1-chloropropane]	ND		87	26
58-90-2	2,3,4,6-Tetrachlorophenol	ND		87	26
95-95-4	2,4,5-Trichlorophenol	ND		87	26
88-06-2	2,4,6-Trichlorophenol	ND		87	26
120-83-2	2,4-Dichlorophenol	ND		87	26
105-67-9	2,4-Dimethylphenol	ND		87	34
51-28-5	2,4-Dinitrophenol	ND		87	26
121-14-2	2,4-Dinitrotoluene	ND		87	26
606-20-2	2,6-Dinitrotoluene	ND		87	26
91-58-7	2-Chloronaphthalene	ND		87	26
95-57-8	2-Chlorophenol	ND		87	26
91-57-6	2-Methylnaphthalene	ND		87	26
95-48-7	2-Methylphenol	ND		87	52
88-74-4	2-Nitroaniline	ND		440	26
88-75-5	2-Nitrophenol	ND		87	26
15831-10-4	3 & 4 Methylphenol	ND		87	26
91-94-1	3,3'-Dichlorobenzidine	ND		170	26
99-09-2	3-Nitroaniline	ND		440	26
534-52-1	4,6-Dinitro-2-methylphenol	ND		440	26
101-55-3	4-Bromophenyl phenyl ether	ND		87	26
59-50-7	4-Chloro-3-methylphenol	ND		170	26
106-47-8	4-Chloroaniline	ND		170	26
7005-72-3	4-Chlorophenyl phenyl ether	ND		87	26
100-01-6	4-Nitroaniline	ND		440	26
100-02-7	4-Nitrophenol	ND		440	26
83-32-9	Acenaphthene	ND		87	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: J2105.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.60(g) | Date Analyzed: 12/23/2010 12:54

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 62.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	ND		87	26
98-86-2	Acetophenone	ND		87	26
62-53-3	Aniline	ND		87	26
120-12-7	Anthracene	ND		87	26
1912-24-9	Atrazine	ND		87	26
103-33-3	Azobenzene	ND		87	26
100-52-7	Benzaldehyde	ND		87	26
56-55-3	Benzo[a]anthracene	140		87	26
50-32-8	Benzo[a]pyrene	180		87	26
205-99-2	Benzo[b]fluoranthene	310		87	26
191-24-2	Benzo[g,h,i]perylene	150		87	26
207-08-9	Benzo[k]fluoranthene	160		87	26
65-85-0	Benzoic acid	260	J	440	39
119-61-9	Benzophenone	ND		87	26
100-51-6	Benzyl alcohol	ND		170	74
111-91-1	Bis(2-chloroethoxy)methane	ND		87	26
111-44-4	Bis(2-chloroethyl)ether	ND		87	26
117-81-7	Bis(2-ethylhexyl) phthalate	47	J	87	26
85-68-7	Butyl benzyl phthalate	ND		87	26
105-60-2	Caprolactam	ND		87	26
86-74-8	Carbazole	51	J	87	26
218-01-9	Chrysene	280		87	26
53-70-3	Dibenz(a,h)anthracene	61	J	87	26
132-64-9	Dibenzofuran	ND		87	26
84-66-2	Diethyl phthalate	ND		87	26
131-11-3	Dimethyl phthalate	ND		87	26
84-74-2	Di-n-butyl phthalate	ND		87	77
117-84-0	Di-n-octyl phthalate	ND		87	44
206-44-0	Fluoranthene	590		87	26
86-73-7	Fluorene	ND		87	26
118-74-1	Hexachlorobenzene	ND		87	26
87-68-3	Hexachlorobutadiene	ND		87	26
77-47-4	Hexachlorocyclopentadiene	ND		170	26
67-72-1	Hexachloroethane	ND		87	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: J2105.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.60(g) | Date Analyzed: 12/23/2010 12:54

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 62.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	140		87	26
78-59-1	Isophorone	ND		87	26
91-20-3	Naphthalene	ND		210	26
98-95-3	Nitrobenzene	ND		87	26
621-64-7	N-Nitrosodi-n-propylamine	ND		87	26
86-30-6	N-Nitrosodiphenylamine	ND		87	26
87-86-5	Pentachlorophenol	ND		87	26
85-01-8	Phenanthrene	180		100	26
108-95-2	Phenol	ND		87	26
101-84-8	Diphenyl oxide	ND		87	26
129-00-0	Pyrene	440		87	26
62-75-9	N-Nitrosodimethylamine	ND		87	31

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	63		30-130
4165-62-2	Phenol-d5	60		30-130
4165-60-0	Nitrobenzene-d5	60		30-130
118-79-6	2,4,6-Tribromophenol	56		30-130
1718-51-0	Terphenyl-d14	41		30-130
321-60-8	2-Fluorobiphenyl	49		30-130
118-79-6	2,4,6-Tribromophenol	56		30-130
321-60-8	2-Fluorobiphenyl	49		30-130
367-12-4	2-Fluorophenol	63		30-130
4165-60-0	Nitrobenzene-d5	60		30-130
4165-62-2	Phenol-d5	60		30-130
1718-51-0	Terphenyl-d14	41		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX | Lab Sample ID: 360-31465-10

Matrix: Solid | Lab File ID: J2105.D

Analysis Method: 8270D | Date Collected: 12/10/2010 13:45

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.60(g) | Date Analyzed: 12/23/2010 12:54

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 62.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 5210

CAS NO.	COMPOUND NAME	RT	RESULT	Q
629-99-2	Pentacosane	14.75	470	T J N
630-7-9	Pentatriacontane	15.34	490	T J N
53057-53-7	1,21-Docosadiene	15.68	610	T J N
629-78-7	Heptadecane	15.82	580	T J N
198-55-0	Perylene	16.10	190	T J N
1000155-85-0	Bicyclo[10.8.0]eicosane, (E)-	16.27	1300	T J N
630-6-8	Hexatriacontane	16.45	370	T J N
629-96-9	1-Eicosanol	16.50	670	T J N
14811-95-1	1,19-Eicosadiene	17.10	210	T J N
	Unknown	17.85	320	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Lims ID: 360-31465-A-10-D
Client ID: OC-SD-OPWD-2-XXX
Inject. Date: 23-Dec-2010 12:54:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-10-D RR
Misc. Info.:
Operator: CT
Instrument ID: Inst. J
Vol. Injected: 2.0000
ALS Bottle#: 3
Lims Batch ID: 67612
Lims Sample ID: 14
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m
Last Update: 30-Dec-2010 12:42:20
Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WESWEIGEL

First Level Reviewer: weigelb
Date: 30-Dec-2010 12:45:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.791	7.796	-0.005	94	73944	4.00	
* 2 Naphthalene-d8	136	9.118	9.118	0.0	99	290138	4.00	
* 3 Acenaphthene-d10	164	10.897	10.898	-0.001	92	148425	4.00	
* 4 Phenanthrene-d10	188	12.393	12.388	0.005	95	255023	4.00	
* 5 Chrysene-d12	240	14.985	14.980	0.005	78	150327	4.00	
* 6 Perylene-d12	264	16.201	16.192	0.009	80	48916	4.00	
$ 7 2-Fluorophenol	112	6.353	6.310	0.043	87	96330	6.26	
$ 8 Phenol-d5	99	7.382	7.382	0.0	90	108192	5.97	
$ 9 Nitrobenzene-d5	82	8.368	8.373	-0.005	88	44395	3.02	
$ 10 2-Fluorobiphenyl	172	10.195	10.196	-0.001	100	93562	2.45	
$ 11 2,4,6-Tribromophenol	330	11.686	11.686	0.0	87	17353	5.63	
$ 12 Terphenyl-d14	244	13.951	13.946	0.005	97	54568	2.04	
16 Benzaldehyde	105	7.319	7.320	-0.001	3	2382	0.2061	
21 1,3-Dichlorobenzene	146	7.733	7.738	-0.005	88	1063	0.0495	
22 1,4-Dichlorobenzene	146	7.810	7.815	-0.005	53	1355	0.0614	
23 Benzyl alcohol	79	7.925	7.926	-0.001	90	2190	0.2059	
25 2-Methylphenol	108	8.036	8.036	0.0	35	295	0.0214	
27 3 & 4 Methylphenol	107	8.190	8.195	-0.005	72	819	0.0512	
29 Acetophenone	105	8.204	8.210	-0.006	77	996	0.0463	
32 Isophorone	82	8.627	8.628	-0.001	57	244	0.1511	
34 Benzoic acid	105	8.781	8.743	0.038	76	3328	2.95	
38 1,2,4-Trichlorobenzene	180	9.055	9.056	-0.001	92	5203	0.3064	
40 Naphthalene	128	9.142	9.142	0.0	98	5213	0.0924	
45 2-Methylnaphthalene	142	9.839	9.840	-0.001	68	941	0.0265	
46 1-Methylnaphthalene	142	9.940	9.941	-0.001	60	470	0.0133	
51 1,1'-Biphenyl	154	10.301	10.301	0.0	90	1652	0.0390	
53 Phenyl ether	170	10.397	10.398	-0.001	94	5416	0.2391	
56 Dimethyl phthalate	163	10.575	10.580	-0.005	62	726	0.0199	
58 Acenaphthylene	152	10.758	10.758	0.0	94	2827	0.0541	
62 Acenaphthene	153	10.931	10.926	0.005	67	1556	0.0586	
64 Dibenzofuran	168	11.099	11.100	-0.001	90	2569	0.0585	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
66 Diethyl phthalate	149	11.277	11.278	-0.001	3	513	0.0131	
67 4-Chlorophenyl phenyl ether	204	11.421	11.422	-0.001	68	643	0.0387	
70 Fluorene	166	11.445	11.446	-0.001	96	2659	0.0739	
75 N-Nitrosodiphenylamine	169	11.537	11.537	0.0	53	1453	0.0565	
74 Benzophenone	105	11.594	11.595	-0.001	63	885	0.0270	
81 Phenanthrene	178	12.417	12.412	0.005	81	103913	2.08	
82 Anthracene	178	12.465	12.465	0.0	95	6814	0.1416	
55 DFTPP	198	11.777	12.605	-0.828	0	75	0	
83 Carbazole	167	12.609	12.610	-0.001	82	22853	0.5840	
84 Di-n-butyl phthalate	149	12.902	12.903	-0.001	84	8306	0.1311	
86 Fluoranthene	202	13.614	13.610	0.004	97	301702	6.76	
88 Pyrene	202	13.840	13.841	-0.001	98	225333	5.07	
91 Bis(2-ethylhexyl) phthalate	149	14.889	14.884	0.004	89	15180	0.5345	
93 Benzo[a]anthracene	228	14.975	14.971	0.004	89	49847	1.65	
94 Chrysene	228	15.009	15.004	0.005	97	87885	3.15	
97 Benzo[b]fluoranthene	252	15.860	15.860	0.009	0	49315	3.59	M
98 Benzo[k]fluoranthene	252	15.870	15.870	-0.005	97	22248	1.79	M
99 Benzo[a]pyrene	252	16.148	16.144	0.004	77	20335	2.07	
102 Indeno[1,2,3-cd]pyrene	276	17.418	17.409	0.009	92	10122	1.61	
100 Dibenz(a,h)anthracene	278	17.413	17.413	-0.001	12	2589	0.6931	A
101 Benzo[g,h,i]perylene	276	17.798	17.793	0.005	95	9876	1.74	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D		
Lims ID:	360-31465-A-10-D	Client ID:	OC-SD-OPWD-2-XXX
Inject. Date:	23-Dec-2010 12:54:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-10-D RR		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	67612	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m		
Last Update:	30-Dec-2010 12:42:20	Calib Date:	21-Dec-2010 18:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WESWEIGEL		
First Level Reviewer: weigelb		Date:	30-Dec-2010 12:45:55

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	629-99-2	Pentacosane				
14.749	829218	5.35	5	92	17109	
	630-7-9	Pentatriacontane				
15.341	864298	5.57	5	95	112346	
	53057-53-7	1,21-Docosadiene				
15.682	294291	7.02	6	95	14167	
	629-78-7	Heptadecane				
15.817	277827	6.62	6	95	109557	
	198-55-0	Perylene				
16.100	92760	2.21	6	98	93362	
	1000155-85-0	Bicyclo[10.8.0]eicosane, (E)-				
16.273	619754	14.8	6	94	2123	
	630-6-8	Hexatriacontane				
16.447	176668	4.21	6	93	112334	
	629-96-9	1-Eicosanol				
16.495	320057	7.63	6	93	112640	
	14811-95-1	1,19-Eicosadiene				
17.096	100388	2.39	6	92	13201	
		Unknown				
17.851	153251	3.65	6			

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	14.985	620291	4.00
* 6 Perylene-d12	16.201	167787	4.00

QC Flag Legend

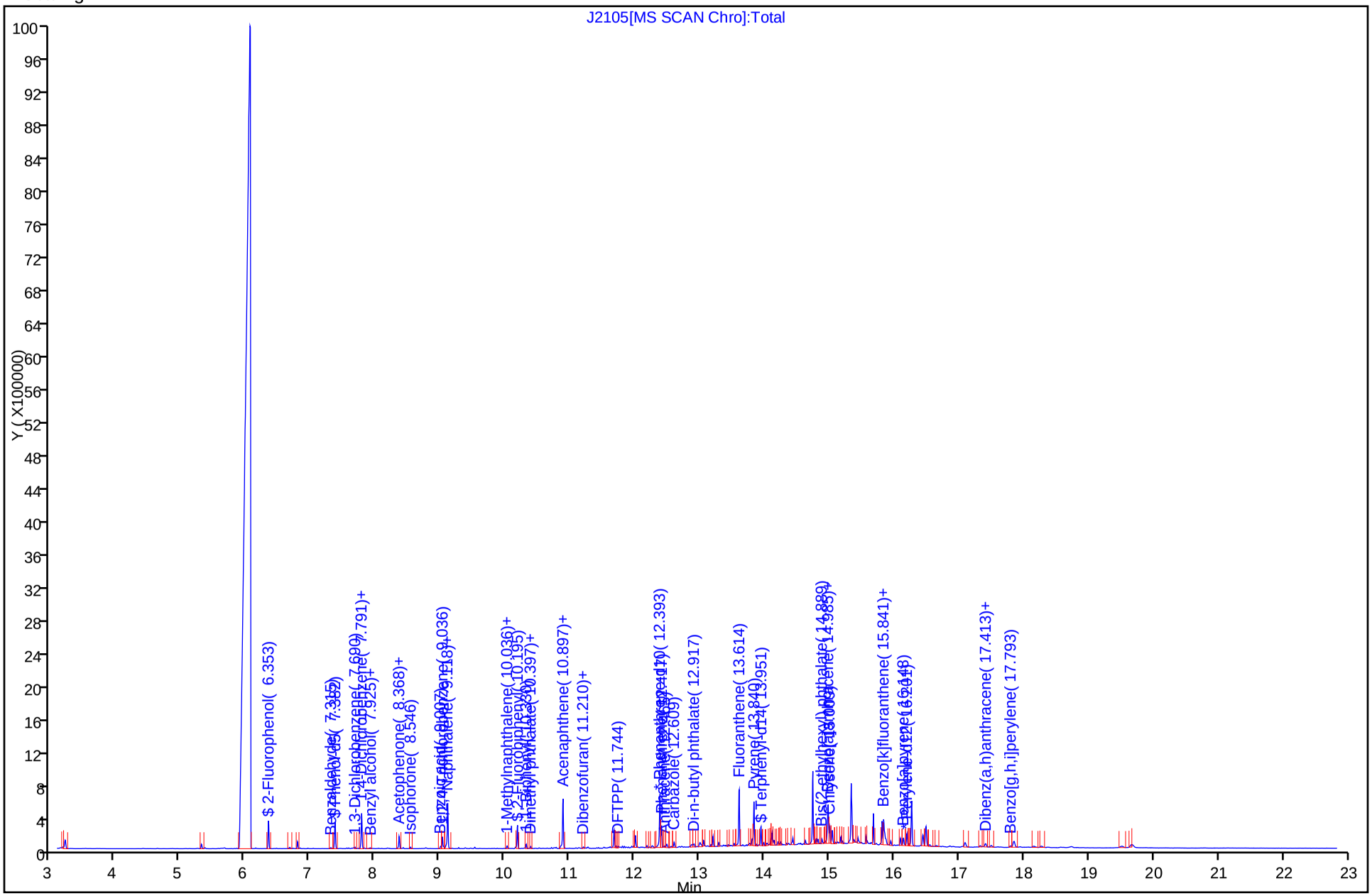
Processing Flags

Report Date: 30-Dec-2010 12:45:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

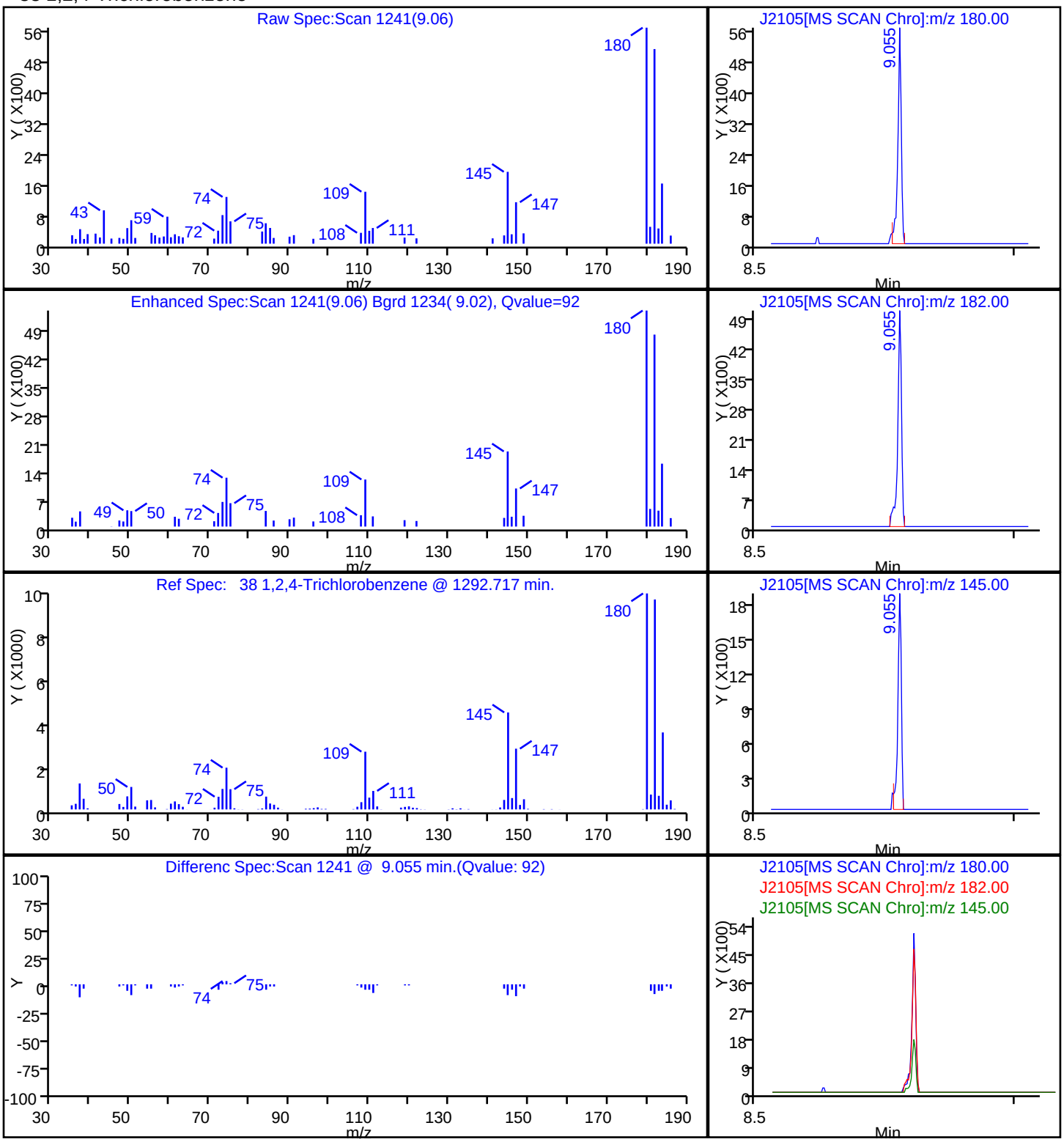


Report Date: 30-Dec-2010 12:45:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

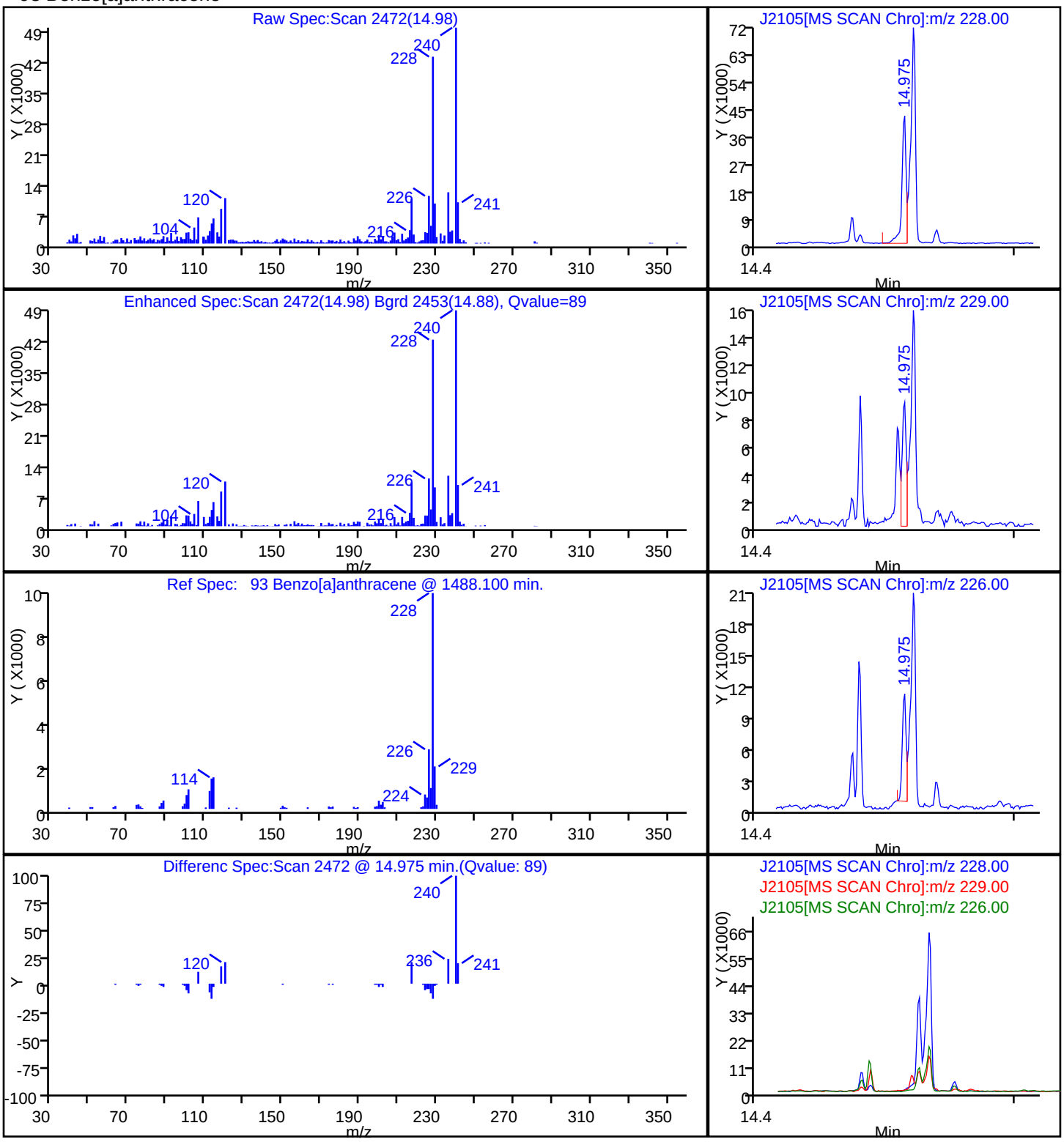
Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

38 1,2,4-Trichlorobenzene



Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

93 Benzo[a]anthracene



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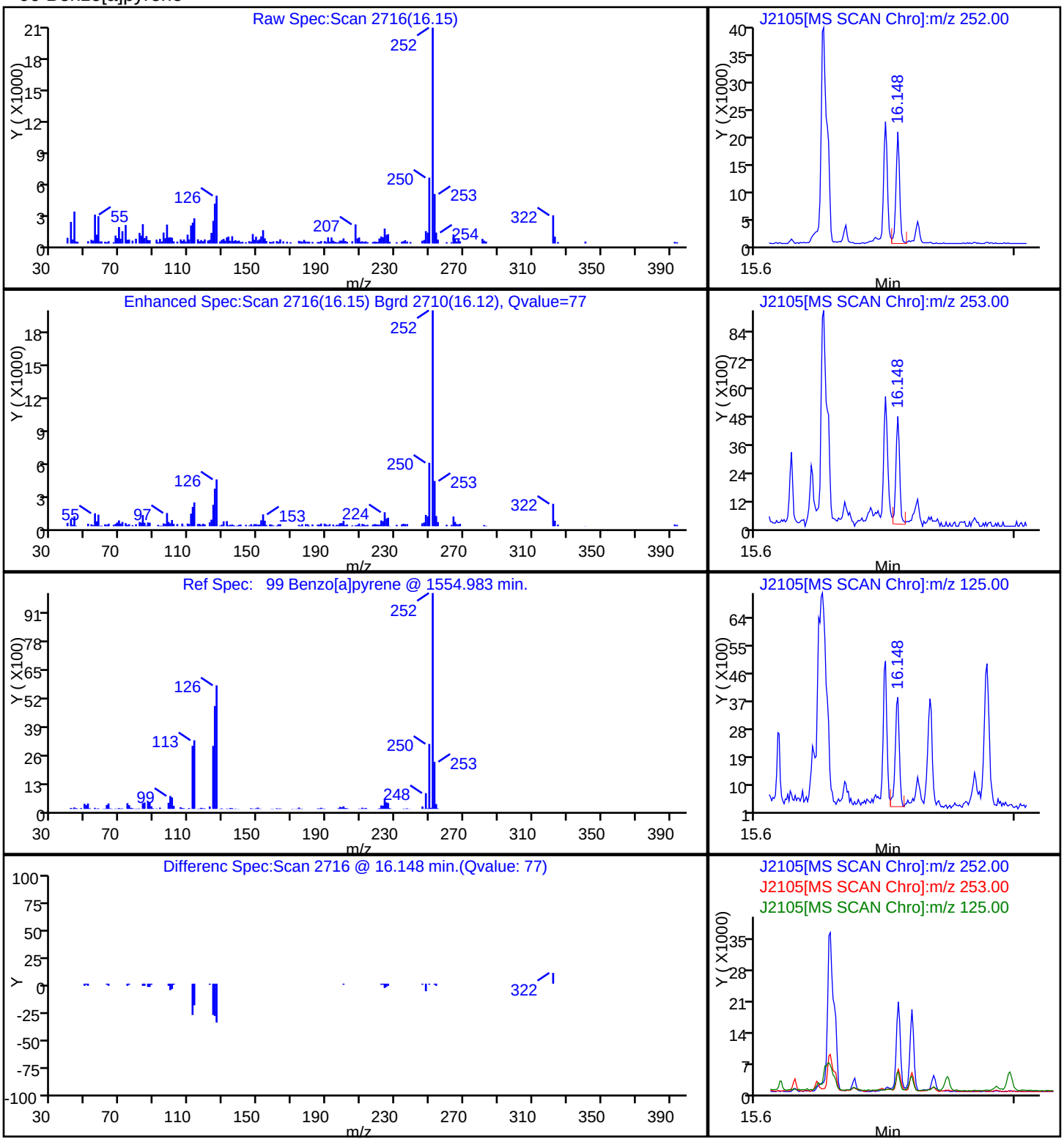
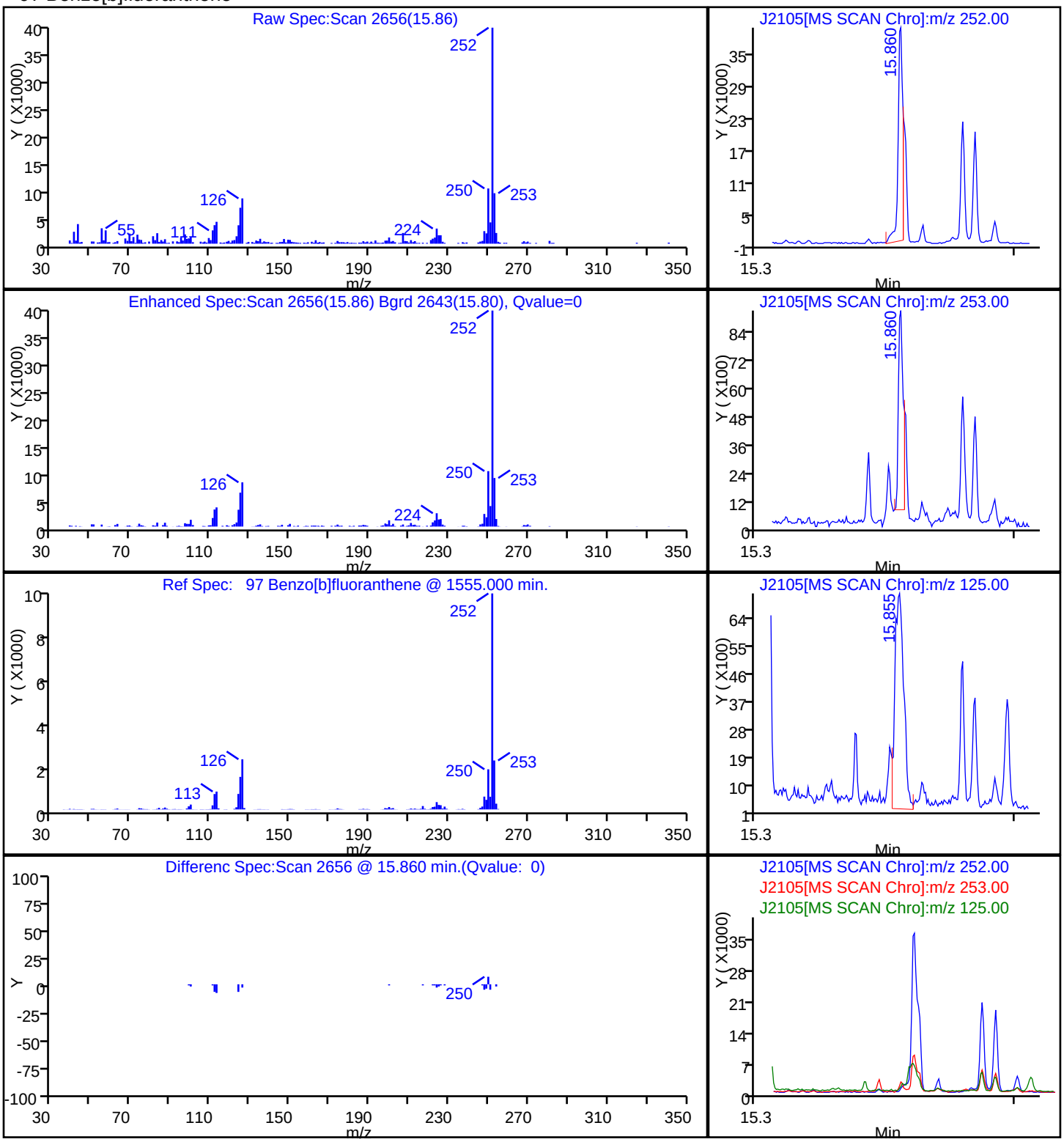
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

99 Benzo[a]pyrene



Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

97 Benzo[b]fluoranthene

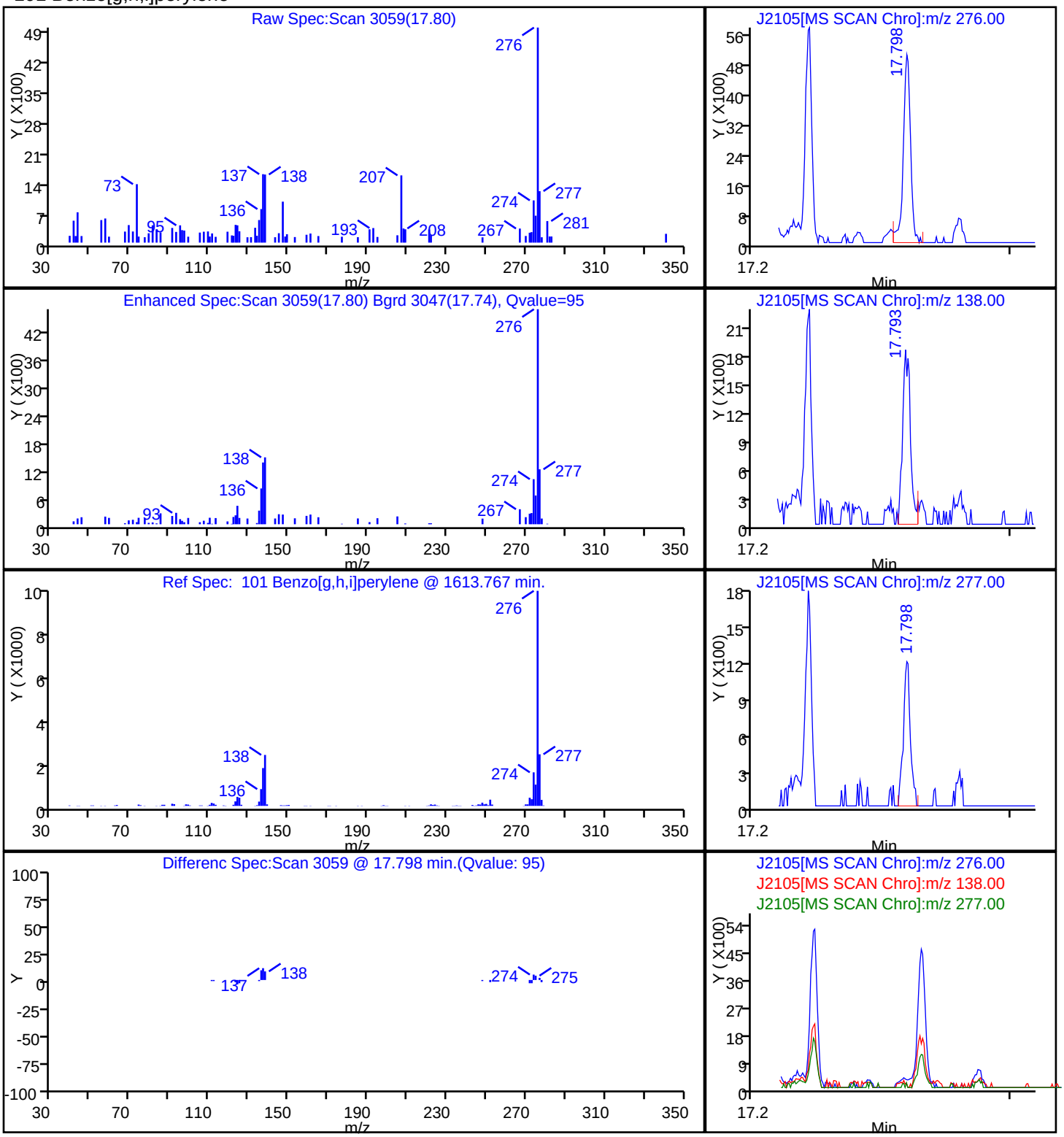


Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

101 Benzo[g,h,i]perylene



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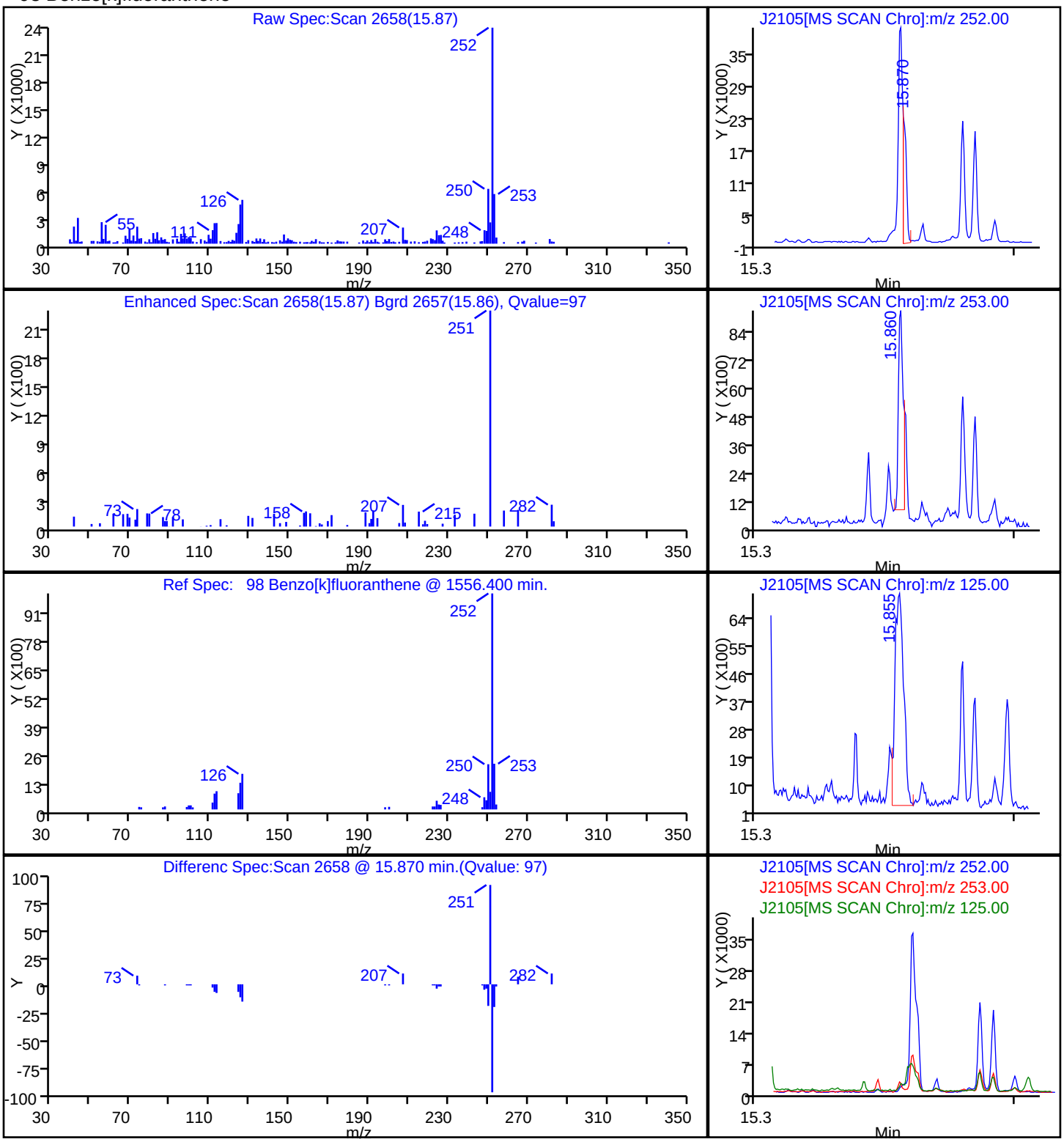
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

98 Benzo[k]fluoranthene



Report Date: 30-Dec-2010 12:45:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

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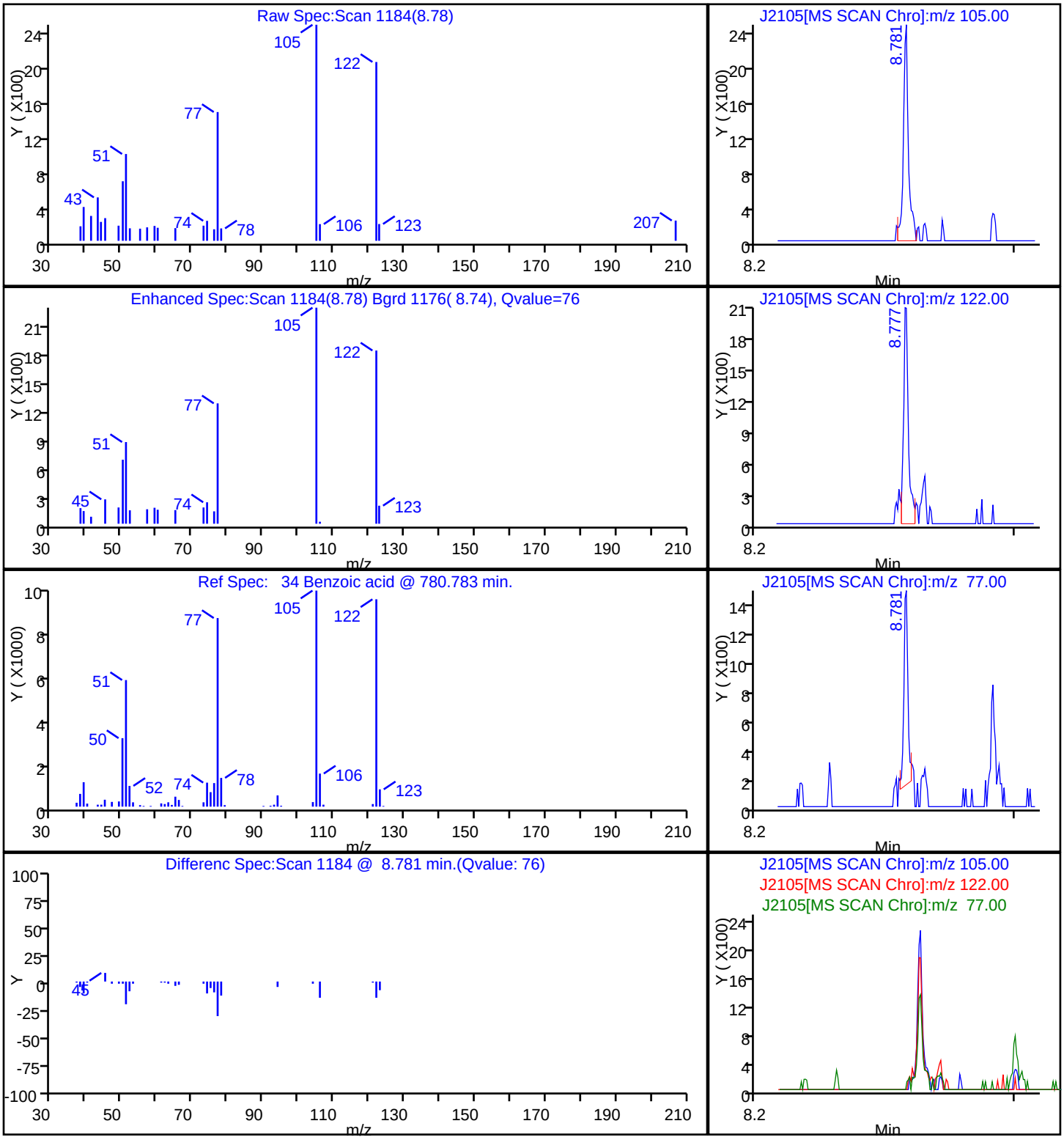
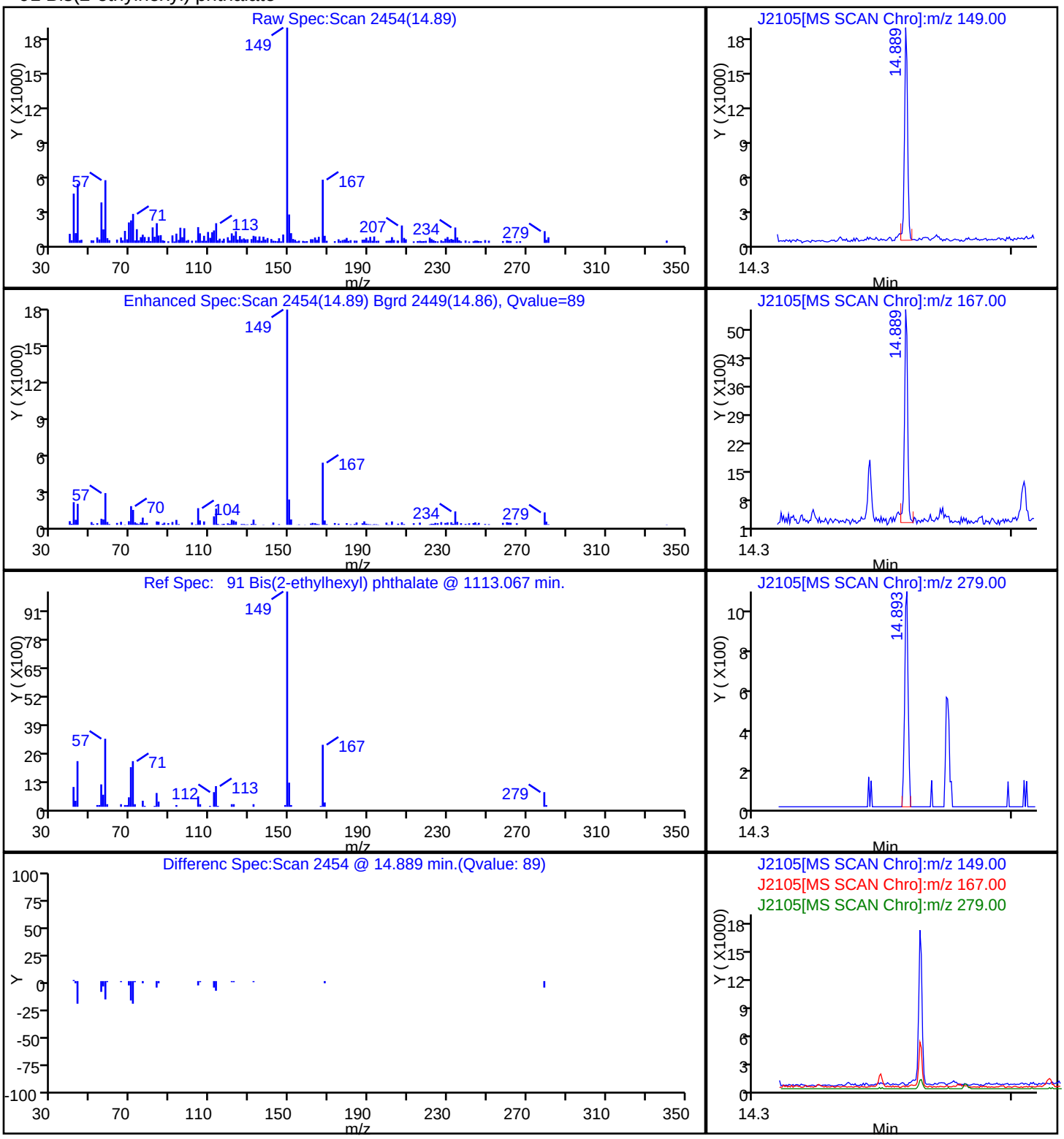
Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid



Report Date: 30-Dec-2010 12:45:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

91 Bis(2-ethylhexyl) phthalate

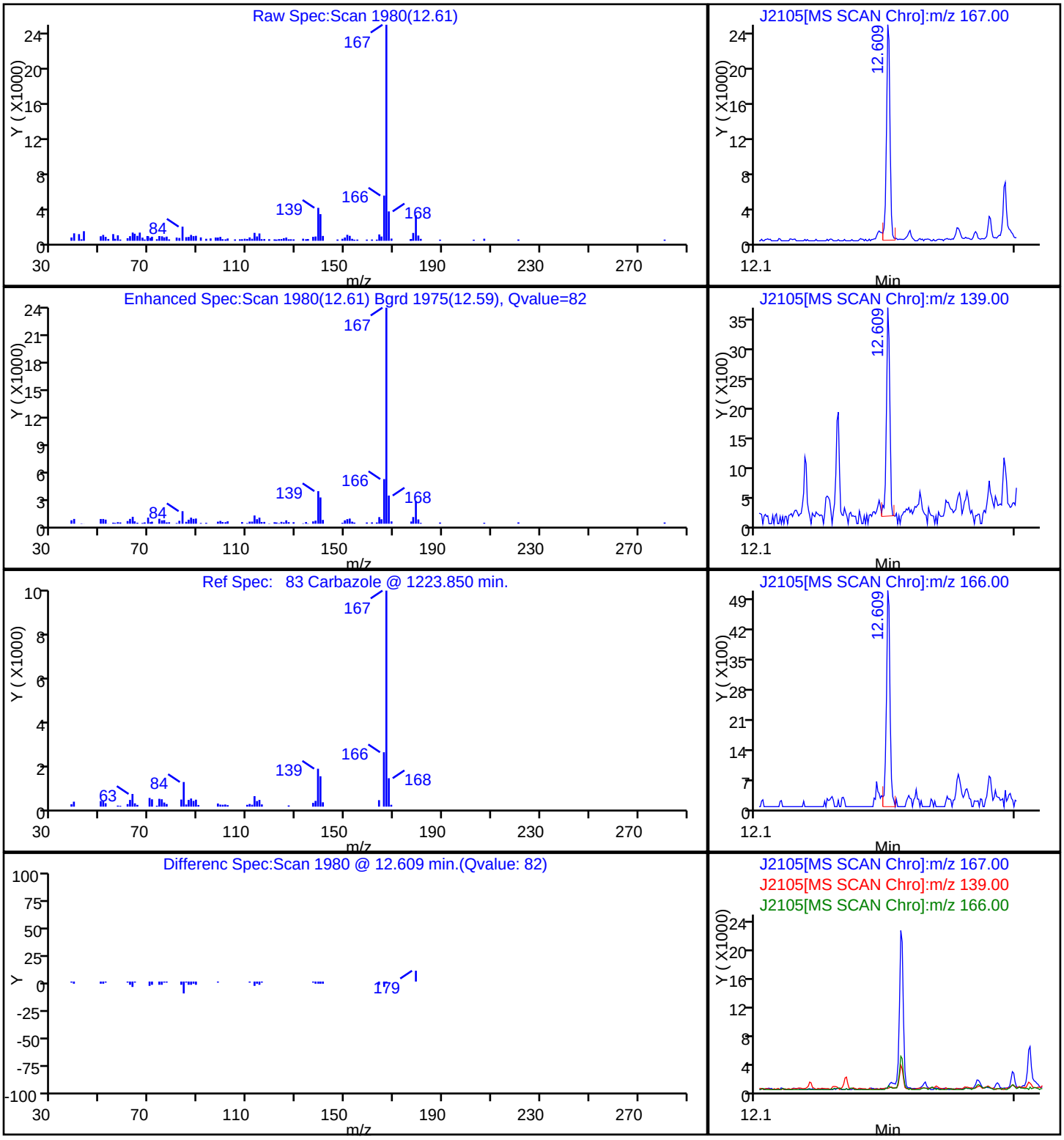


Report Date: 30-Dec-2010 12:45:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

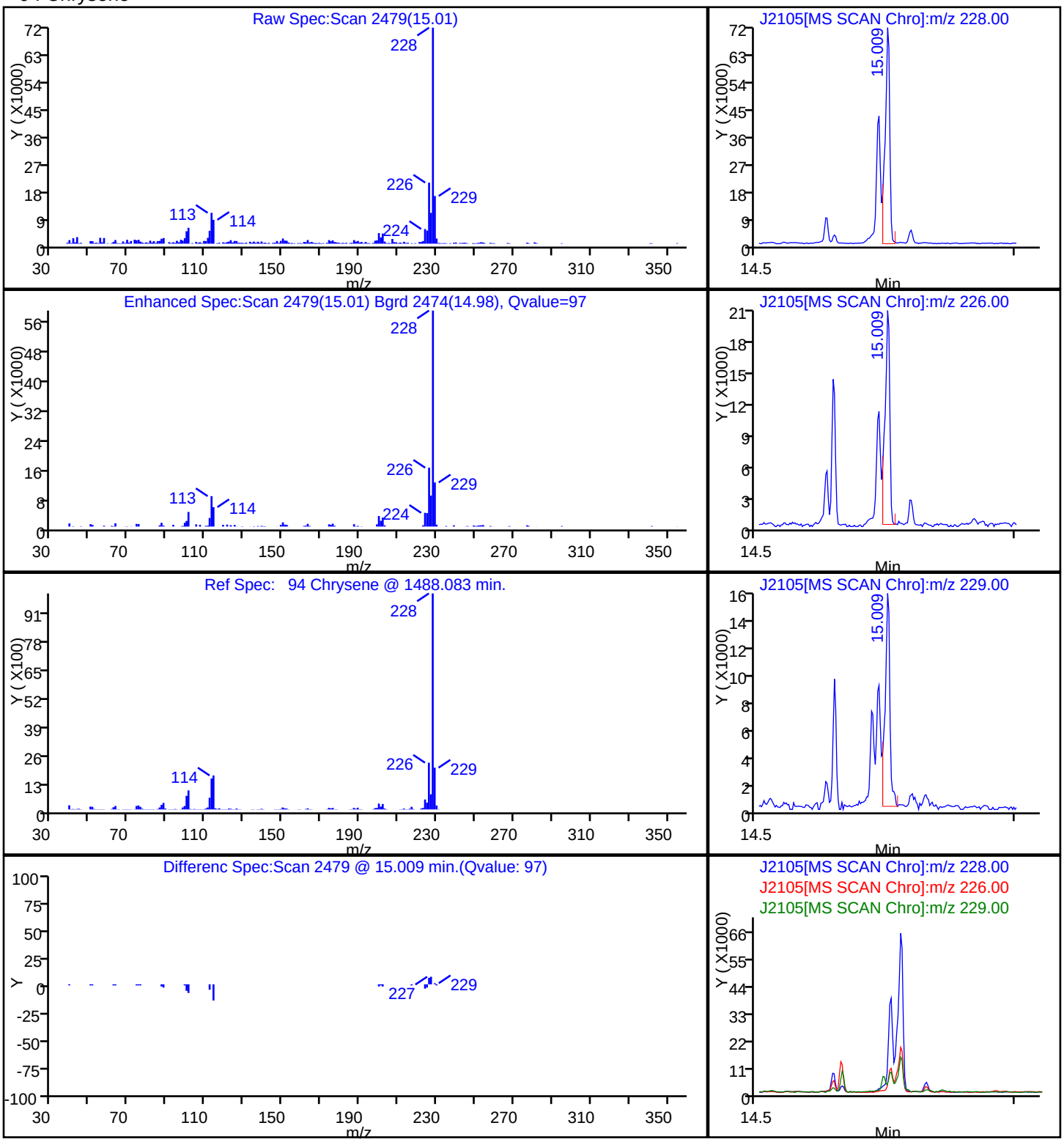
Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

83 Carbazole



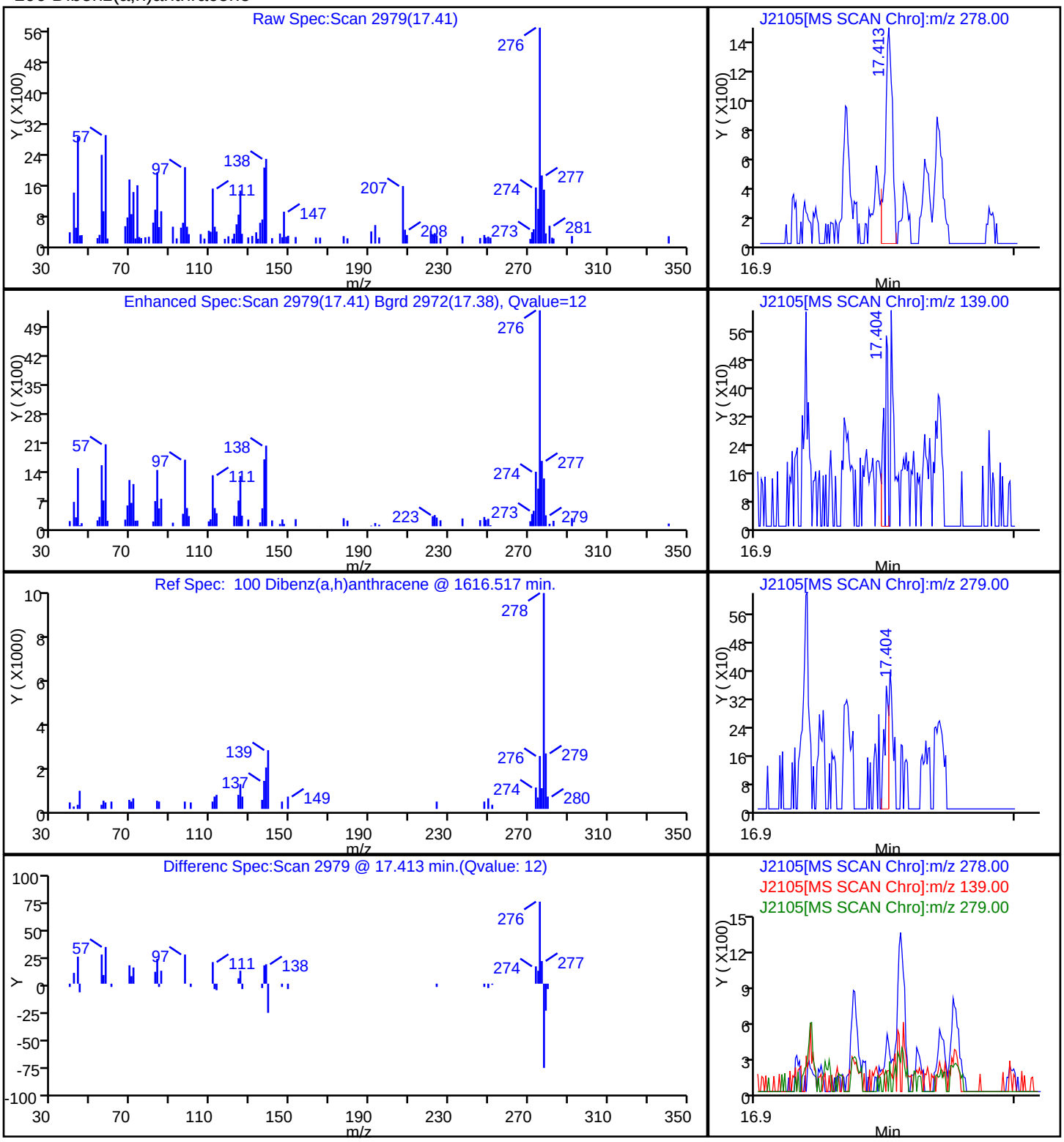
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

94 Chrysene



Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

100 Dibenz(a,h)anthracene

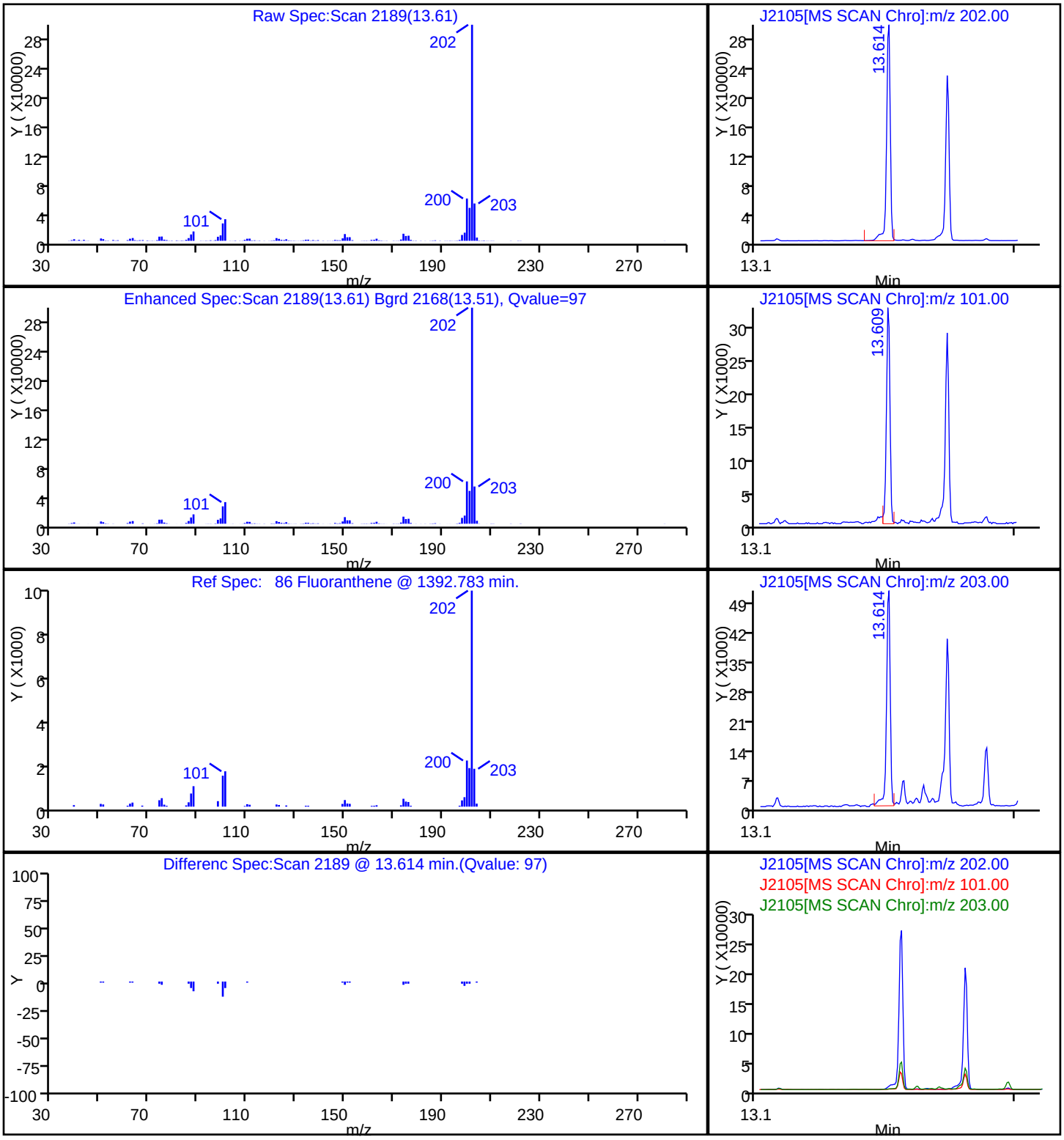


Report Date: 30-Dec-2010 12:45:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

86 Fluoranthene

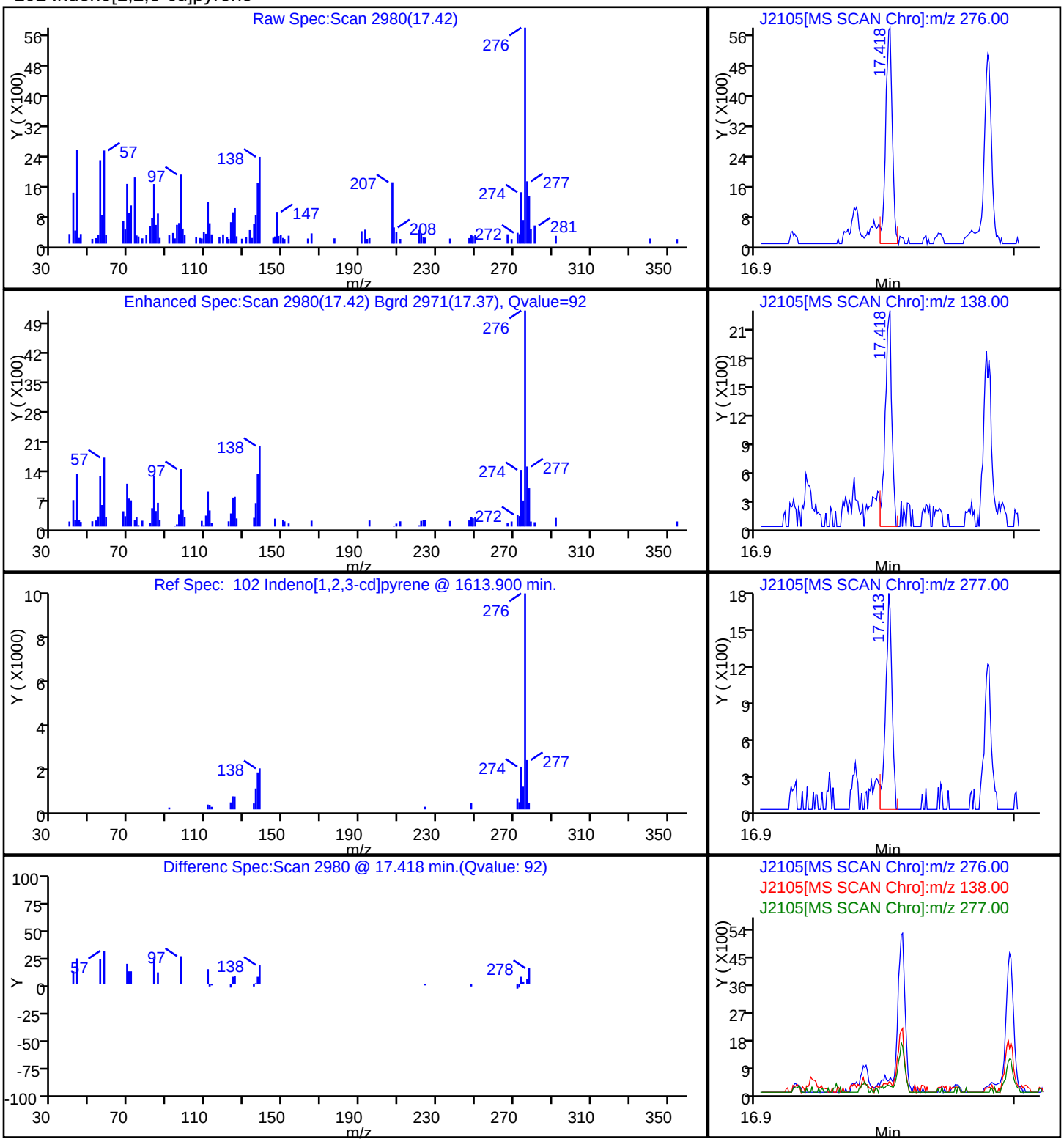


Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

102 Indeno[1,2,3-cd]pyrene



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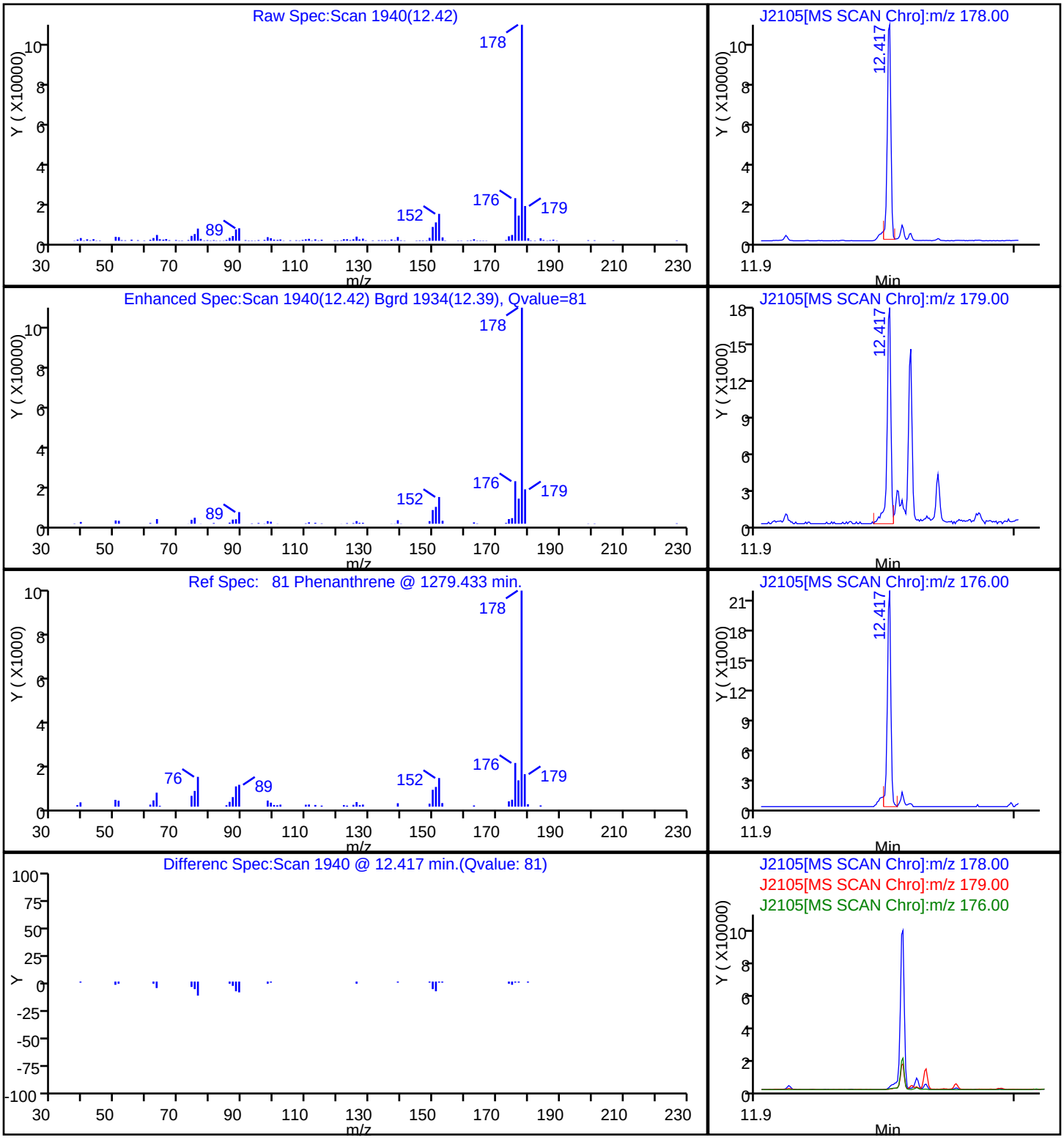
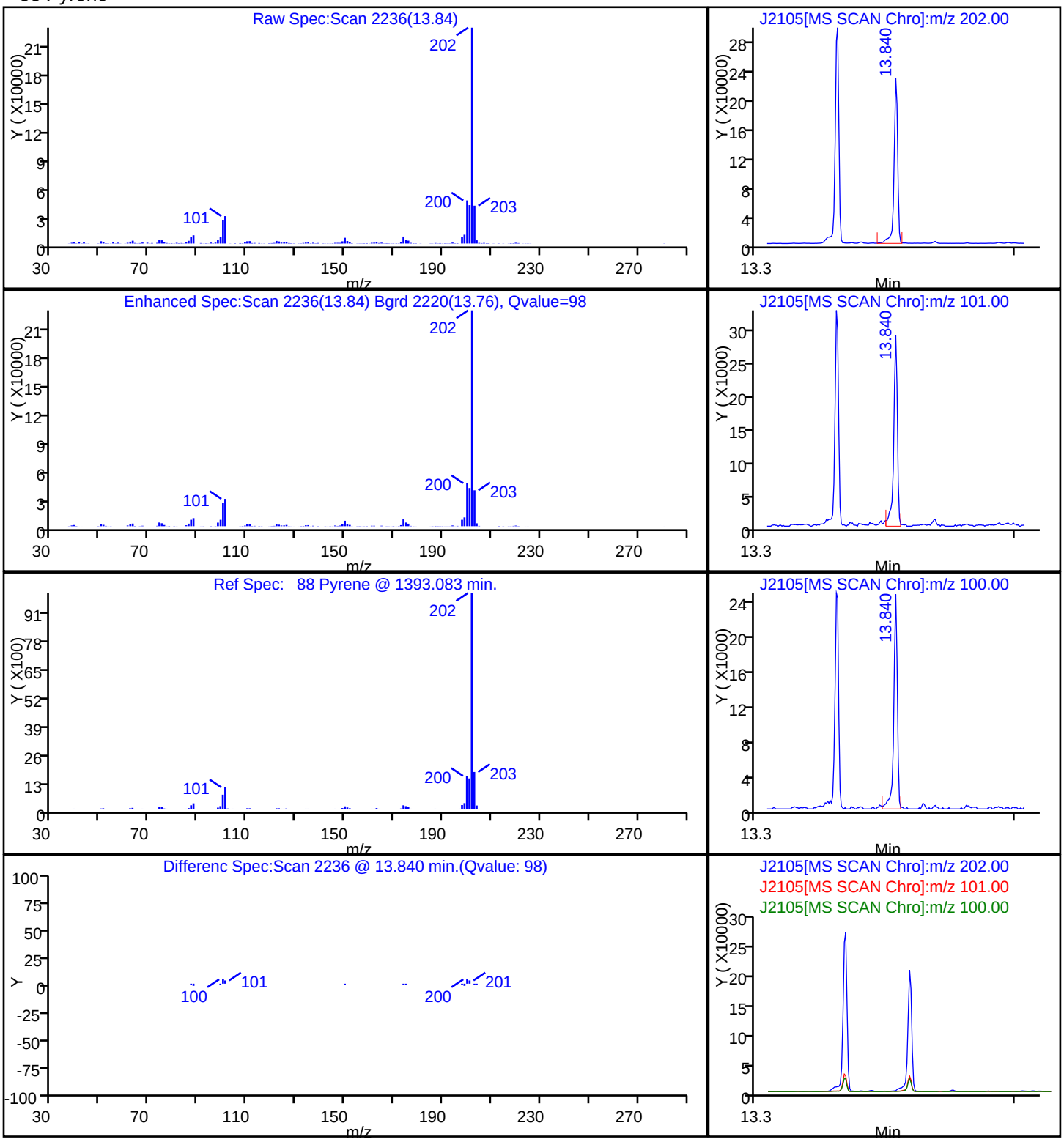
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

81 Phenanthrene



Report Date: 30-Dec-2010 12:45:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul
88 Pyrene



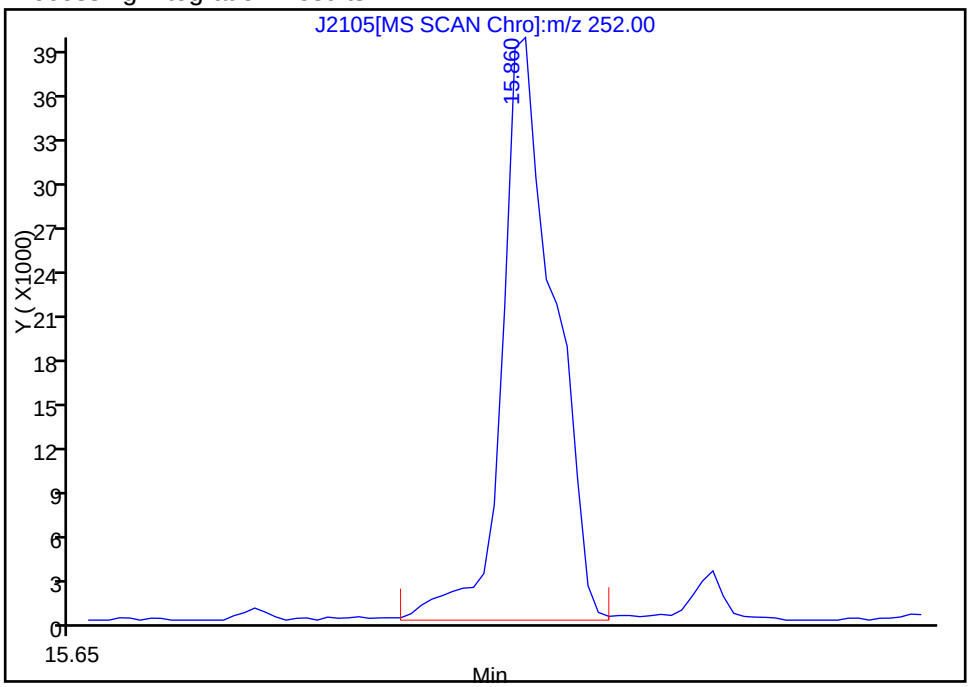
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D		
Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.85

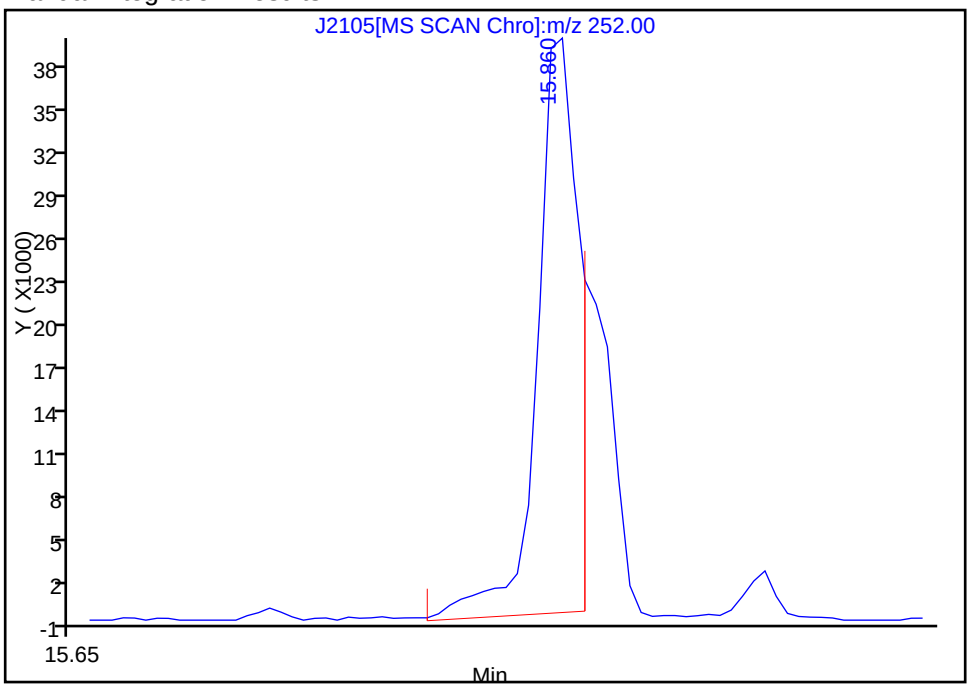
Processing Integration Results

RT: 15.86
Response: 65822
Amount: 4.786149



Manual Integration Results

RT: 15.86
Response: 49315
Amount: 3.585867



Reviewer: weigelb, 30-Dec-2010 12:45:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

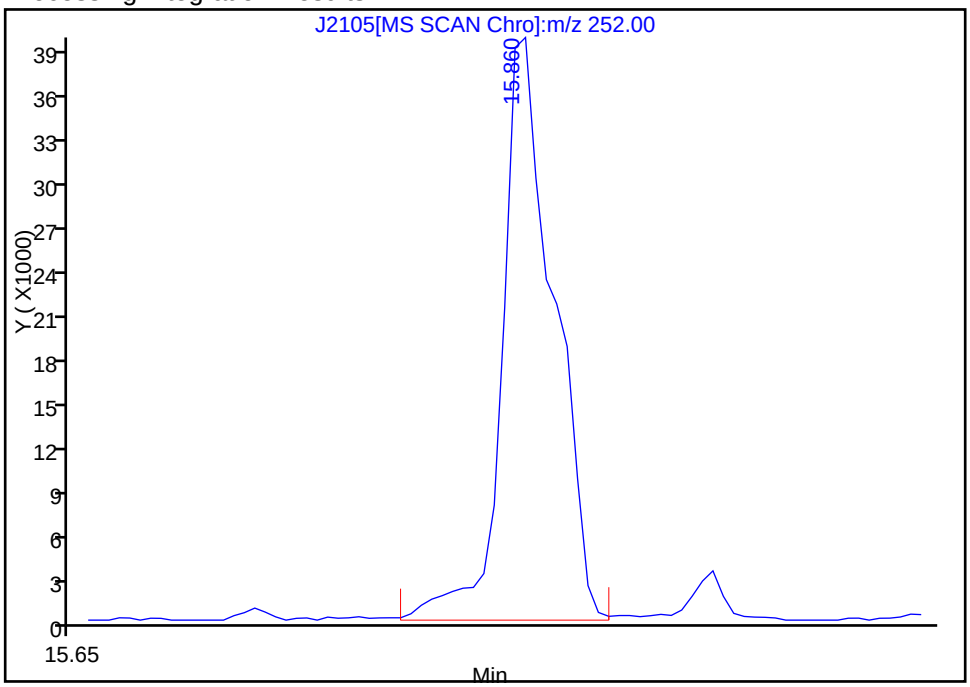
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D		
Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.87

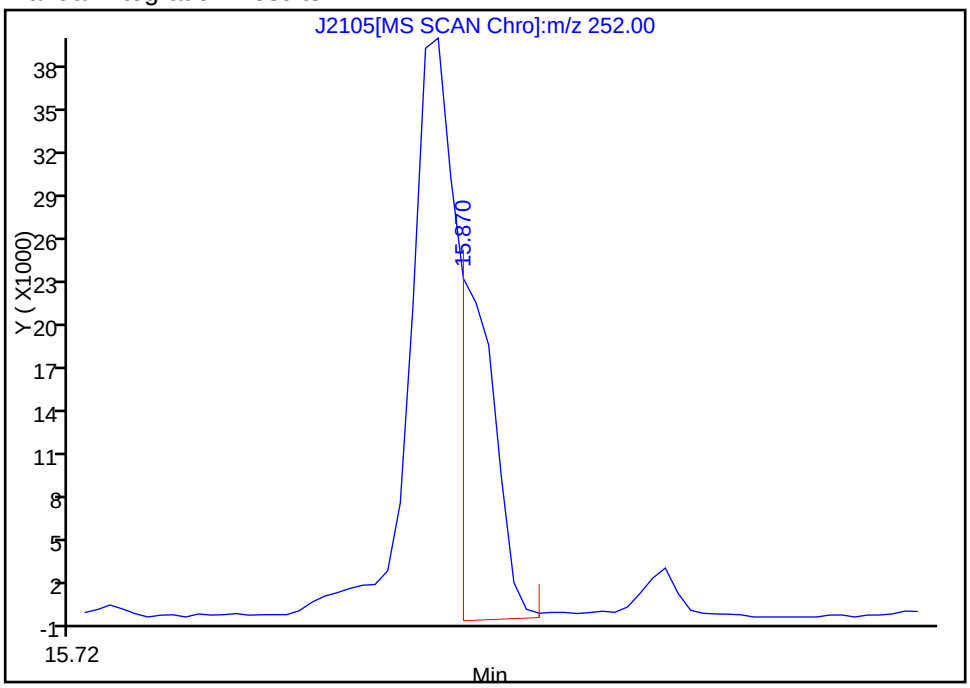
Processing Integration Results

RT: 15.86
Response: 65822
Amount: 5.282459



Manual Integration Results

RT: 15.87
Response: 22248
Amount: 1.785484



Reviewer: weigelb, 30-Dec-2010 12:45:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

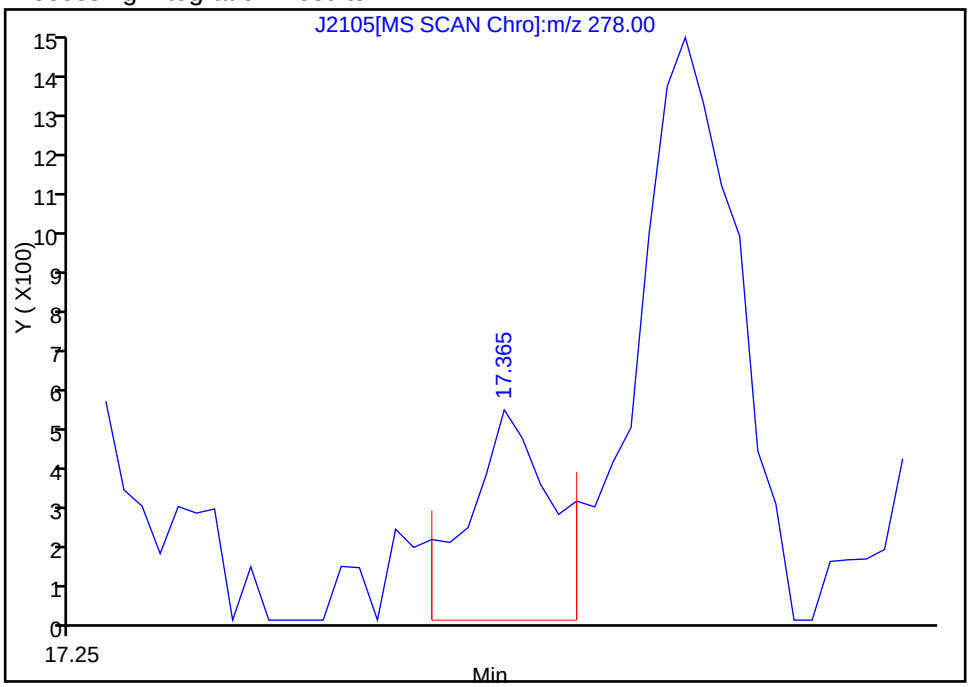
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D		
Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

100 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 17.41

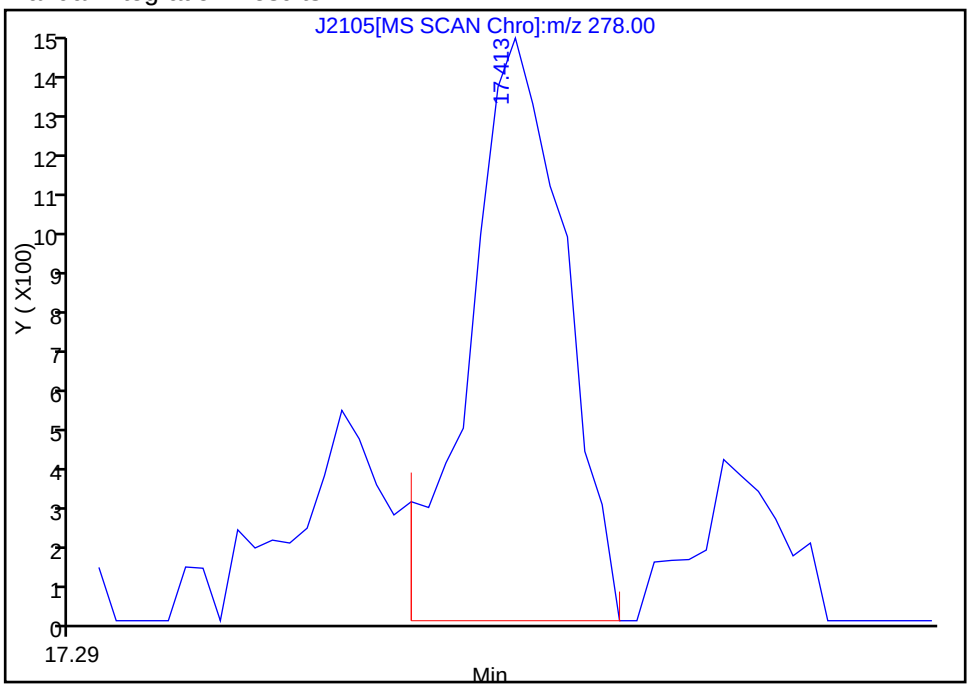
Processing Integration Results

RT: 17.37
Response: 802
Amount: 0.409387



Manual Integration Results

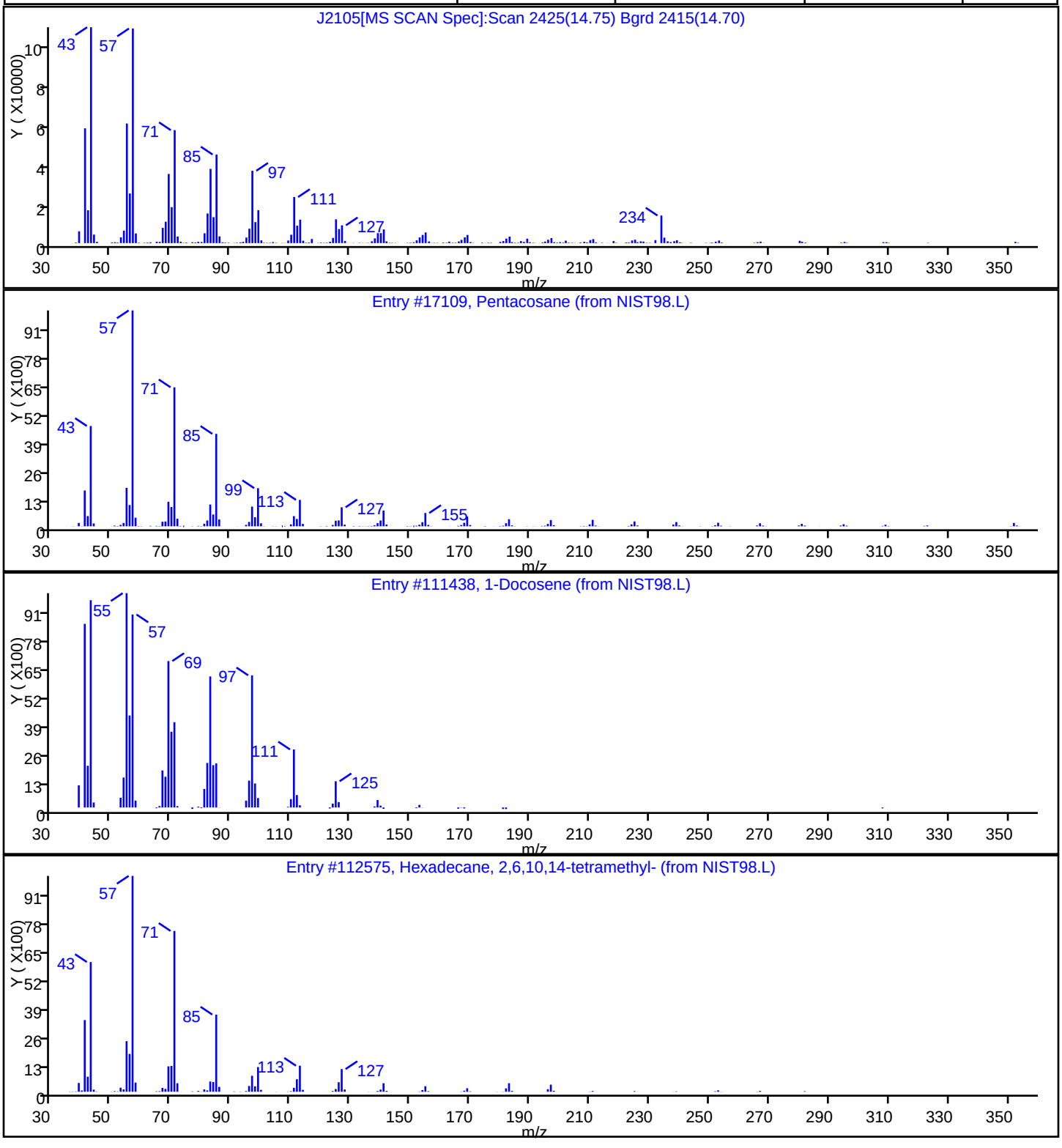
RT: 17.41
Response: 2589
Amount: 0.693056



Reviewer: weigelb, 30-Dec-2010 12:45:55
Audit Action: Assigned Compound ID
Audit Reason: Split Peak

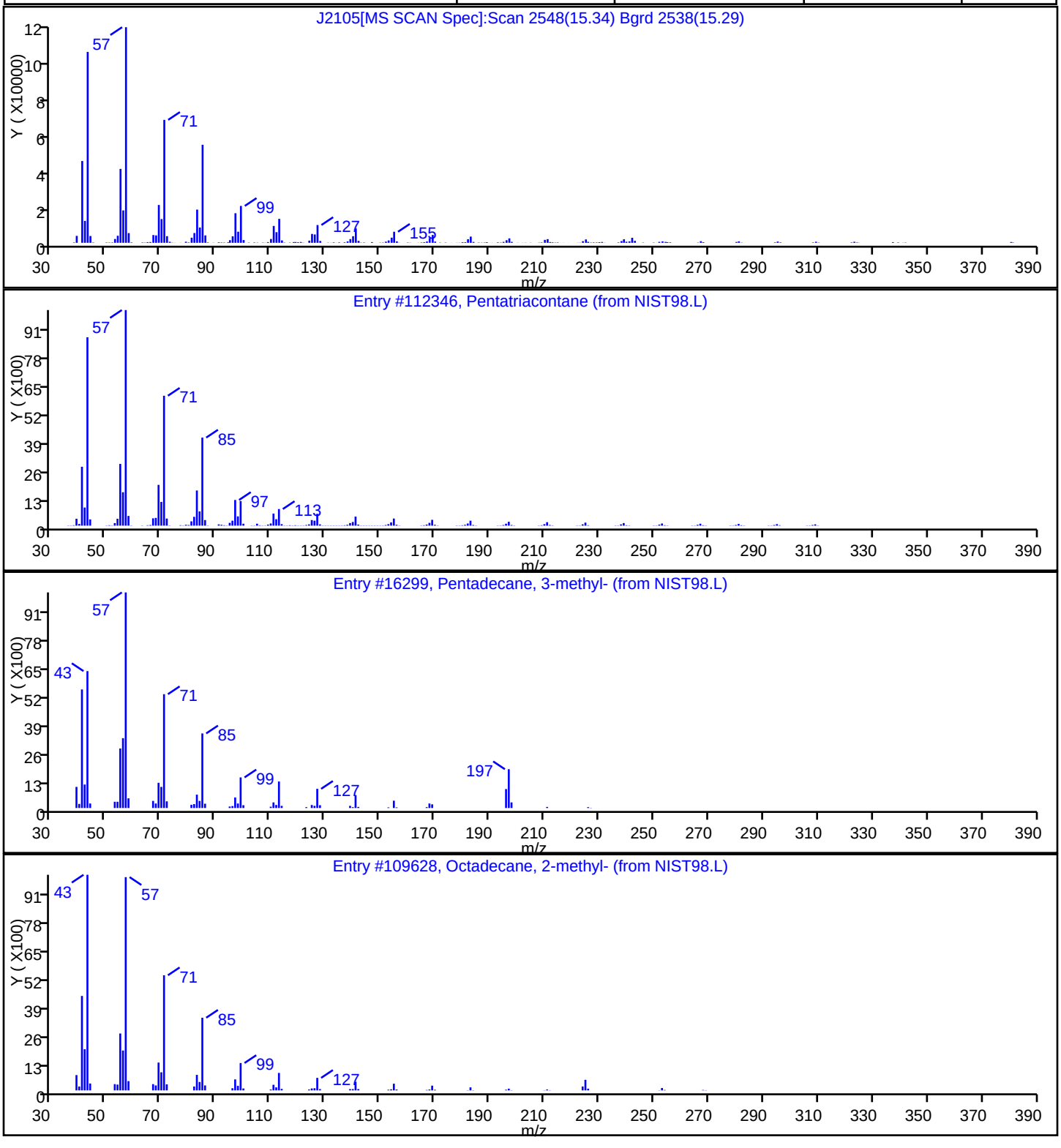
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	92
1-Docosene	1599-67-3	NIST98.L	111438	89
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.L	112575	86



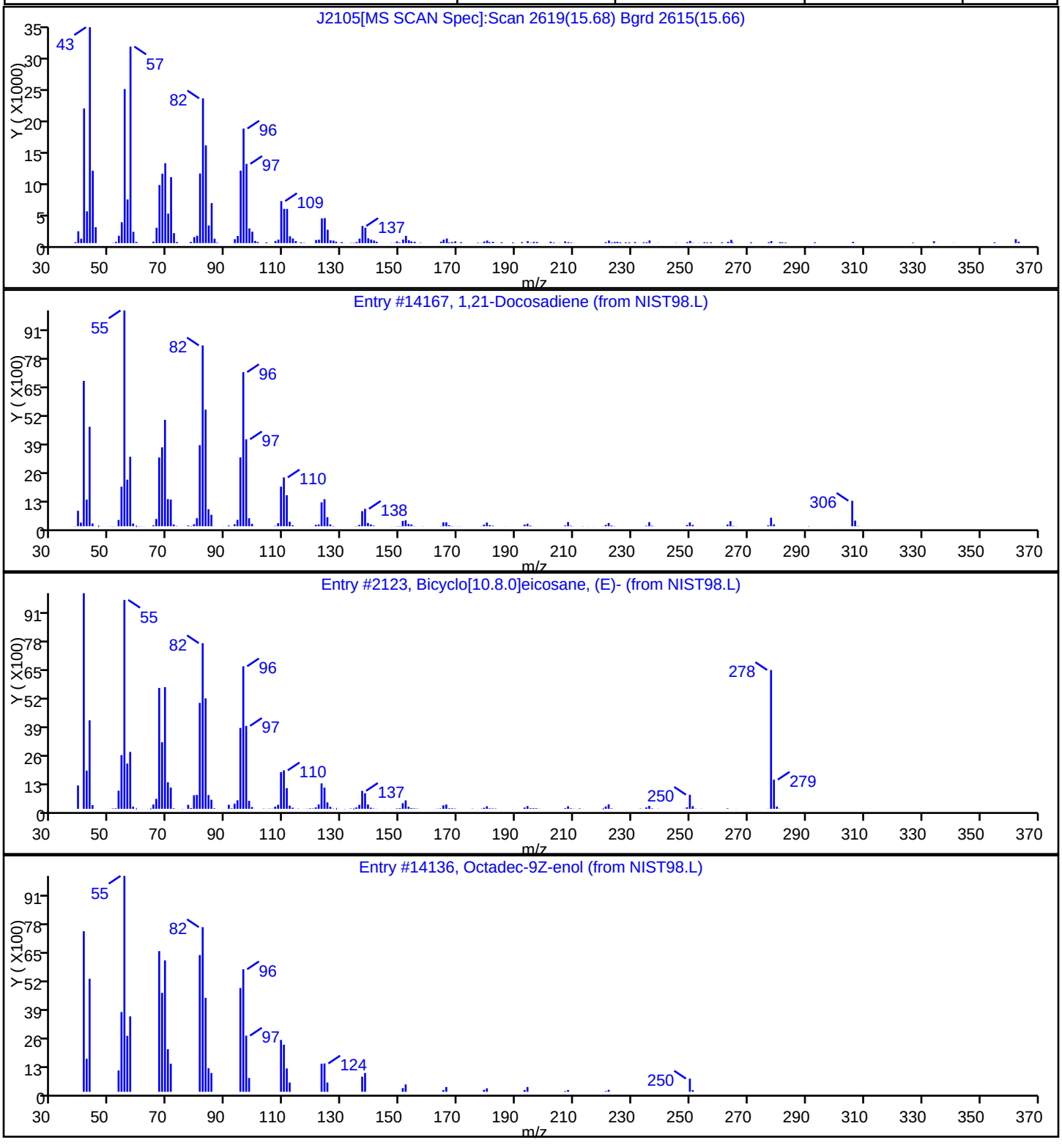
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentatriacontane	630-7-9	NIST98.L	112346	95
Pentadecane, 3-methyl-	2882-96-4	NIST98.L	16299	93
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	93



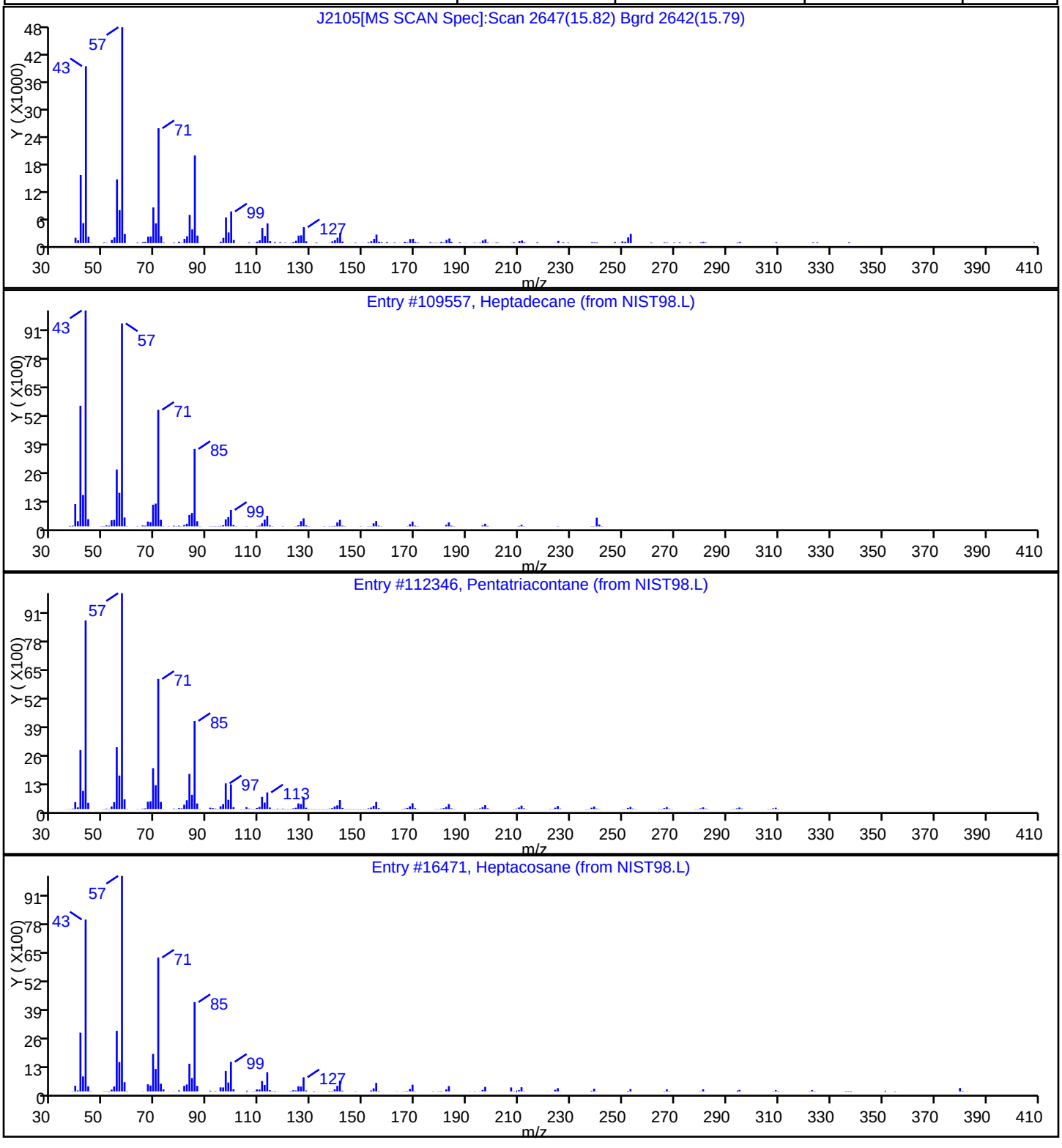
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,21-Docosadiene	53057-53-7	NIST98.L	14167	95
Bicyclo[10.8.0]eicosane, (E)-	1000155-85-0	NIST98.L	2123	94
Octadec-9Z-enol	1000143-79-7	NIST98.L	14136	91



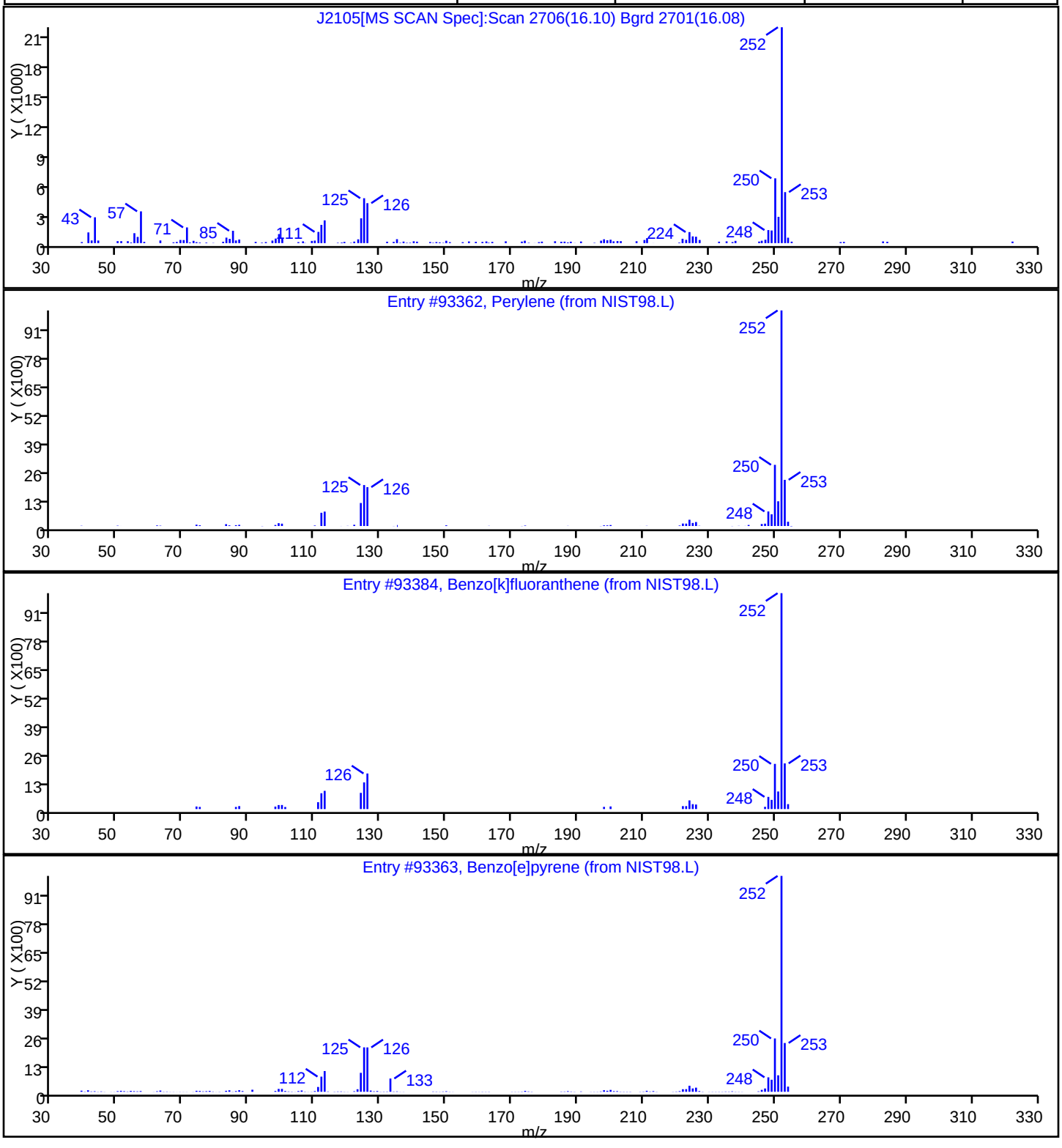
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	109557	95
Pentatriacontane	630-7-9	NIST98.L	112346	93
Heptacosane	593-49-7	NIST98.L	16471	91



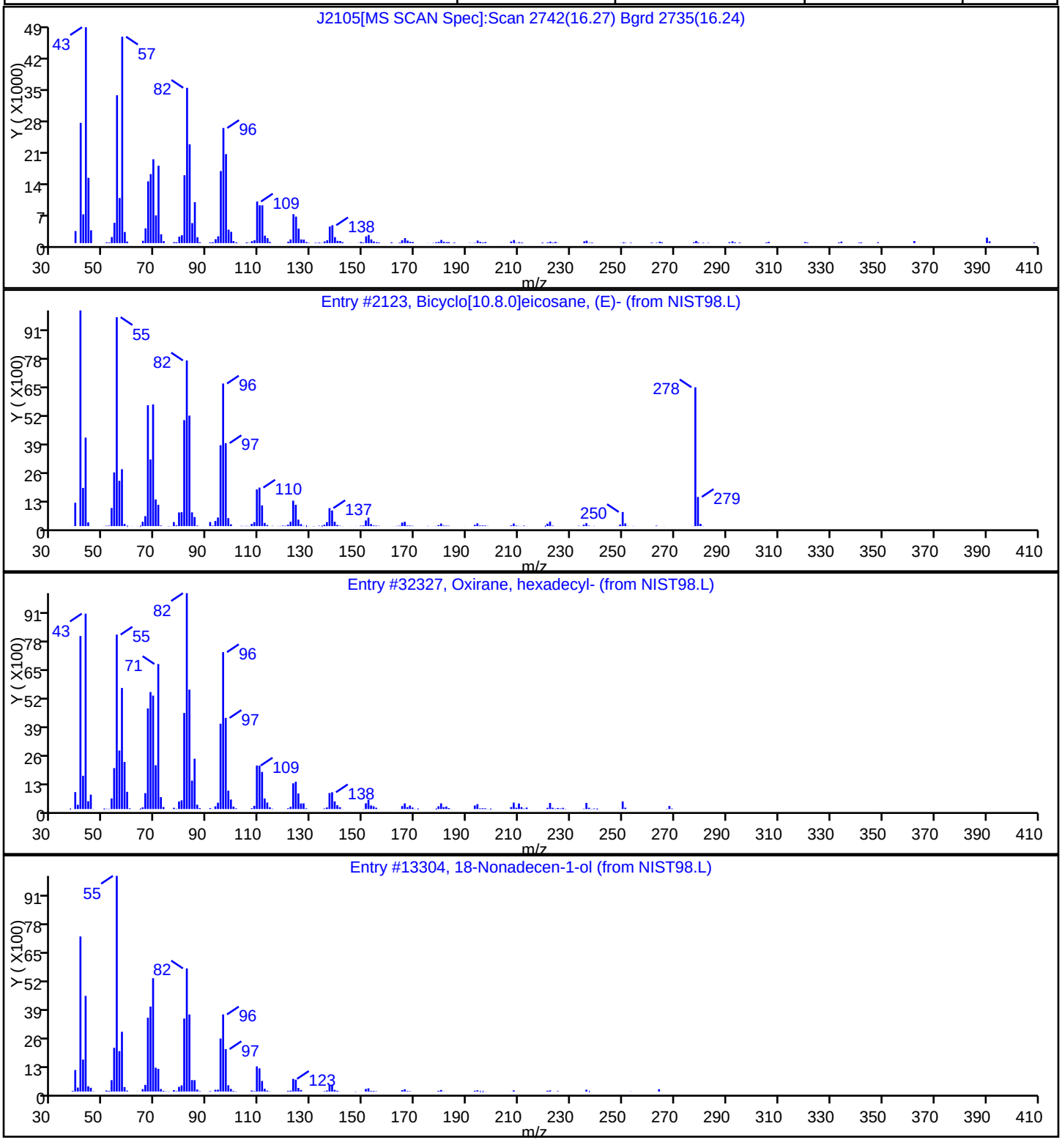
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Perylene	198-55-0	NIST98.L	93362	98
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	98
Benzo[e]pyrene	192-97-2	NIST98.L	93363	98



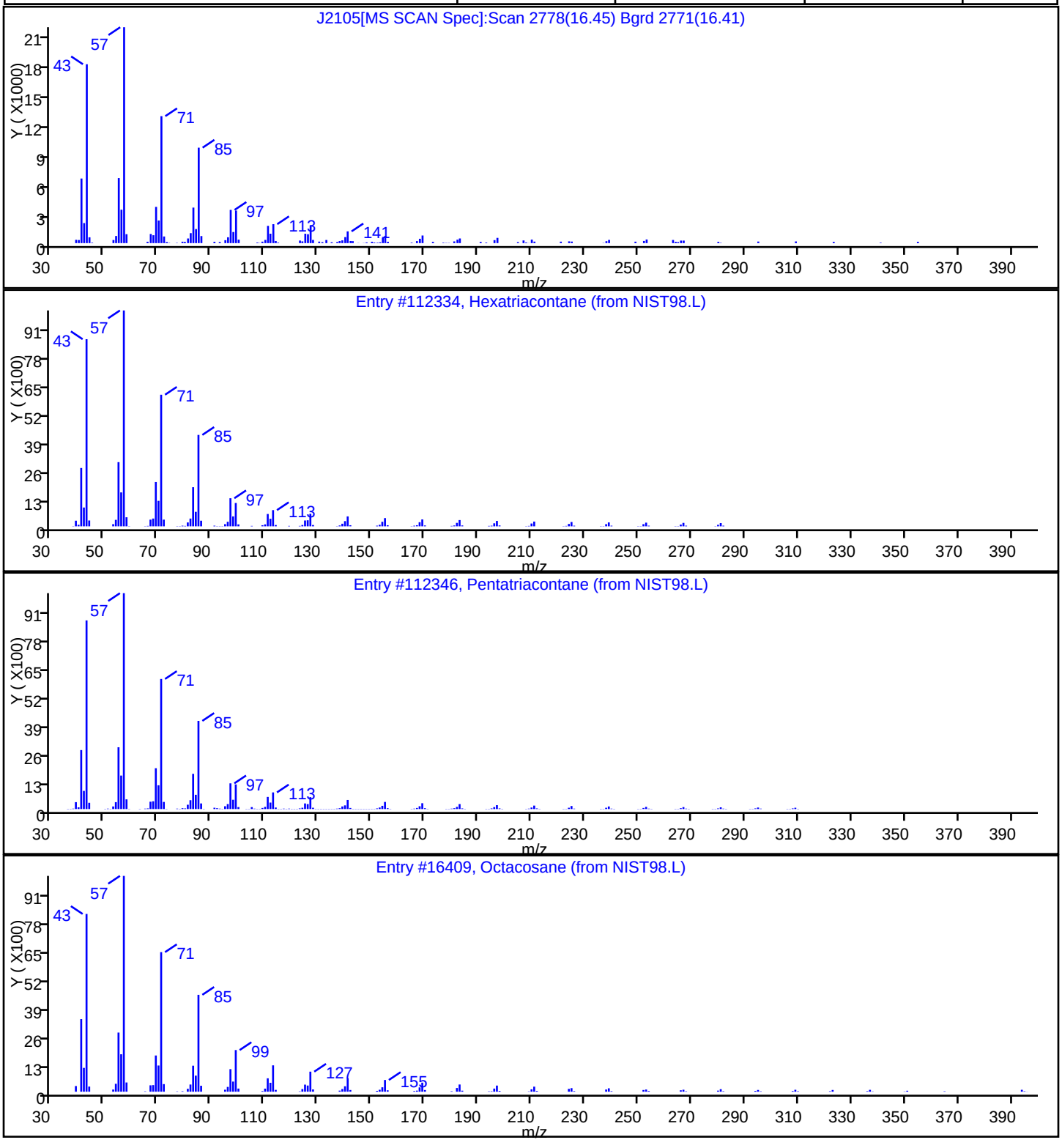
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Bicyclo[10.8.0]eicosane, (E)-	1000155-85-0	NIST98.L	2123	94
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	91
18-Nonadecen-1-ol	1000142-89-2	NIST98.L	13304	91



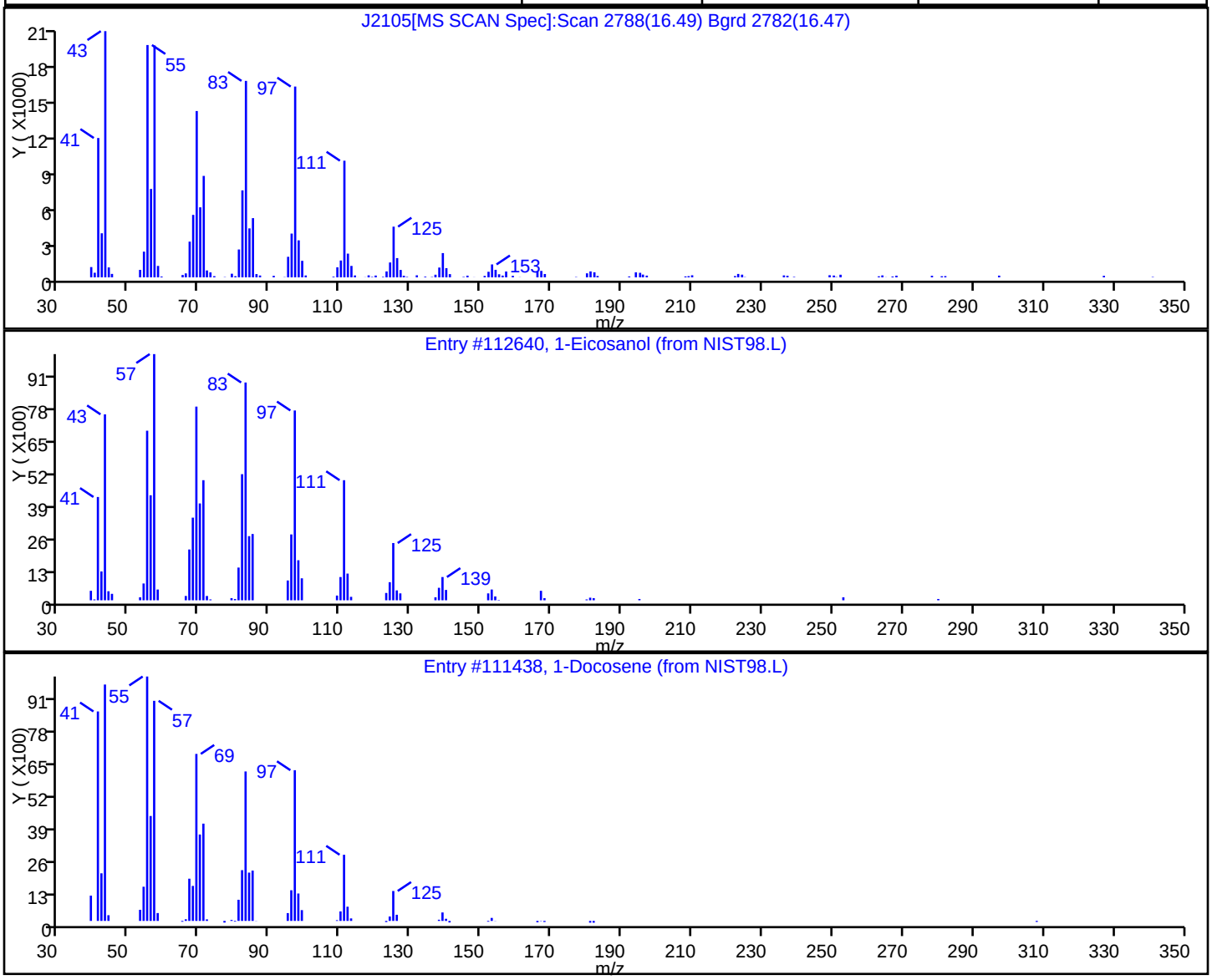
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexatriacontane	630-6-8	NIST98.L	112334	93
Pentatriacontane	630-7-9	NIST98.L	112346	93
Octacosane	630-2-4	NIST98.L	16409	91



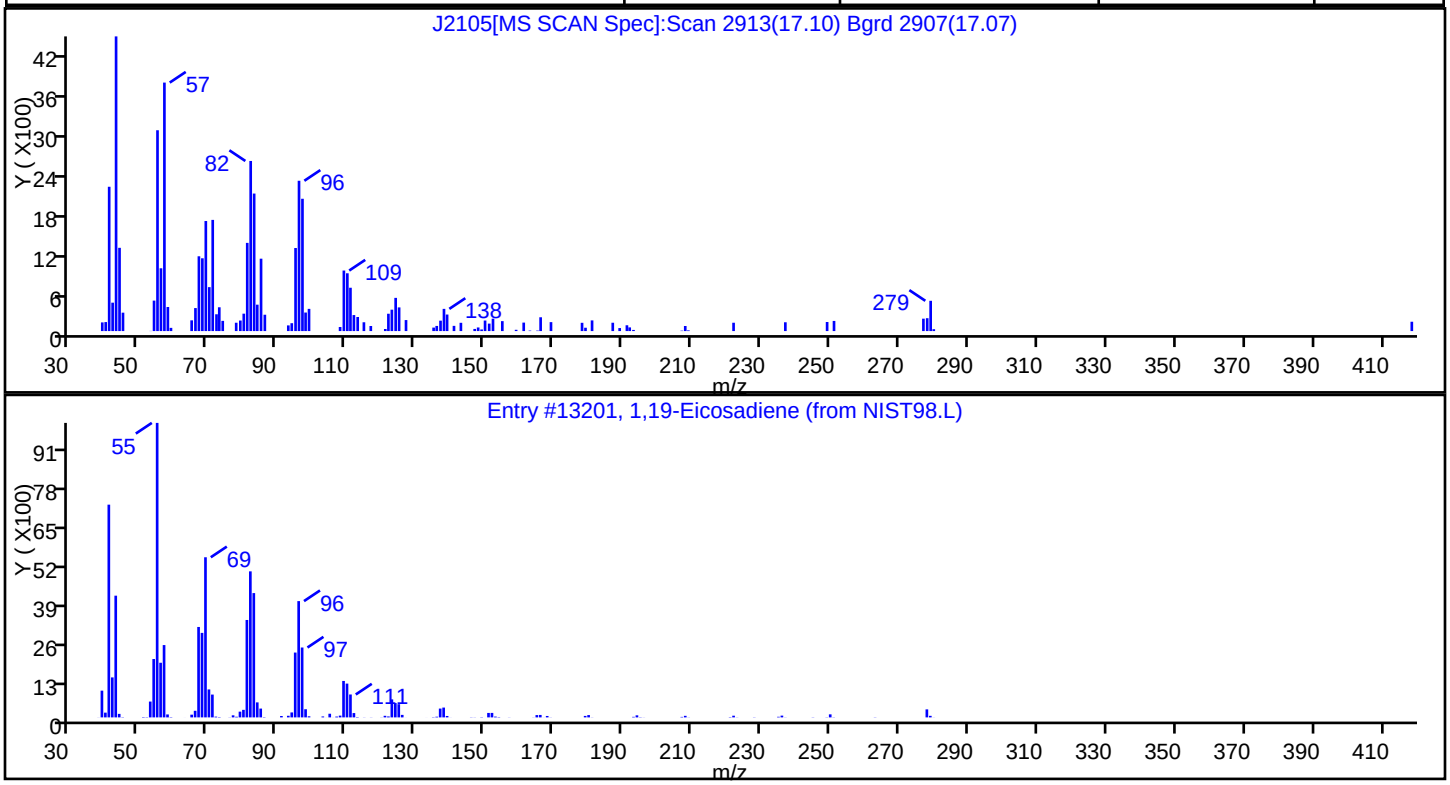
Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Eicosanol	629-96-9	NIST98.L	112640	93
1-Docosene	1599-67-3	NIST98.L	111438	90



Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D
Injection Date: 23-Dec-2010 12:54:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-2-XXX Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 14
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,19-Eicosadiene	14811-95-1	NIST98.L	13201	92

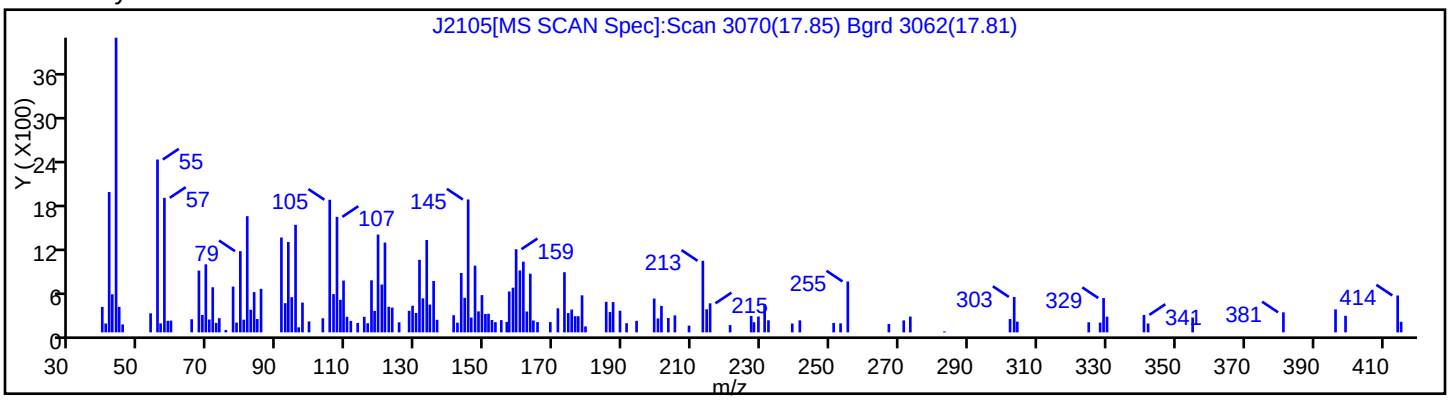


Report Date: 30-Dec-2010 12:45:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2105.D

Injection Date:	23-Dec-2010 12:54:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	14
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: J2083.D

Analysis Method: 8270D | Date Collected: 12/10/2010 12:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.08(g) | Date Analyzed: 12/21/2010 20:09

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 71.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		120	35
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		120	35
120-82-1	1,2,4-Trichlorobenzene	66	J	120	35
95-50-1	1,2-Dichlorobenzene	ND		120	35
541-73-1	1,3-Dichlorobenzene	ND		120	35
106-46-7	1,4-Dichlorobenzene	ND		120	35
90-12-0	1-Methylnaphthalene	ND		120	35
108-60-1	2,2'-oxybis[1-chloropropane]	ND		120	35
58-90-2	2,3,4,6-Tetrachlorophenol	ND		120	35
95-95-4	2,4,5-Trichlorophenol	ND		120	35
88-06-2	2,4,6-Trichlorophenol	ND		120	35
120-83-2	2,4-Dichlorophenol	ND		120	35
105-67-9	2,4-Dimethylphenol	ND		120	46
51-28-5	2,4-Dinitrophenol	ND		120	35
121-14-2	2,4-Dinitrotoluene	ND		120	35
606-20-2	2,6-Dinitrotoluene	ND		120	35
91-58-7	2-Chloronaphthalene	ND		120	35
95-57-8	2-Chlorophenol	ND		120	35
91-57-6	2-Methylnaphthalene	ND		120	35
95-48-7	2-Methylphenol	ND		120	70
88-74-4	2-Nitroaniline	ND		580	35
88-75-5	2-Nitrophenol	ND		120	35
15831-10-4	3 & 4 Methylphenol	ND		120	35
91-94-1	3,3'-Dichlorobenzidine	ND		230	35
99-09-2	3-Nitroaniline	ND		580	35
534-52-1	4,6-Dinitro-2-methylphenol	ND		580	35
101-55-3	4-Bromophenyl phenyl ether	ND		120	35
59-50-7	4-Chloro-3-methylphenol	ND		230	35
106-47-8	4-Chloroaniline	ND		230	35
7005-72-3	4-Chlorophenyl phenyl ether	61	J	120	35
100-01-6	4-Nitroaniline	ND		580	35
100-02-7	4-Nitrophenol	ND		580	35
83-32-9	Acenaphthene	ND		120	35
208-96-8	Acenaphthylene	ND		120	35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: J2083.D

Analysis Method: 8270D | Date Collected: 12/10/2010 12:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.08(g) | Date Analyzed: 12/21/2010 20:09

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 71.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		120	35
62-53-3	Aniline	ND		120	35
120-12-7	Anthracene	ND		120	35
1912-24-9	Atrazine	ND		120	35
103-33-3	Azobenzene	ND		120	35
100-52-7	Benzaldehyde	ND		120	35
56-55-3	Benzo[a]anthracene	98	J	120	35
50-32-8	Benzo[a]pyrene	140		120	35
205-99-2	Benzo[b]fluoranthene	ND		120	35
191-24-2	Benzo[g,h,i]perylene	140		120	35
207-08-9	Benzo[k]fluoranthene	ND		120	35
65-85-0	Benzoic acid	420	J	580	52
119-61-9	Benzophenone	200		120	35
100-51-6	Benzyl alcohol	ND		230	99
111-91-1	Bis(2-chloroethoxy)methane	ND		120	35
111-44-4	Bis(2-chloroethyl)ether	ND		120	35
117-81-7	Bis(2-ethylhexyl) phthalate	120		120	35
85-68-7	Butyl benzyl phthalate	ND		120	35
105-60-2	Caprolactam	ND		120	35
86-74-8	Carbazole	44	J	120	35
218-01-9	Chrysene	210		120	35
53-70-3	Dibenz(a,h)anthracene	ND		120	35
132-64-9	Dibenzofuran	ND		120	35
84-66-2	Diethyl phthalate	ND		120	35
131-11-3	Dimethyl phthalate	ND		120	35
84-74-2	Di-n-butyl phthalate	ND		120	100
117-84-0	Di-n-octyl phthalate	ND		120	59
206-44-0	Fluoranthene	340		120	35
86-73-7	Fluorene	ND		120	35
118-74-1	Hexachlorobenzene	ND		120	35
87-68-3	Hexachlorobutadiene	ND		120	35
77-47-4	Hexachlorocyclopentadiene	ND		230	35
67-72-1	Hexachloroethane	ND		120	35
193-39-5	Indeno[1,2,3-cd]pyrene	140		120	35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: J2083.D

Analysis Method: 8270D | Date Collected: 12/10/2010 12:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.08(g) | Date Analyzed: 12/21/2010 20:09

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 71.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		120	35
91-20-3	Naphthalene	ND		280	35
98-95-3	Nitrobenzene	ND		120	35
621-64-7	N-Nitrosodi-n-propylamine	ND		120	35
86-30-6	N-Nitrosodiphenylamine	800		120	35
87-86-5	Pentachlorophenol	ND		120	35
85-01-8	Phenanthrene	100	J	140	35
108-95-2	Phenol	ND		120	35
101-84-8	Diphenyl oxide	860		120	35
129-00-0	Pyrene	350		120	35
62-75-9	N-Nitrosodimethylamine	ND		120	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	71		30-130
321-60-8	2-Fluorobiphenyl	47		30-130
367-12-4	2-Fluorophenol	64		30-130
4165-60-0	Nitrobenzene-d5	60		30-130
4165-62-2	Phenol-d5	66		30-130
1718-51-0	Terphenyl-d14	46		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX | Lab Sample ID: 360-31465-11

Matrix: Solid | Lab File ID: J2083.D

Analysis Method: 8270D | Date Collected: 12/10/2010 12:30

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.08(g) | Date Analyzed: 12/21/2010 20:09

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 71.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 95500

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.21	54000	T J
	Unknown	12.02	4100	T J
	Unknown	12.14	3400	T J
	Unknown	12.18	4000	T J
	Unknown	12.21	3500	T J
629-99-2	Pentacosane	15.96	7900	T J N
	Unknown	15.98	6200	T J
1000155-85-0	Bicyclo[10.8.0]eicosane, (E)-	16.44	3500	T J N
7225-64-1	Heptadecane, 9-octyl-	16.63	5100	T J N
71502-22-2	9-Hexacosene	16.68	3800	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D
Lims ID: 360-31465-A-11-D
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Inject. Date: 21-Dec-2010 20:09:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-11-D
Misc. Info.:
Operator: CT
Instrument ID: Inst. J
Vol. Injected: 2.0000
ALS Bottle#: 13
Lims Batch ID: 67510
Lims Sample ID: 15
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15
Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 22-Dec-2010 14:48:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.931	7.932	-0.001	93	73138	4.00	
* 2 Naphthalene-d8	136	9.259	9.259	0.0	99	295236	4.00	
* 3 Acenaphthene-d10	164	11.038	11.043	-0.005	90	159367	4.00	
* 4 Phenanthrene-d10	188	12.548	12.539	0.009	96	279017	4.00	
* 5 Chrysene-d12	240	15.140	15.140	0.0	77	121540	4.00	
* 6 Perylene-d12	264	16.371	16.362	0.009	81	44476	4.00	
$ 7 2-Fluorophenol	112	6.493	6.456	0.037	85	106232	6.43	
$ 8 Phenol-d5	99	7.513	7.514	-0.001	89	118837	6.63	
$ 9 Nitrobenzene-d5	82	8.504	8.509	-0.005	88	45081	3.02	
$ 10 2-Fluorobiphenyl	172	10.331	10.336	-0.005	99	97252	2.37	
$ 11 2,4,6-Tribromophenol	330	11.836	11.832	0.004	81	24541	7.06	
$ 12 Terphenyl-d14	244	14.091	14.092	-0.001	98	49364	2.29	
21 1,3-Dichlorobenzene	146	7.874	7.874	0.0	96	3409	0.1604	
22 1,4-Dichlorobenzene	146	7.946	7.951	-0.005	48	1632	0.0747	A
23 Benzyl alcohol	79	8.056	8.062	-0.006	80	1327	0.1261	
24 1,2-Dichlorobenzene	146	8.114	8.115	-0.001	54	509	0.0252	
27 3 & 4 Methylphenol	107	8.321	8.326	-0.005	76	989	0.0625	
29 Acetophenone	105	8.340	8.345	-0.005	85	1059	0.0498	
34 Benzoic acid	105	8.917	8.927	-0.010	78	5336	3.64	
38 1,2,4-Trichlorobenzene	180	9.191	9.197	-0.006	94	9744	0.5640	
40 Naphthalene	128	9.278	9.283	-0.005	97	5098	0.0888	
45 2-Methylnaphthalene	142	9.980	9.980	0.0	90	1364	0.0378	
46 1-Methylnaphthalene	142	10.081	10.081	0.0	75	1149	0.0319	
51 1,1'-Biphenyl	154	10.442	10.442	0.0	92	8631	0.1897	
53 Phenyl ether	170	10.538	10.538	0.0	95	171140	7.43	
64 Dibenzofuran	168	11.245	11.245	0.0	94	8433	0.1787	
67 4-Chlorophenyl phenyl ether	204	11.562	11.563	-0.001	89	9355	0.5249	
70 Fluorene	166	11.586	11.591	-0.005	97	3892	0.1008	
75 N-Nitrosodiphenylamine	169	11.677	11.678	-0.001	52	192548	6.84	
74 Benzophenone	105	11.740	11.736	0.004	86	61624	1.72	
81 Phenanthrene	178	12.567	12.563	0.004	98	48557	0.8895	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
82 Anthracene	178	12.620	12.616	0.004	0	5717	0.1086	A
55 DFTPP	198	11.937	12.740	-0.803	0	950	0	
83 Carbazole	167	12.764	12.760	0.004	82	16158	0.3774	
84 Di-n-butyl phthalate	149	13.048	13.044	0.004	84	9402	0.1356	
86 Fluoranthene	202	13.774	13.760	0.014	97	142218	2.91	
88 Pyrene	202	13.990	13.991	-0.001	98	108381	3.02	
90 Butyl benzyl phthalate	149	14.524	14.520	0.004	86	1267	0.0685	
91 Bis(2-ethylhexyl) phthalate	149	15.029	15.030	-0.001	89	23943	1.04	
93 Benzo[a]anthracene	228	15.130	15.126	0.004	69	20591	0.8426	
94 Chrysene	228	15.169	15.164	0.005	96	40016	1.77	
99 Benzo[a]pyrene	252	16.313	16.309	0.004	0	10962	1.23	A
102 Indeno[1,2,3-cd]pyrene	276	17.674	17.665	0.009	43	6008	1.16	
101 Benzo[g,h,i]perylene	276	18.088	18.074	0.014	94	6182	1.25	

QC Flag Legend

Review Flags
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Lims ID:	360-31465-A-11-D	Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX
Inject. Date:	21-Dec-2010 20:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-11-D		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	13
Lims Batch ID:	67510	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m		
Last Update:	22-Dec-2010 14:46:15	Calib Date:	21-Dec-2010 18:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	22-Dec-2010 14:48:36

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
6.205	50319594	465.3	1			
	Unknown					
12.019	7151556	34.9	4			
	Unknown					
12.144	5978501	29.2	4			
	Unknown					
12.178	6964610	34.0	4			
	Unknown					
12.206	6159246	30.0	4			
629-99-2	Pentacosane					
15.957	2117023	67.8	6	99	17109	
	Unknown					
15.981	1657957	53.1	6			
1000155-85-0	Bicyclo[10.8.0]eicosane, (E)-					
16.438	926192	29.7	6	93	2123	
7225-64-1	Heptadecane, 9-octyl-					
16.630	1367933	43.8	6	95	16434	
71502-22-2	9-Hexacosene					
16.679	1016249	32.6	6	95	7510	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.931	432581	4.00
* 4 Phenanthrene-d10	12.543	819913	4.00
* 6 Perylene-d12	16.371	124831	4.00

QC Flag Legend

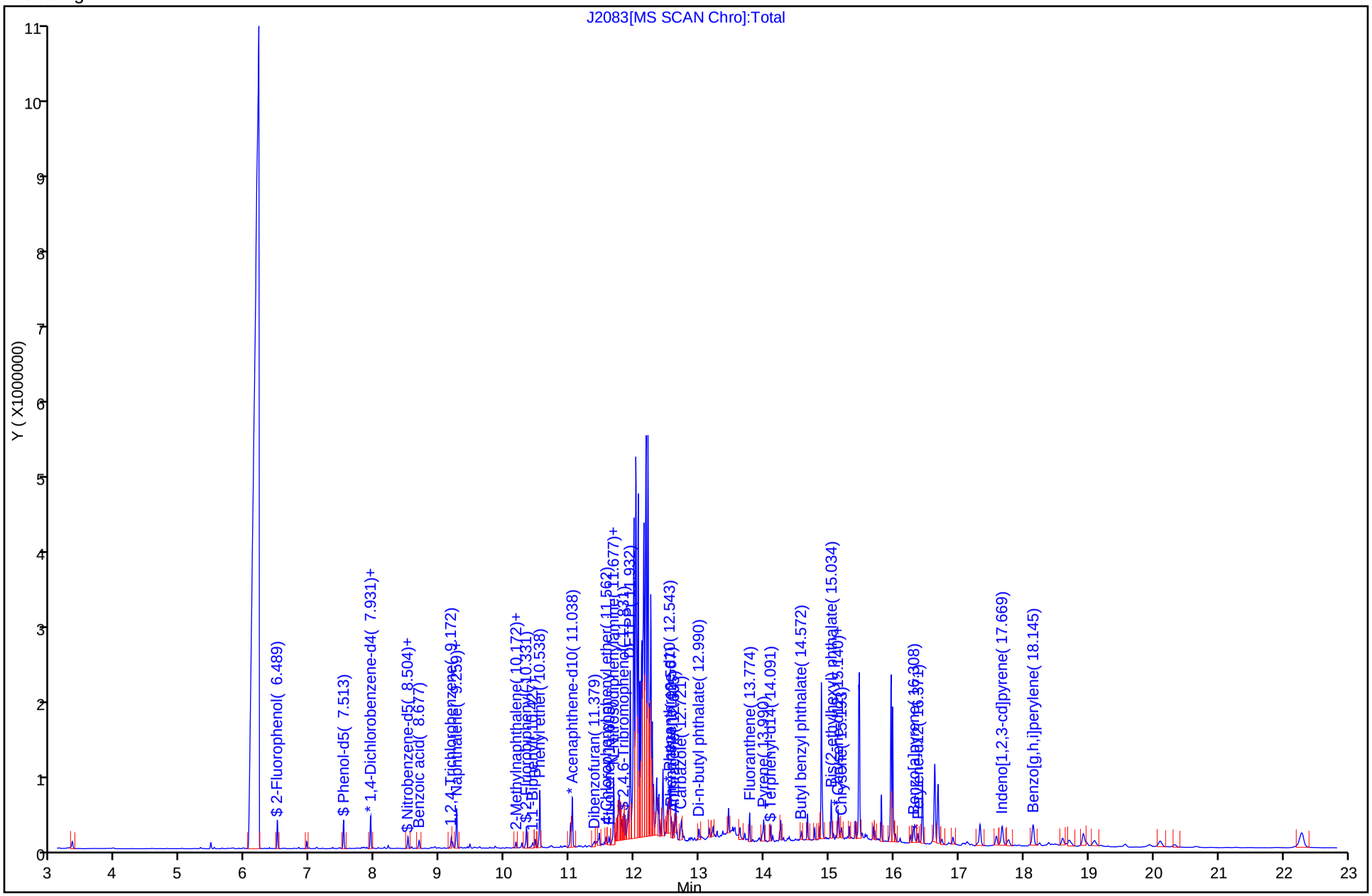
Processing Flags

Report Date: 22-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

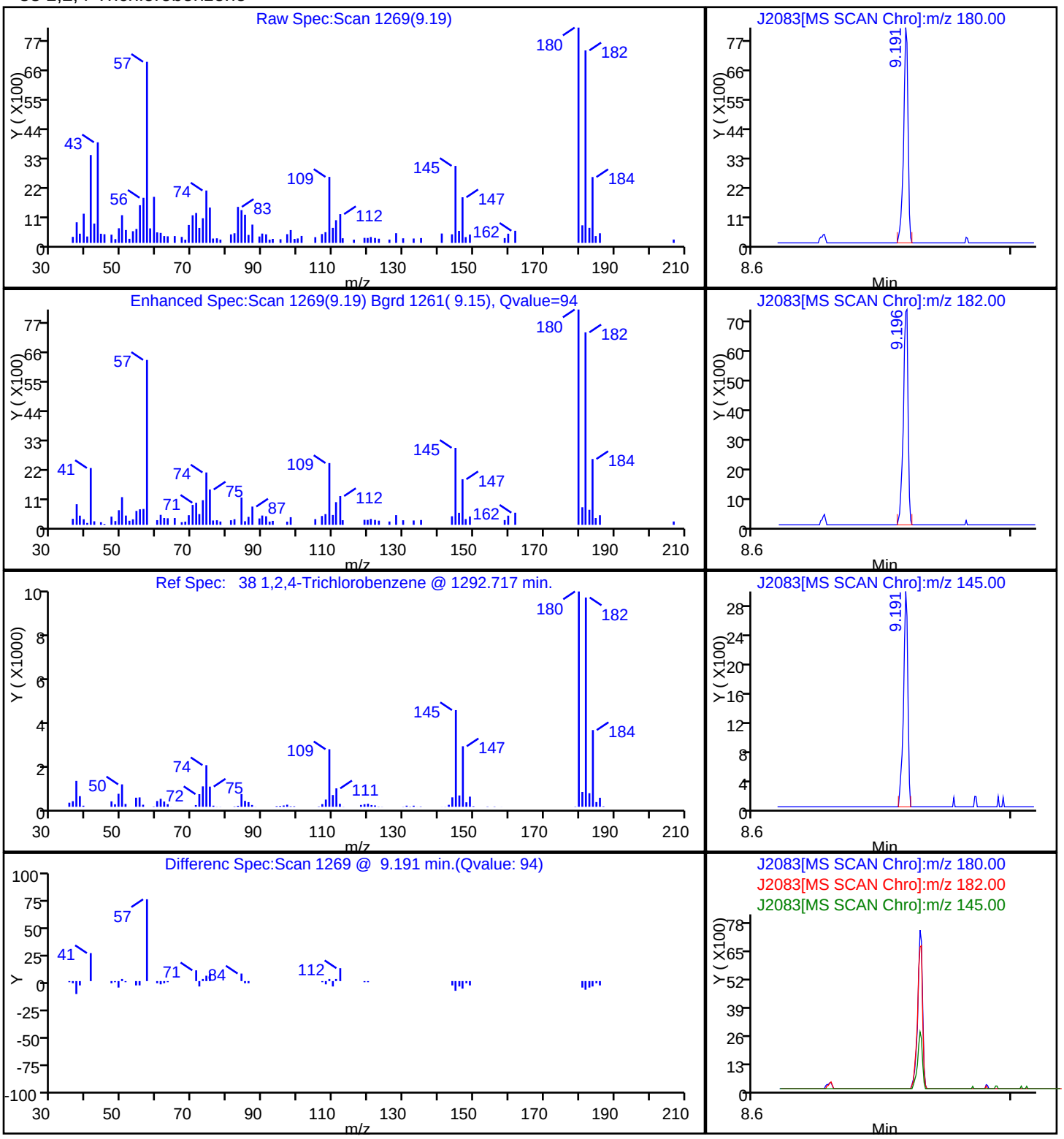
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 22-Dec-2010 14:48:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D
Injection Date: 21-Dec-2010 20:09:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 15
Operator ID: CT Injection Vol: 2.00 ul

38 1,2,4-Trichlorobenzene

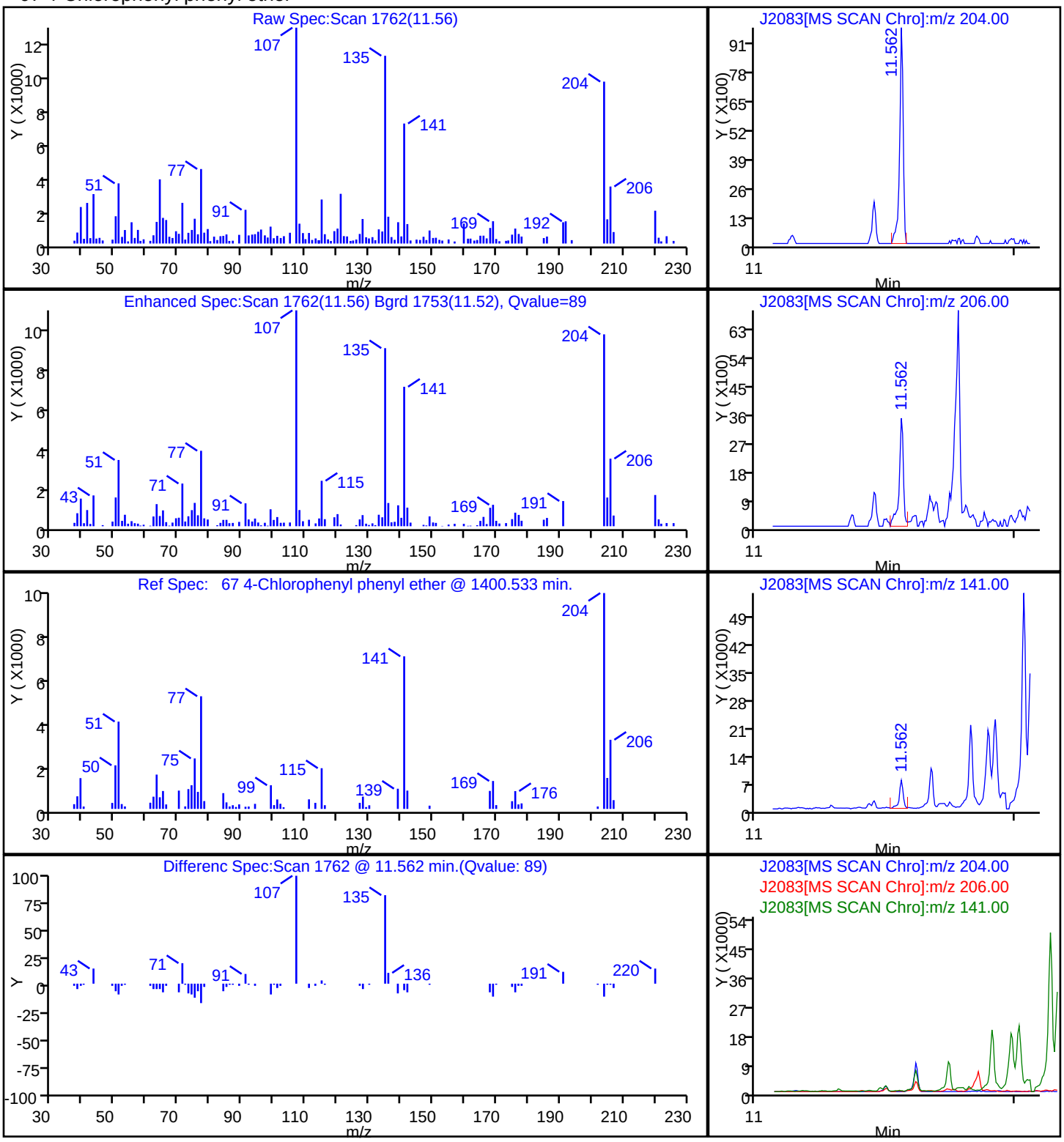


Report Date: 22-Dec-2010 14:48:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

67 4-Chlorophenyl phenyl ether

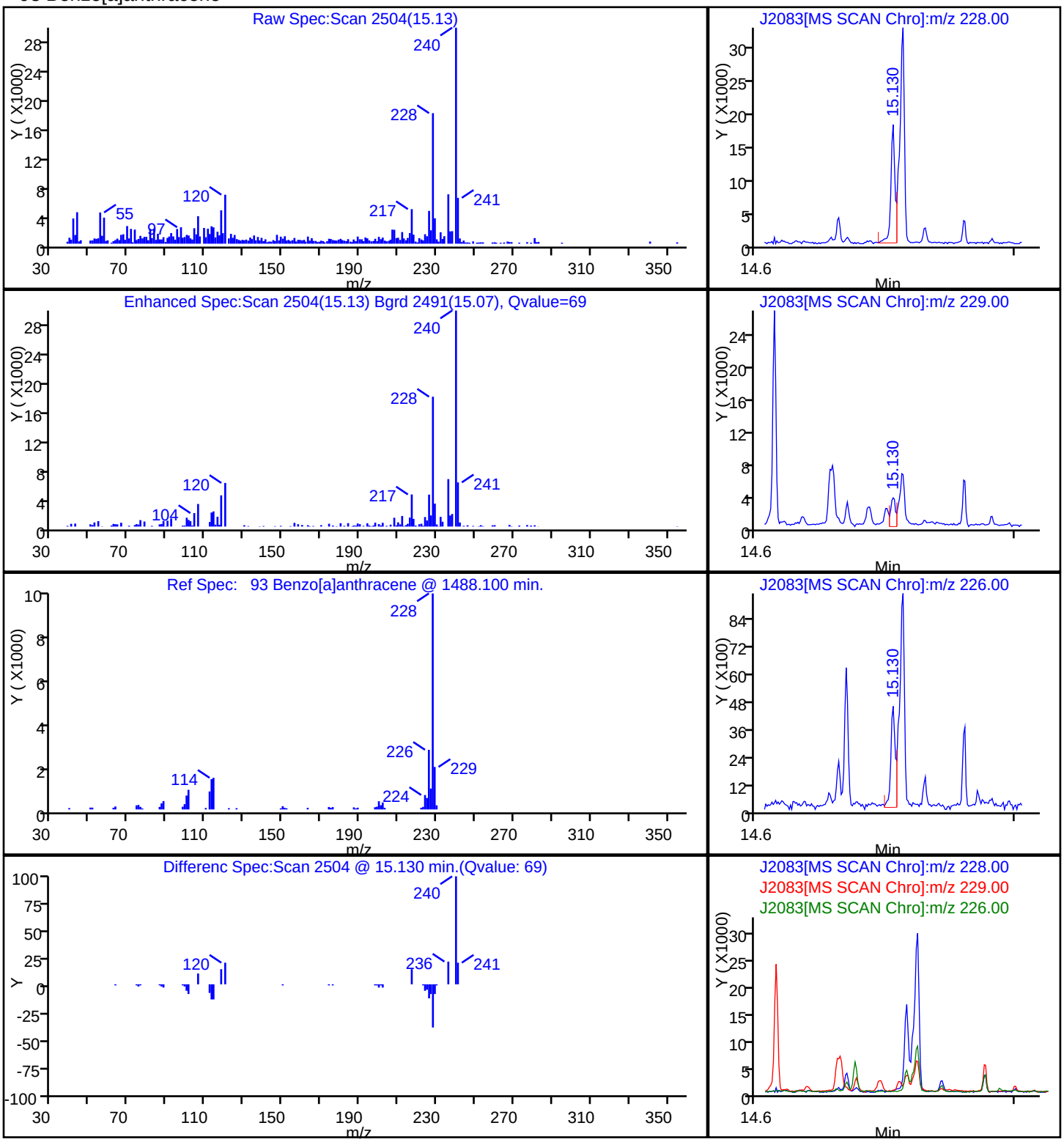


Report Date: 22-Dec-2010 14:48:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene

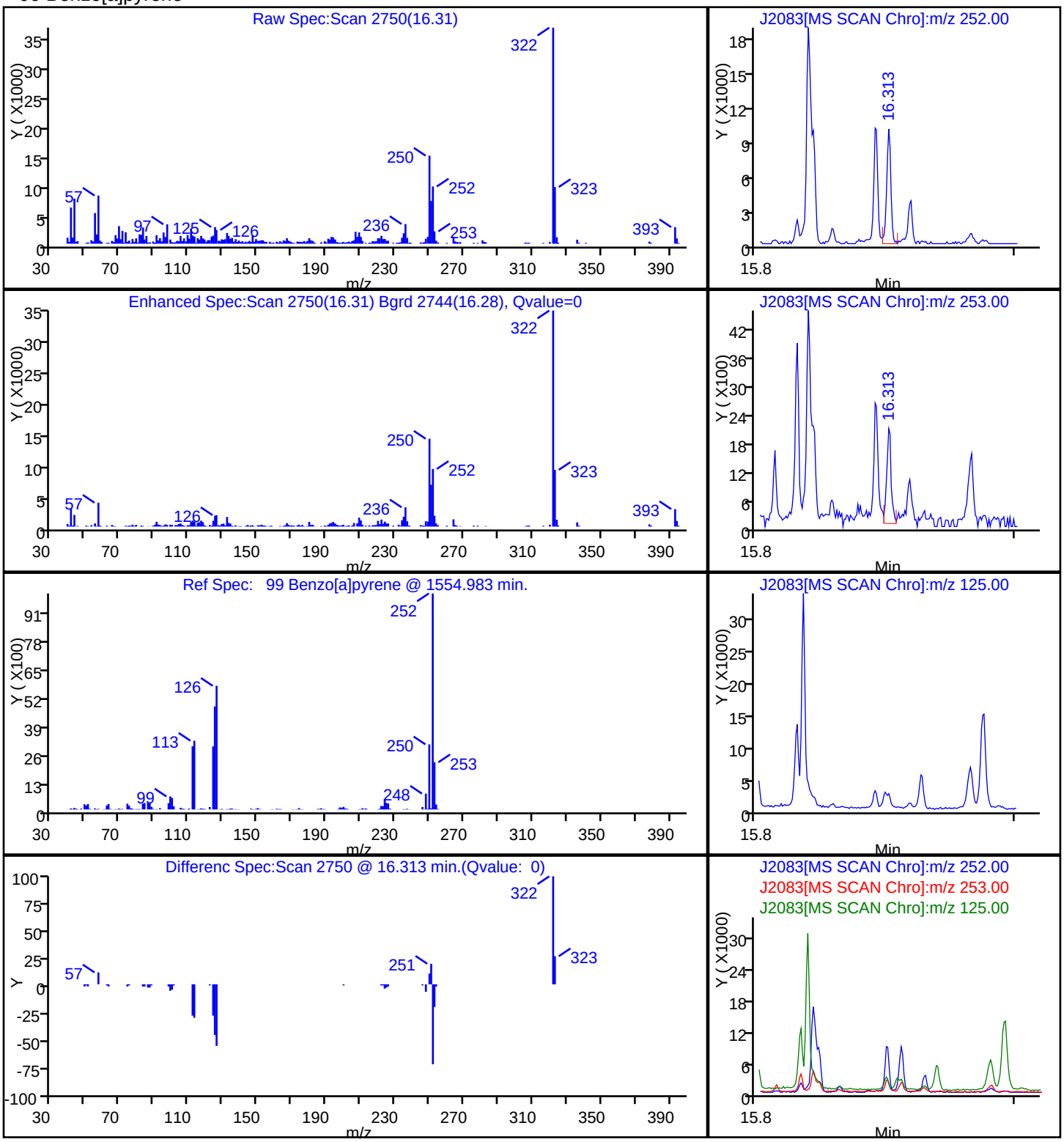


Report Date: 22-Dec-2010 14:48:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

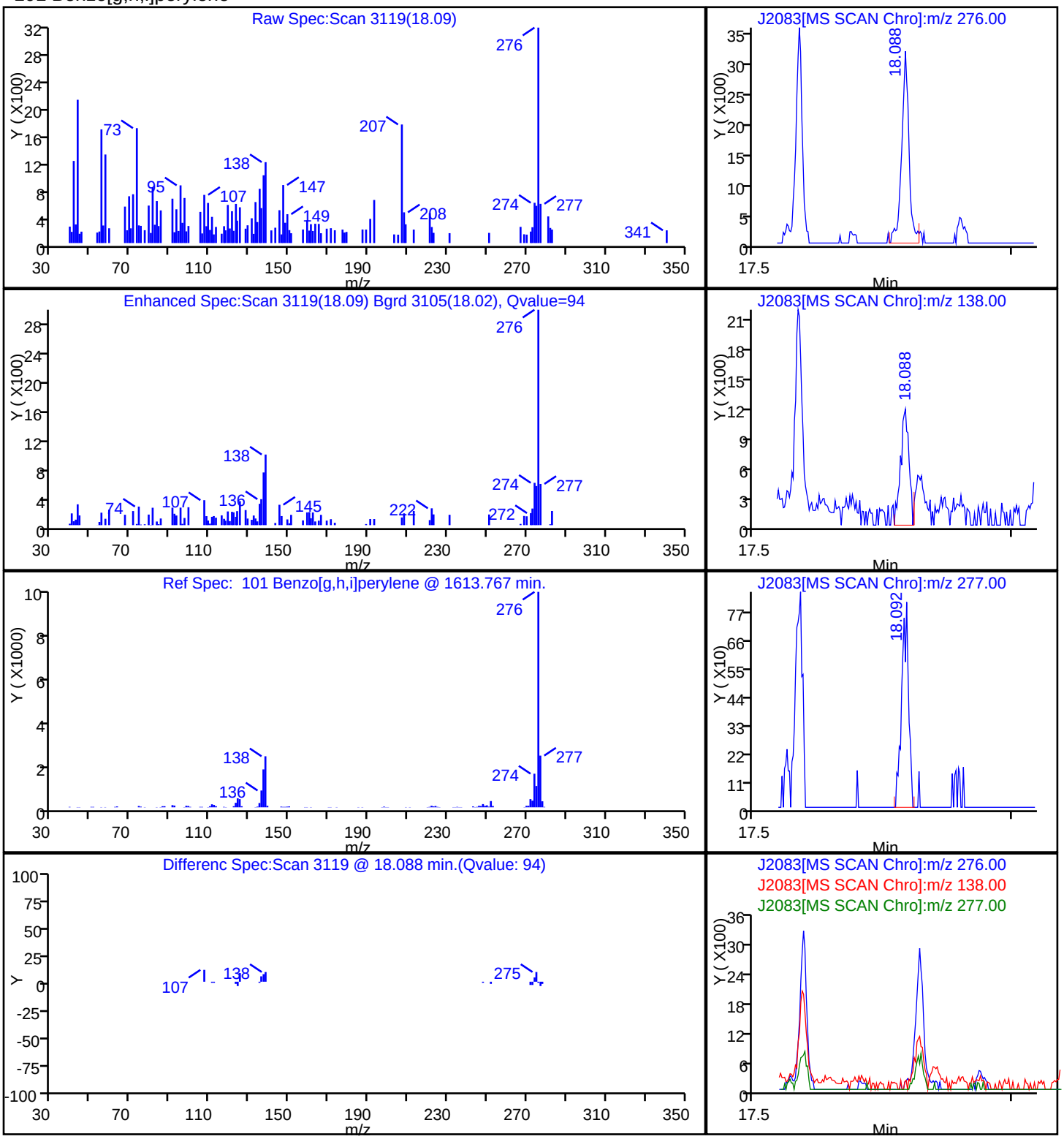


Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

101 Benzo[g,h,i]perylene

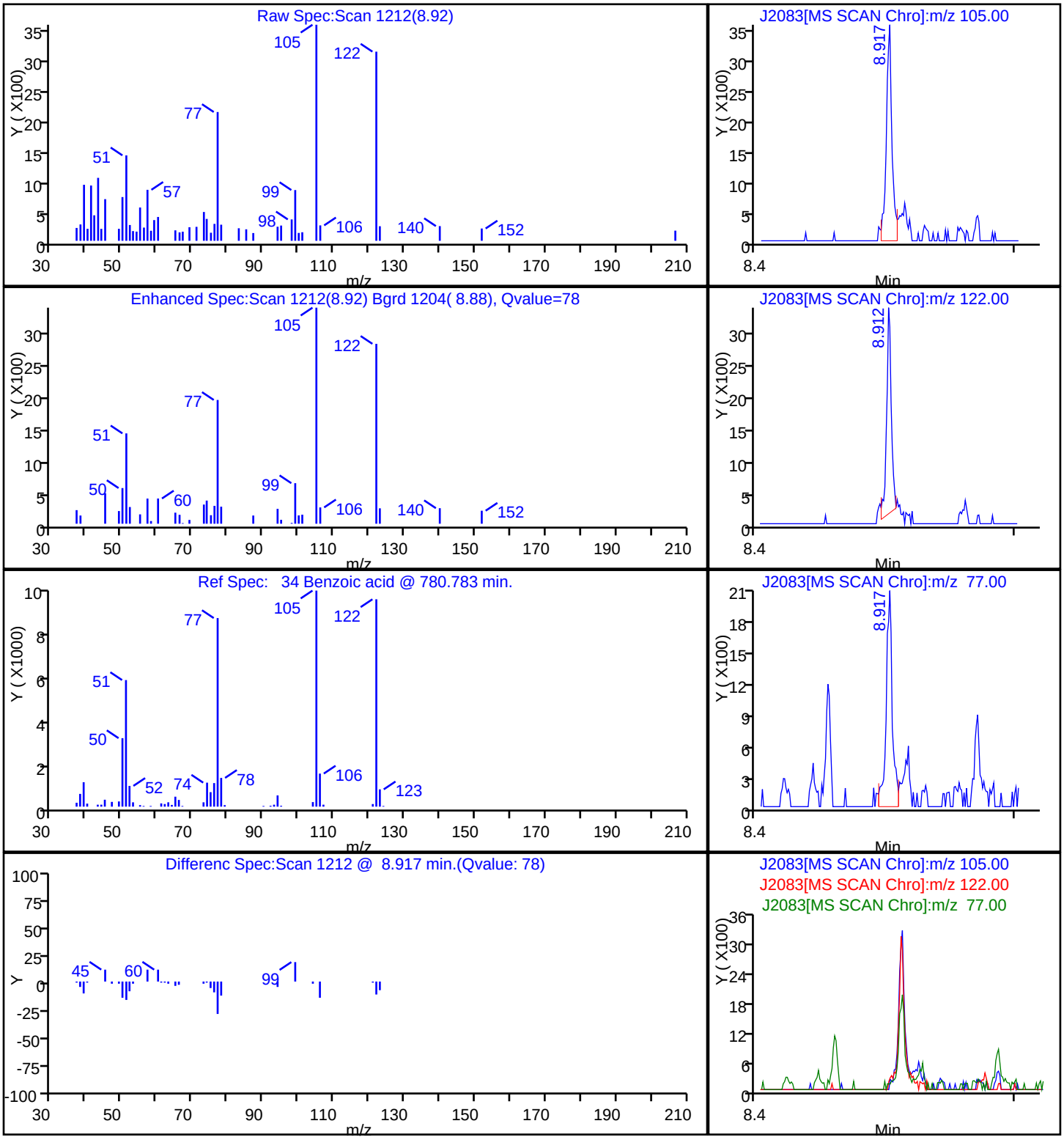


Report Date: 22-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid



Report Date: 22-Dec-2010 14:48:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

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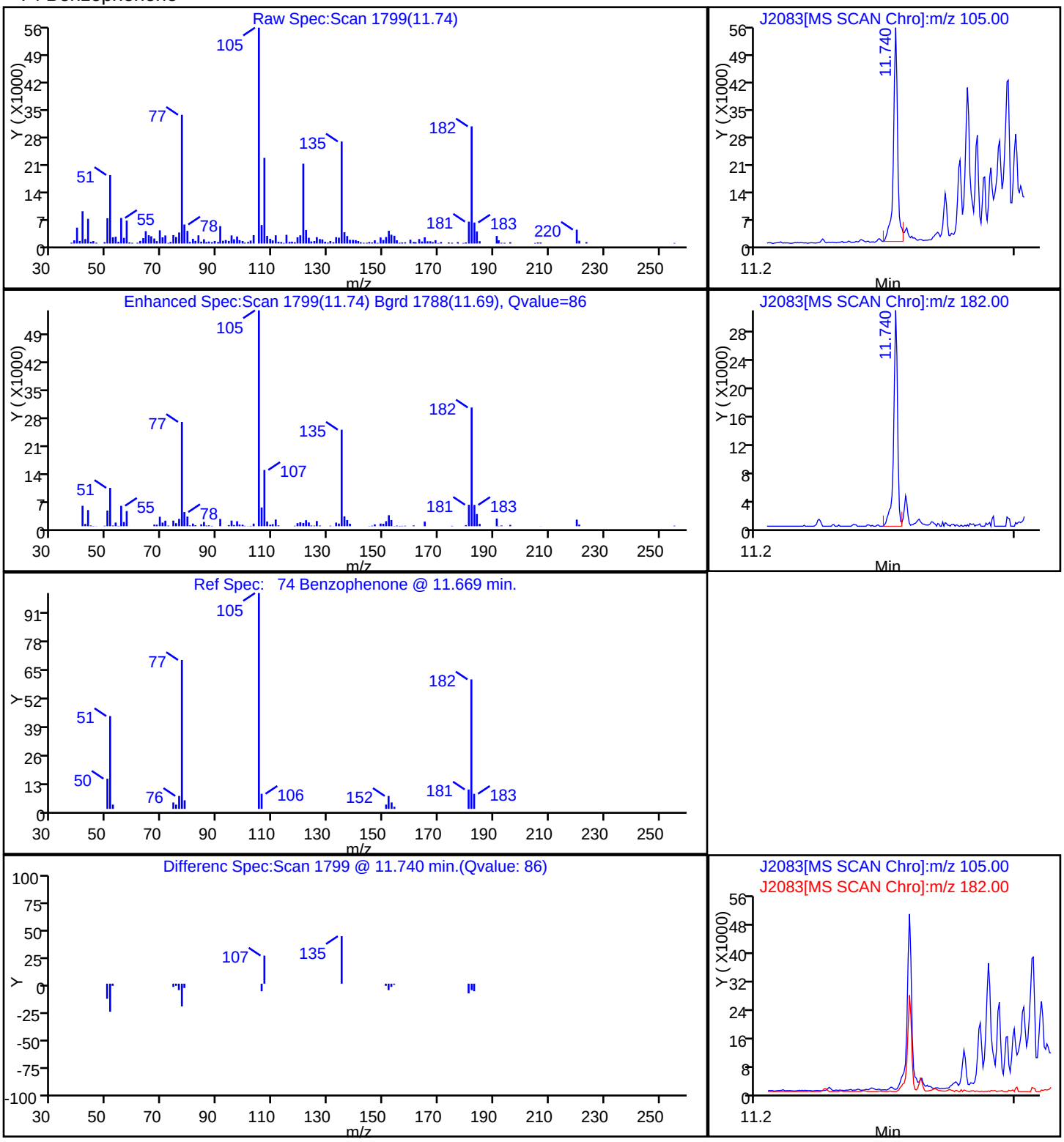
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

74 Benzophenone

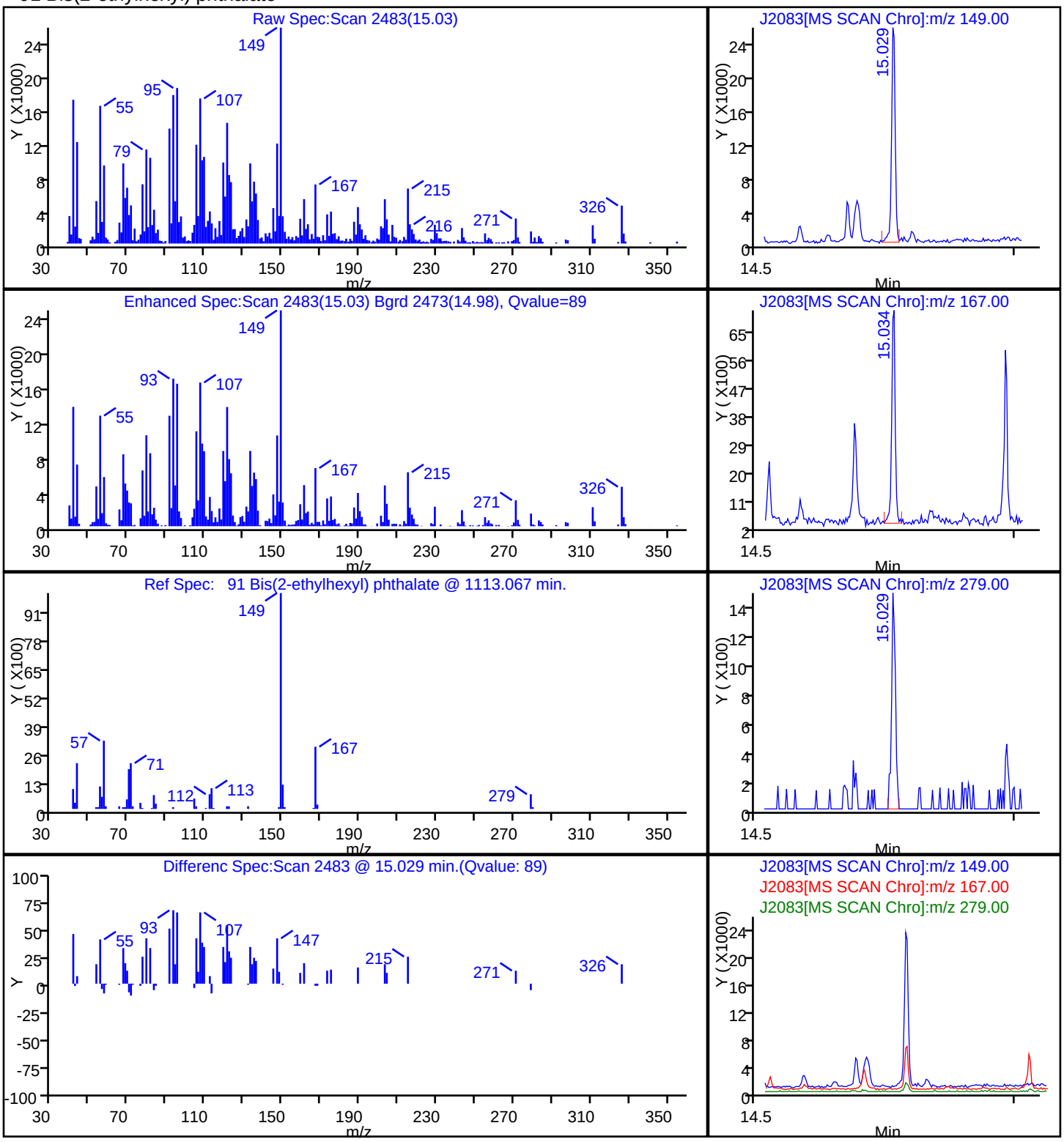


Report Date: 22-Dec-2010 14:48:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

91 Bis(2-ethylhexyl) phthalate

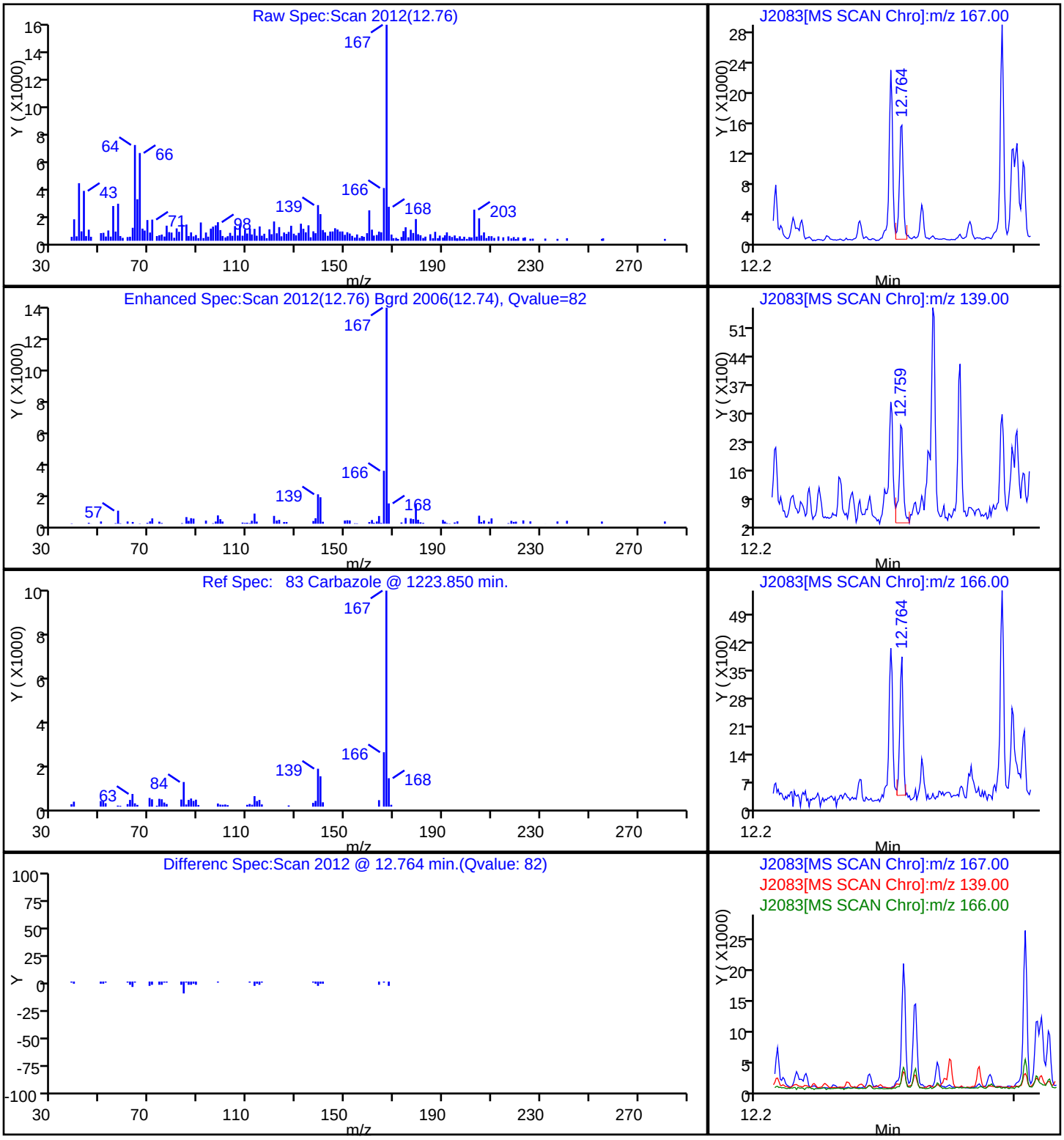


Report Date: 22-Dec-2010 14:48:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

83 Carbazole

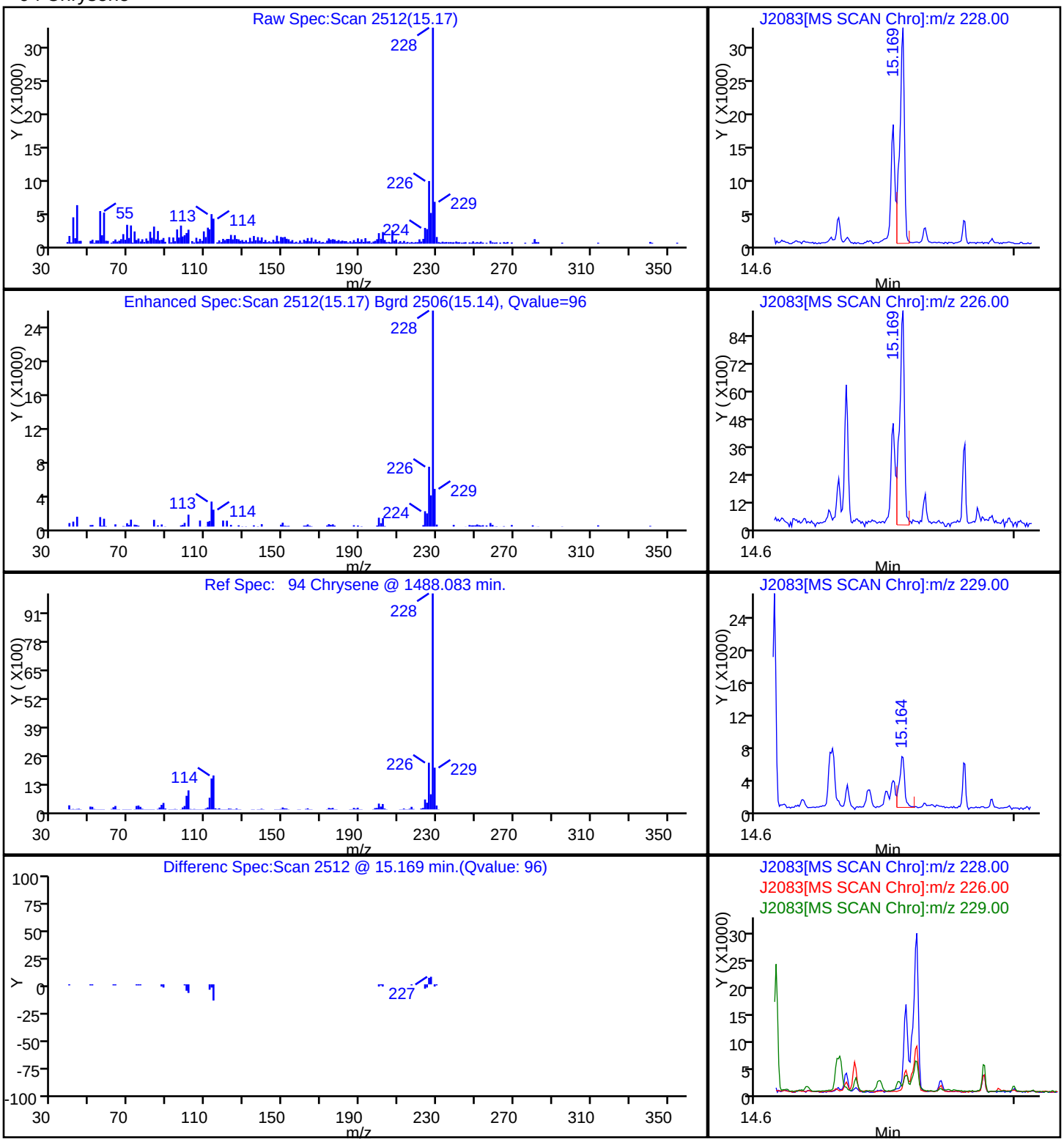


Report Date: 22-Dec-2010 14:48:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

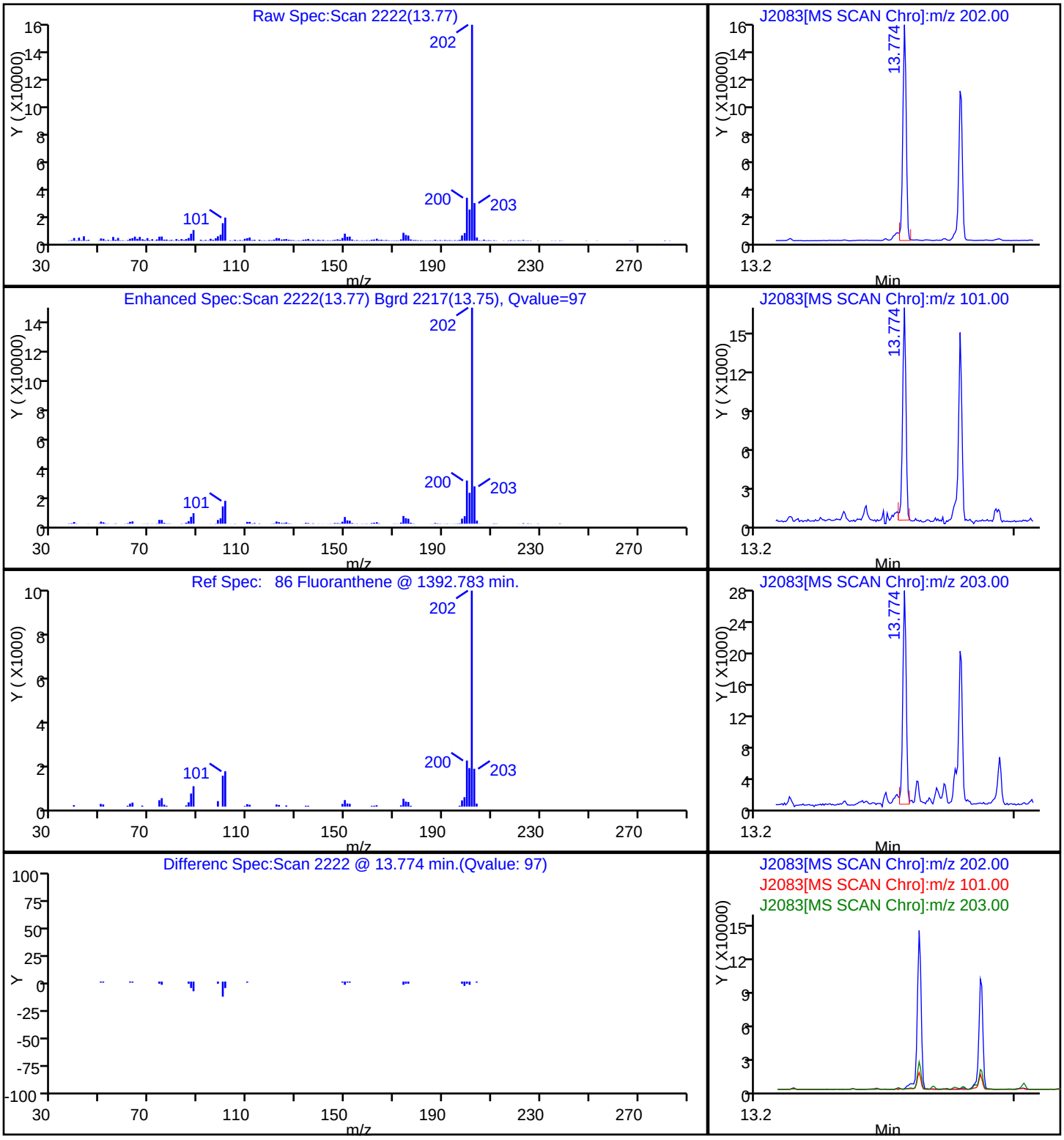


Report Date: 22-Dec-2010 14:48:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

86 Fluoranthene

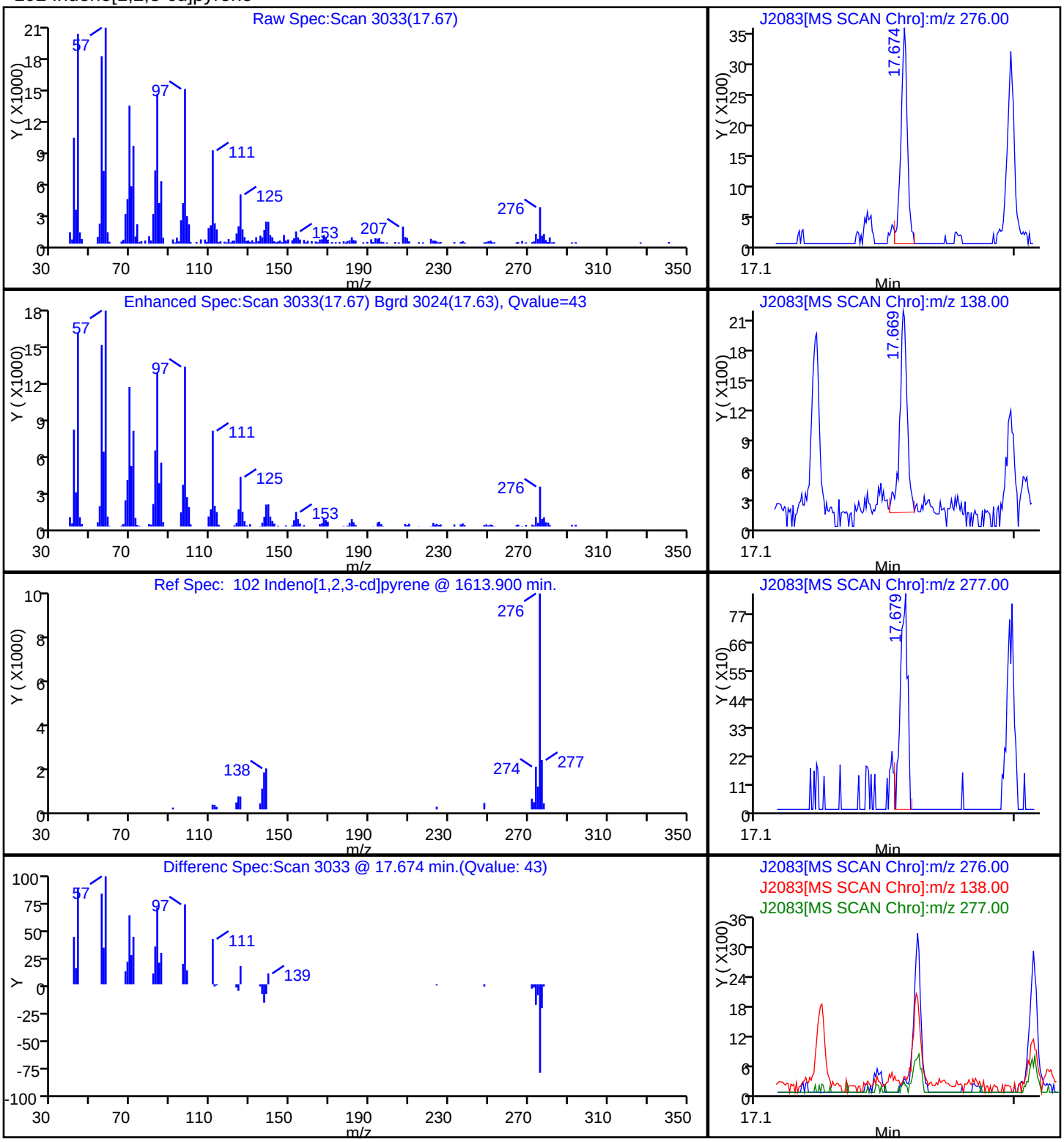


Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

102 Indeno[1,2,3-cd]pyrene

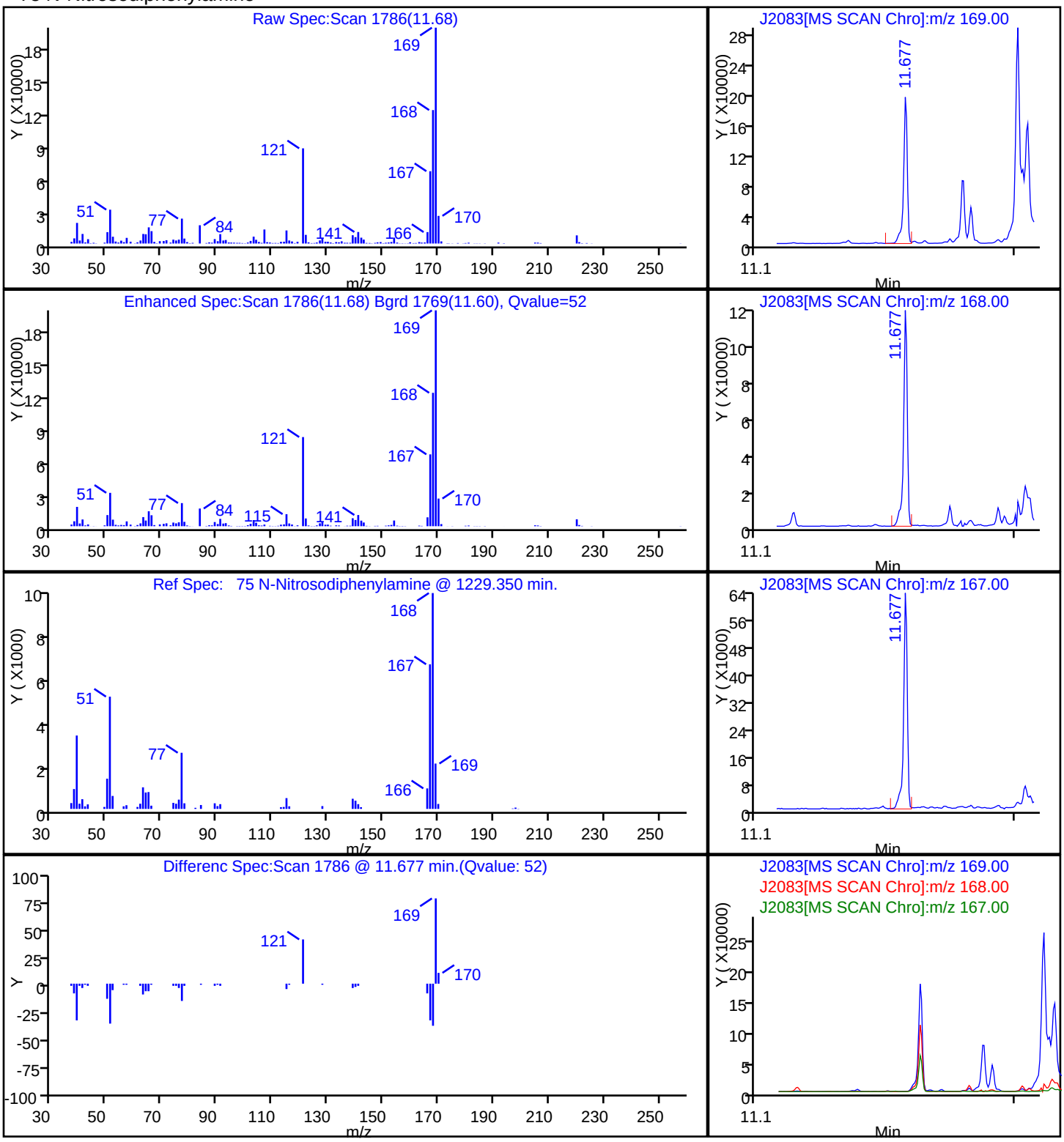


Report Date: 22-Dec-2010 14:48:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

75 N-Nitrosodiphenylamine

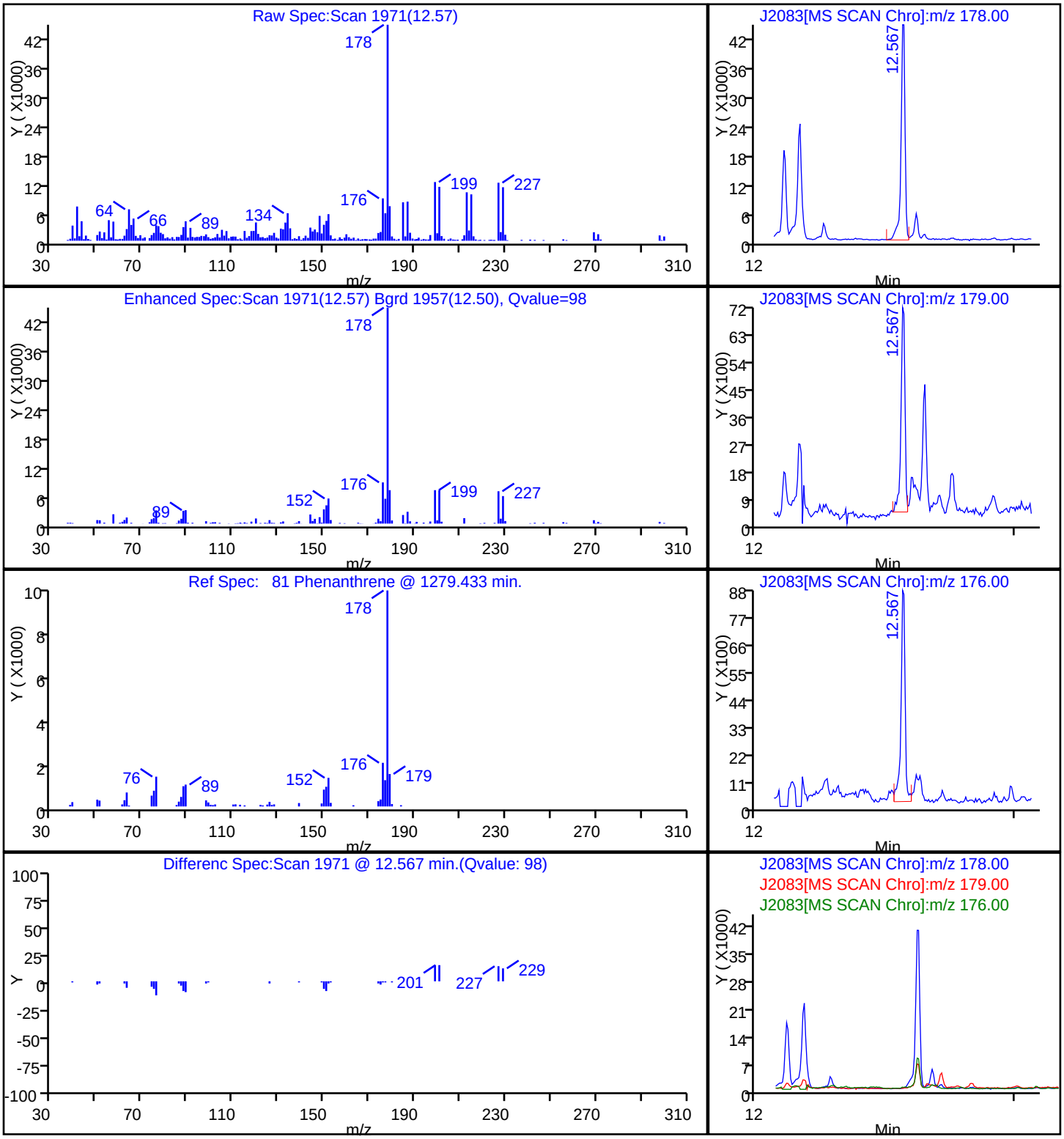


Report Date: 22-Dec-2010 14:48:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

81 Phenanthrene

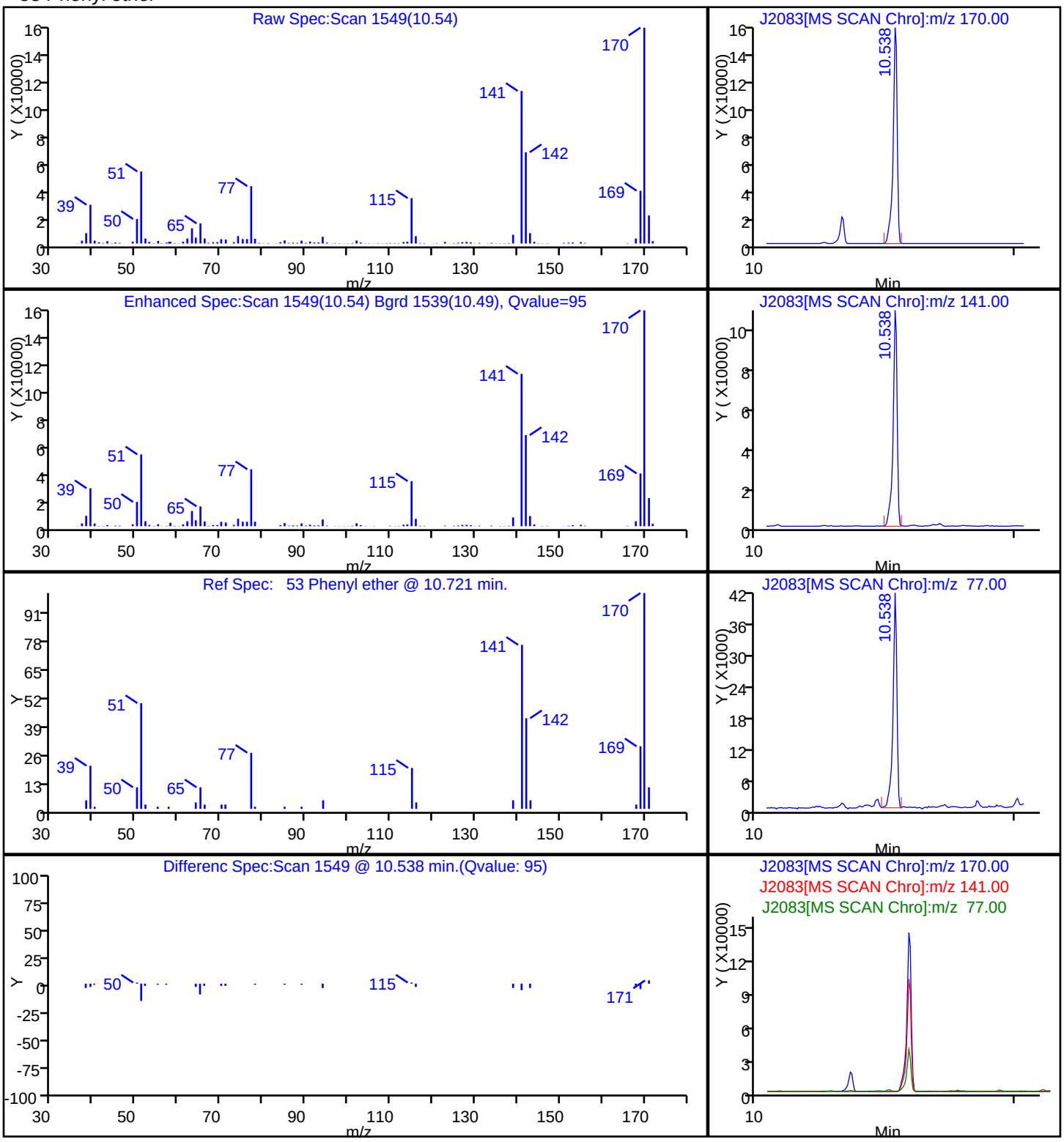


Report Date: 22-Dec-2010 14:48:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

53 Phenyl ether

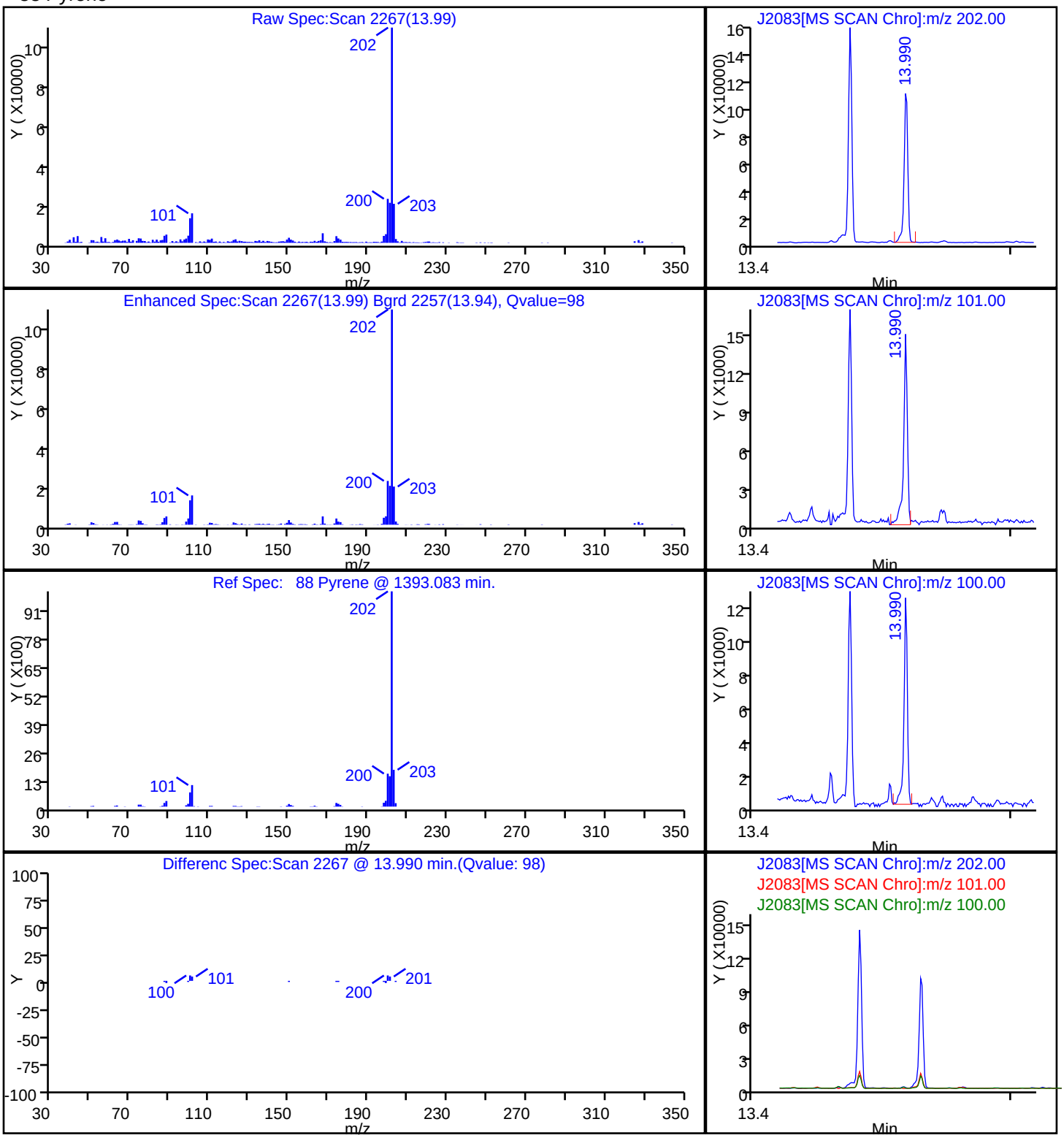


Report Date: 22-Dec-2010 14:48:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

88 Pyrene



Report Date: 22-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

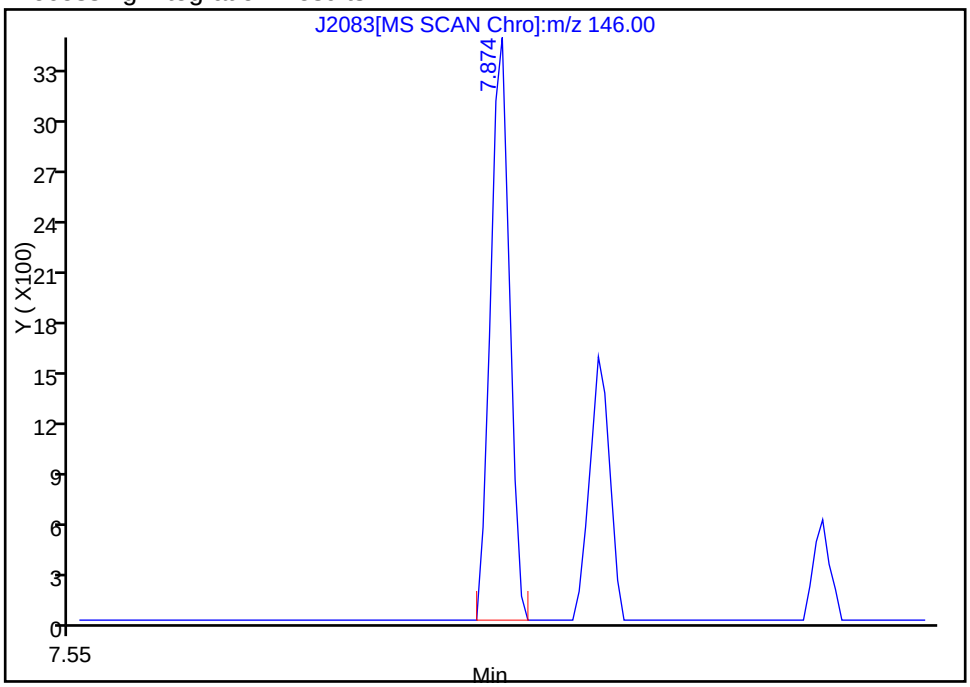
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

22 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 7.95

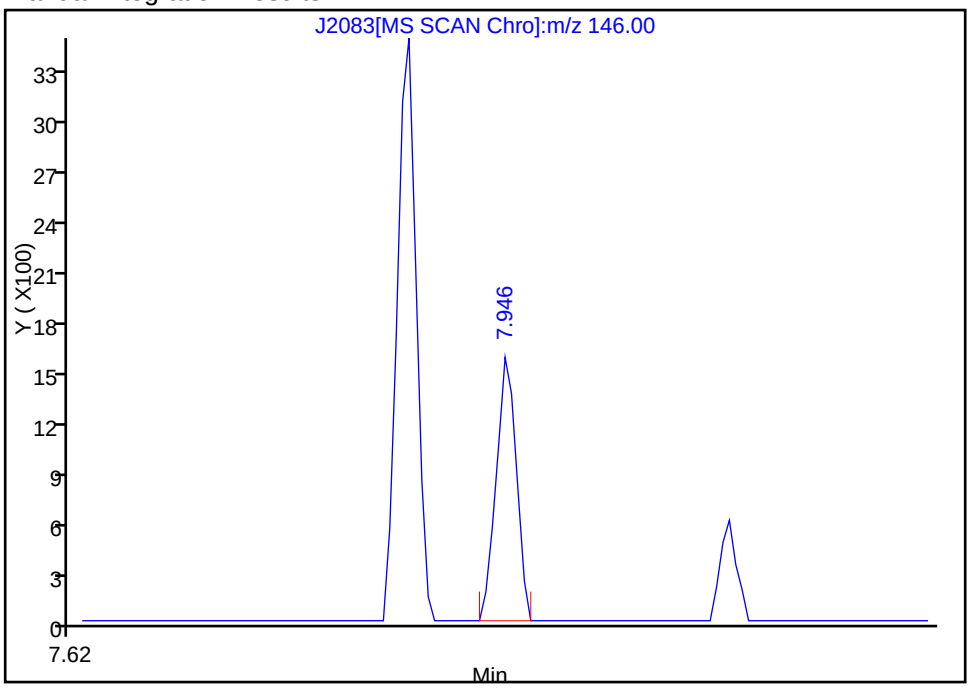
Processing Integration Results

RT: 7.87
Response: 3409
Amount: 0.156054



Manual Integration Results

RT: 7.95
Response: 1632
Amount: 0.074708



Reviewer: testerc, 22-Dec-2010 11:51:51
Audit Action: Assigned Compound ID
Audit Reason:

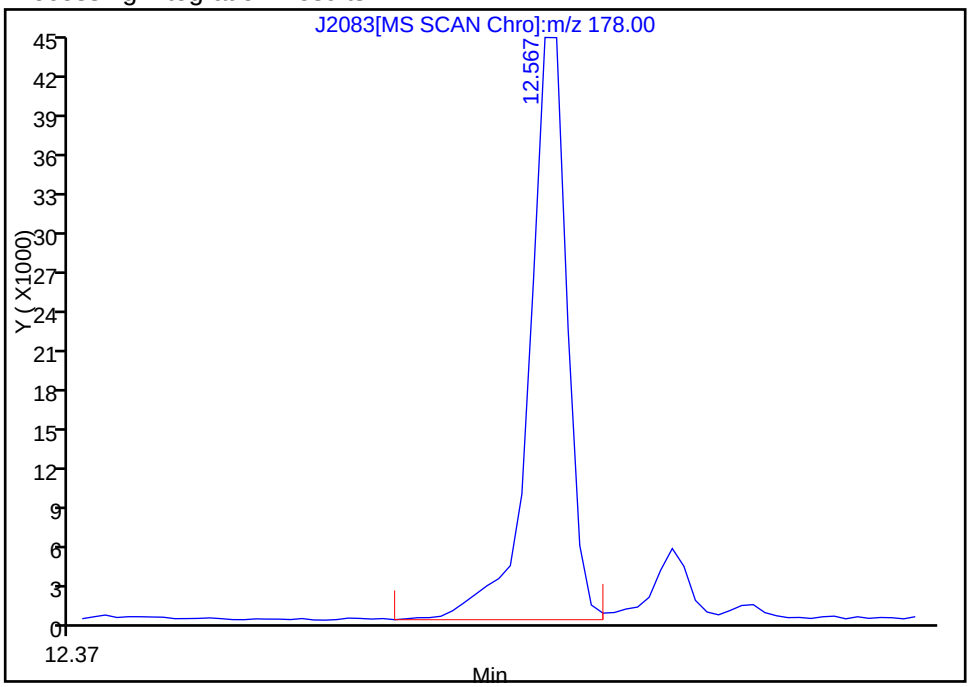
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

82 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 12.62

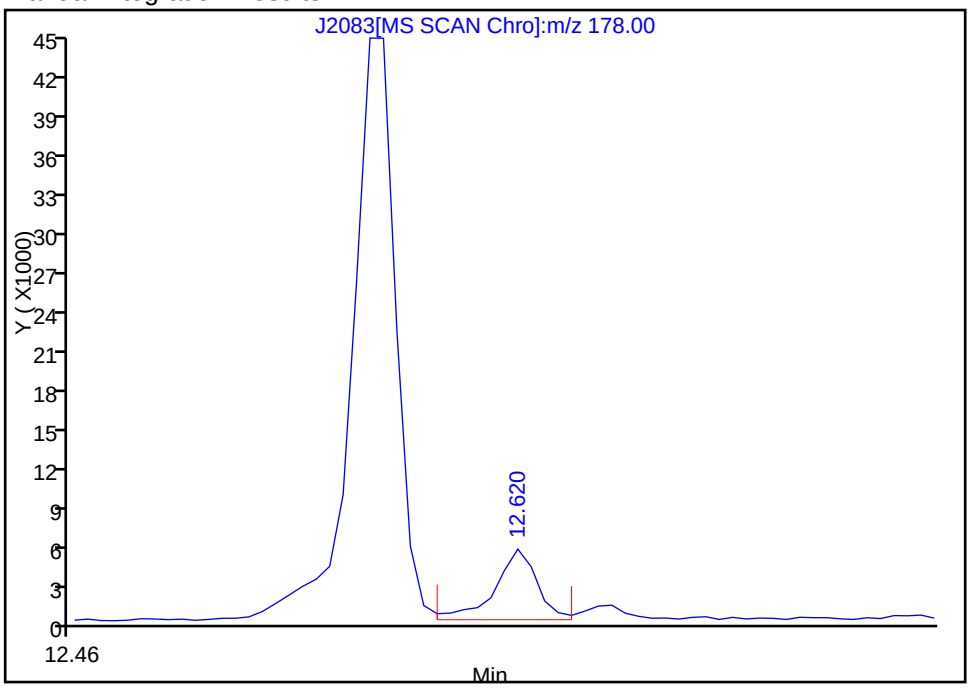
Processing Integration Results

RT: 12.57
Response: 48557
Amount: 0.922208



Manual Integration Results

RT: 12.62
Response: 5717
Amount: 0.108579



Reviewer: testerc, 22-Dec-2010 11:51:51
Audit Action: Assigned Compound ID
Audit Reason:

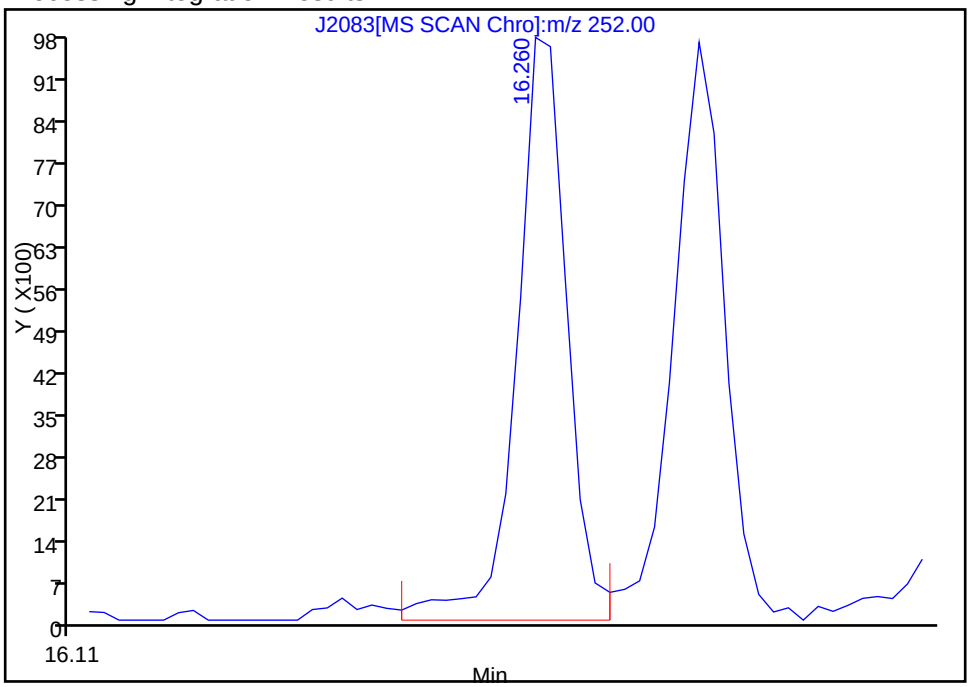
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.31

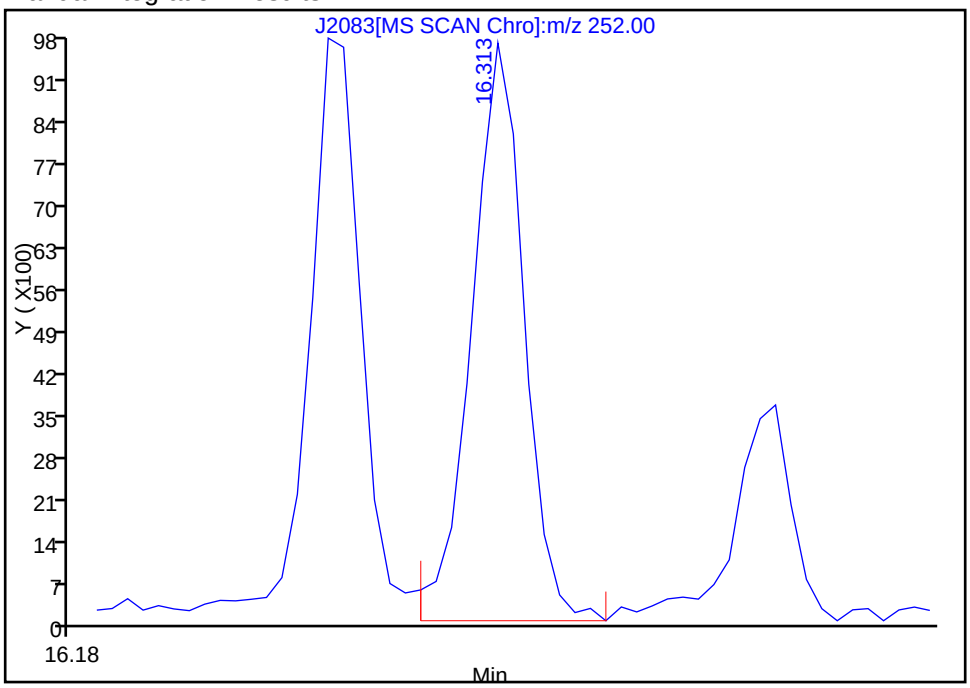
Processing Integration Results

RT: 16.26
Response: 11022
Amount: 1.233511



Manual Integration Results

RT: 16.31
Response: 10962
Amount: 1.226796

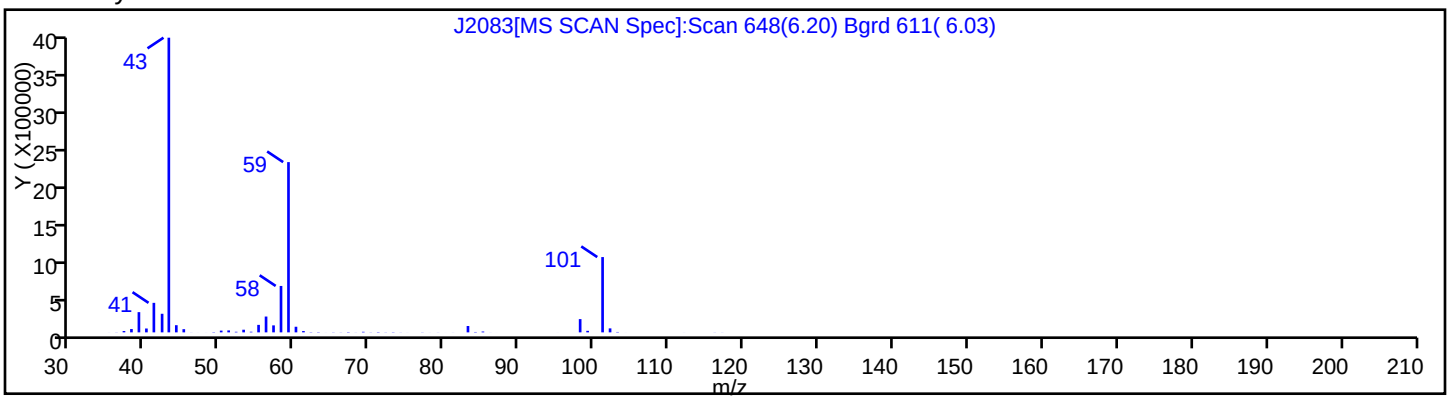


Reviewer: testerc, 22-Dec-2010 11:51:51
Audit Action: Assigned Compound ID
Audit Reason: Split Peak

Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

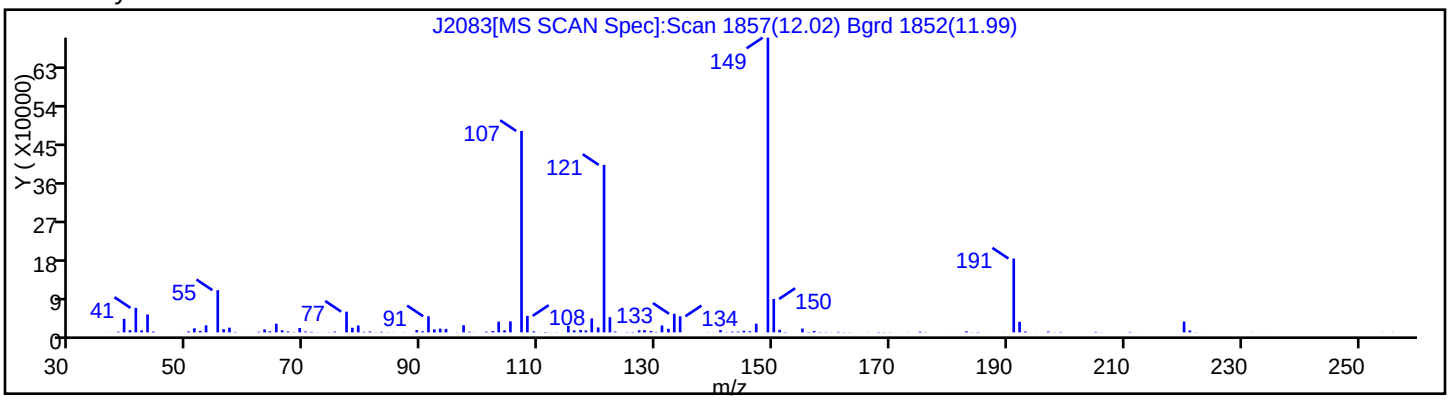
No Library Matches Found above the Threshold: 85



Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

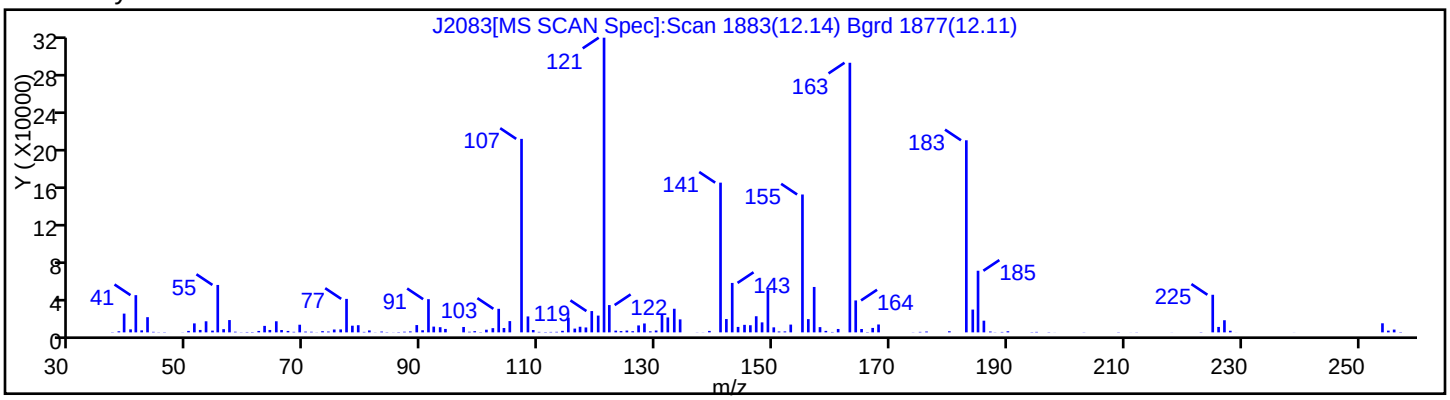
No Library Matches Found above the Threshold: 85



Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

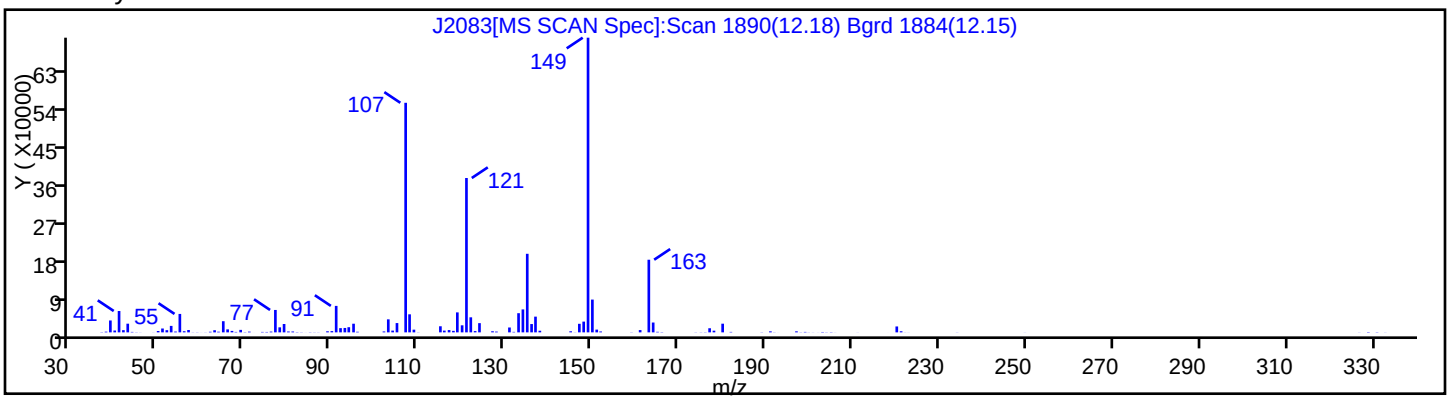


Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D

Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

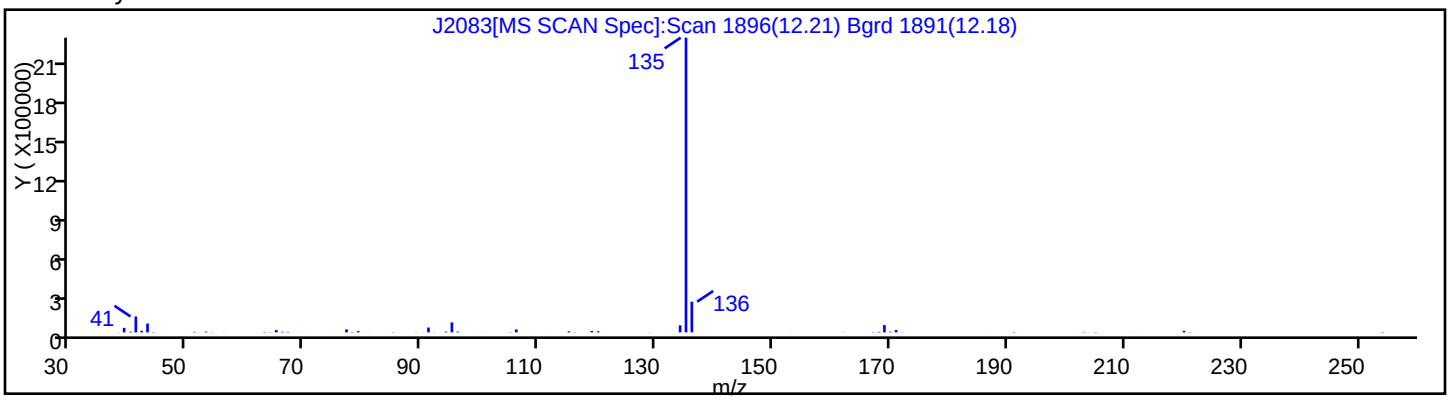
No Library Matches Found above the Threshold: 85



Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

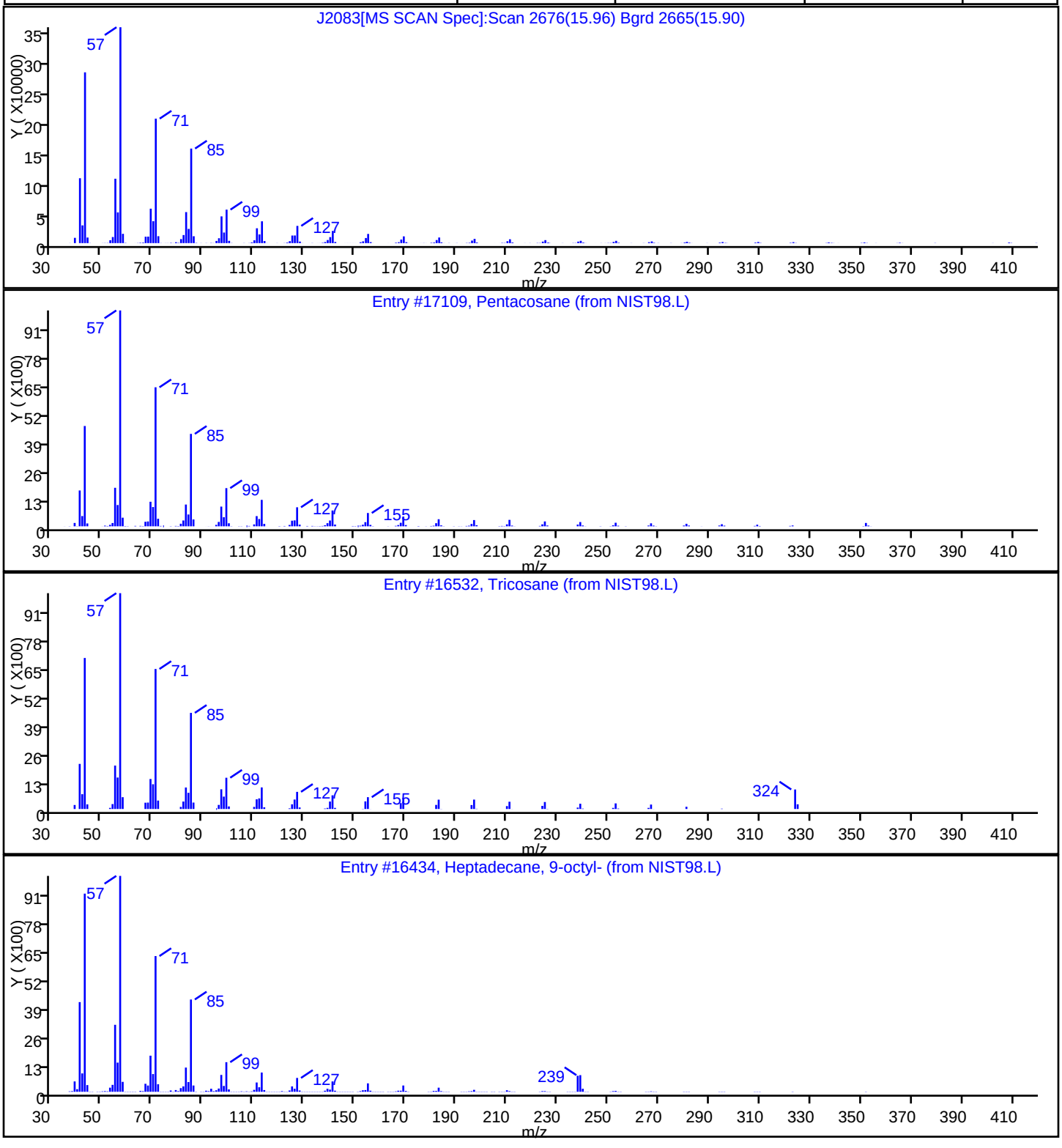
Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D
Injection Date: 21-Dec-2010 20:09:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 15
Operator ID: CT Injection Vol: 2.00 ul

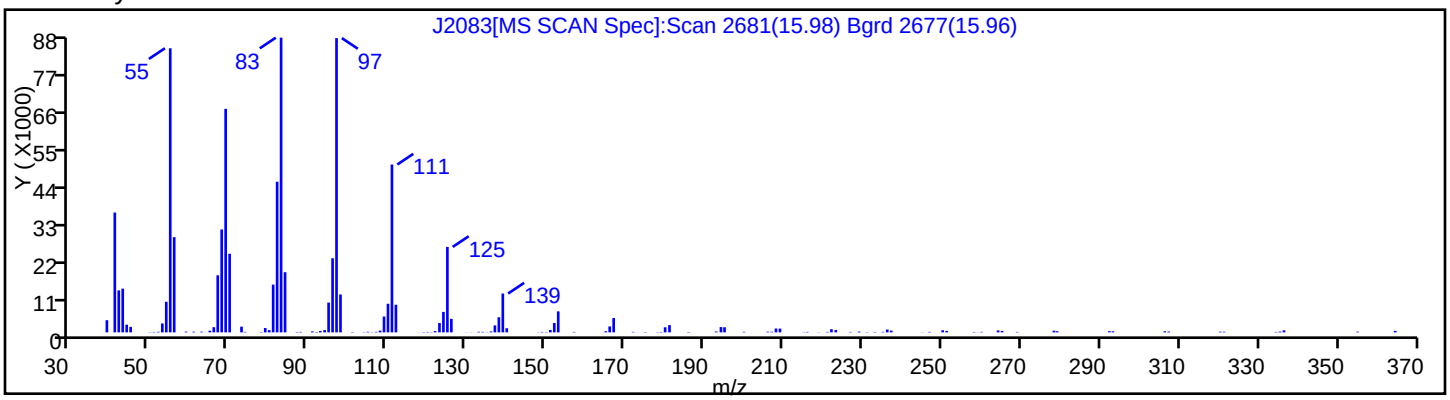
Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	99
Tricosane	638-67-5	NIST98.L	16532	96
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	96



Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

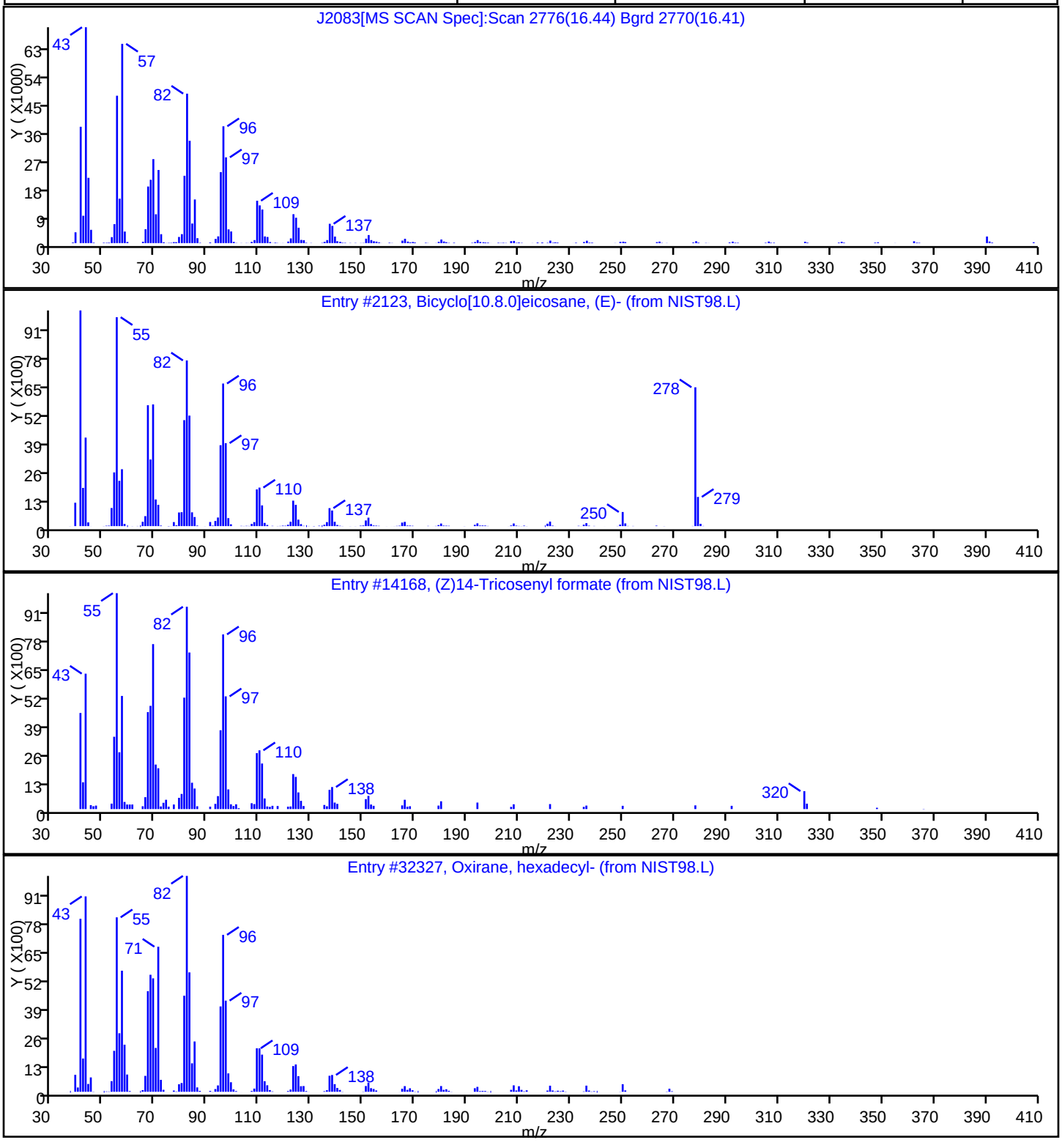
Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D		
Injection Date:	21-Dec-2010 20:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-OPWD-SD/SP/SW-S-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	15
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



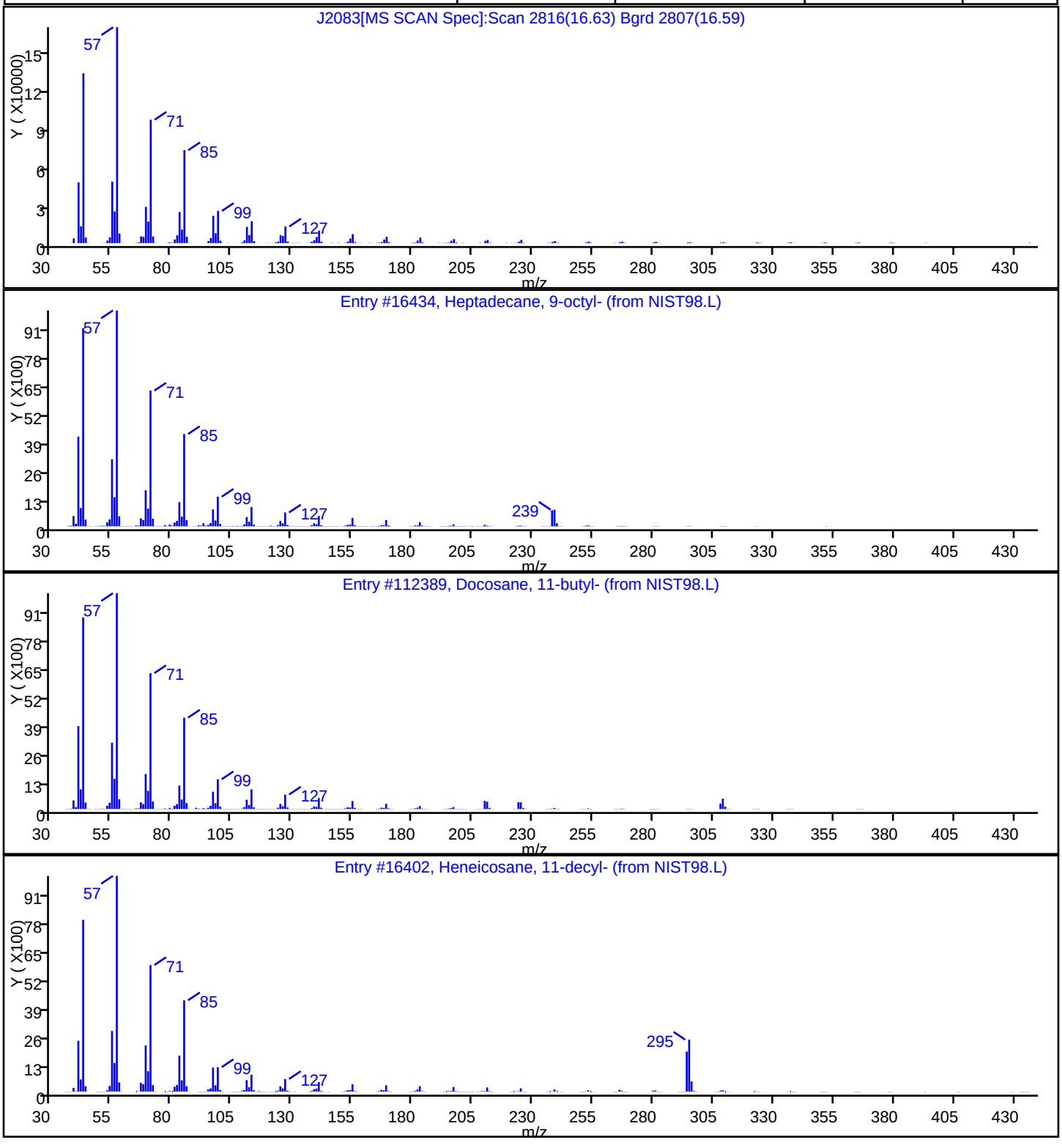
Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D
Injection Date: 21-Dec-2010 20:09:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 15
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Bicyclo[10.8.0]eicosane, (E)-	1000155-85-0	NIST98.L	2123	93
(Z)14-Tricosenyl formate	77899-10-6	NIST98.L	14168	93
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	91



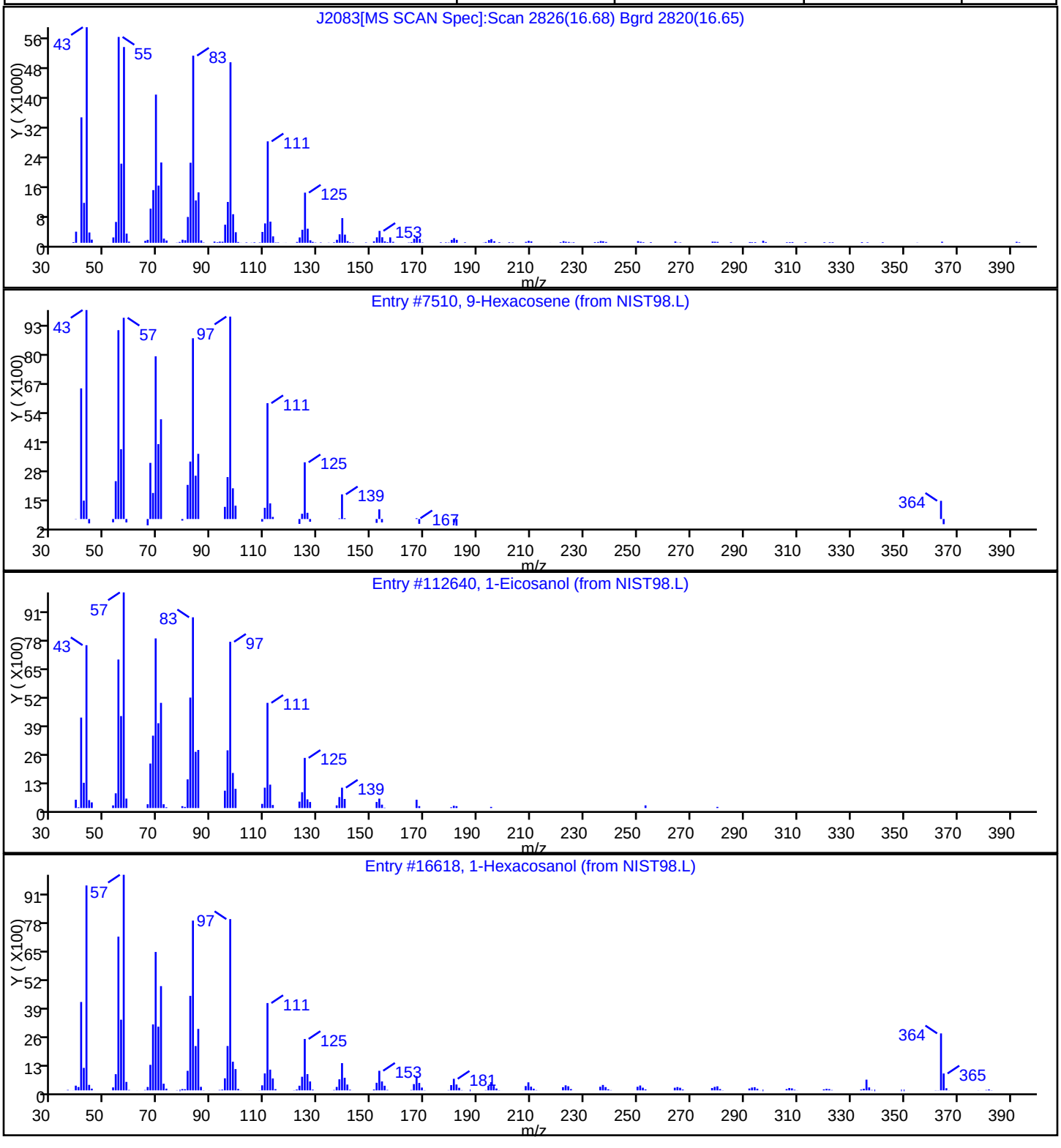
Report Date: 22-Dec-2010 14:48:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D
Injection Date: 21-Dec-2010 20:09:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 15
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	95
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	95
Heneicosane, 11-decyl-	55320-6-4	NIST98.L	16402	95



Report Date: 22-Dec-2010 14:48:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2083.D
Injection Date: 21-Dec-2010 20:09:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-OPWD-SD/SP/SW-S-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 15
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
9-Hexacosene	71502-22-2	NIST98.L	7510	95
1-Eicosanol	629-96-9	NIST98.L	112640	93
1-Hexacosanol	506-52-5	NIST98.L	16618	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: J2084.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.44(g) | Date Analyzed: 12/21/2010 20:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		58	17
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		58	17
120-82-1	1,2,4-Trichlorobenzene	ND		58	17
95-50-1	1,2-Dichlorobenzene	ND		58	17
541-73-1	1,3-Dichlorobenzene	24	J	58	17
106-46-7	1,4-Dichlorobenzene	ND		58	17
90-12-0	1-Methylnaphthalene	ND		58	17
62-75-9	N-Nitrosodimethylamine	ND		58	20
108-60-1	2,2'-oxybis[1-chloropropane]	ND		58	17
58-90-2	2,3,4,6-Tetrachlorophenol	ND		58	17
95-95-4	2,4,5-Trichlorophenol	ND		58	17
88-06-2	2,4,6-Trichlorophenol	ND		58	17
120-83-2	2,4-Dichlorophenol	ND		58	17
105-67-9	2,4-Dimethylphenol	ND		58	23
51-28-5	2,4-Dinitrophenol	ND		58	17
121-14-2	2,4-Dinitrotoluene	ND		58	17
606-20-2	2,6-Dinitrotoluene	ND		58	17
91-58-7	2-Chloronaphthalene	ND		58	17
95-57-8	2-Chlorophenol	ND		58	17
91-57-6	2-Methylnaphthalene	ND		58	17
95-48-7	2-Methylphenol	ND		58	35
88-74-4	2-Nitroaniline	ND		290	17
88-75-5	2-Nitrophenol	ND		58	17
91-94-1	3,3'-Dichlorobenzidine	ND		120	17
99-09-2	3-Nitroaniline	ND		290	17
534-52-1	4,6-Dinitro-2-methylphenol	ND		290	17
101-55-3	4-Bromophenyl phenyl ether	ND		58	17
59-50-7	4-Chloro-3-methylphenol	ND		120	17
106-47-8	4-Chloroaniline	ND		120	17
7005-72-3	4-Chlorophenyl phenyl ether	ND		58	17
100-01-6	4-Nitroaniline	ND		290	17
100-02-7	4-Nitrophenol	ND		290	17
83-32-9	Acenaphthene	ND		58	17
208-96-8	Acenaphthylene	ND		58	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: J2084.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.44(g) | Date Analyzed: 12/21/2010 20:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		58	17
62-53-3	Aniline	ND		58	17
120-12-7	Anthracene	21	J	58	17
1912-24-9	Atrazine	ND		58	17
103-33-3	Azobenzene	ND		58	17
100-52-7	Benzaldehyde	410		58	17
56-55-3	Benzo[a]anthracene	73		58	17
50-32-8	Benzo[a]pyrene	100		58	17
205-99-2	Benzo[b]fluoranthene	94		58	17
191-24-2	Benzo[g,h,i]perylene	55	J	58	17
207-08-9	Benzo[k]fluoranthene	38	J	58	17
65-85-0	Benzoic acid	ND		290	26
119-61-9	Benzophenone	31	J	58	17
100-51-6	Benzyl alcohol	ND		120	49
111-91-1	Bis(2-chloroethoxy)methane	ND		58	17
111-44-4	Bis(2-chloroethyl)ether	ND		58	17
117-81-7	Bis(2-ethylhexyl) phthalate	430		58	17
85-68-7	Butyl benzyl phthalate	ND		58	17
105-60-2	Caprolactam	ND		58	17
86-74-8	Carbazole	ND		58	17
218-01-9	Chrysene	78		58	17
53-70-3	Dibenz(a,h)anthracene	ND		58	17
132-64-9	Dibenzofuran	ND		58	17
84-66-2	Diethyl phthalate	ND		58	17
131-11-3	Dimethyl phthalate	ND		58	17
84-74-2	Di-n-butyl phthalate	ND		58	51
117-84-0	Di-n-octyl phthalate	ND		58	29
206-44-0	Fluoranthene	170		58	17
86-73-7	Fluorene	ND		58	17
118-74-1	Hexachlorobenzene	ND		58	17
87-68-3	Hexachlorobutadiene	ND		58	17
77-47-4	Hexachlorocyclopentadiene	ND		120	17
67-72-1	Hexachloroethane	ND		58	17
193-39-5	Indeno[1,2,3-cd]pyrene	64		58	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: J2084.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.44(g) | Date Analyzed: 12/21/2010 20:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		58	17
91-20-3	Naphthalene	ND		140	17
98-95-3	Nitrobenzene	ND		58	17
621-64-7	N-Nitrosodi-n-propylamine	ND		58	17
87-86-5	Pentachlorophenol	ND		58	17
85-01-8	Phenanthrene	110		69	17
108-95-2	Phenol	820		58	17
101-84-8	Diphenyl oxide	150		58	17
129-00-0	Pyrene	160		58	17
62-75-9	N-Nitrosodimethylamine	ND		58	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	60		30-130
4165-62-2	Phenol-d5	58		30-130
4165-60-0	Nitrobenzene-d5	43		30-130
118-79-6	2,4,6-Tribromophenol	65		30-130
1718-51-0	Terphenyl-d14	43		30-130
321-60-8	2-Fluorobiphenyl	49		30-130
118-79-6	2,4,6-Tribromophenol	65		30-130
321-60-8	2-Fluorobiphenyl	49		30-130
367-12-4	2-Fluorophenol	60		30-130
4165-60-0	Nitrobenzene-d5	43		30-130
4165-62-2	Phenol-d5	58		30-130
1718-51-0	Terphenyl-d14	43		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: J2084.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.44(g) | Date Analyzed: 12/21/2010 20:41

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 26340

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.21	23000	T J
	Unknown	11.98	320	T J
	Unknown	12.01	370	T J
	Unknown	12.05	240	T J
	Unknown	12.17	440	T J
	Unknown	12.44	260	T J
	Unknown	14.44	310	T J
1599-67-3	1-Docosene	14.89	280	T J N
629-99-2	Pentacosane	15.95	440	T J N
	Unknown	16.67	680	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D
Lims ID: 360-31465-A-12-E
Client ID: OC-SD-SD-SD2-DUP
Inject. Date: 21-Dec-2010 20:41:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-12-E
Misc. Info.:
Operator: CT
Instrument ID: Inst. J
Vol. Injected: 2.0000
ALS Bottle#: 14
Lims Batch ID: 67510
Lims Sample ID: 16
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15
Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 22-Dec-2010 14:48:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.926	7.932	-0.006	94	85405	4.00	
* 2 Naphthalene-d8	136	9.258	9.259	-0.001	99	376812	4.00	
* 3 Acenaphthene-d10	164	11.042	11.043	-0.001	92	181754	4.00	
* 4 Phenanthrene-d10	188	12.543	12.539	0.004	95	306555	4.00	
* 5 Chrysene-d12	240	15.144	15.140	0.004	78	158614	4.00	
* 6 Perylene-d12	264	16.370	16.362	0.008	79	55484	4.00	
$ 7 2-Fluorophenol	112	6.503	6.456	0.047	86	112753	5.99	
$ 8 Phenol-d5	99	7.517	7.514	0.003	85	121172	5.79	
$ 9 Nitrobenzene-d5	82	8.503	8.509	-0.006	86	40874	2.14	
$ 10 2-Fluorobiphenyl	172	10.331	10.336	-0.005	100	113729	2.43	
$ 11 2,4,6-Tribromophenol	330	11.836	11.832	0.004	91	24405	6.46	
$ 12 Terphenyl-d14	244	14.096	14.092	0.004	98	60088	2.13	
16 Benzaldehyde	105	7.455	7.461	-0.006	45	94397	7.07	
17 Phenol	94	7.532	7.528	0.004	98	284036	14.3	
21 1,3-Dichlorobenzene	146	7.869	7.874	-0.005	99	10449	0.4211	
22 1,4-Dichlorobenzene	146	7.945	7.951	-0.006	53	4363	0.1710	
27 3 & 4 Methylphenol	107	8.330	8.326	0.004	95	671282	36.3	5
38 1,2,4-Trichlorobenzene	180	9.191	9.197	-0.006	68	2165	0.0982	
40 Naphthalene	128	9.278	9.283	-0.005	97	14153	0.1932	
46 1-Methylnaphthalene	142	10.081	10.081	0.0	56	4538	0.0986	
53 Phenyl ether	170	10.537	10.538	-0.001	94	75297	2.56	
58 Acenaphthylene	152	10.898	10.904	-0.006	90	5773	0.0903	
62 Acenaphthene	153	11.071	11.077	-0.006	76	9148	0.2361	
64 Dibenzofuran	168	11.244	11.245	-0.001	66	5914	0.1099	
70 Fluorene	166	11.591	11.591	0.0	92	10384	0.2358	
75 N-Nitrosodiphenylamine	169	11.677	11.678	-0.001	52	163529	5.29	
71 Diphenylamine	169	11.677	11.678	-0.001	0	163529	4.52	
74 Benzophenone	105	11.740	11.736	0.004	33	20937	0.5308	
81 Phenanthrene	178	12.567	12.563	0.004	97	114506	1.91	
82 Anthracene	178	12.620	12.616	0.004	73	21171	0.3660	
55 DFTPP	198	12.620	12.740	-0.120	0	23698	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
83 Carbazole	167	12.764	12.760	0.004	96	12304	0.2615	
84 Di-n-butyl phthalate	149	13.048	13.044	0.004	84	12067	0.1584	
86 Fluoranthene	202	13.774	13.760	0.014	97	154288	2.88	
88 Pyrene	202	13.995	13.991	0.004	98	129467	2.76	
91 Bis(2-ethylhexyl) phthalate	149	15.034	15.030	0.004	93	225571	7.53	
93 Benzo[a]anthracene	228	15.135	15.126	0.009	75	40270	1.26	
94 Chrysene	228	15.168	15.164	0.004	96	39672	1.35	
97 Benzo[b]fluoranthene	252	16.005	15.996	0.009	75	25420	1.63	M
98 Benzo[k]fluoranthene	252	16.024	16.020	0.004	80	9359	0.6622	M
99 Benzo[a]pyrene	252	16.318	16.309	0.009	37	19558	1.75	A
102 Indeno[1,2,3-cd]pyrene	276	17.674	17.665	0.009	93	6959	1.10	
101 Benzo[g,h,i]perylene	276	18.087	18.074	0.013	94	5647	0.9513	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated
A - User Assigned ID

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D		
Lims ID:	360-31465-A-12-E	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	21-Dec-2010 20:41:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-12-E		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	67510	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m		
Last Update:	22-Dec-2010 14:46:15	Calib Date:	21-Dec-2010 18:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	22-Dec-2010 14:48:51

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
6.214	53365350	393.7	1			
		Unknown				
11.980	1211075	5.64	4			
		Unknown				
12.014	1374624	6.40	4			
		Unknown				
12.052	877335	4.09	4			
		Unknown				
12.168	1642540	7.65	4			
		Unknown				
12.437	982794	4.58	4			
		Unknown				
14.437	616036	5.38	5			
	1599-67-3	1-Docosene				
14.885	551519	4.82	5	89	111438	
	629-99-2	Pentacosane				
15.952	304240	7.65	6	98	17109	
		Unknown				
16.673	471826	11.9	6			

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.926	542234	4.00
* 4 Phenanthrene-d10	12.543	858670	4.00
* 5 Chrysene-d12	15.144	457721	4.00
* 6 Perylene-d12	16.370	158987	4.00

QC Flag Legend

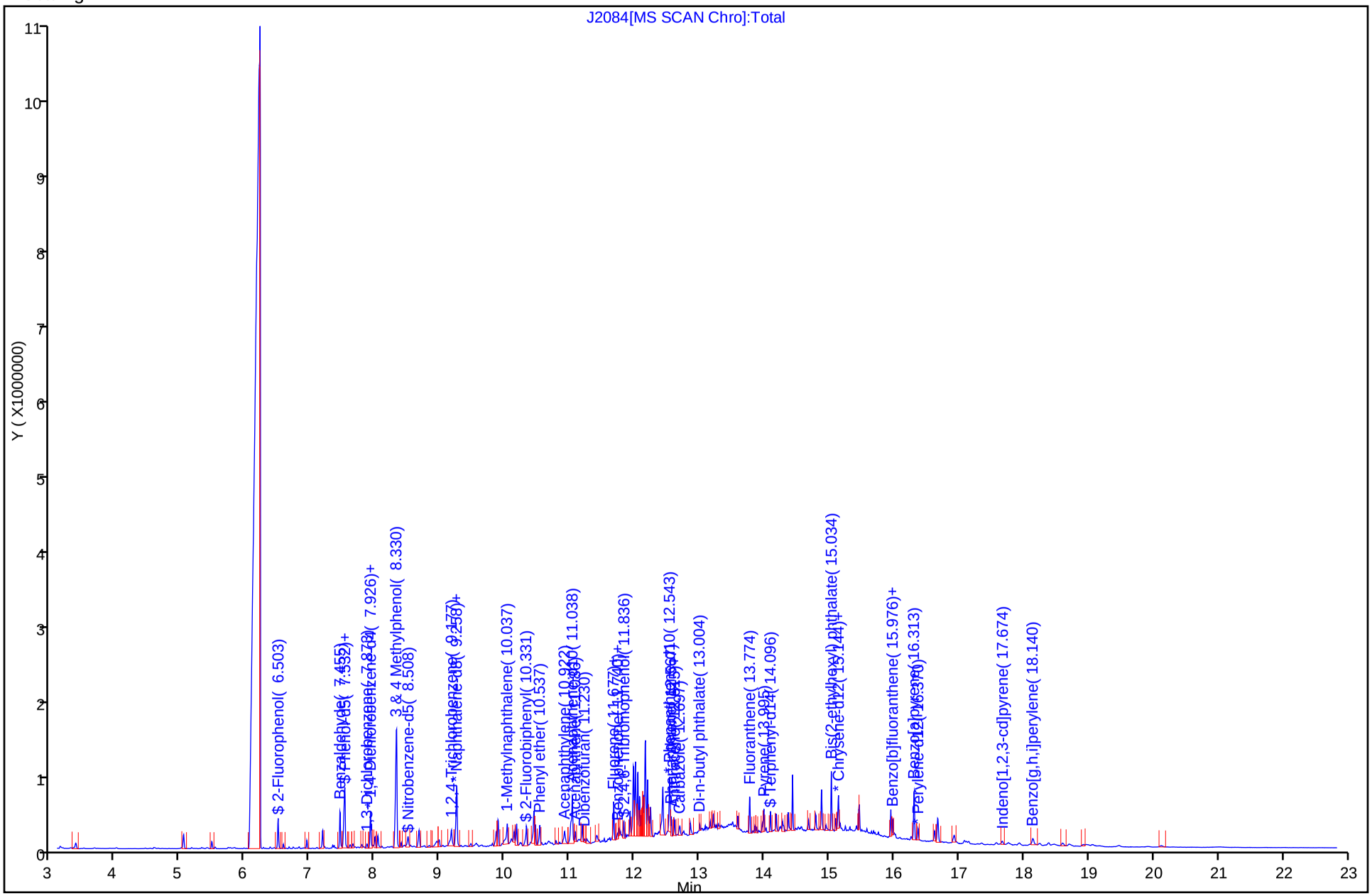
Processing Flags

Report Date: 22-Dec-2010 14:48:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

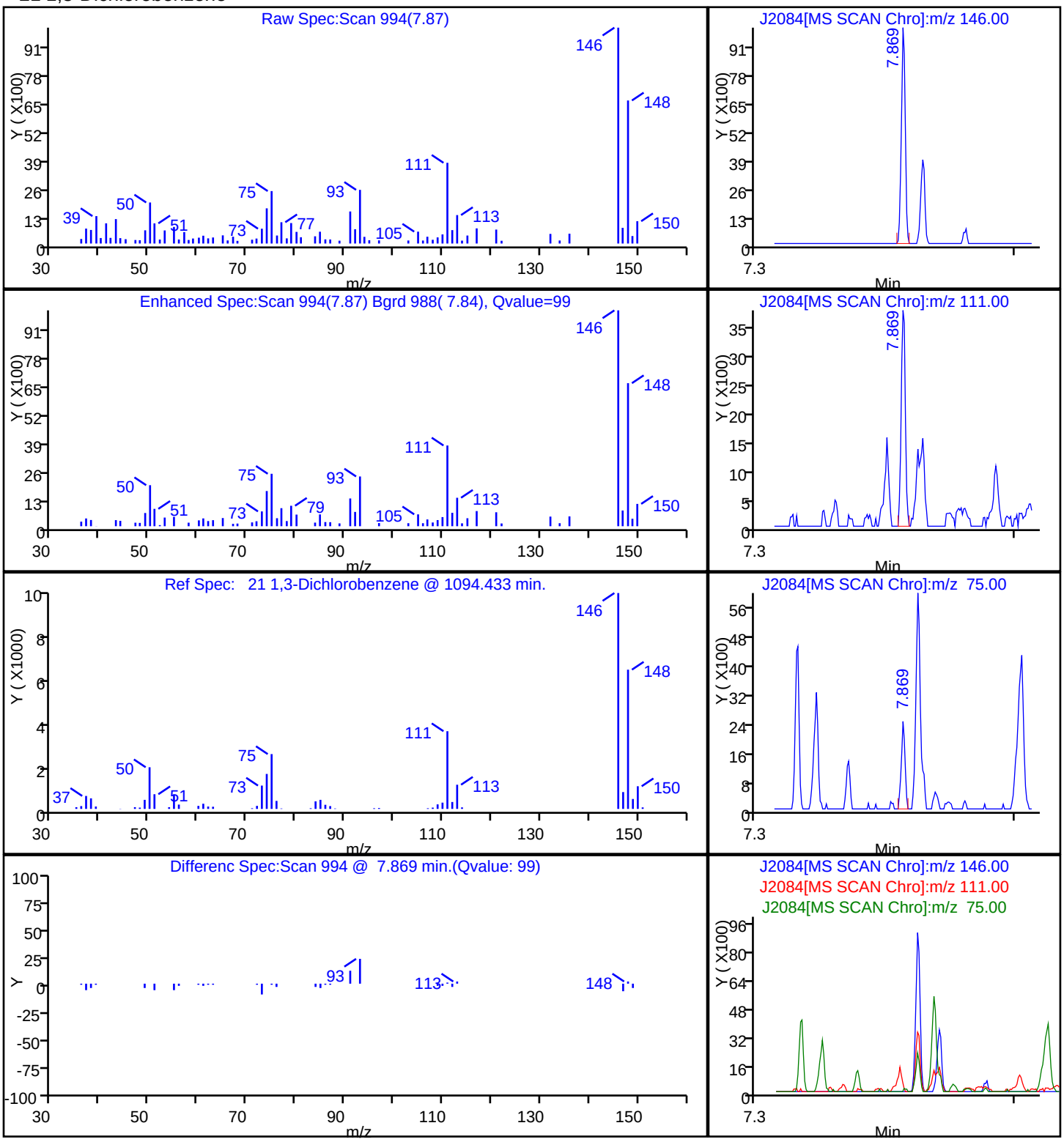
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 22-Dec-2010 14:48:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D
Injection Date: 21-Dec-2010 20:41:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul
21 1,3-Dichlorobenzene

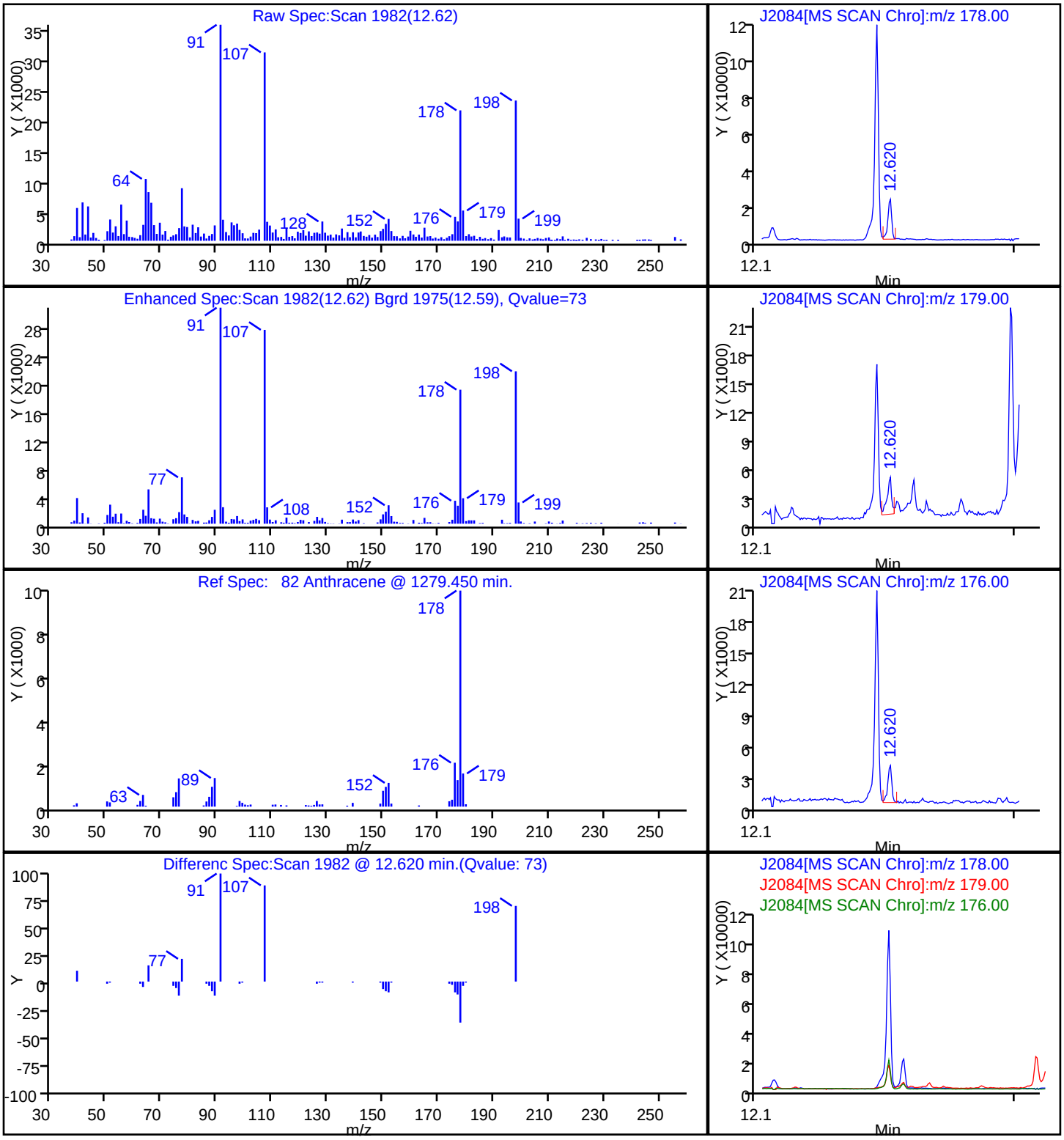


Report Date: 22-Dec-2010 14:48:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

82 Anthracene

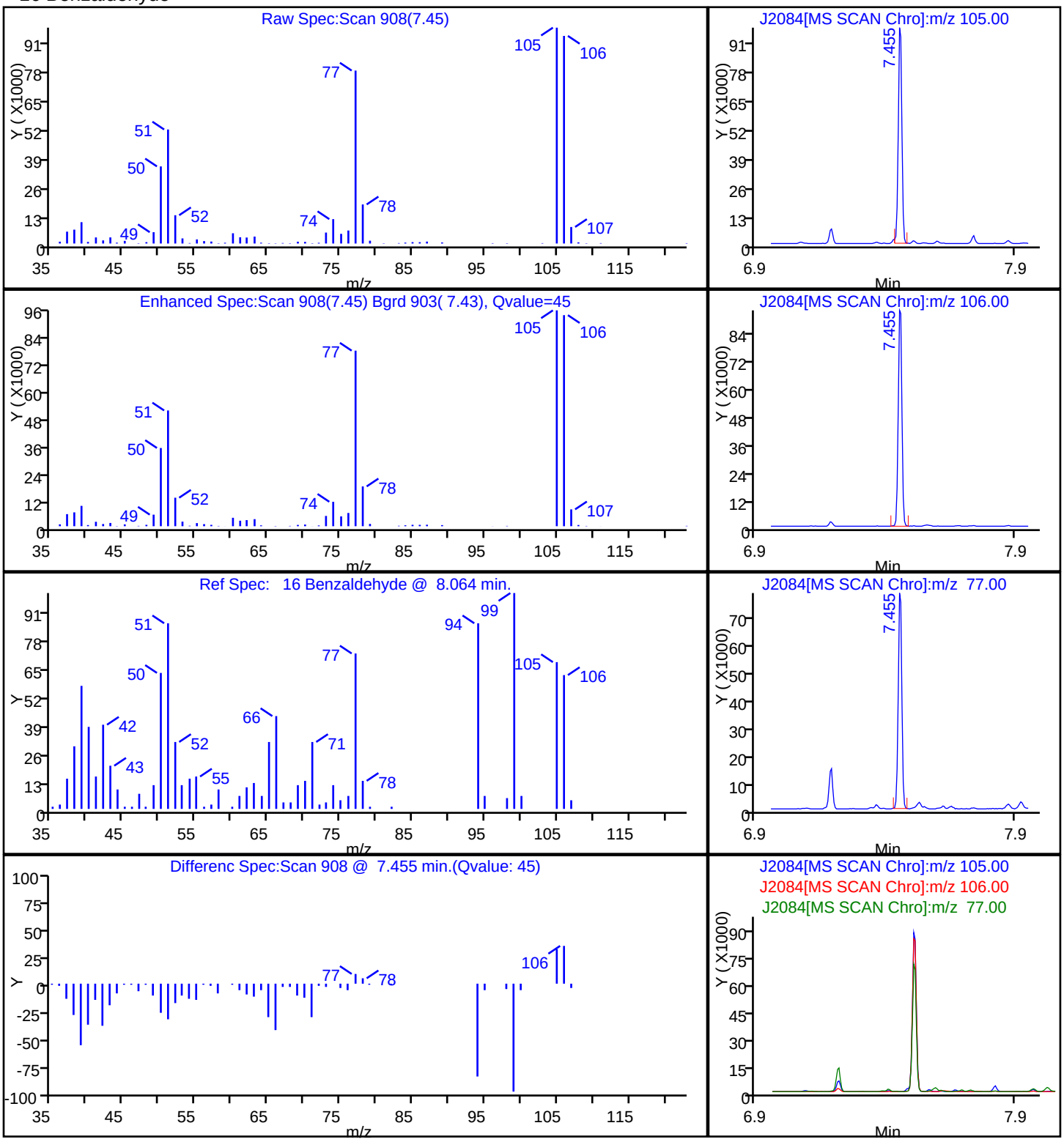


Report Date: 22-Dec-2010 14:48:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

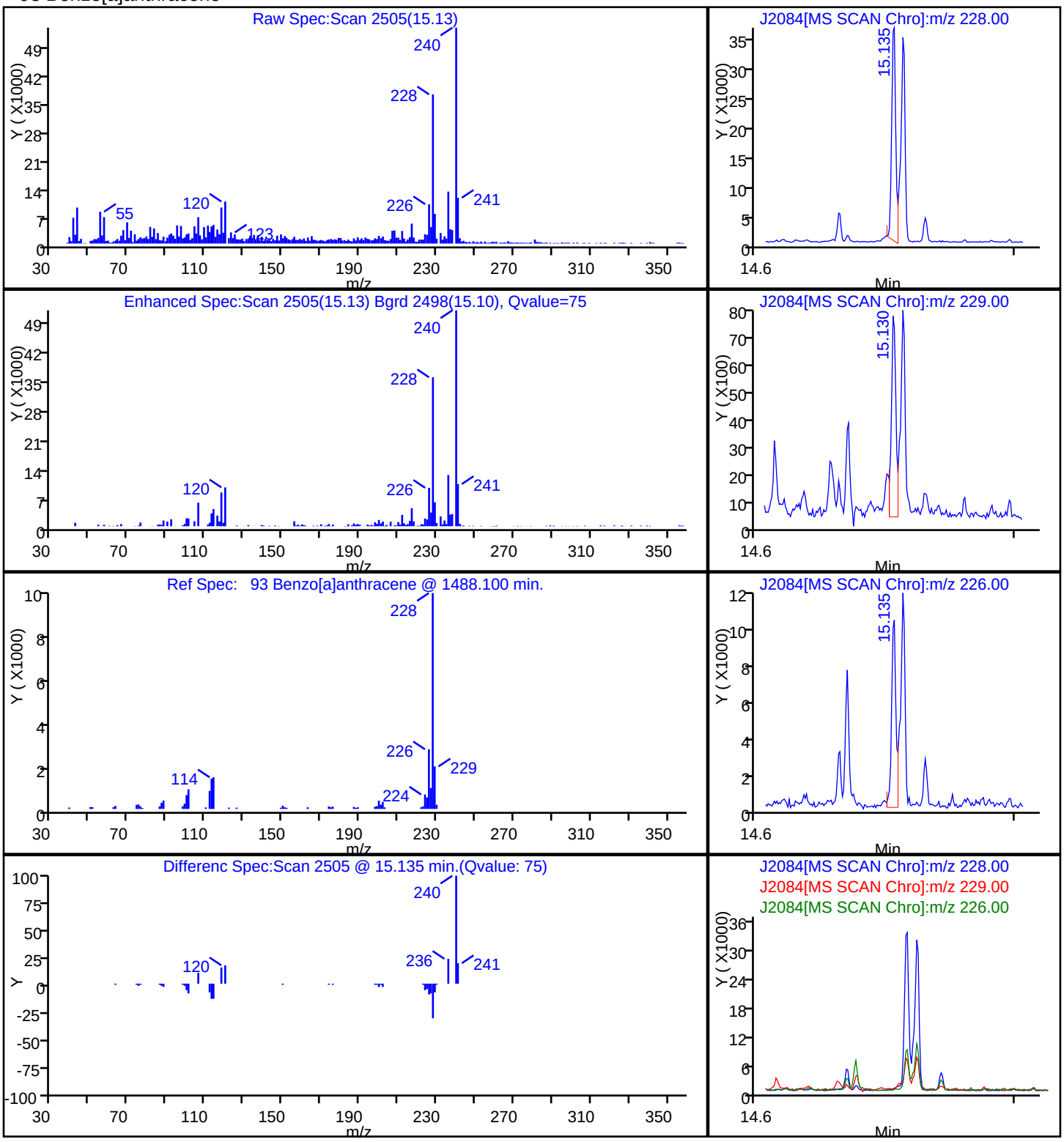
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

16 Benzaldehyde



Report Date: 22-Dec-2010 14:48:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D
Injection Date: 21-Dec-2010 20:41:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

93 Benzo[a]anthracene

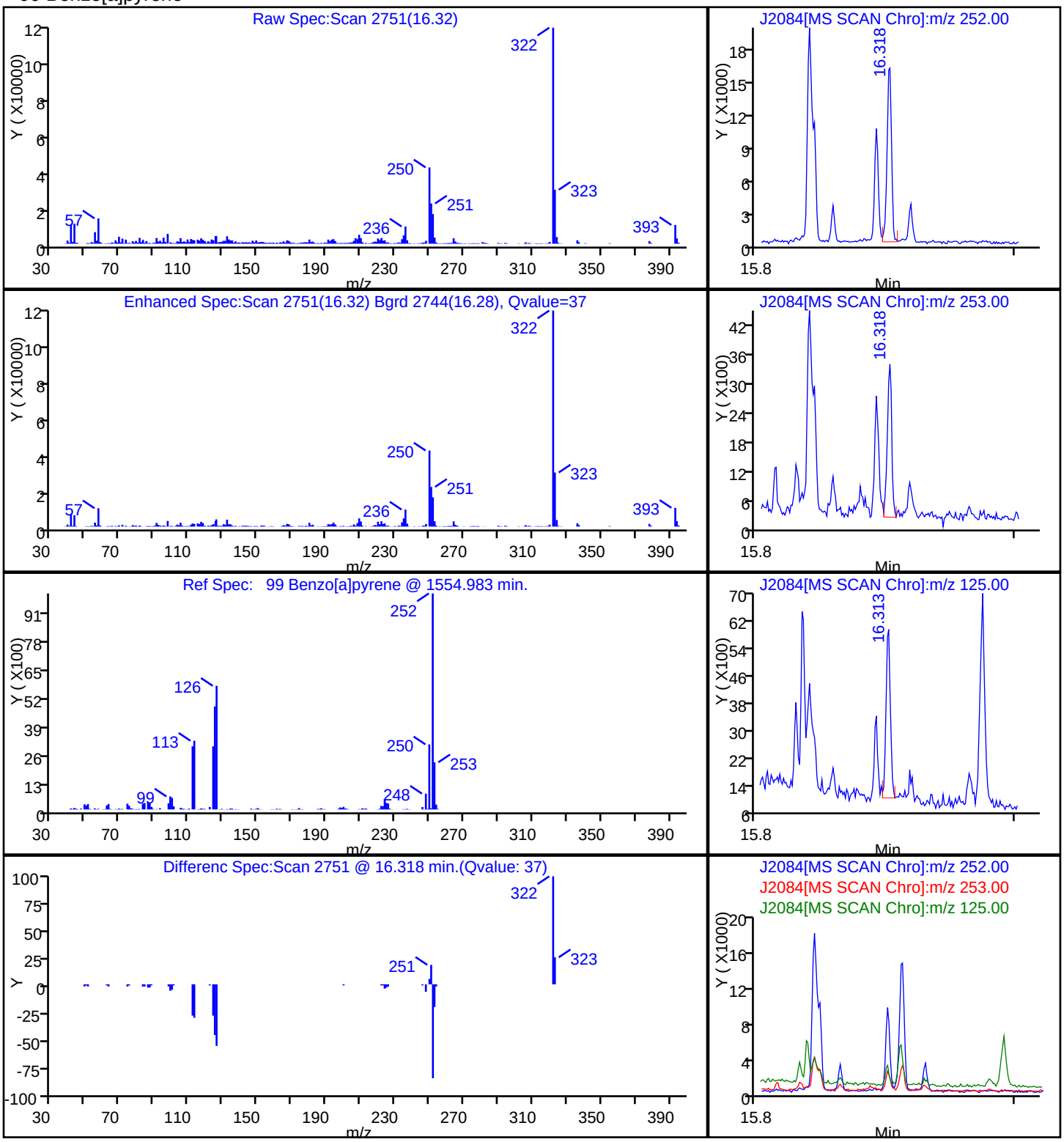


Report Date: 22-Dec-2010 14:48:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

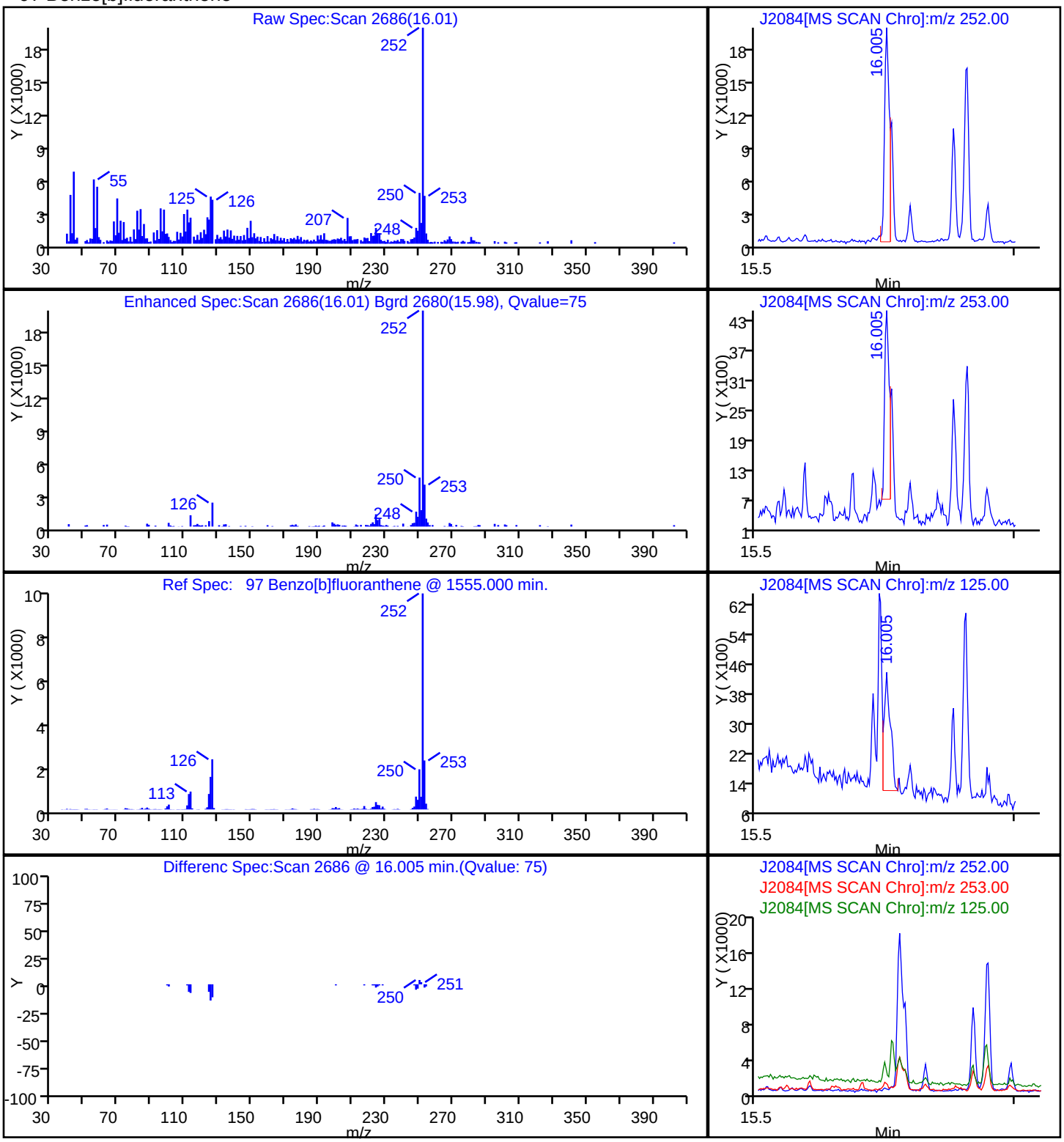


Report Date: 22-Dec-2010 14:48:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

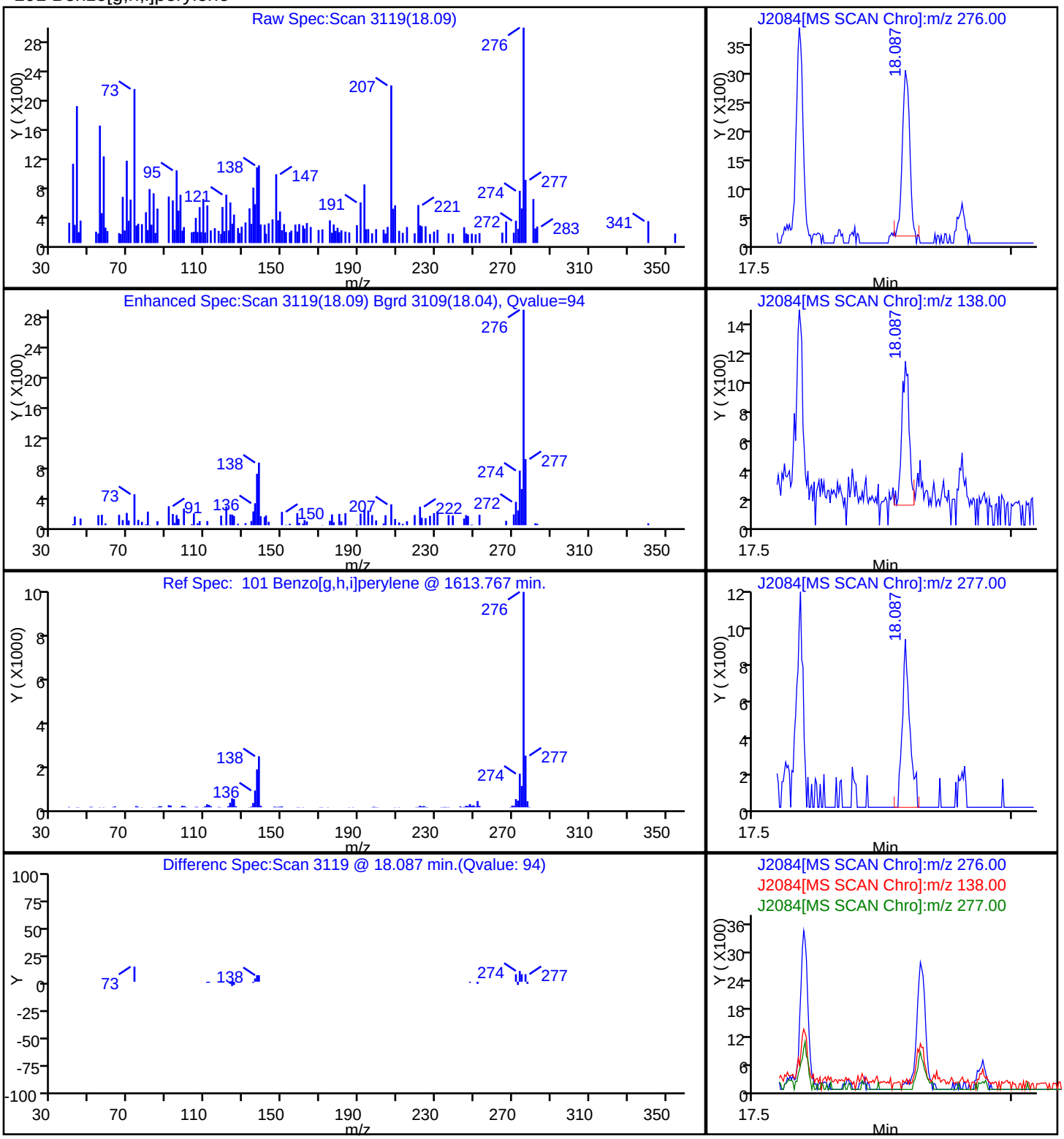


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

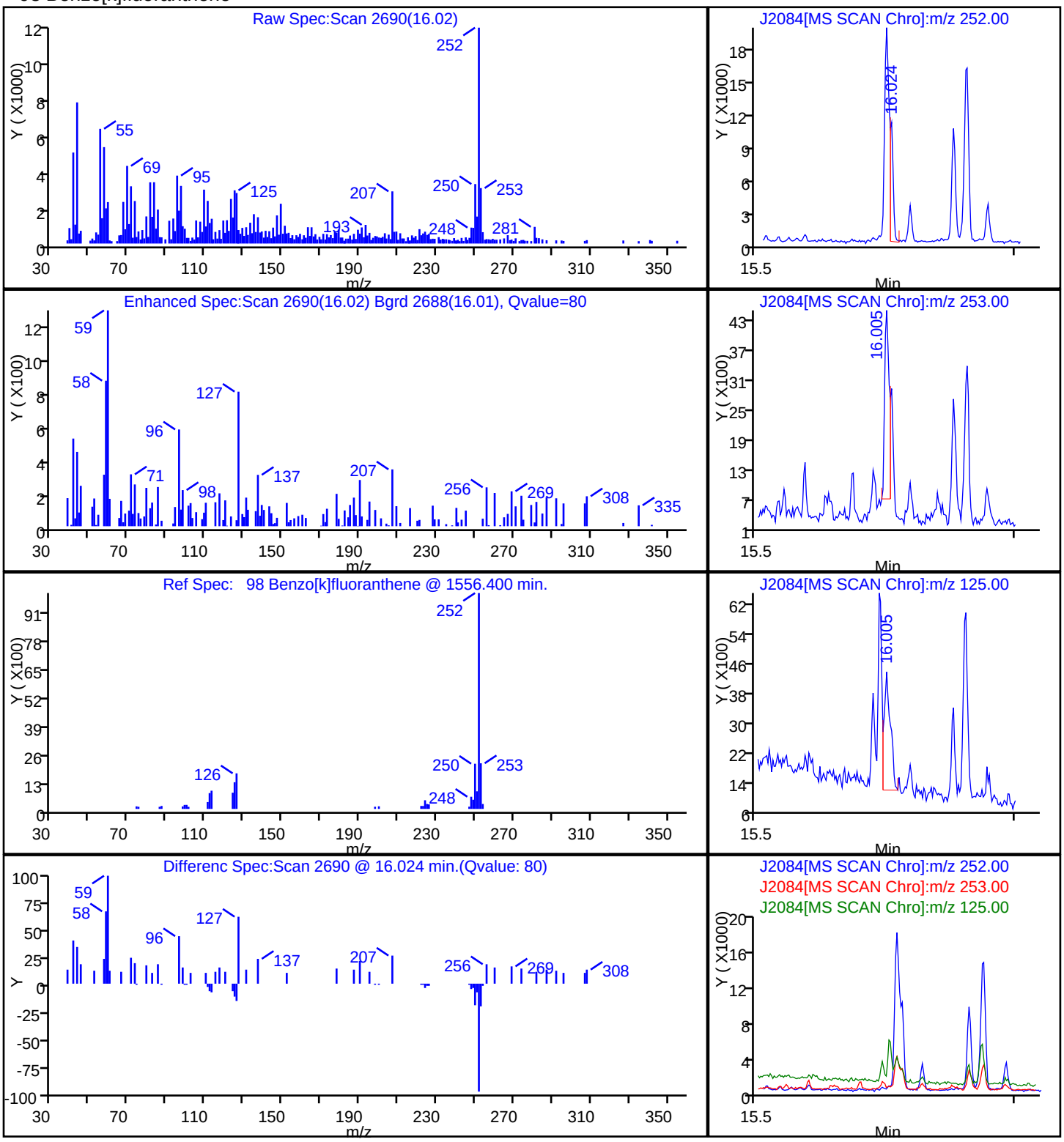
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

101 Benzo[g,h,i]perylene



Report Date: 22-Dec-2010 14:48:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D
Injection Date: 21-Dec-2010 20:41:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

98 Benzo[k]fluoranthene

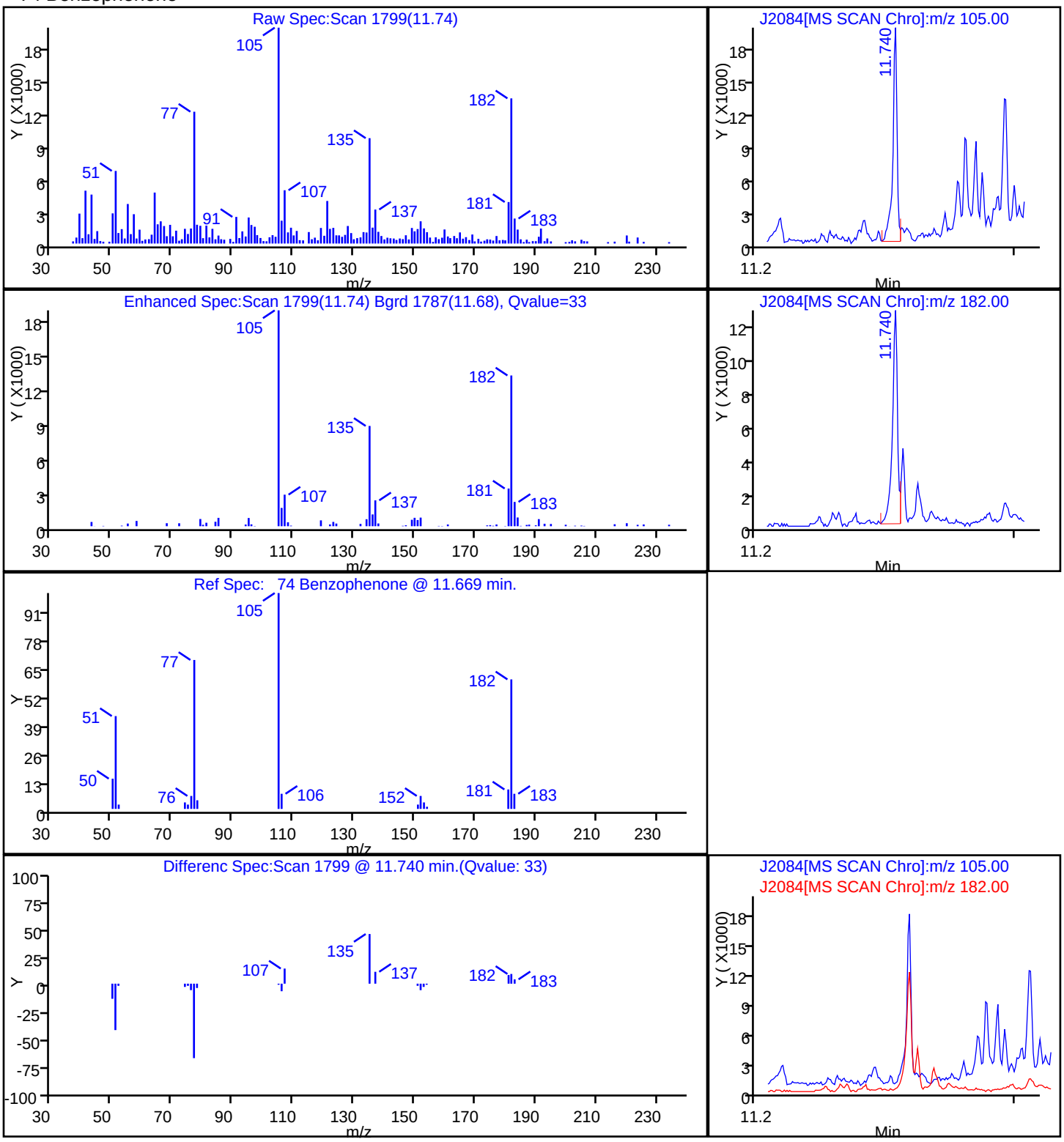


Report Date: 22-Dec-2010 14:48:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

74 Benzophenone

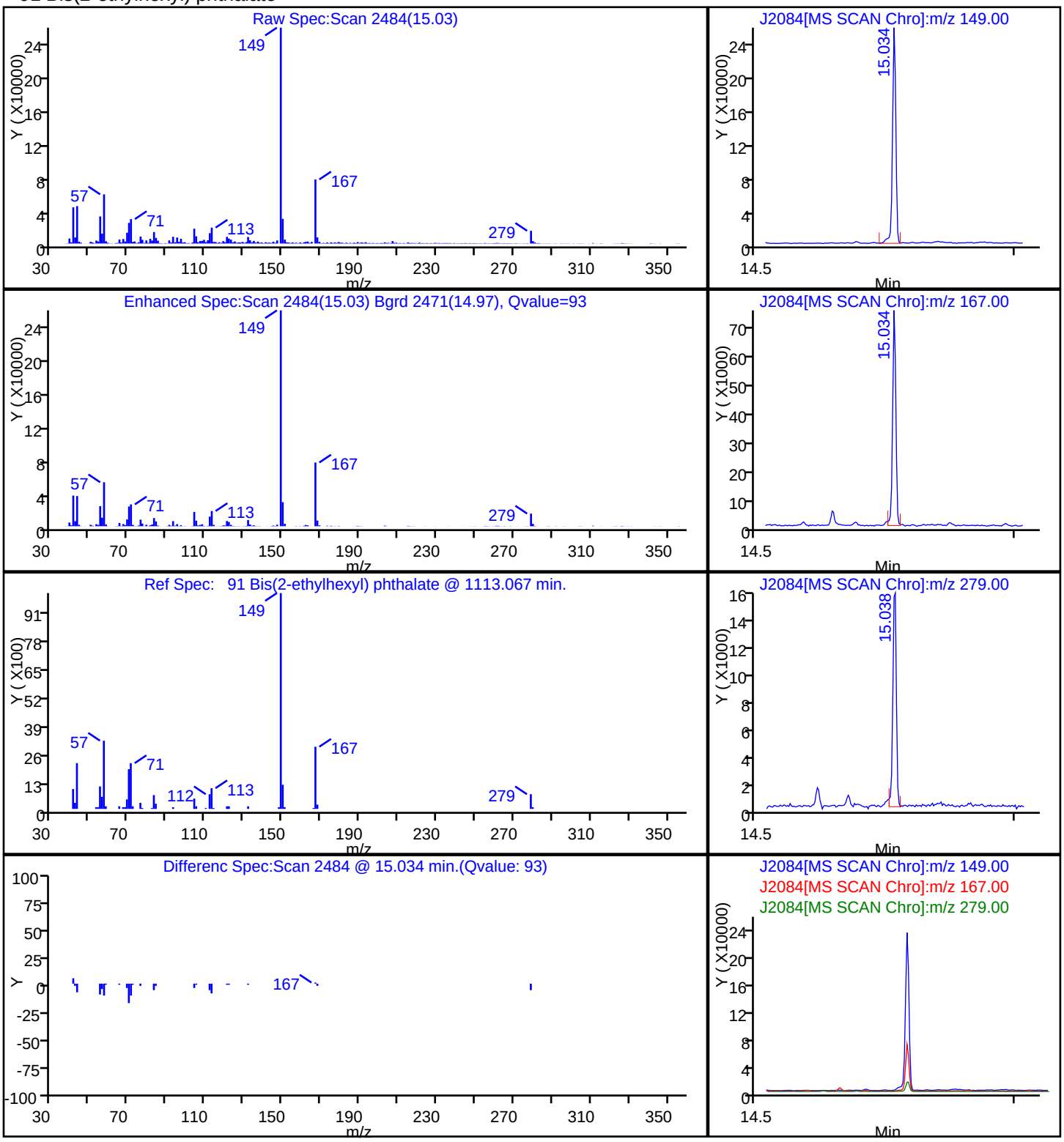


Report Date: 22-Dec-2010 14:48:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

91 Bis(2-ethylhexyl) phthalate

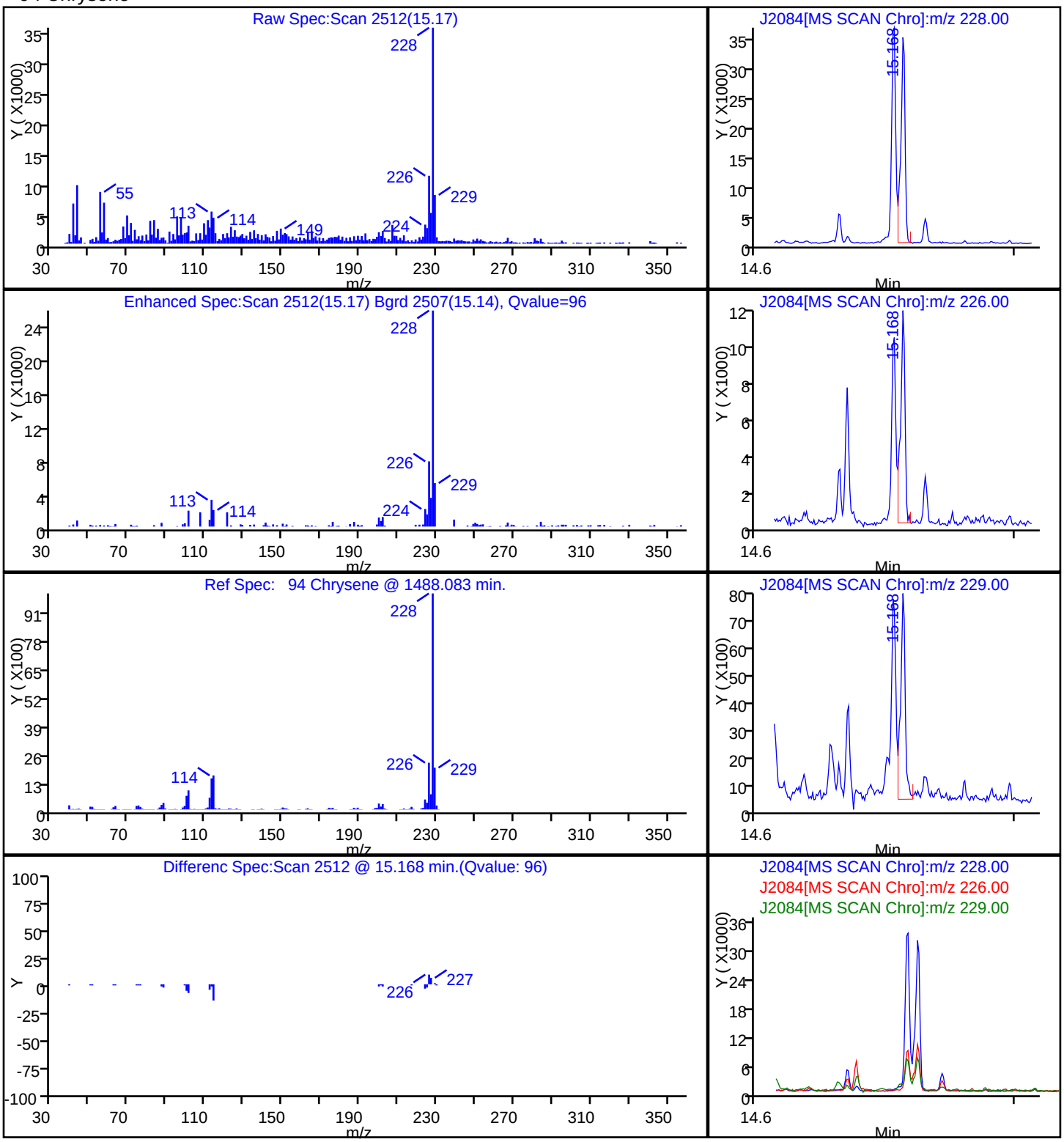


Report Date: 22-Dec-2010 14:48:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

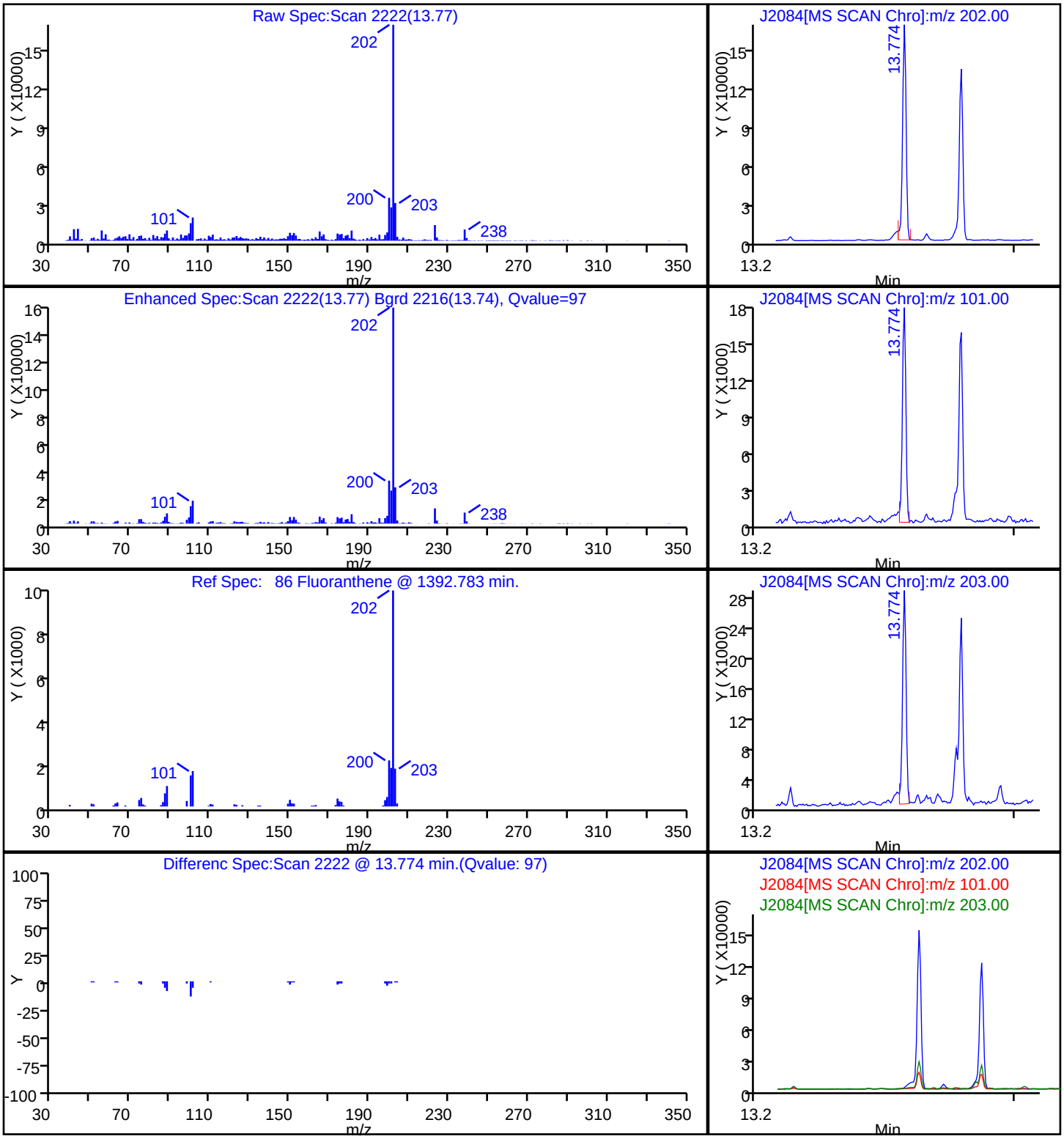


Report Date: 22-Dec-2010 14:48:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

86 Fluoranthene

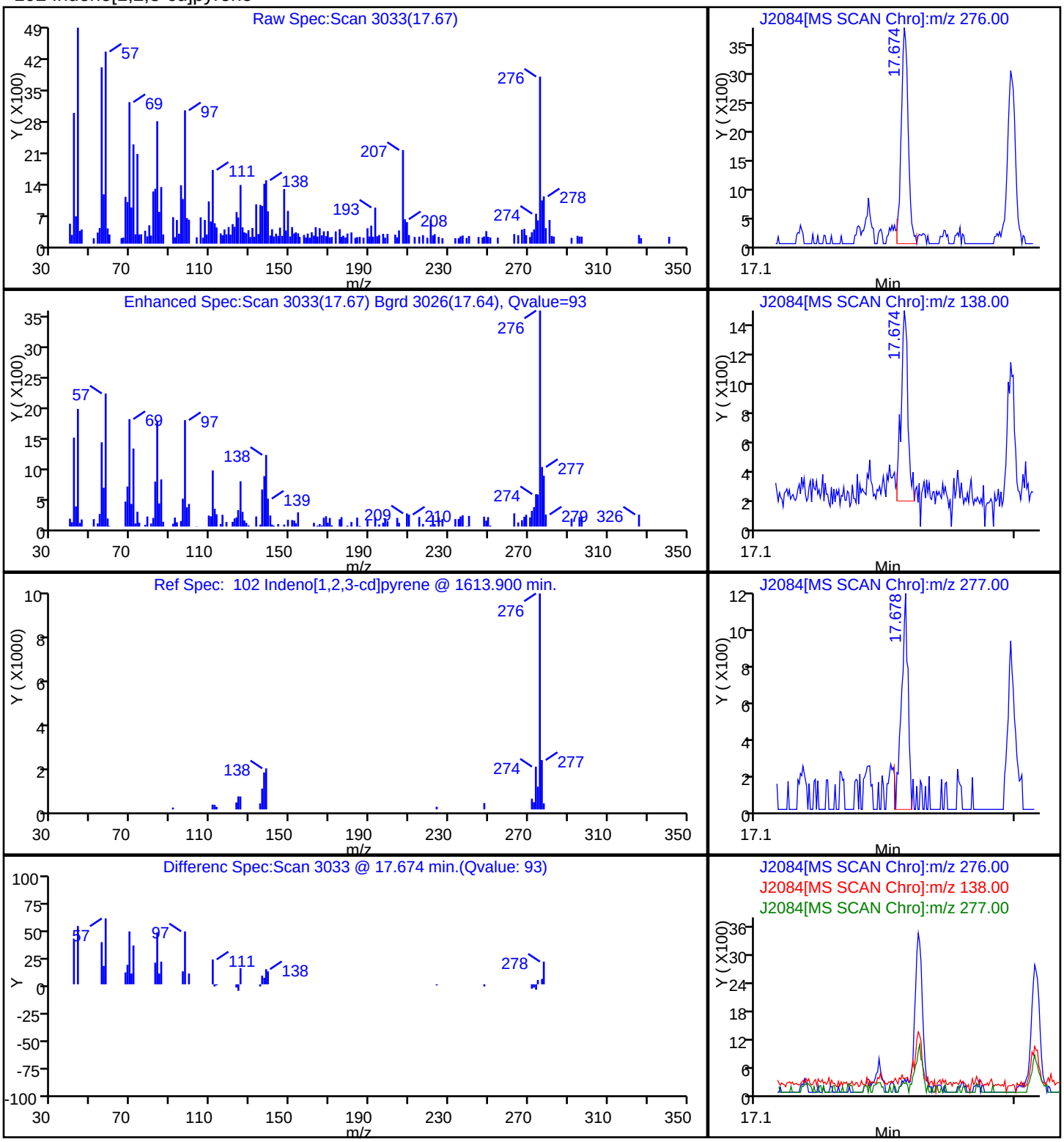


Report Date: 22-Dec-2010 14:48:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

102 Indeno[1,2,3-cd]pyrene

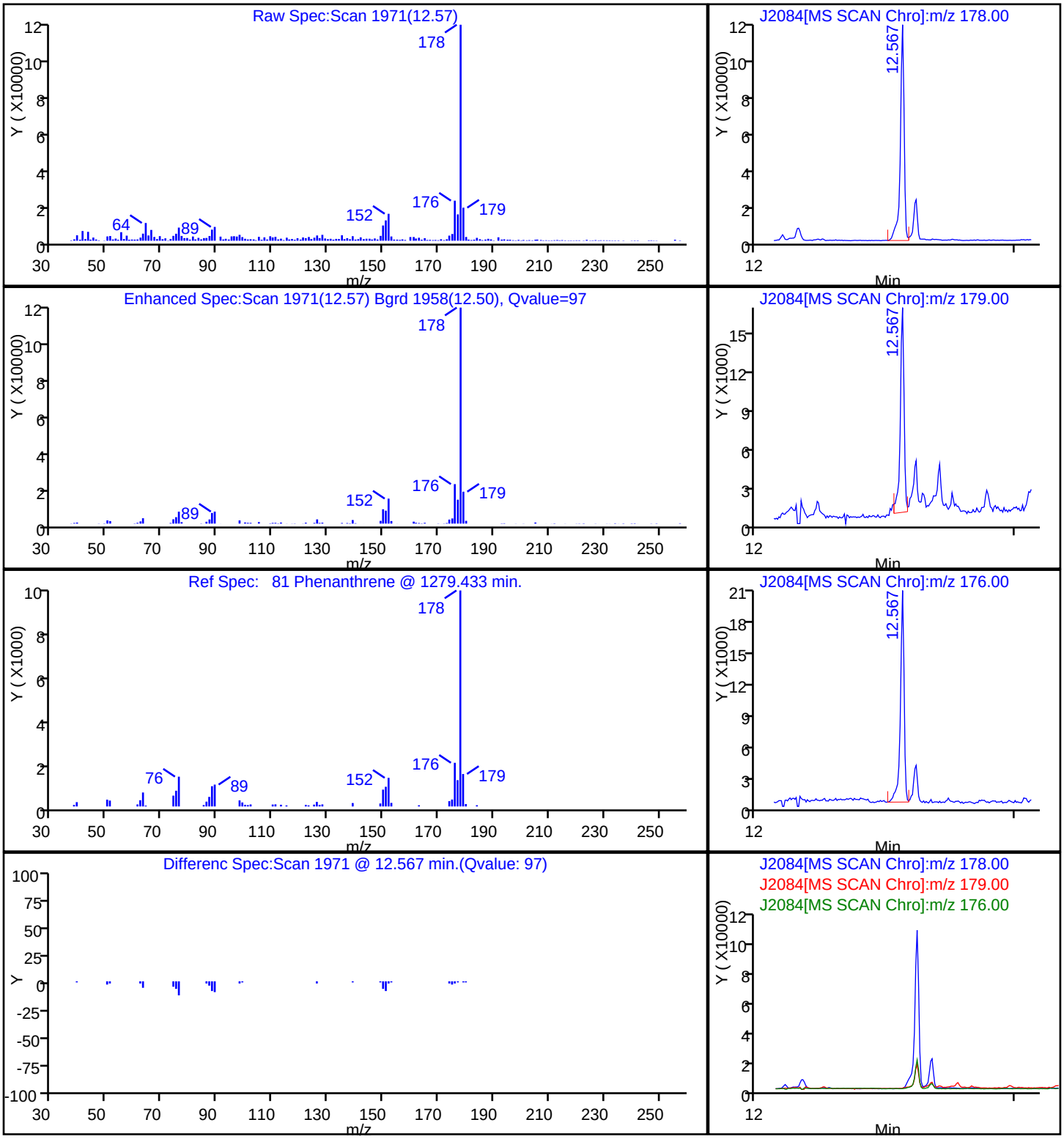


Report Date: 22-Dec-2010 14:48:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

81 Phenanthrene

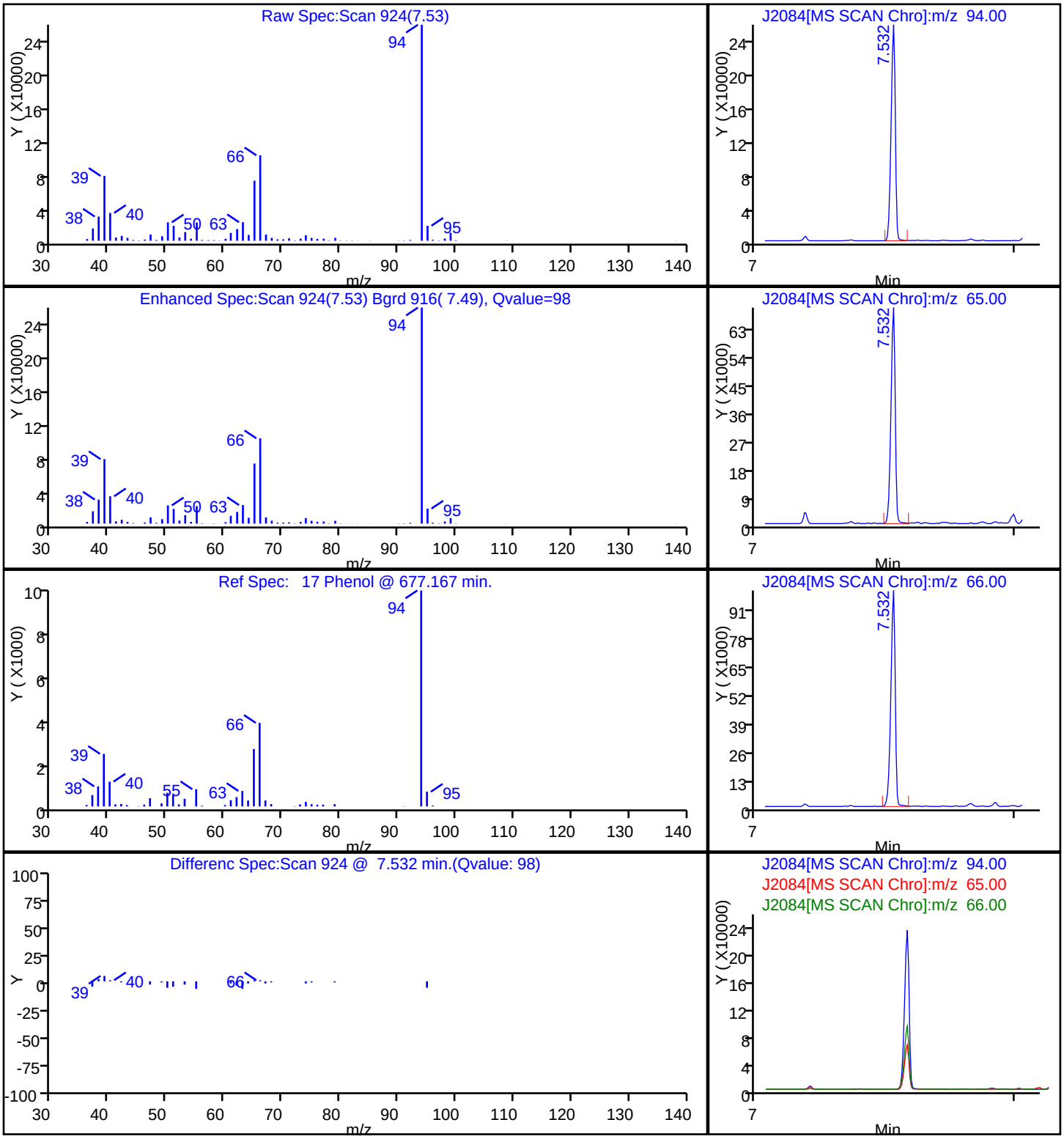


Report Date: 22-Dec-2010 14:48:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

17 Phenol

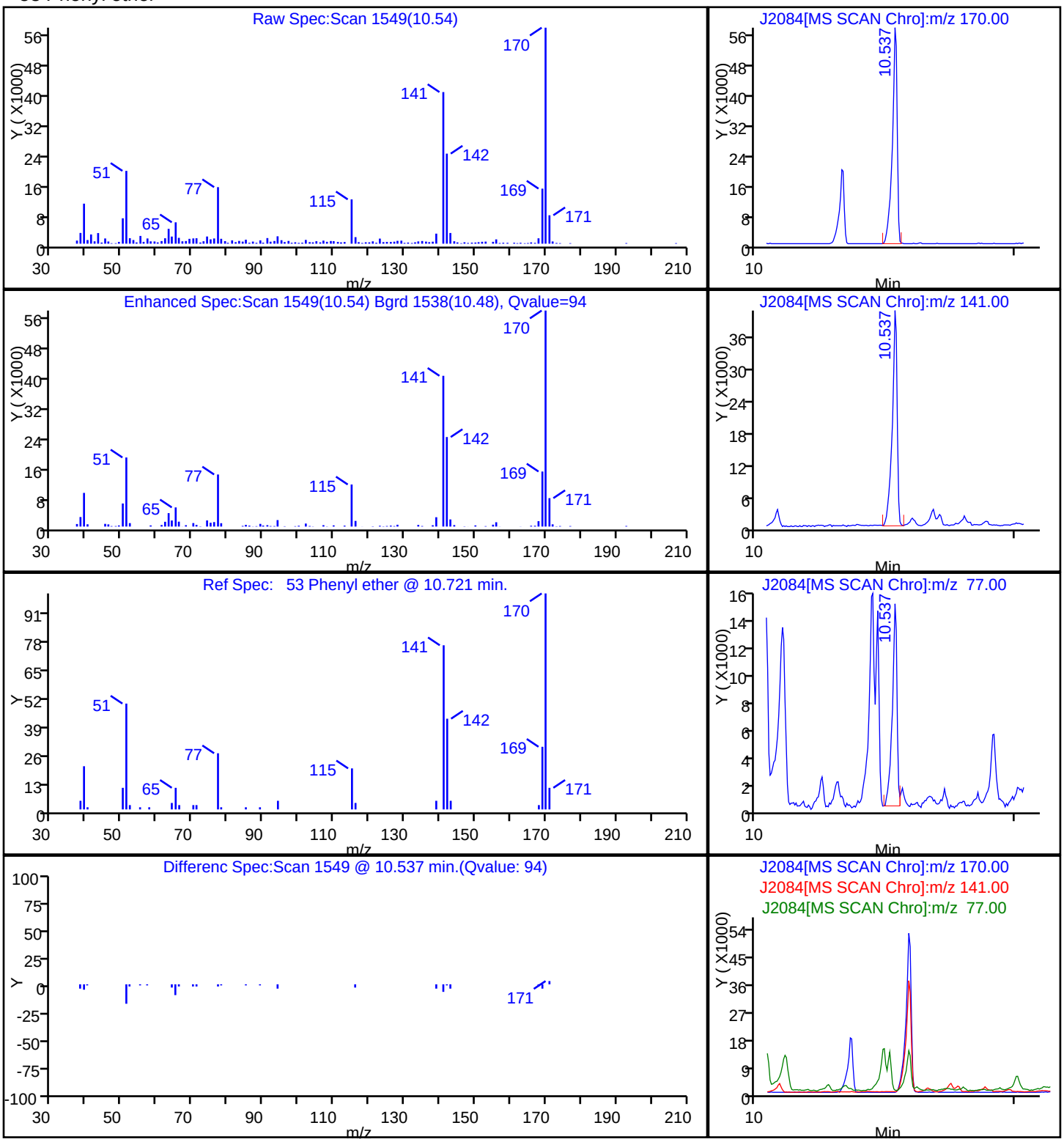


Report Date: 22-Dec-2010 14:48:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

53 Phenyl ether

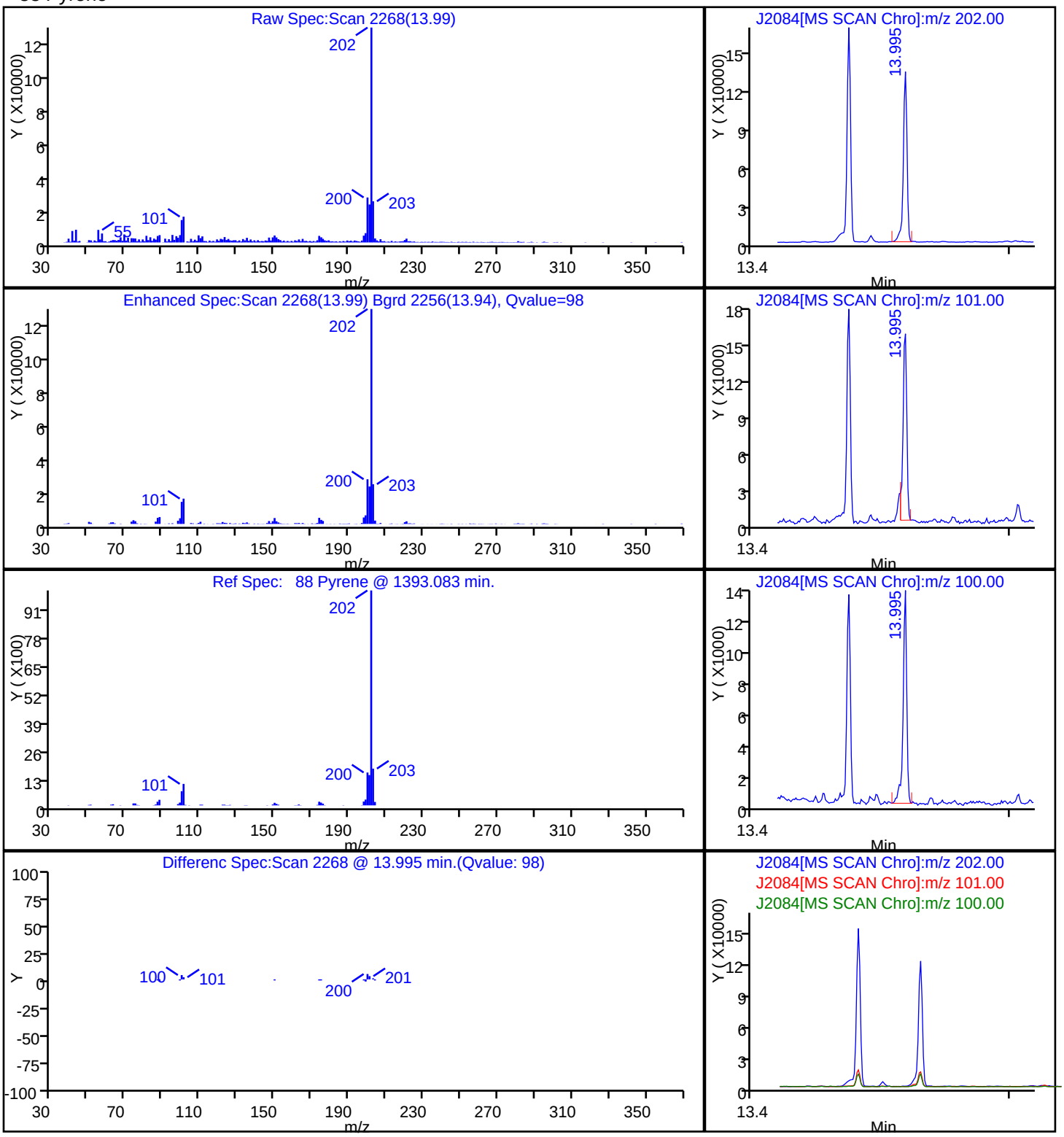


Report Date: 22-Dec-2010 14:48:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

88 Pyrene



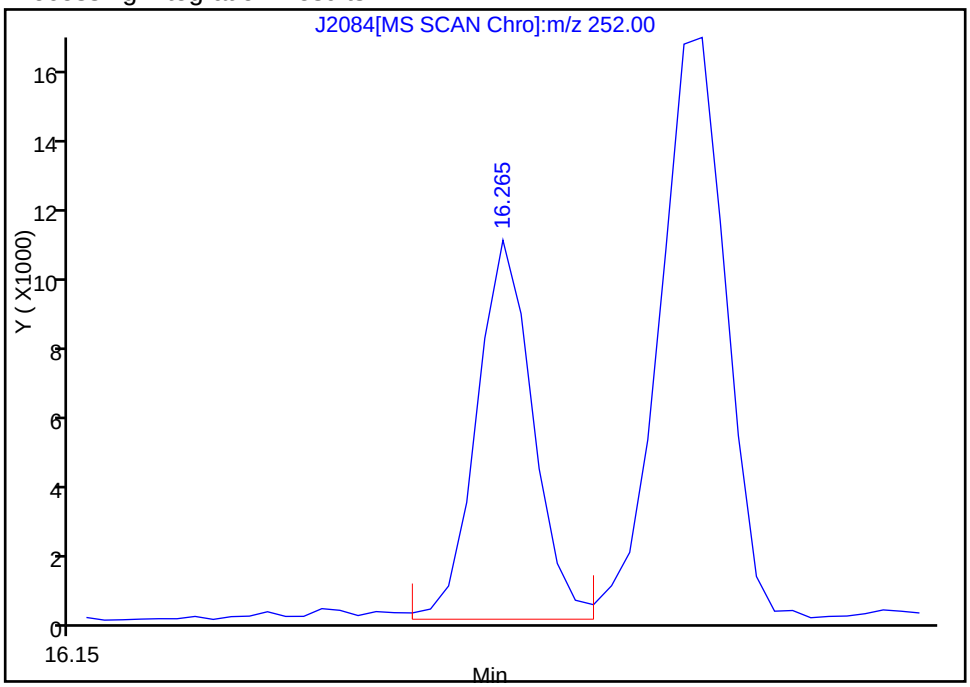
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D		
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.31

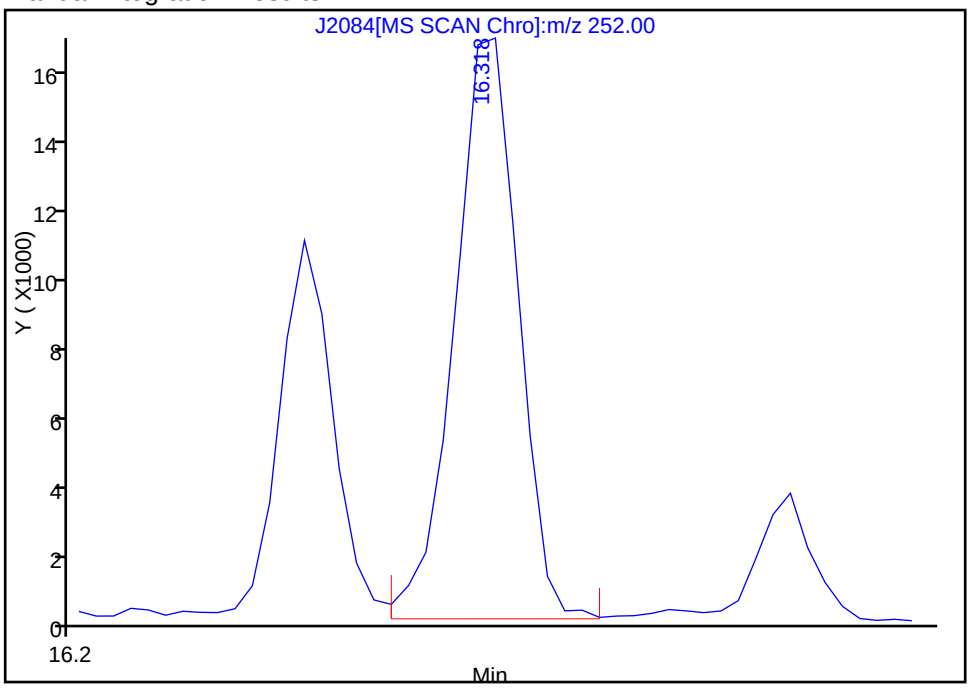
Processing Integration Results

RT: 16.26
Response: 10894
Amount: 0.977300



Manual Integration Results

RT: 16.32
Response: 19558
Amount: 1.754546



Reviewer: testerc, 22-Dec-2010 12:04:08
Audit Action: Assigned Compound ID
Audit Reason: Split Peak

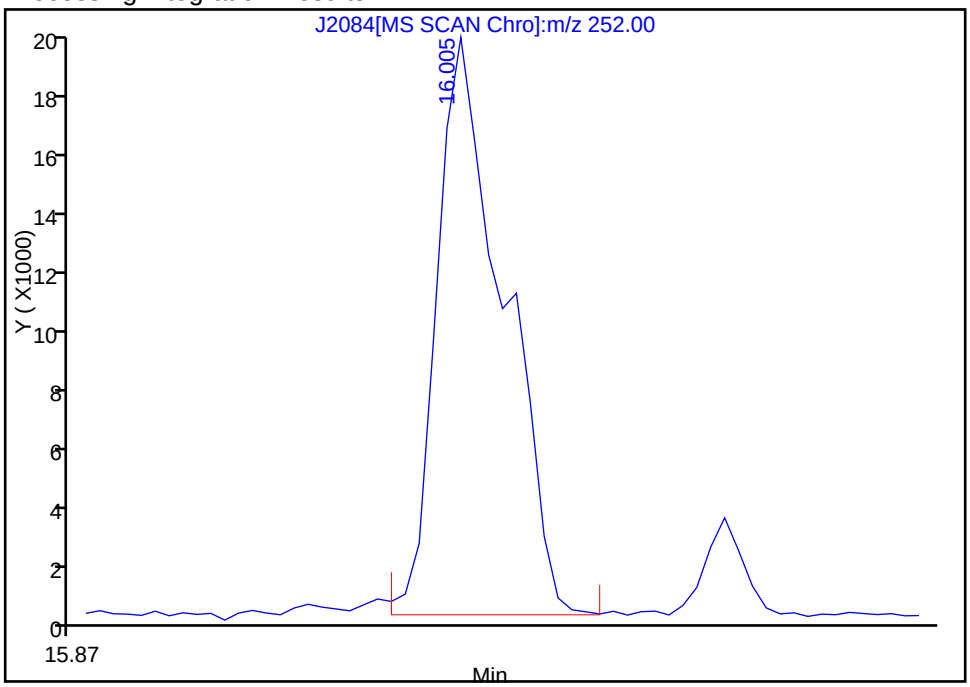
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D		
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.00

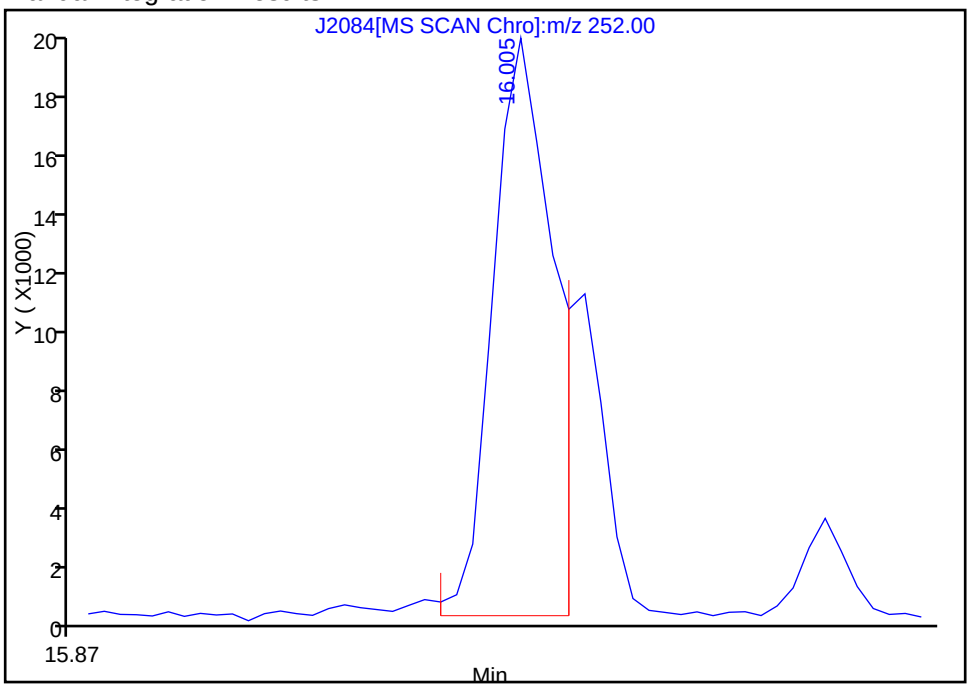
Processing Integration Results

RT: 16.01
Response: 31694
Amount: 2.031774



Manual Integration Results

RT: 16.01
Response: 25420
Amount: 1.629573



Reviewer: testerc, 22-Dec-2010 12:04:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

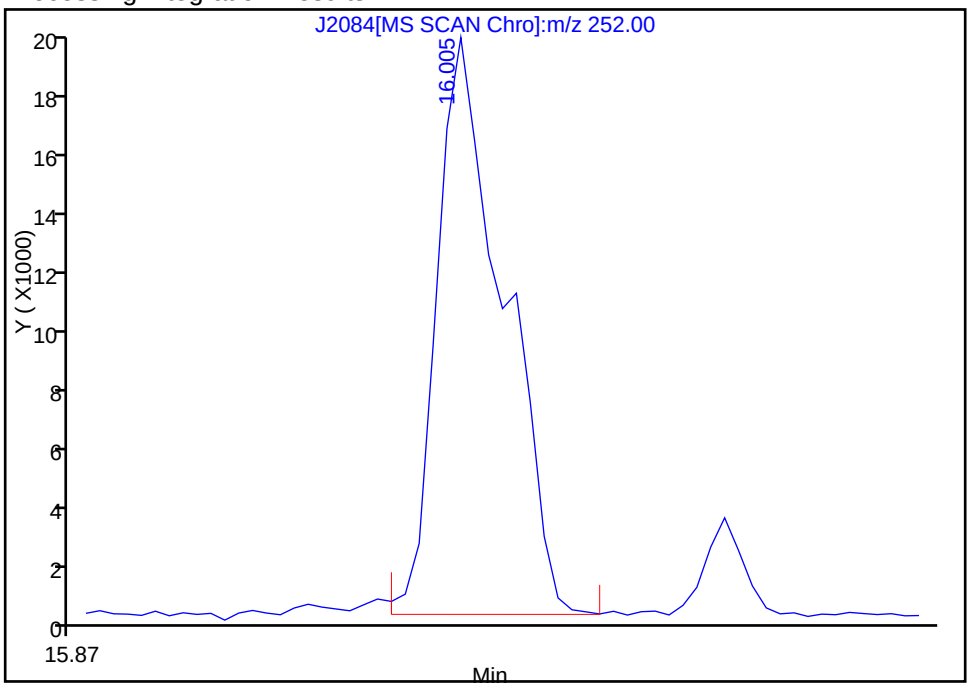
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D		
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.02

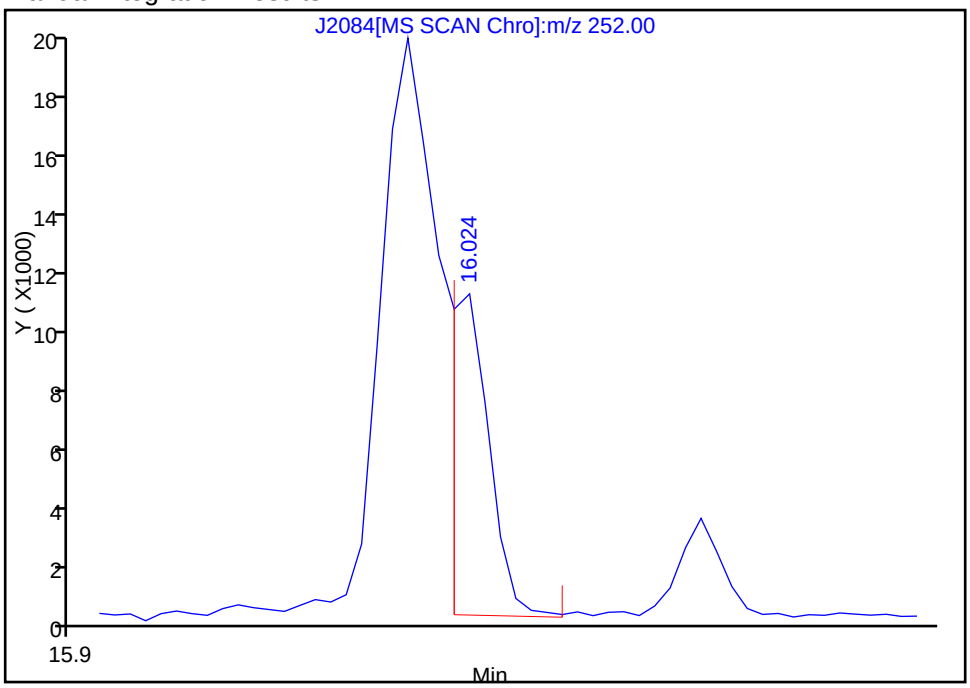
Processing Integration Results

RT: 16.01
Response: 31624
Amount: 2.237510



Manual Integration Results

RT: 16.02
Response: 9359
Amount: 0.662182

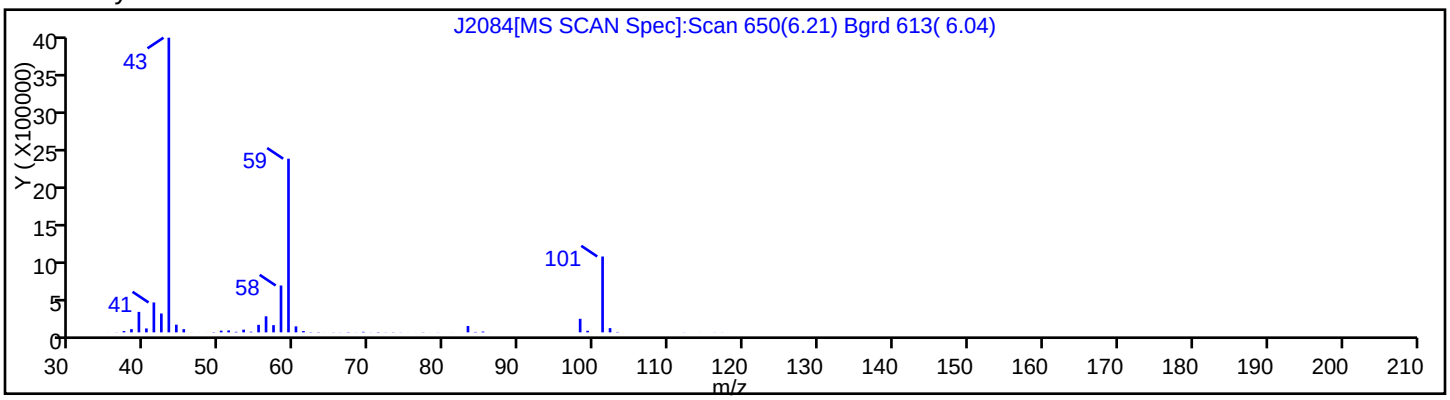


Reviewer: testerc, 22-Dec-2010 12:04:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D		
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

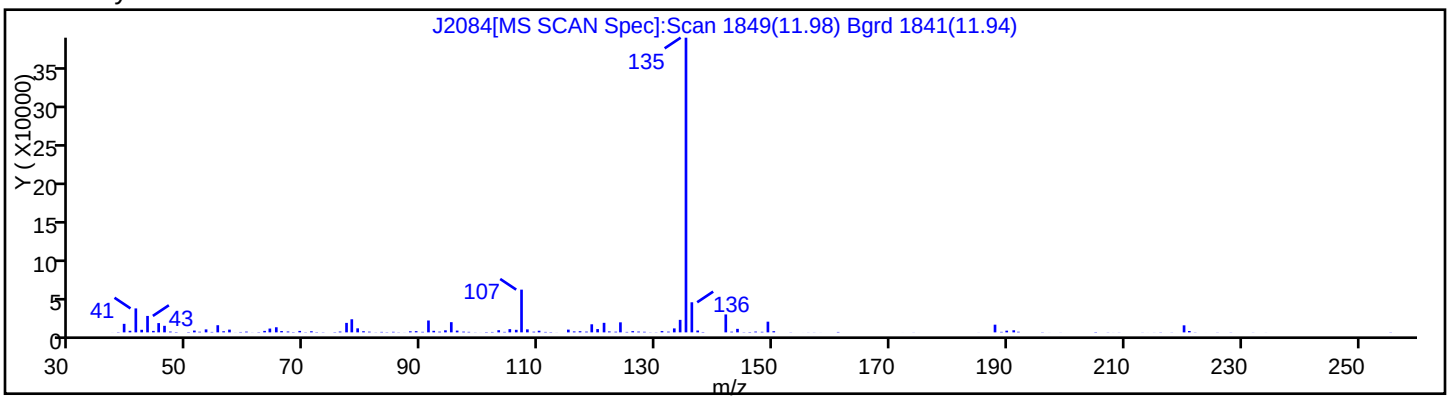


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

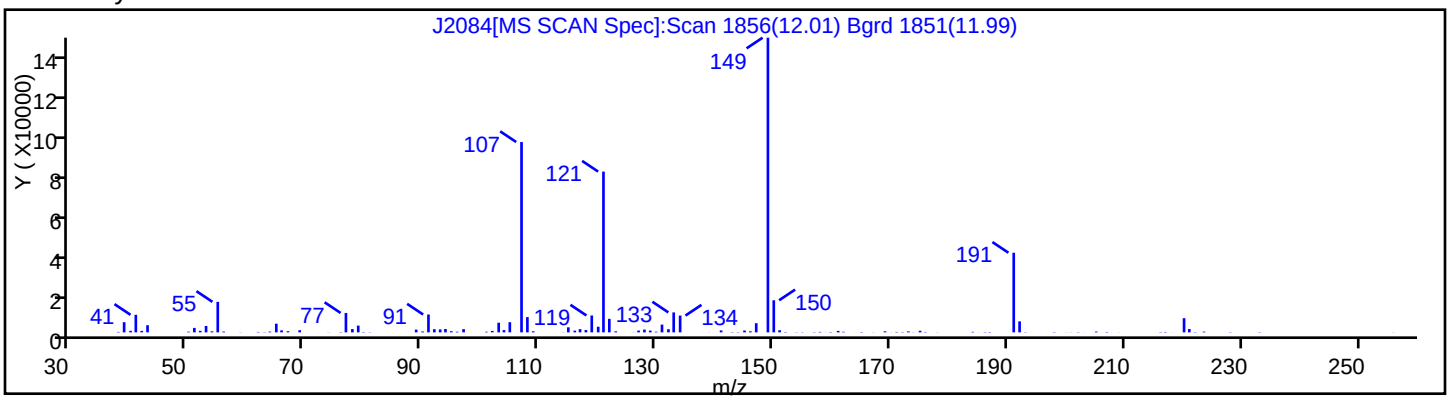


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

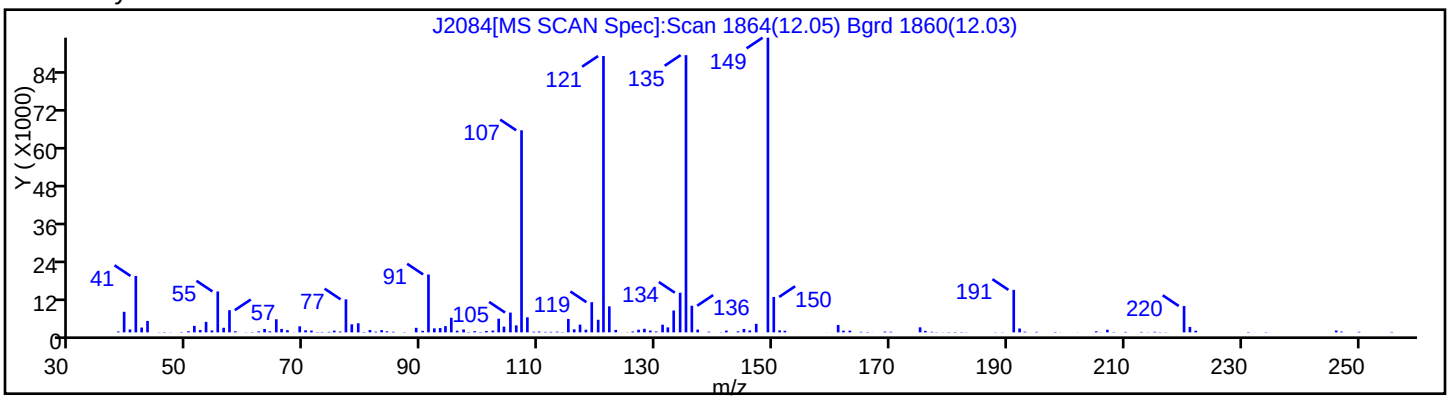


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

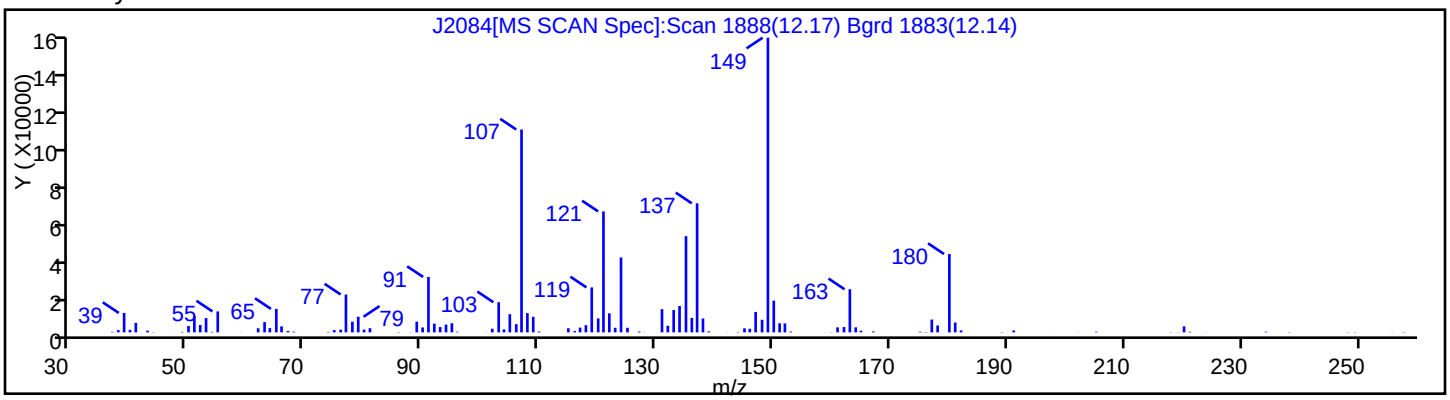


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

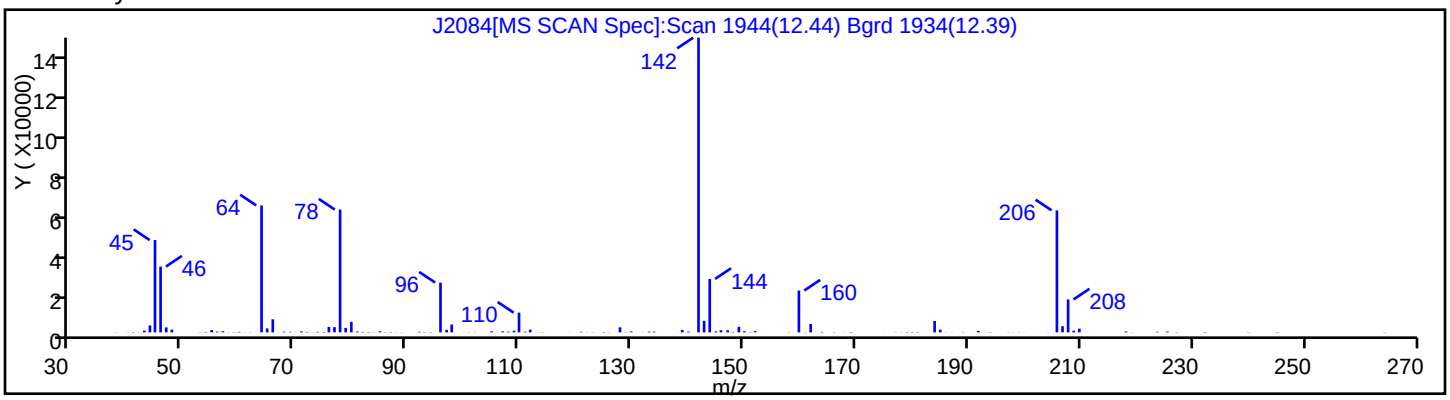


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

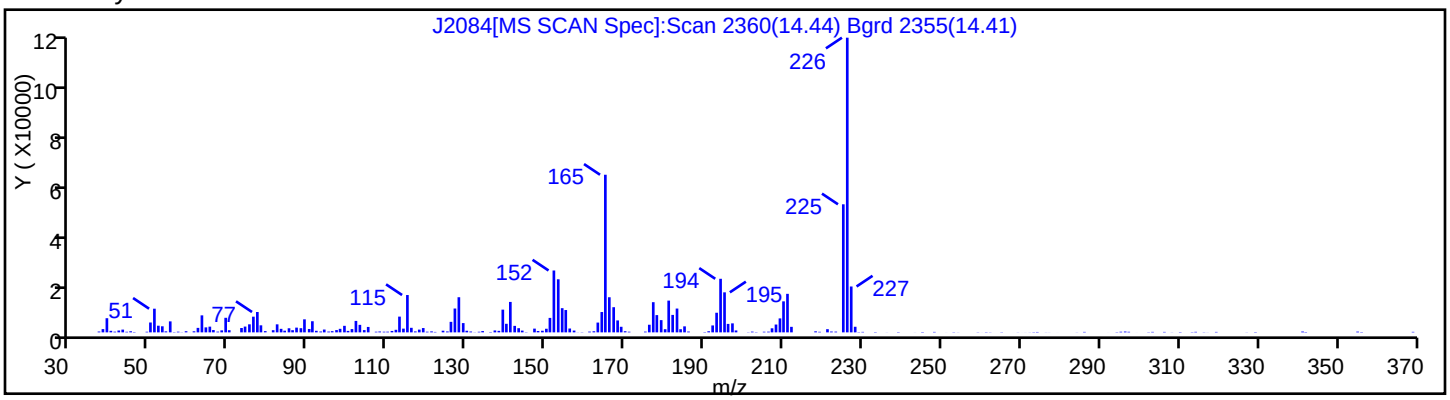


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

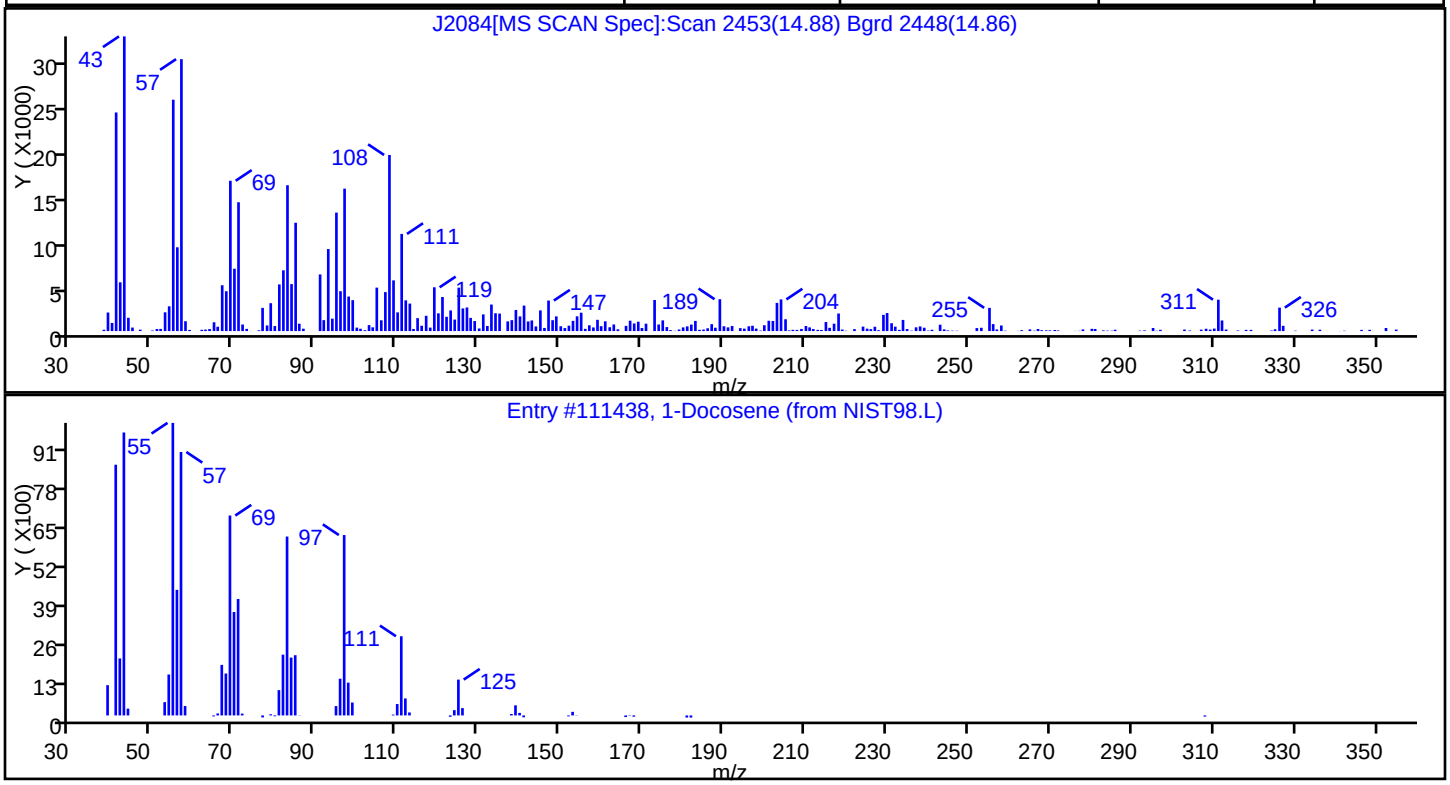
Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



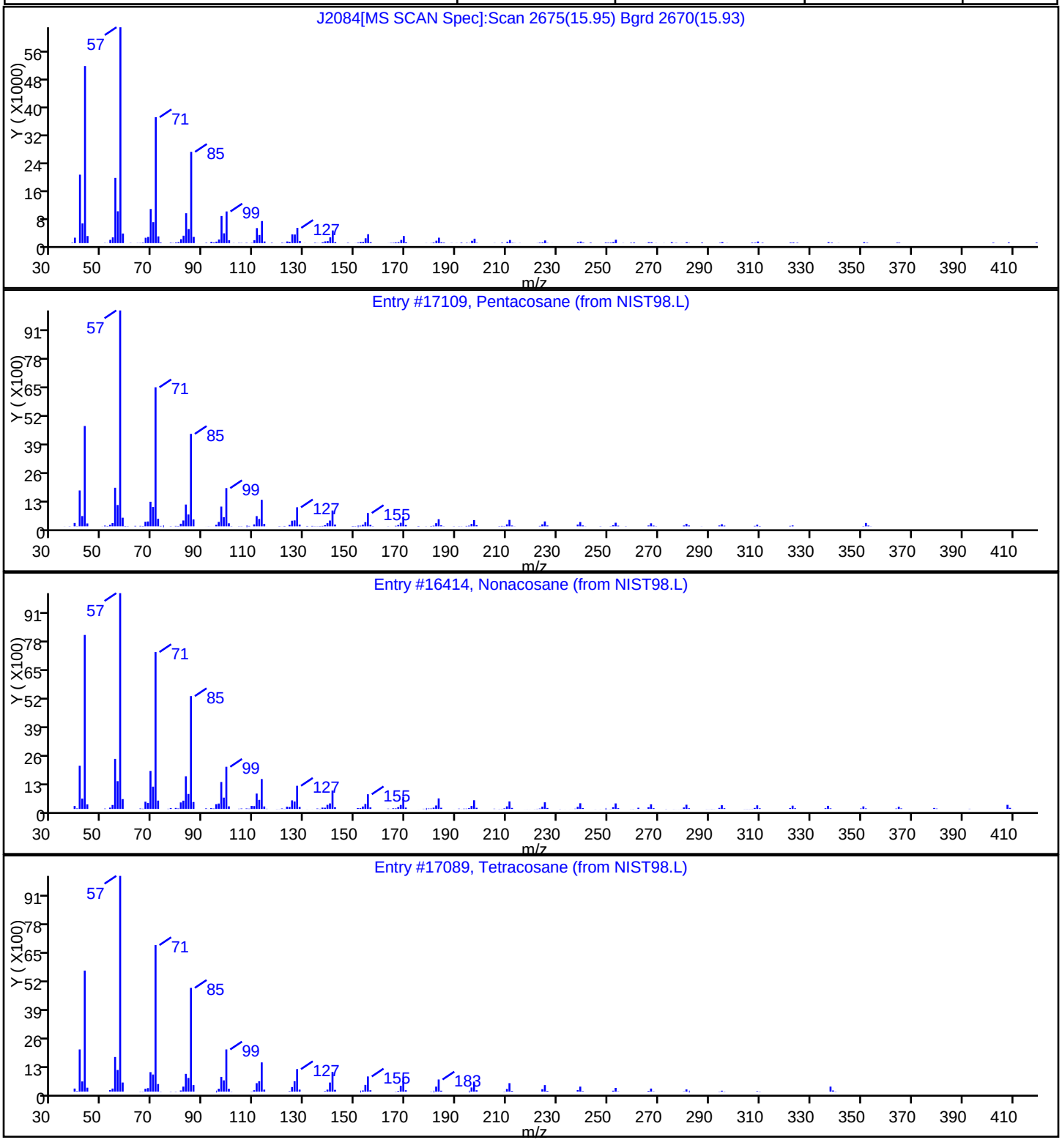
Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D
Injection Date: 21-Dec-2010 20:41:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	111438	89



Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D
Injection Date: 21-Dec-2010 20:41:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-DUP Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 16
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	98
Nonacosane	630-3-5	NIST98.L	16414	95
Tetracosane	646-31-1	NIST98.L	17089	93

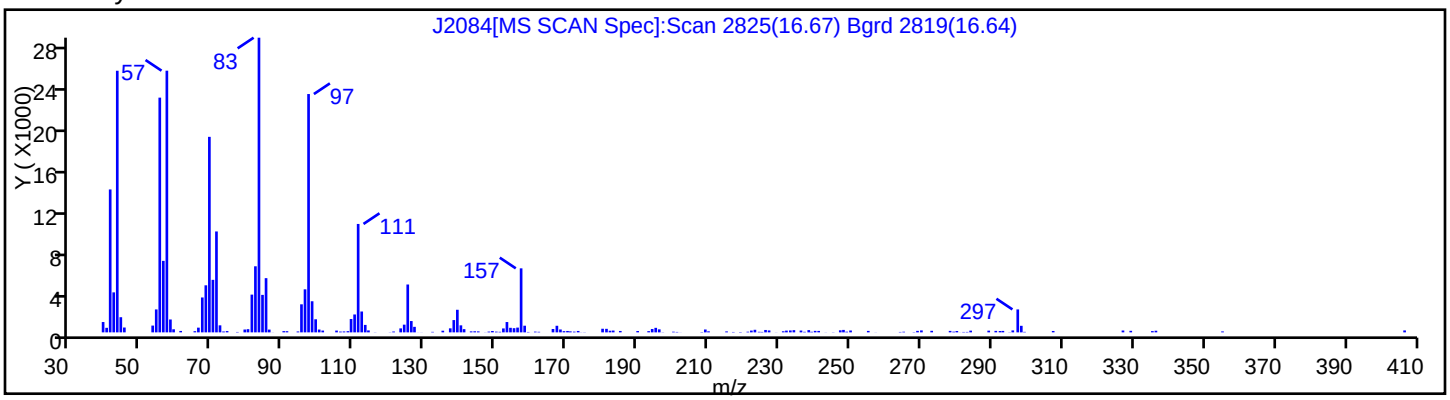


Report Date: 22-Dec-2010 14:48:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2084.D

Injection Date:	21-Dec-2010 20:41:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	16
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID:

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.44(g) | Date Analyzed: 01/06/2011 13:01

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

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

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68210 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-30-6	N-Nitrosodiphenylamine	290		58	17
122-39-4	Diphenylamine	ND		58	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP DL | Lab Sample ID: 360-31465-12 DL

Matrix: Solid | Lab File ID: J2113.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.44(g) | Date Analyzed: 12/23/2010 17:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	1800		290	86

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	92		30-130
321-60-8	2-Fluorobiphenyl	47		30-130
367-12-4	2-Fluorophenol	52		30-130
4165-60-0	Nitrobenzene-d5	44		30-130
4165-62-2	Phenol-d5	46		30-130
1718-51-0	Terphenyl-d14	38		30-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2113.D
Lims ID: 360-31465-A-12-E Client ID: OC-SD-SD-SD2-DUP
Inject. Date: 23-Dec-2010 17:11:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 360-31465-A-12-E 5X
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 11
Lims Batch ID: 67612 Lims Sample ID: 22
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m
Last Update: 03-Jan-2011 11:13:35 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 03-Jan-2011 11:26:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.796	7.796	0.0	93	78547	4.00	
* 2 Naphthalene-d8	136	9.124	9.118	0.006	99	305308	4.00	
* 3 Acenaphthene-d10	164	10.898	10.898	0.0	91	154107	4.00	
* 4 Phenanthrene-d10	188	12.394	12.388	0.006	95	219604	4.00	
* 5 Chrysene-d12	240	14.986	14.980	0.006	77	115139	4.00	
* 6 Perylene-d12	264	16.207	16.192	0.015	81	41280	4.00	
$ 7 2-Fluorophenol	112	6.330	6.310	0.020	86	16513	1.03	
$ 8 Phenol-d5	99	7.397	7.382	0.015	92	17795	0.9251	
$ 9 Nitrobenzene-d5	82	8.374	8.373	0.001	88	6791	0.4396	
$ 10 2-Fluorobiphenyl	172	10.196	10.196	0.0	100	18702	0.4720	
$ 11 2,4,6-Tribromophenol	330	11.692	11.686	0.006	83	3335	1.84	
$ 12 Terphenyl-d14	244	13.952	13.946	0.006	98	7831	0.3828	
16 Benzaldehyde	105	7.320	7.320	0.0	26	15188	1.24	
17 Phenol	94	7.412	7.397	0.015	98	43790	2.39	
21 1,3-Dichlorobenzene	146	7.739	7.738	0.001	97	1668	0.0731	
27 3 & 4 Methylphenol	107	8.205	8.195	0.010	94	103748	6.10	
38 1,2,4-Trichlorobenzene	180	9.061	9.056	0.005	28	303	0.0170	
40 Naphthalene	128	9.143	9.142	0.001	77	2299	0.0387	
45 2-Methylnaphthalene	142	9.840	9.840	0.0	92	797	0.0213	
51 1,1'-Biphenyl	154	10.302	10.301	0.001	54	1794	0.0408	
53 Phenyl ether	170	10.403	10.398	0.005	95	12337	0.5176	
58 Acenaphthylene	152	10.764	10.758	0.006	53	1012	0.0187	
62 Acenaphthene	153	10.932	10.926	0.006	48	1402	0.0524	
64 Dibenzofuran	168	11.105	11.100	0.005	62	942	0.0206	
70 Fluorene	166	11.446	11.446	0.0	95	1755	0.0470	
71 Diphenylamine	169	11.538	11.537	0.001	0	23737	0.9158	
75 N-Nitrosodiphenylamine	169	11.538	11.537	0.001	52	23737	1.07	
74 Benzophenone	105	11.595	11.595	0.0	86	3095	0.1095	
81 Phenanthrene	178	12.418	12.412	0.006	98	15495	0.3606	
82 Anthracene	178	12.471	12.465	0.006	88	3489	0.0842	
55 DFTPP	198	11.797	12.605	-0.808	0	176	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
83 Carbazole	167	12.620	12.610	0.010	97	1819	0.0540	
84 Di-n-butyl phthalate	149	12.908	12.903	0.005	100	7189	0.1318	
86 Fluoranthene	202	13.615	13.610	0.005	98	19836	0.5163	
88 Pyrene	202	13.846	13.841	0.005	98	17357	0.5098	
90 Butyl benzyl phthalate	149	14.385	14.379	0.006	89	1186	0.0677	
91 Bis(2-ethylhexyl) phthalate	149	14.889	14.884	0.005	92	34984	1.61	
93 Benzo[a]anthracene	228	14.976	14.976	0.005	41	5804	0.2507	A
94 Chrysene	228	15.014	15.004	0.010	75	6023	0.2819	
97 Benzo[b]fluoranthene	252	15.861	15.861	0.010	93	3490	0.3007	M
98 Benzo[k]fluoranthene	252	15.875	15.875	0.0	95	1693	0.1610	M
99 Benzo[a]pyrene	252	16.106	16.144	-0.038	75	1615	0.1947	

QC Flag Legend

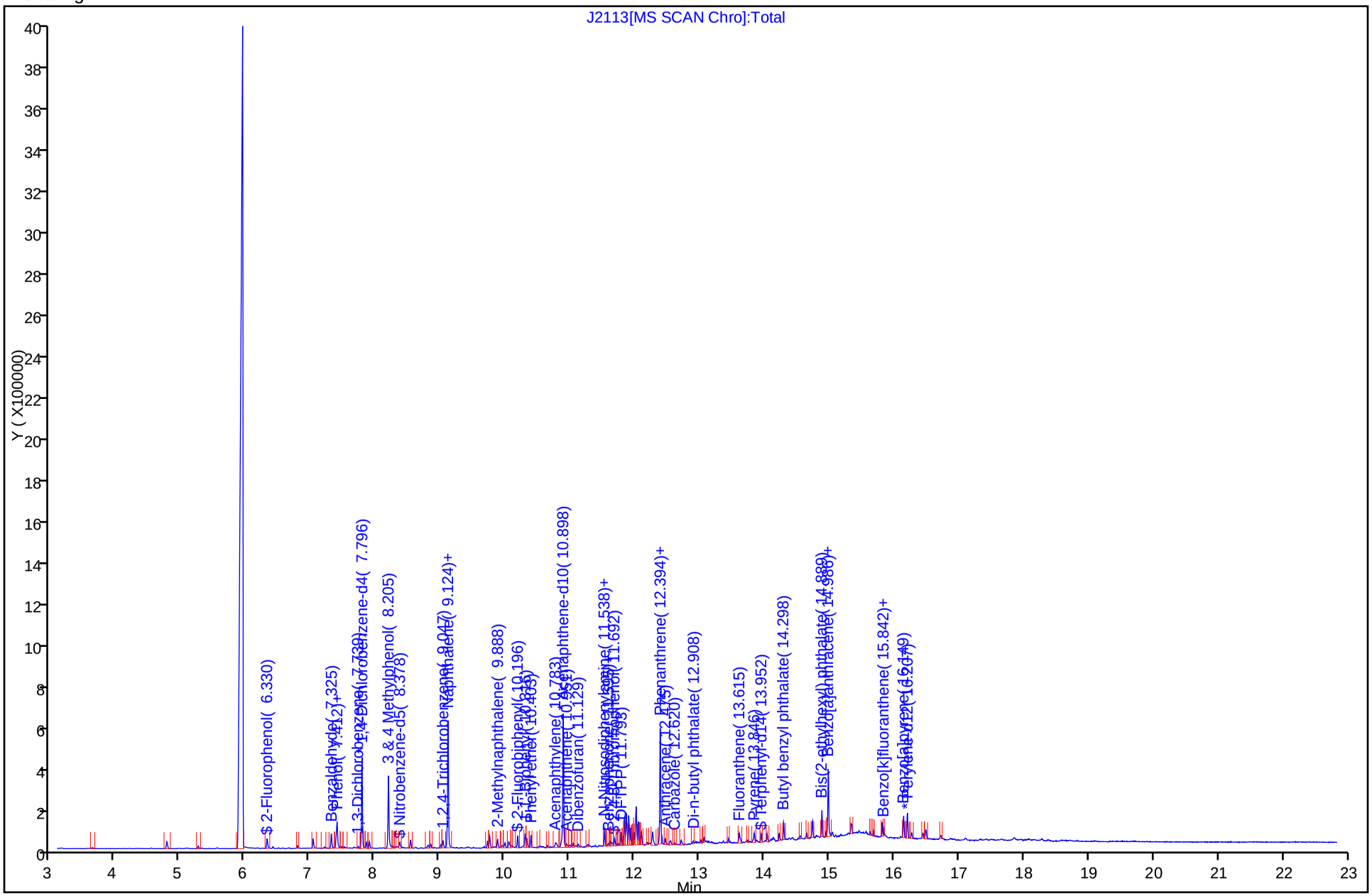
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 03-Jan-2011 11:26:26 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2113.D

Injection Date:	23-Dec-2010 17:11:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

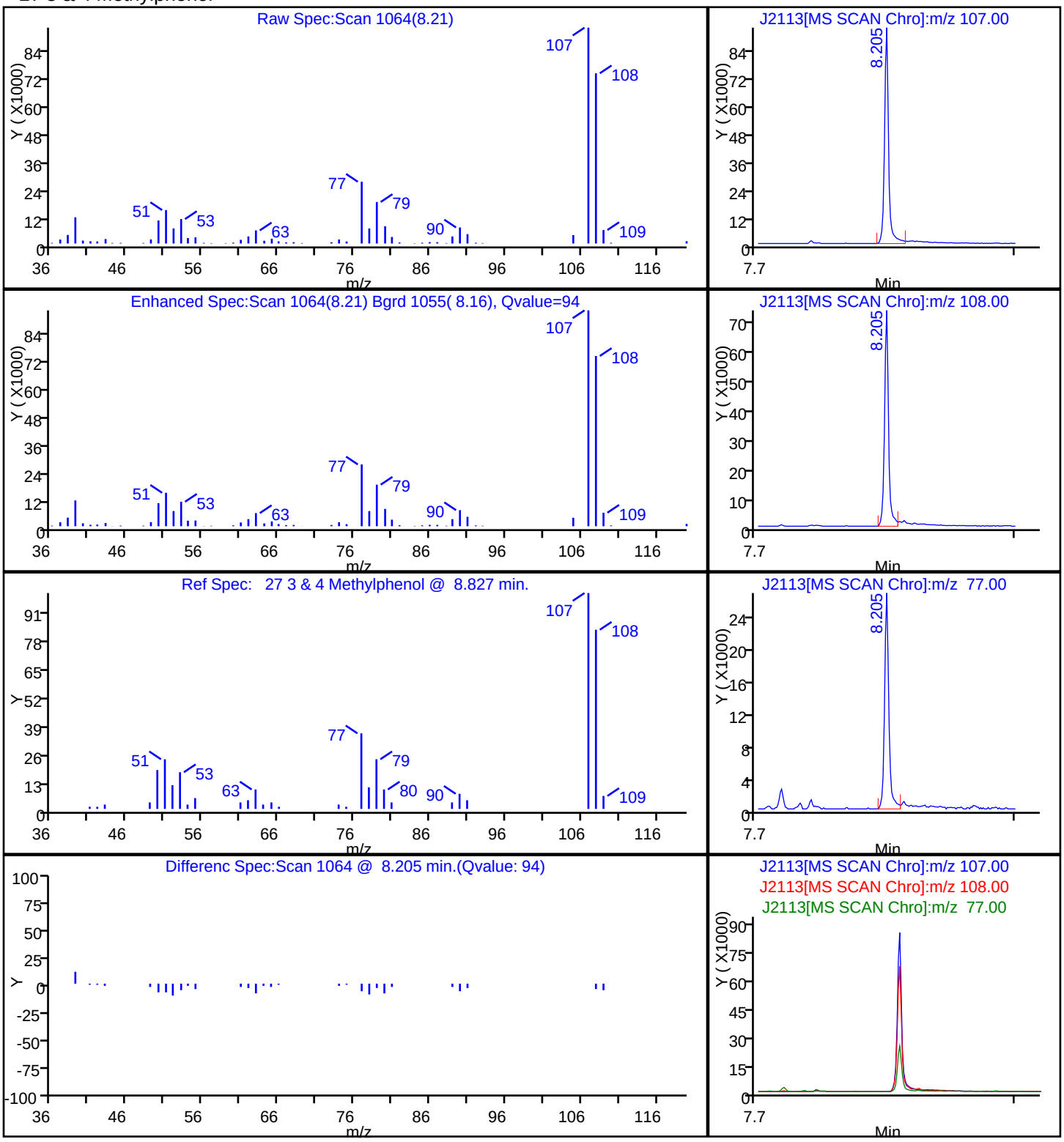


Report Date: 03-Jan-2011 11:26:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2113.D

Injection Date:	23-Dec-2010 17:11:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	22
Operator ID:	CT	Injection Vol:	2.00 ul

27 3 & 4 Methylphenol



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: J2085.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.33(g) | Date Analyzed: 12/21/2010 21:13

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	16	J	55	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		55	16
120-82-1	1,2,4-Trichlorobenzene	ND		55	16
95-50-1	1,2-Dichlorobenzene	ND		55	16
541-73-1	1,3-Dichlorobenzene	39	J	55	16
106-46-7	1,4-Dichlorobenzene	ND		55	16
90-12-0	1-Methylnaphthalene	ND		55	16
62-75-9	N-Nitrosodimethylamine	ND		55	19
108-60-1	2,2'-oxybis[1-chloropropane]	ND		55	16
58-90-2	2,3,4,6-Tetrachlorophenol	ND		55	16
95-95-4	2,4,5-Trichlorophenol	ND		55	16
88-06-2	2,4,6-Trichlorophenol	ND		55	16
120-83-2	2,4-Dichlorophenol	ND		55	16
105-67-9	2,4-Dimethylphenol	ND		55	22
51-28-5	2,4-Dinitrophenol	ND		55	16
121-14-2	2,4-Dinitrotoluene	ND		55	16
606-20-2	2,6-Dinitrotoluene	ND		55	16
91-58-7	2-Chloronaphthalene	ND		55	16
95-57-8	2-Chlorophenol	ND		55	16
91-57-6	2-Methylnaphthalene	ND		55	16
95-48-7	2-Methylphenol	ND		55	33
88-74-4	2-Nitroaniline	ND		270	16
88-75-5	2-Nitrophenol	ND		55	16
91-94-1	3,3'-Dichlorobenzidine	ND		110	16
99-09-2	3-Nitroaniline	ND		270	16
534-52-1	4,6-Dinitro-2-methylphenol	ND		270	16
101-55-3	4-Bromophenyl phenyl ether	ND		55	16
59-50-7	4-Chloro-3-methylphenol	ND		110	16
106-47-8	4-Chloroaniline	ND		110	16
7005-72-3	4-Chlorophenyl phenyl ether	ND		55	16
100-01-6	4-Nitroaniline	ND		270	16
100-02-7	4-Nitrophenol	ND		270	16
83-32-9	Acenaphthene	ND		55	16
208-96-8	Acenaphthylene	ND		55	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: J2085.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.33(g) | Date Analyzed: 12/21/2010 21:13

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	90		55	16
62-53-3	Aniline	ND		55	16
120-12-7	Anthracene	18	J	55	16
1912-24-9	Atrazine	ND		55	16
103-33-3	Azobenzene	ND		55	16
100-52-7	Benzaldehyde	480		55	16
56-55-3	Benzo[a]anthracene	60		55	16
50-32-8	Benzo[a]pyrene	46	J	55	16
205-99-2	Benzo[b]fluoranthene	75		55	16
191-24-2	Benzo[g,h,i]perylene	54	J	55	16
207-08-9	Benzo[k]fluoranthene	83		55	16
65-85-0	Benzoic acid	47	J	270	25
119-61-9	Benzophenone	30	J	55	16
100-51-6	Benzyl alcohol	71	J	110	47
111-91-1	Bis(2-chloroethoxy)methane	ND		55	16
111-44-4	Bis(2-chloroethyl)ether	ND		55	16
117-81-7	Bis(2-ethylhexyl) phthalate	490		55	16
85-68-7	Butyl benzyl phthalate	ND		55	16
105-60-2	Caprolactam	53	J	55	16
86-74-8	Carbazole	ND		55	16
218-01-9	Chrysene	60		55	16
53-70-3	Dibenz(a,h)anthracene	31	J	55	16
132-64-9	Dibenzofuran	ND		55	16
84-66-2	Diethyl phthalate	ND		55	16
131-11-3	Dimethyl phthalate	ND		55	16
84-74-2	Di-n-butyl phthalate	ND		55	48
117-84-0	Di-n-octyl phthalate	ND		55	28
206-44-0	Fluoranthene	110		55	16
86-73-7	Fluorene	ND		55	16
118-74-1	Hexachlorobenzene	ND		55	16
87-68-3	Hexachlorobutadiene	ND		55	16
77-47-4	Hexachlorocyclopentadiene	ND		110	16
67-72-1	Hexachloroethane	ND		55	16
193-39-5	Indeno[1,2,3-cd]pyrene	59		55	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: J2085.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.33(g) | Date Analyzed: 12/21/2010 21:13

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		55	16
91-20-3	Naphthalene	ND		130	16
98-95-3	Nitrobenzene	ND		55	16
621-64-7	N-Nitrosodi-n-propylamine	ND		55	16
87-86-5	Pentachlorophenol	ND		55	16
85-01-8	Phenanthrene	71		66	16
108-95-2	Phenol	1100		55	16
101-84-8	Diphenyl oxide	190		55	16
129-00-0	Pyrene	110		55	16
62-75-9	N-Nitrosodimethylamine	ND		55	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	59		30-130
4165-62-2	Phenol-d5	57		30-130
4165-60-0	Nitrobenzene-d5	43		30-130
118-79-6	2,4,6-Tribromophenol	62		30-130
1718-51-0	Terphenyl-d14	45		30-130
321-60-8	2-Fluorobiphenyl	50		30-130
118-79-6	2,4,6-Tribromophenol	62		30-130
321-60-8	2-Fluorobiphenyl	50		30-130
367-12-4	2-Fluorophenol	59		30-130
4165-60-0	Nitrobenzene-d5	43		30-130
4165-62-2	Phenol-d5	57		30-130
1718-51-0	Terphenyl-d14	45		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: J2085.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.33(g) | Date Analyzed: 12/21/2010 21:13

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 34000

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.22	22000	T J
	Unknown	11.98	800	T J
	Unknown	12.02	760	T J
630-1-3	Hexacosane	15.95	1100	T J N
7616-22-0	.gamma.-Tocopherol	16.58	450	T J N
297-3-0	Cyclotetracosane	16.68	450	T J N
	Unknown	18.39	840	T J
	Unknown	18.71	1400	T J
	Unknown	19.95	2800	T J
	Unknown	20.24	3400	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D
Lims ID: 360-31465-A-13-M
Client ID: OC-SD-SD-SD2-XXX
Inject. Date: 21-Dec-2010 21:13:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-31465-A-13-M
Misc. Info.:
Operator: CT
Instrument ID: Inst. J
Vol. Injected: 2.0000
ALS Bottle#: 15
Lims Batch ID: 67510
Lims Sample ID: 17
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15
Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 22-Dec-2010 14:49:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.928	7.932	-0.004	94	86045	4.00	
* 2 Naphthalene-d8	136	9.255	9.259	-0.004	99	381679	4.00	
* 3 Acenaphthene-d10	164	11.039	11.043	-0.004	92	179681	4.00	
* 4 Phenanthrene-d10	188	12.544	12.539	0.005	95	297844	4.00	
* 5 Chrysene-d12	240	15.146	15.140	0.006	78	141280	4.00	
* 6 Perylene-d12	264	16.372	16.362	0.010	96	49020	4.00	
$ 7 2-Fluorophenol	112	6.500	6.456	0.044	87	109086	5.86	
$ 8 Phenol-d5	99	7.519	7.514	0.005	84	121157	5.75	
$ 9 Nitrobenzene-d5	82	8.505	8.509	-0.004	87	41050	2.13	
$ 10 2-Fluorobiphenyl	172	10.332	10.336	-0.004	99	116240	2.52	
$ 11 2,4,6-Tribromophenol	330	11.838	11.832	0.006	90	22663	6.21	
$ 12 Terphenyl-d14	244	14.098	14.092	0.006	97	56296	2.24	
16 Benzaldehyde	105	7.457	7.461	-0.004	38	118923	8.84	
17 Phenol	94	7.539	7.528	0.011	99	390191	19.4	
18 Aniline	93	7.625	7.576	0.049	17	4991	0.2099	
19 Bis(2-chloroethyl)ether	93	7.654	7.634	0.020	25	751	0.0460	
20 2-Chlorophenol	128	7.707	7.711	-0.004	46	722	0.0324	
21 1,3-Dichlorobenzene	146	7.870	7.874	-0.004	98	17853	0.7141	
22 1,4-Dichlorobenzene	146	7.947	7.951	-0.004	93	6347	0.2470	
23 Benzyl alcohol	79	8.043	8.062	-0.019	47	16082	1.30	
24 1,2-Dichlorobenzene	146	8.116	8.115	0.001	4	839	0.0352	
25 2-Methylphenol	108	8.168	8.168	0.0	72	1379	0.0858	
26 2,2'-oxybis[1-chloropropane]	45	8.260	8.201	0.059	53	1417	0.0620	
27 3 & 4 Methylphenol	107	8.332	8.326	0.006	95	797477	42.8	5
29 Acetophenone	105	8.342	8.345	-0.003	42	41193	1.65	
31 Nitrobenzene	77	8.548	8.533	0.015	25	750	0.1145	
32 Isophorone	82	8.765	8.764	0.001	55	2103	0.2046	
35 2-Nitrophenol	139	8.904	8.860	0.044	1	135	0.0108	
33 2,4-Dimethylphenol	107	8.875	8.874	0.001	15	313	0.0156	
34 Benzoic acid	105	8.923	8.927	-0.004	26	278	0.8504	
36 Bis(2-chloroethoxy)methane	93	8.986	8.971	0.015	33	2504	0.1728	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
37 2,4-Dichlorophenol	162	9.101	9.100	0.001	10	452	0.1640	
38 1,2,4-Trichlorobenzene	180	9.193	9.197	-0.004	91	3835	0.1717	
40 Naphthalene	128	9.279	9.283	-0.004	97	16270	0.2193	
41 4-Chloroaniline	127	9.318	9.317	0.001	35	562	0.0195	
39 Alpha-Terpineol	59	9.577	9.570	0.007	2	310	0	
43 Caprolactam	55	9.563	9.653	-0.090	51	4998	0.9739	
44 4-Chloro-3-methylphenol	107	9.727	9.783	-0.056	13	502	0.0286	
45 2-Methylnaphthalene	142	9.977	9.980	-0.003	97	4858	0.1041	
46 1-Methylnaphthalene	142	10.082	10.081	0.001	67	4550	0.0976	
51 1,1'-Biphenyl	154	10.438	10.442	-0.004	48	15018	0.2928	
53 Phenyl ether	170	10.539	10.538	0.001	93	104016	3.49	
54 2-Nitroaniline	138	10.568	10.562	0.006	1	3263	0.2586	
56 Dimethyl phthalate	163	10.669	10.721	-0.052	1	444	0.0100	
57 2,6-Dinitrotoluene	165	10.833	10.793	0.040	1	251	0.0244	
58 Acenaphthylene	152	10.905	10.904	0.001	60	4035	0.0638	
59 3-Nitroaniline	138	10.977	10.971	0.006	1	130	0.0127	
62 Acenaphthene	153	11.073	11.077	-0.004	79	10048	0.2610	
63 2,4-Dinitrotoluene	165	11.217	11.202	0.015	1	172	0.0133	
64 Dibenzofuran	168	11.246	11.245	0.001	67	5347	0.1005	
66 Diethyl phthalate	149	11.419	11.418	0.001	7	737	0.0156	
67 4-Chlorophenyl phenyl ether	204	11.568	11.563	0.005	22	517	0.0257	
68 4-Nitroaniline	138	11.588	11.587	0.001	12	136	0.0146	
70 Fluorene	166	11.592	11.591	0.001	93	8229	0.1890	
75 N-Nitrosodiphenylamine	169	11.679	11.678	0.001	51	157026	5.23	
71 Diphenylamine	169	11.679	11.678	0.001	0	157026	4.47	
73 1,2-Diphenylhydrazine	77	11.737	11.726	0.011	36	12729	0.2656	
72 Azobenzene	77	11.737	11.726	0.011	44	12729	0.2656	
74 Benzophenone	105	11.741	11.736	0.005	30	20820	0.5433	
76 4-Bromophenyl phenyl ether	248	12.059	12.058	0.001	26	584	0.0602	
77 Atrazine	200	12.184	12.183	0.001	1	70	0.006626	7
81 Phenanthrene	178	12.569	12.563	0.006	97	75511	1.30	
82 Anthracene	178	12.621	12.616	0.005	86	18120	0.3224	
83 Carbazole	167	12.761	12.760	0.001	96	7495	0.1640	
84 Di-n-butyl phthalate	149	13.049	13.044	0.005	84	9821	0.1327	
86 Fluoranthene	202	13.766	13.760	0.006	96	106977	2.05	
87 Benzidine	184	13.886	13.852	0.034	1	234	0.0158	
88 Pyrene	202	13.992	13.991	0.001	98	86164	2.06	
85 4,4'-DDD	235	14.329	14.352	-0.023	1	171	0	
90 Butyl benzyl phthalate	149	14.526	14.520	0.006	91	4458	0.2074	
89 4,4'-DDT	235	14.656	14.644	0.012	11	59	0	
91 Bis(2-ethylhexyl) phthalate	149	15.035	15.030	0.005	92	241402	9.04	
92 3,3'-Dichlorobenzidine	252	15.007	15.068	-0.061	1	87	0.0126	
93 Benzo[a]anthracene	228	15.132	15.126	0.006	99	30968	1.09	
94 Chrysene	228	15.170	15.164	0.006	96	28688	1.09	
95 Di-n-octyl phthalate	149	15.569	15.563	0.006	56	2820	0.1905	
97 Benzo[b]fluoranthene	252	16.002	15.996	0.006	93	19011	1.38	
98 Benzo[k]fluoranthene	252	16.002	16.020	-0.018	96	19011	1.52	
99 Benzo[a]pyrene	252	16.267	16.309	-0.043	76	8251	0.8378	
102 Indeno[1,2,3-cd]pyrene	276	17.680	17.665	0.015	93	6005	1.09	
100 Dibenz(a,h)anthracene	278	17.680	17.670	0.010	36	1738	0.5574	
101 Benzo[g,h,i]perylene	276	18.089	18.074	0.015	94	5218	0.9882	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D		
Lims ID:	360-31465-A-13-M	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	21-Dec-2010 21:13:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-13-M		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	15
Lims Batch ID:	67510	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m		
Last Update:	22-Dec-2010 14:46:15	Calib Date:	21-Dec-2010 18:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	22-Dec-2010 14:49:07

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
6.221	57087907	405.1	1			
		Unknown				
11.982	2923088	14.6	4			
		Unknown				
12.016	2770320	13.8	4			
630-1-3		Hexacosane				
15.954	792084	20.6	6	98	112589	
7616-22-0		.gamma.-Tocopherol				
16.579	315576	8.19	6	96	123668	
297-3-0		Cyclotetracosane				
16.680	315543	8.19	6	97	33283	
		Unknown				
18.392	590625	15.3	6			
		Unknown				
18.714	954129	24.8	6			
		Unknown				
19.945	1950848	50.6	6			
		Unknown				
20.243	2401920	62.3	6			

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.928	563632	4.00
* 4 Phenanthrene-d10	12.544	801239	4.00
* 6 Perylene-d12	16.372	154108	4.00

QC Flag Legend

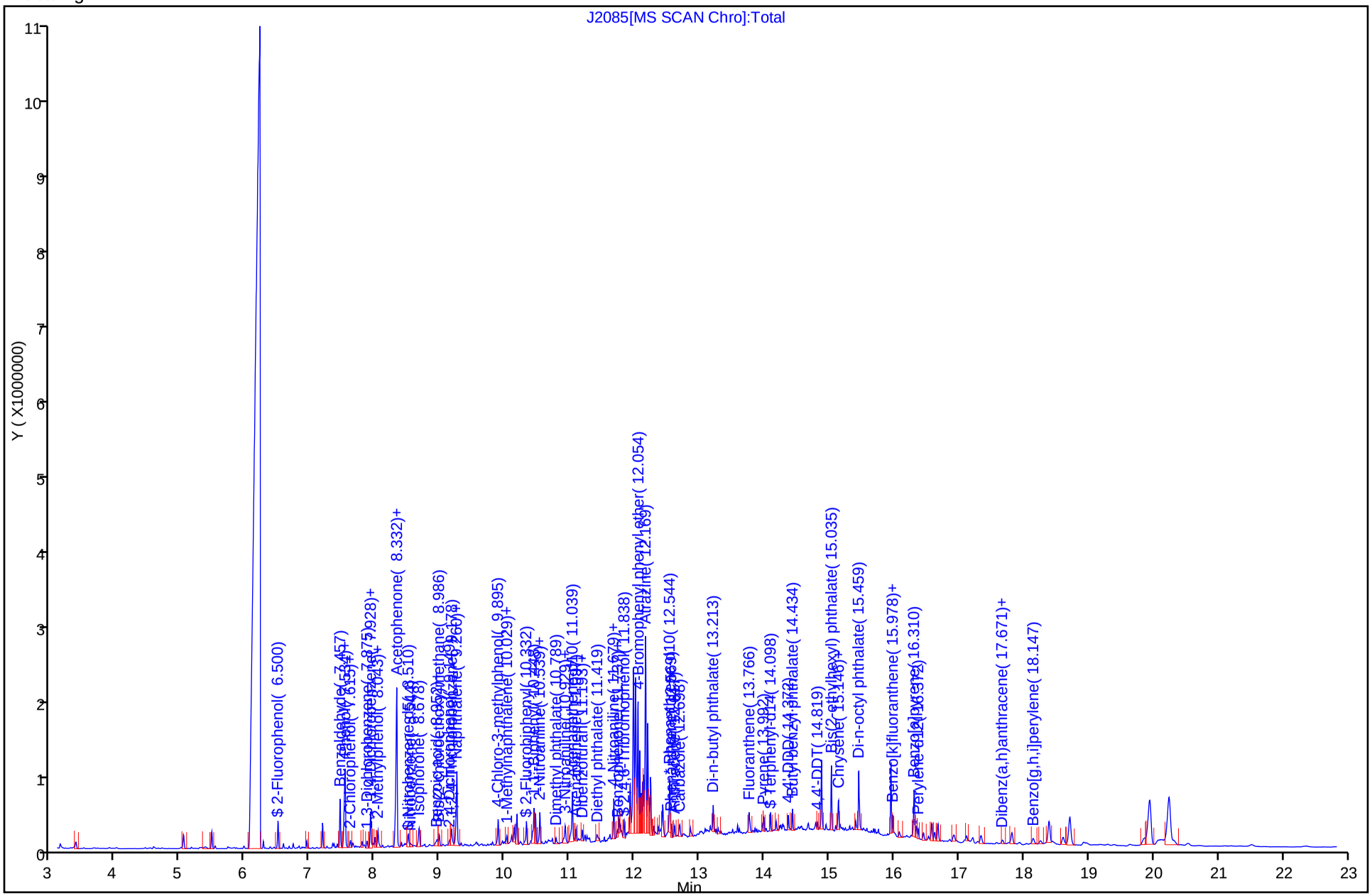
Processing Flags

Report Date: 22-Dec-2010 14:49:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

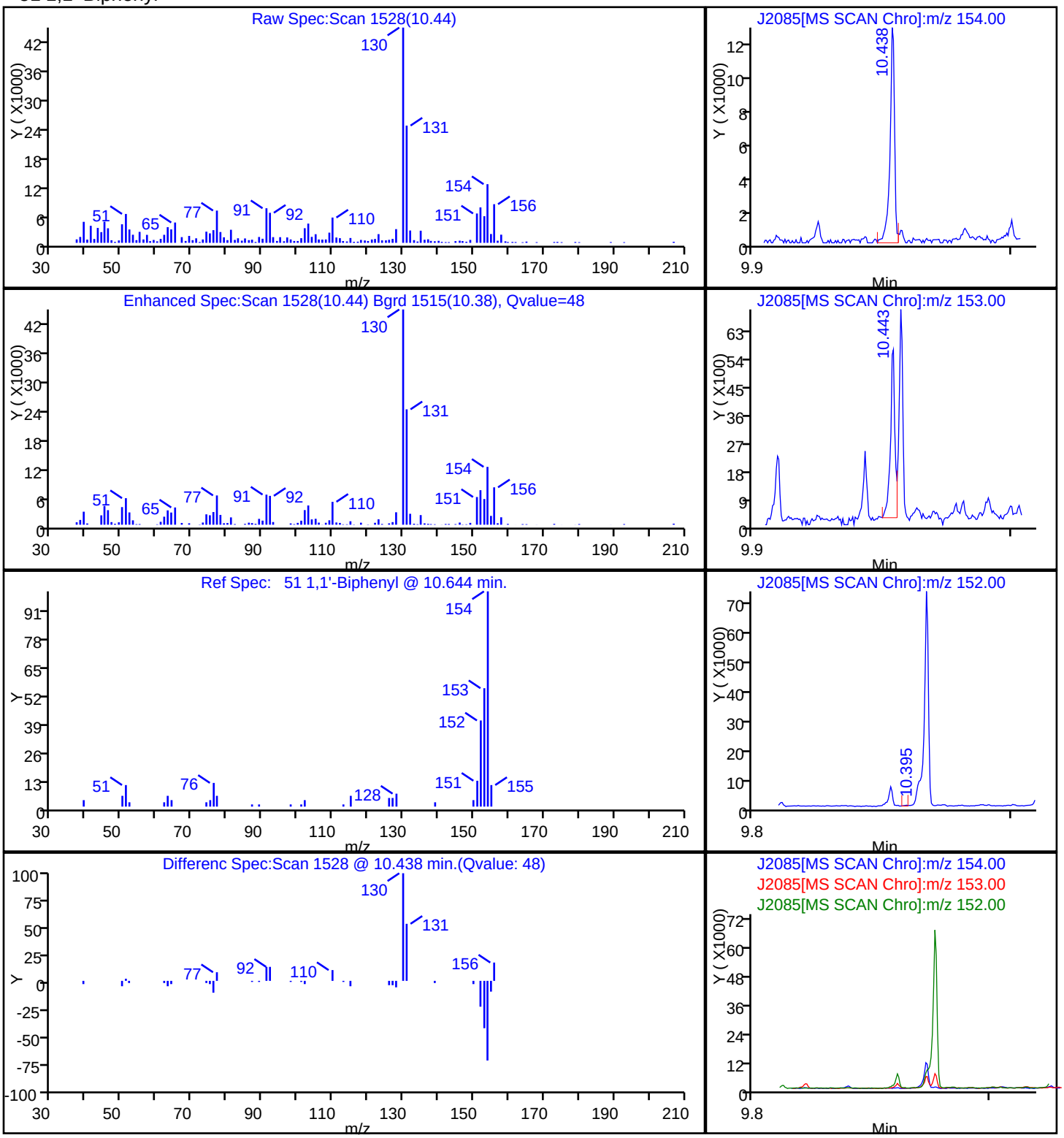


Report Date: 22-Dec-2010 14:49:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

51 1,1'-Biphenyl

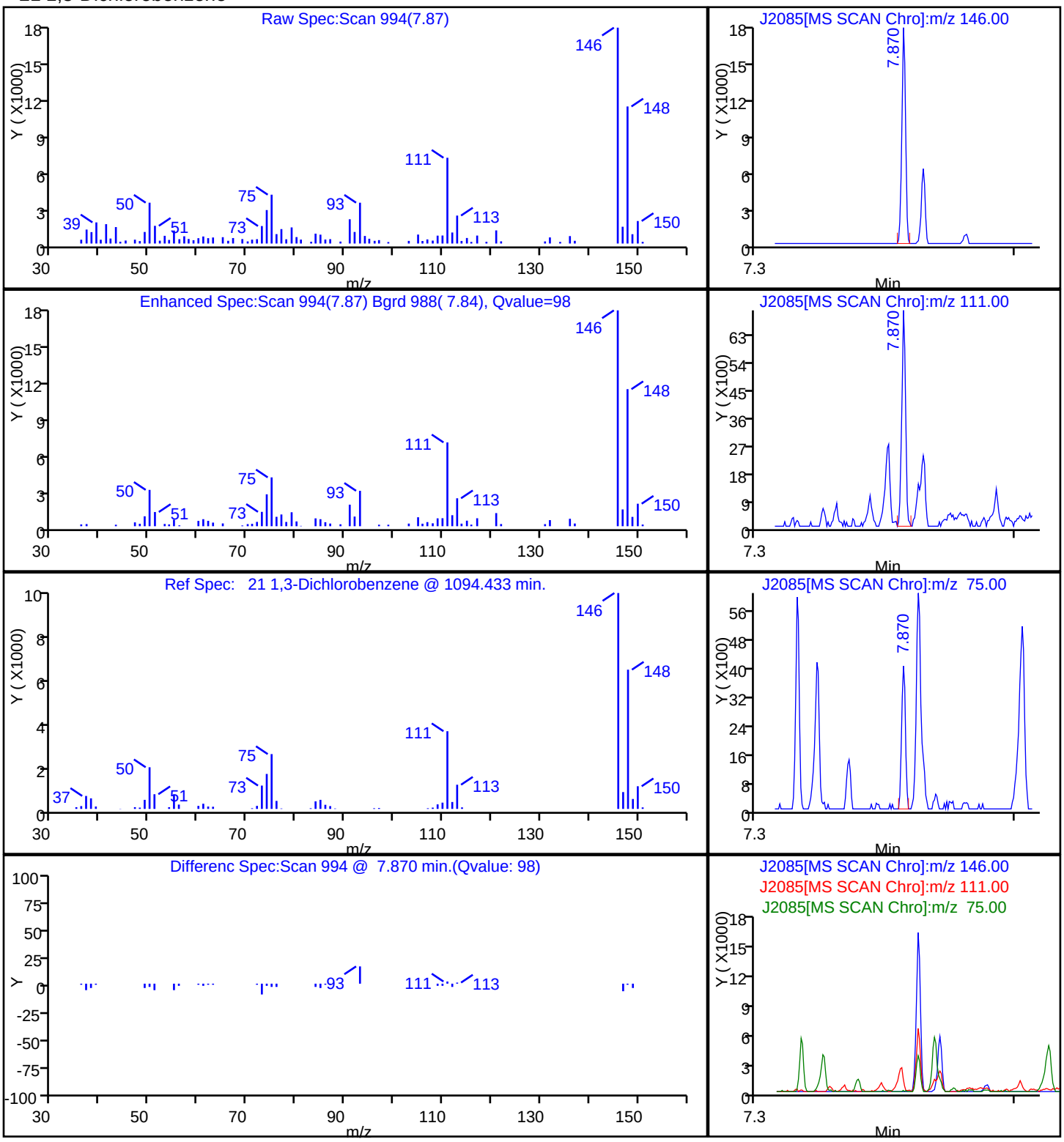


Report Date: 22-Dec-2010 14:49:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

21 1,3-Dichlorobenzene

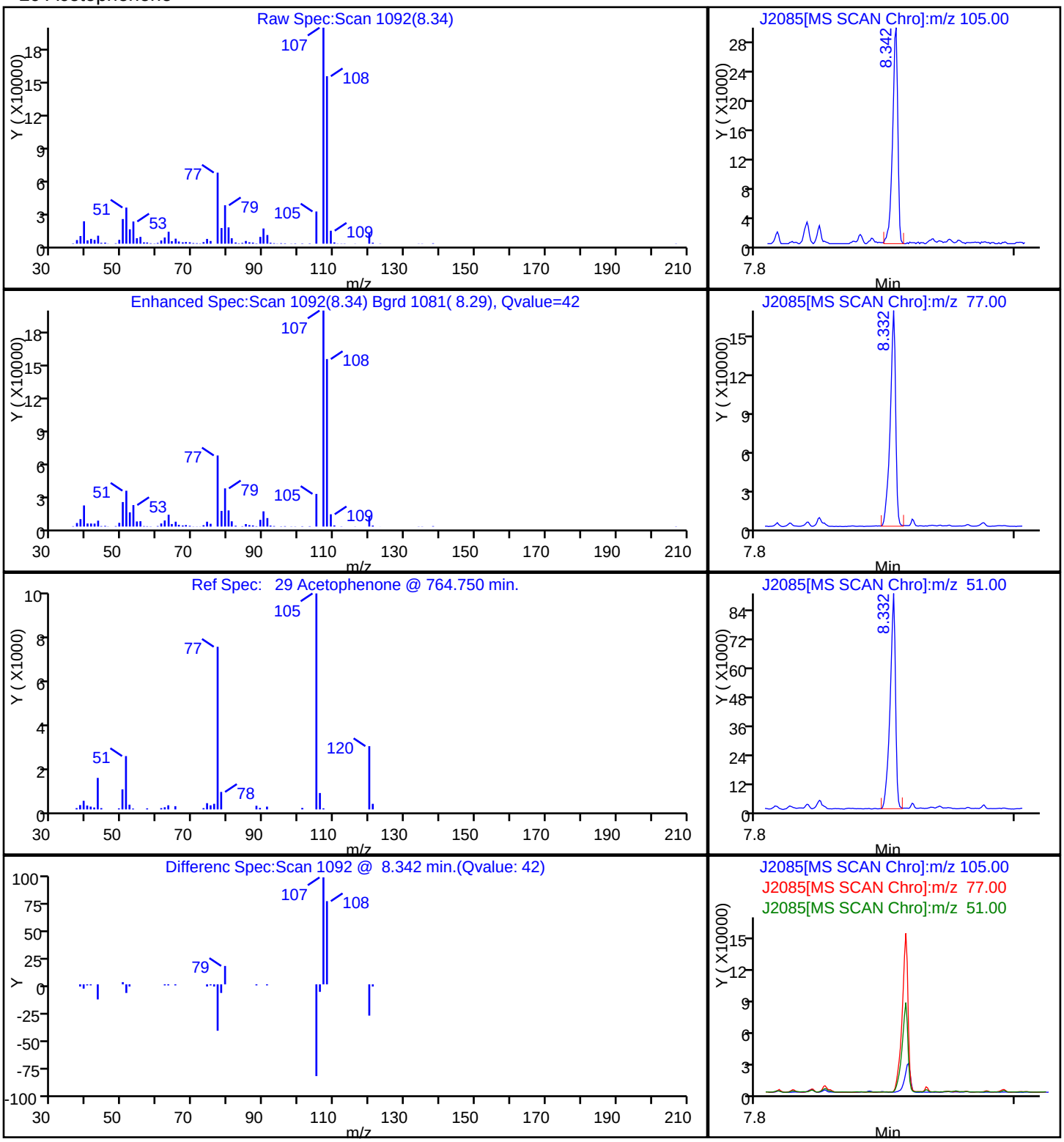


Report Date: 22-Dec-2010 14:49:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

29 Acetophenone

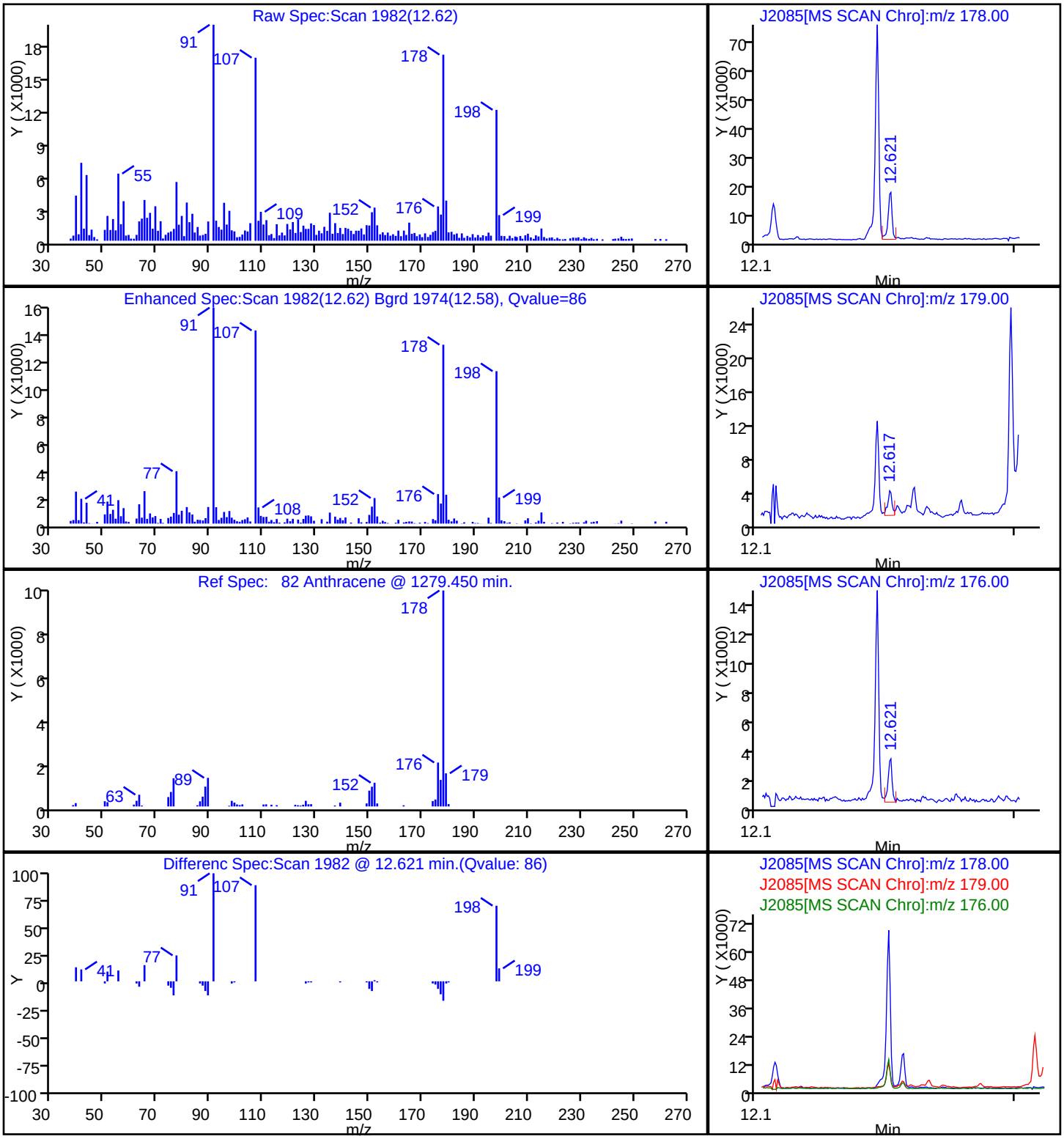


Report Date: 22-Dec-2010 14:49:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

82 Anthracene

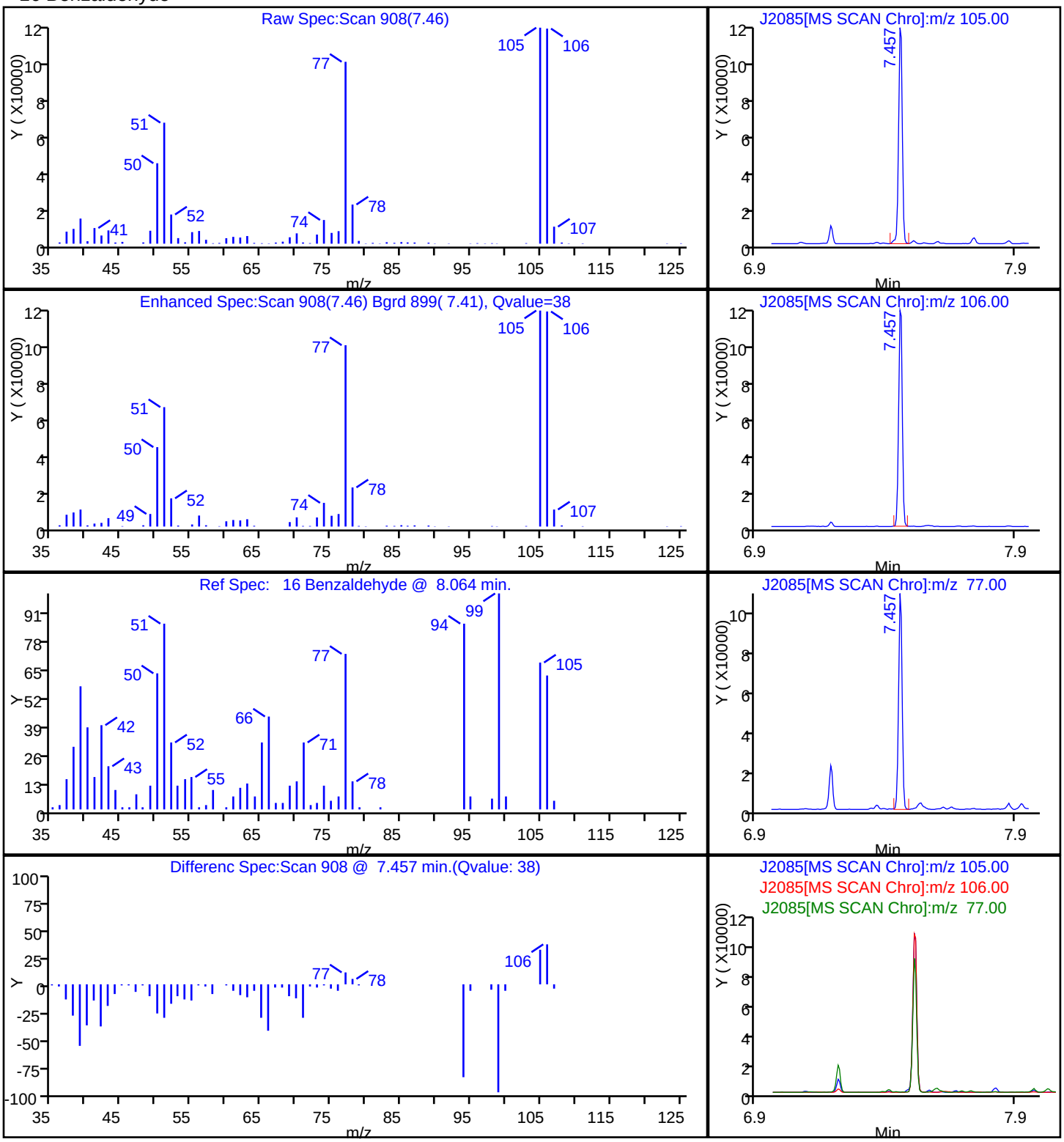


Report Date: 22-Dec-2010 14:49:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

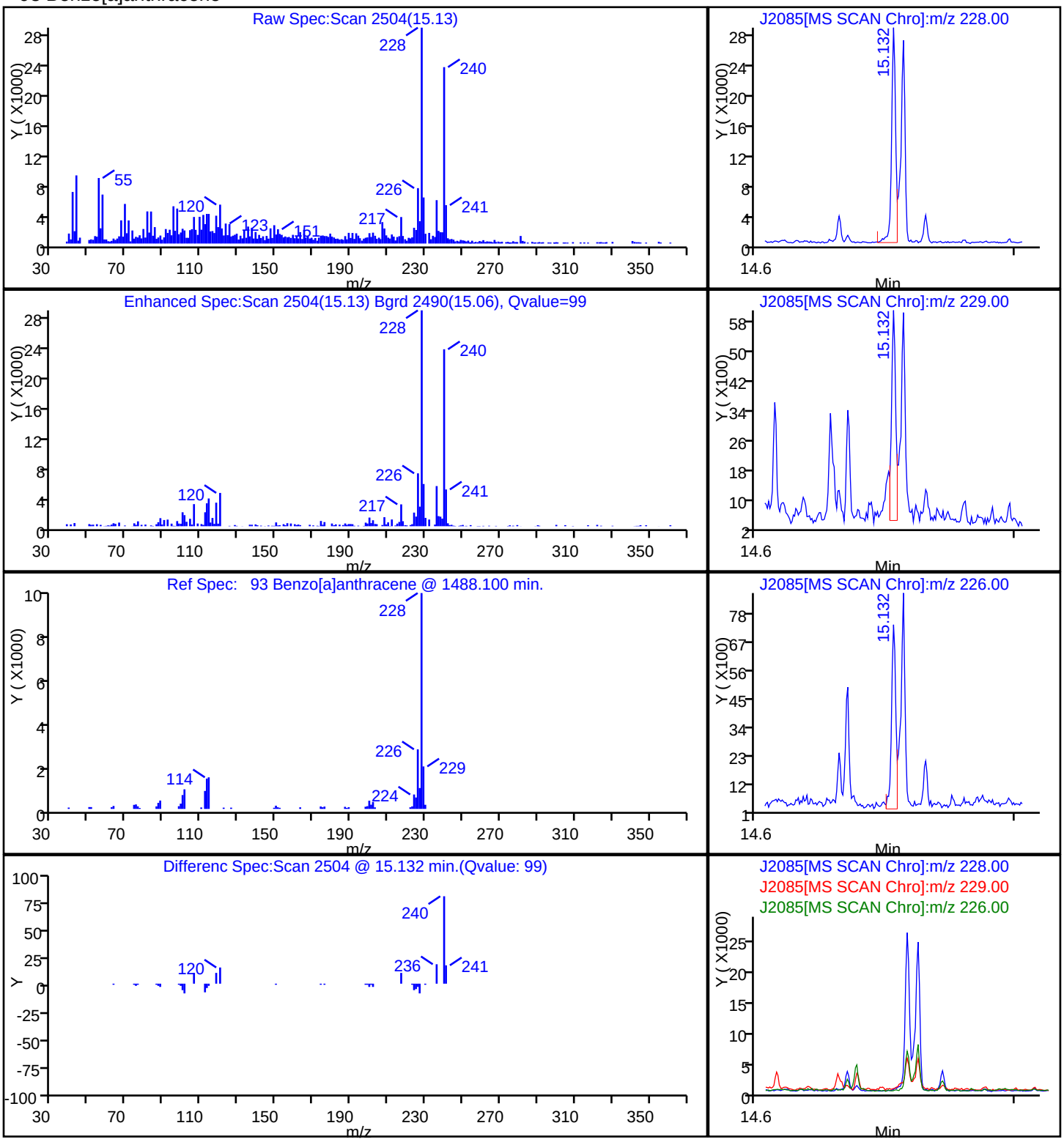
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

16 Benzaldehyde



Report Date: 22-Dec-2010 14:49:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D
Injection Date: 21-Dec-2010 21:13:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 17
Operator ID: CT Injection Vol: 2.00 ul
93 Benzo[a]anthracene

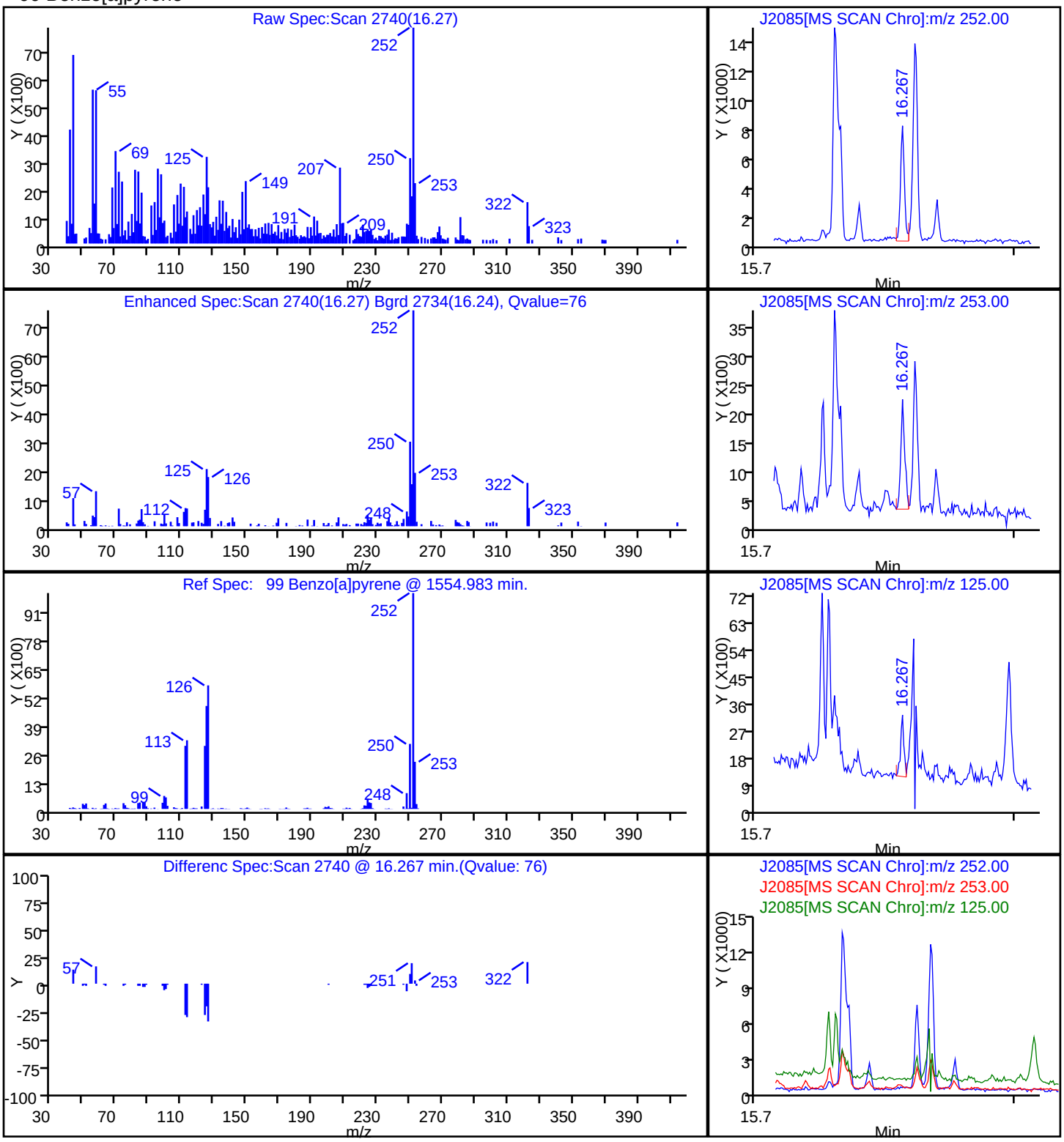


Report Date: 22-Dec-2010 14:49:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene

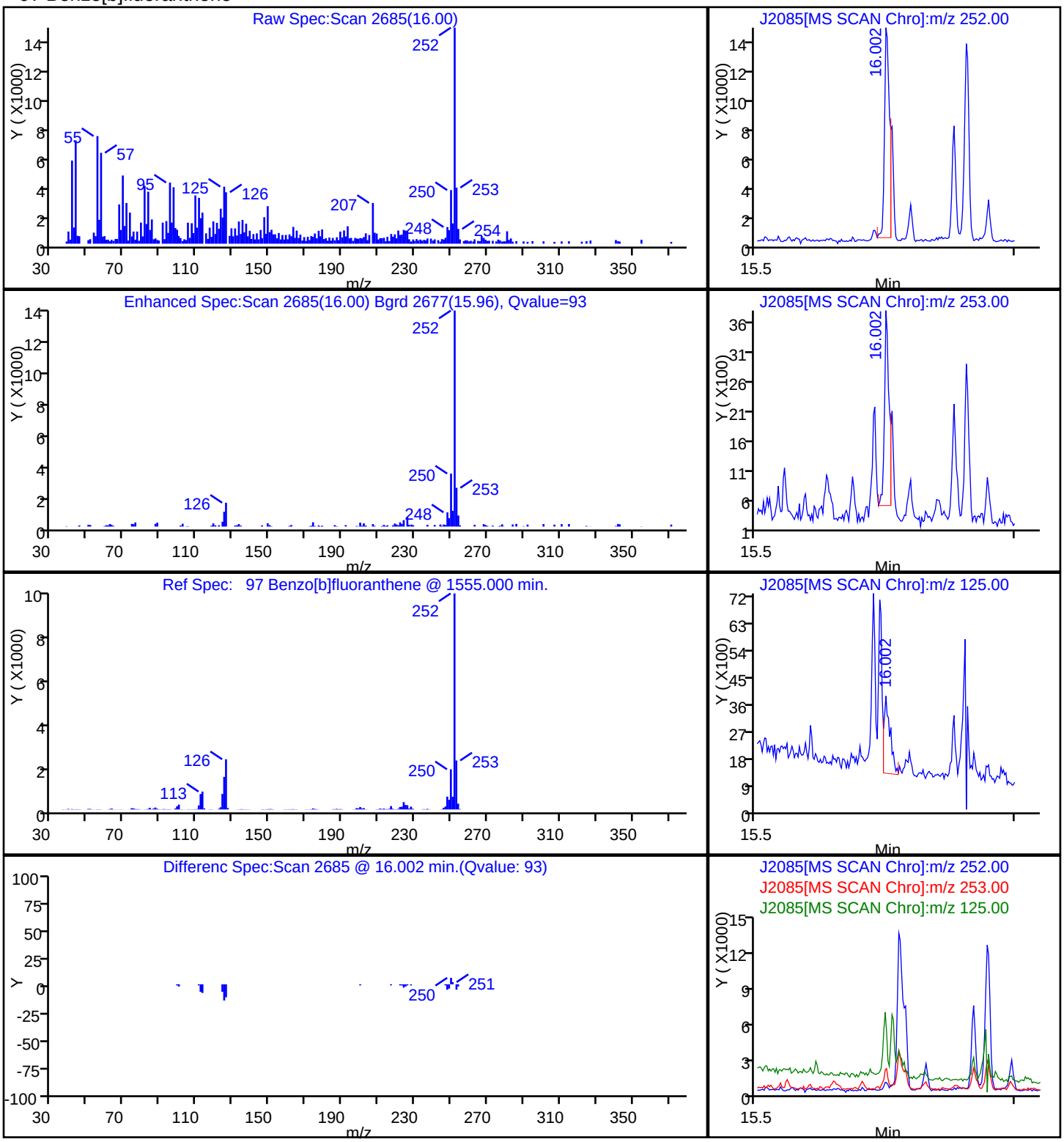


Report Date: 22-Dec-2010 14:49:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene

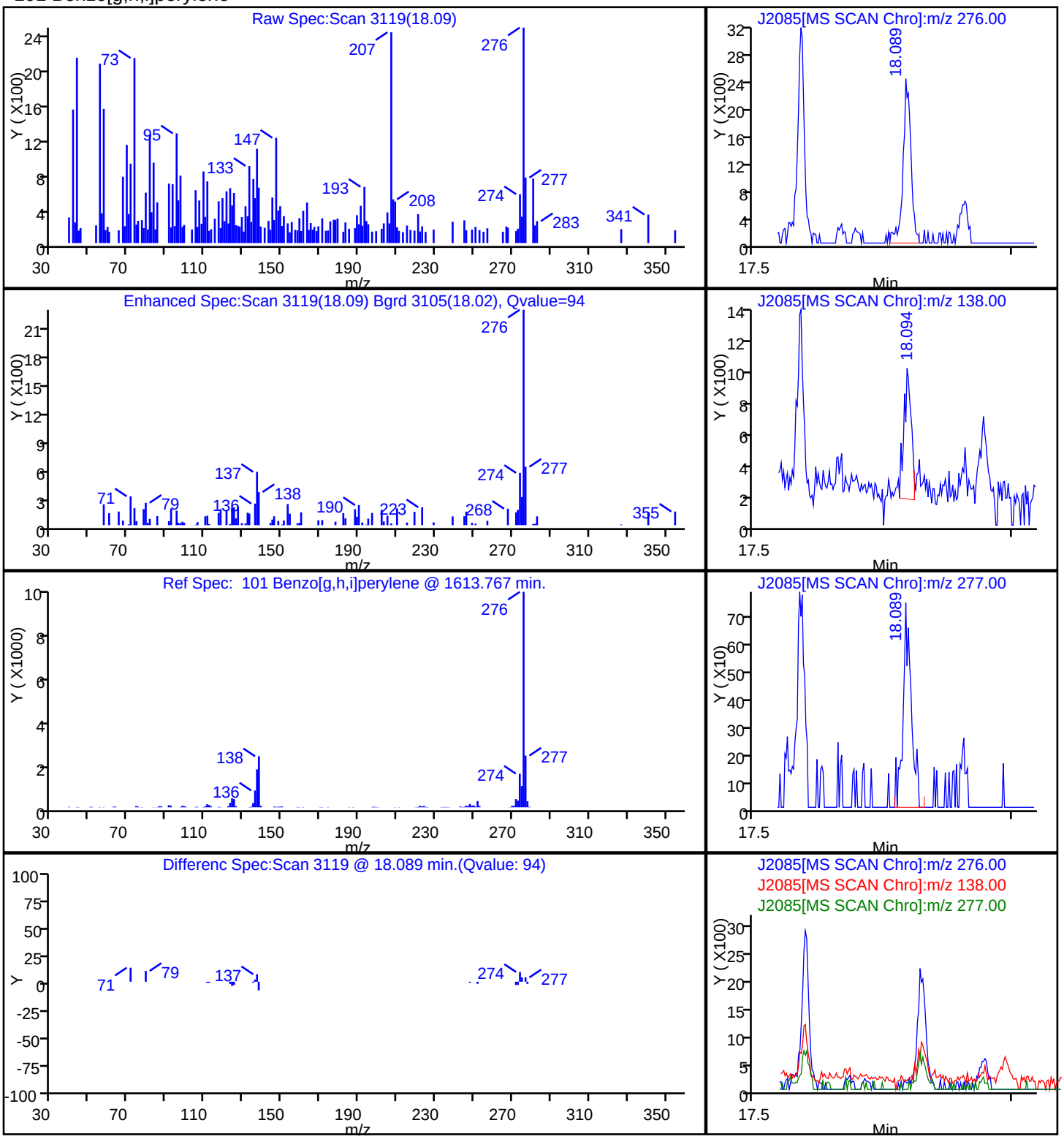


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

101 Benzo[g,h,i]perylene

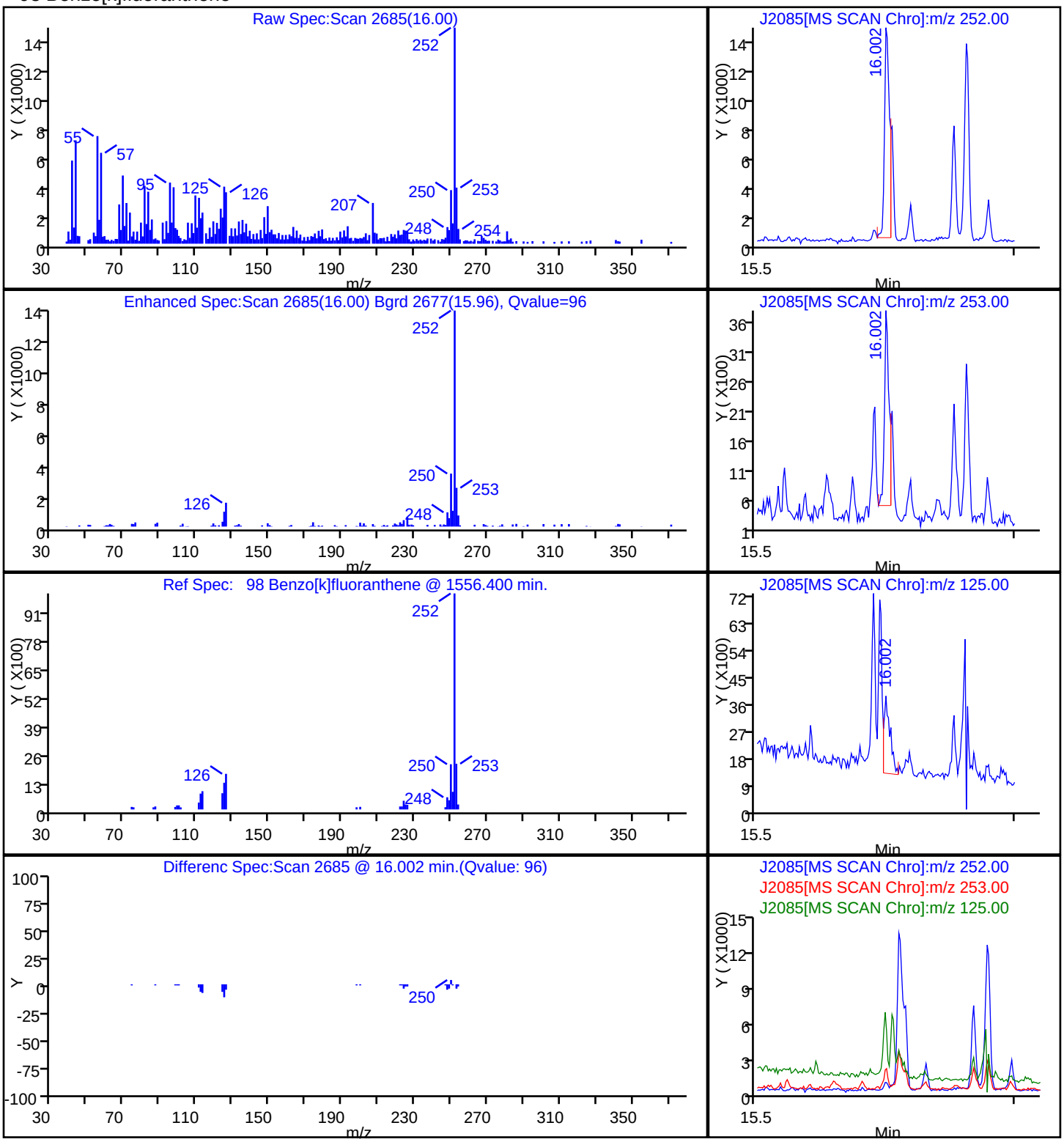


Report Date: 22-Dec-2010 14:49:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

98 Benzo[k]fluoranthene

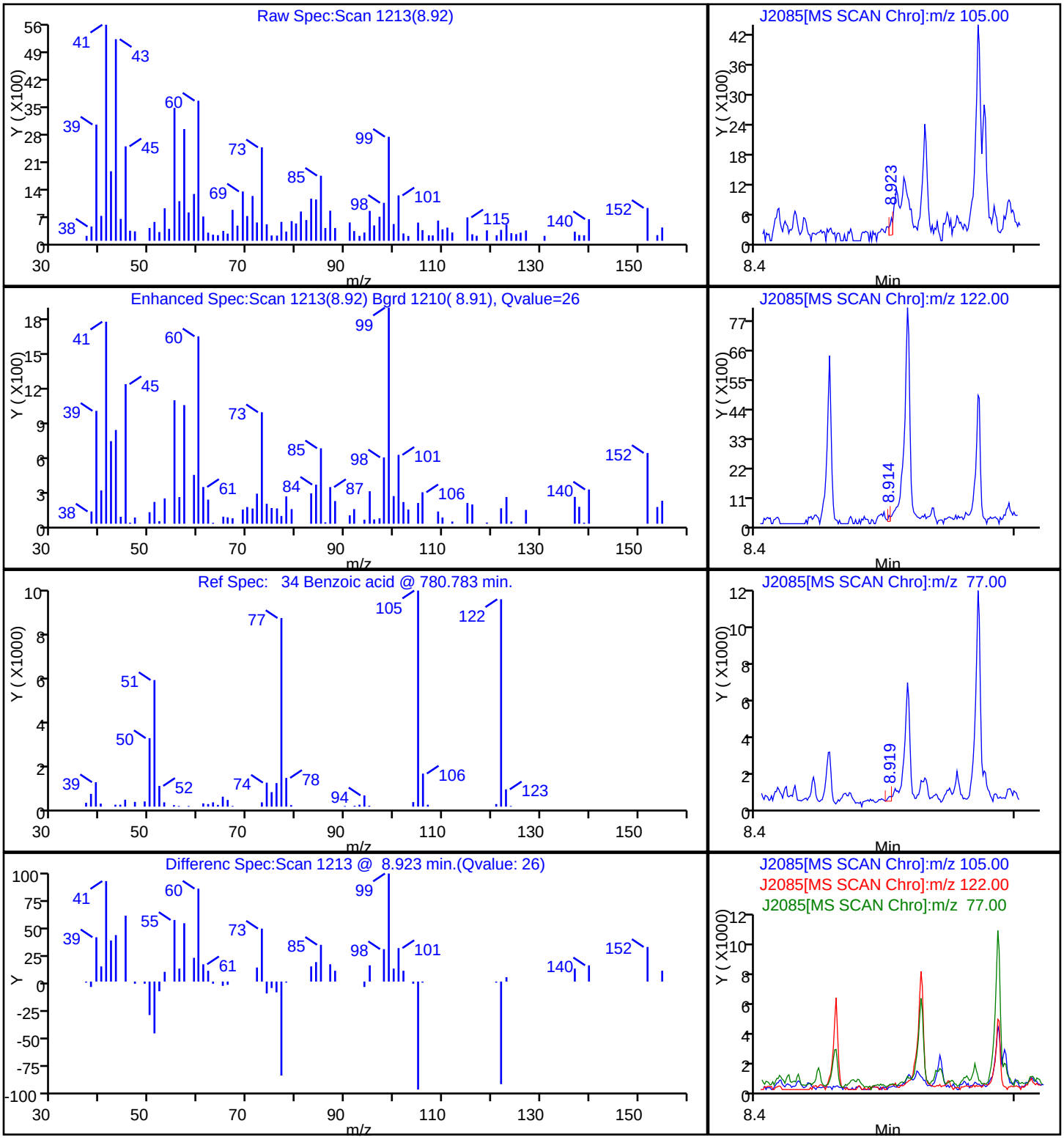


Report Date: 22-Dec-2010 14:49:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

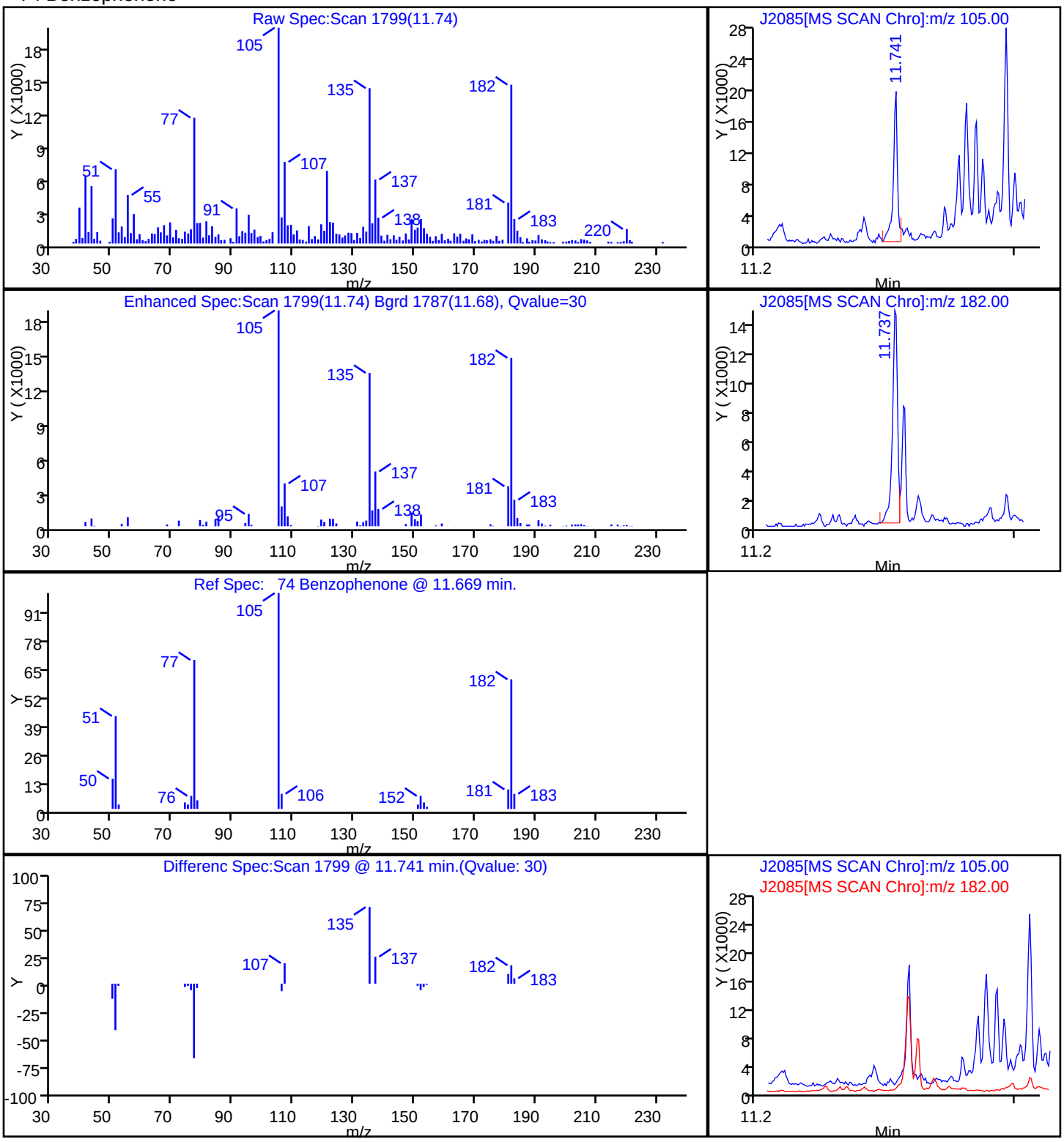
Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid



Report Date: 22-Dec-2010 14:49:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D
Injection Date: 21-Dec-2010 21:13:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 17
Operator ID: CT Injection Vol: 2.00 ul

74 Benzophenone



Report Date: 22-Dec-2010 14:49:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

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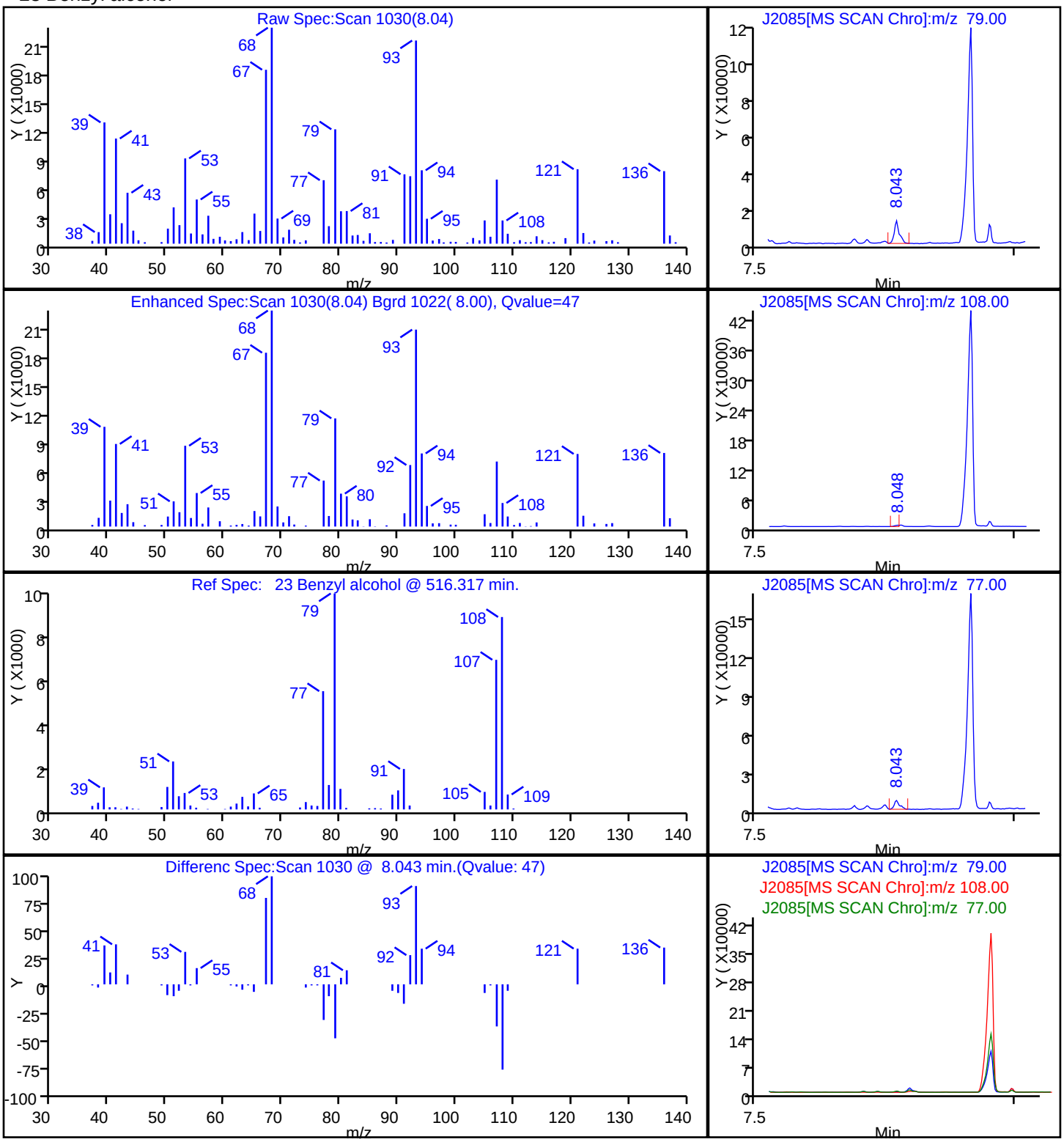
Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

23 Benzyl alcohol

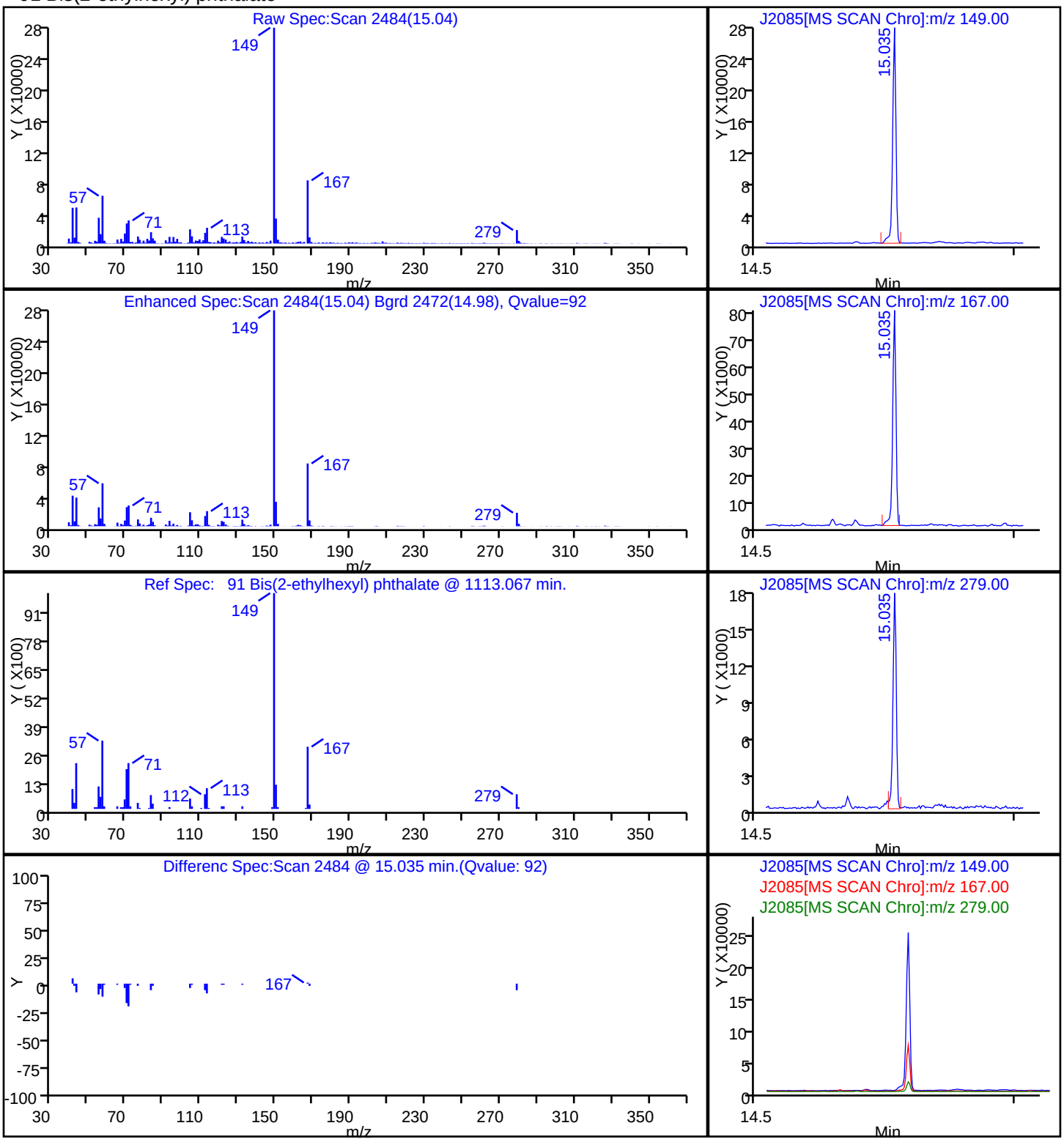


Report Date: 22-Dec-2010 14:49:13 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

91 Bis(2-ethylhexyl) phthalate

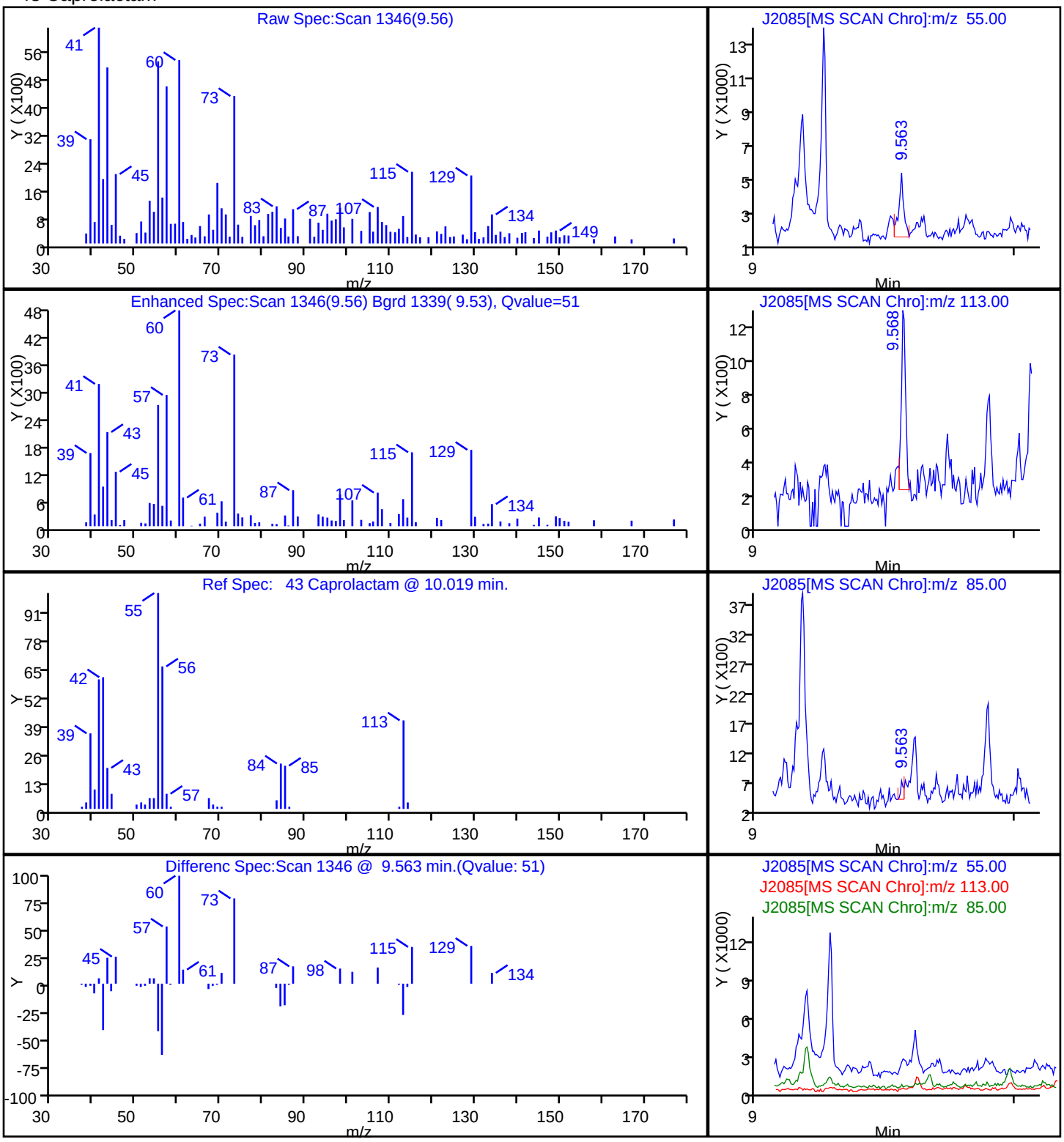


Report Date: 22-Dec-2010 14:49:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

43 Caprolactam

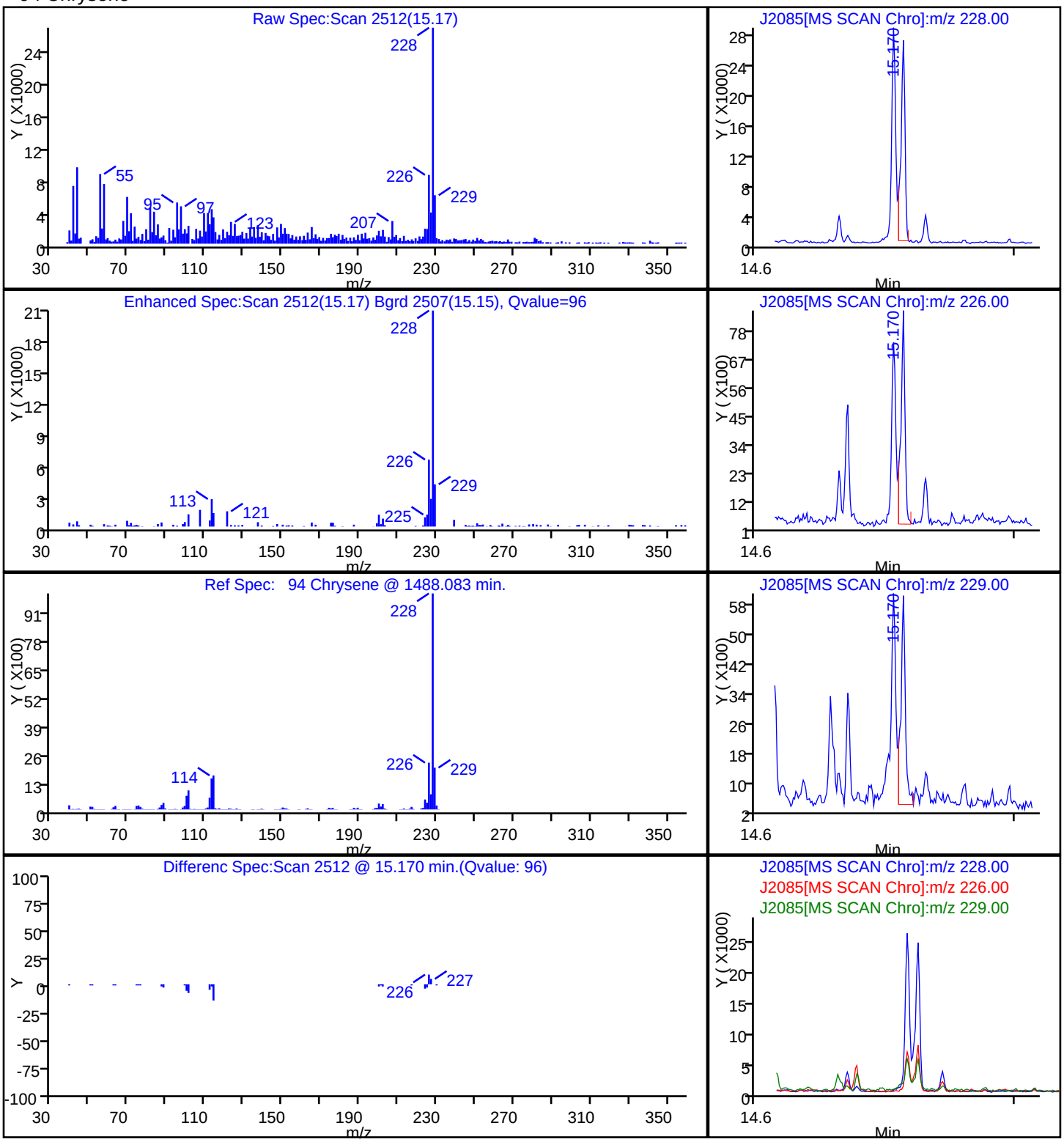


Report Date: 22-Dec-2010 14:49:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene

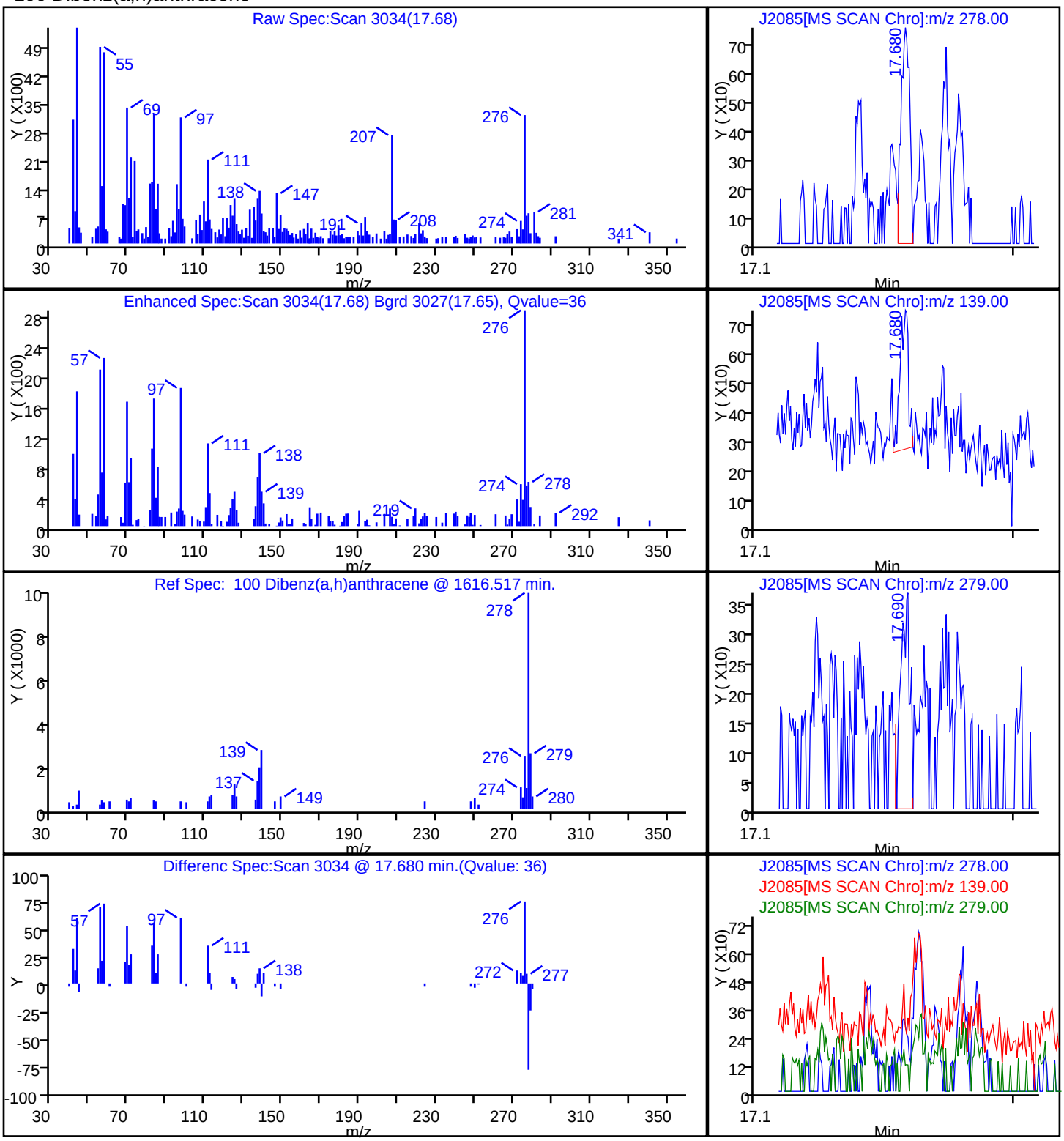


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

100 Dibenz(a,h)anthracene

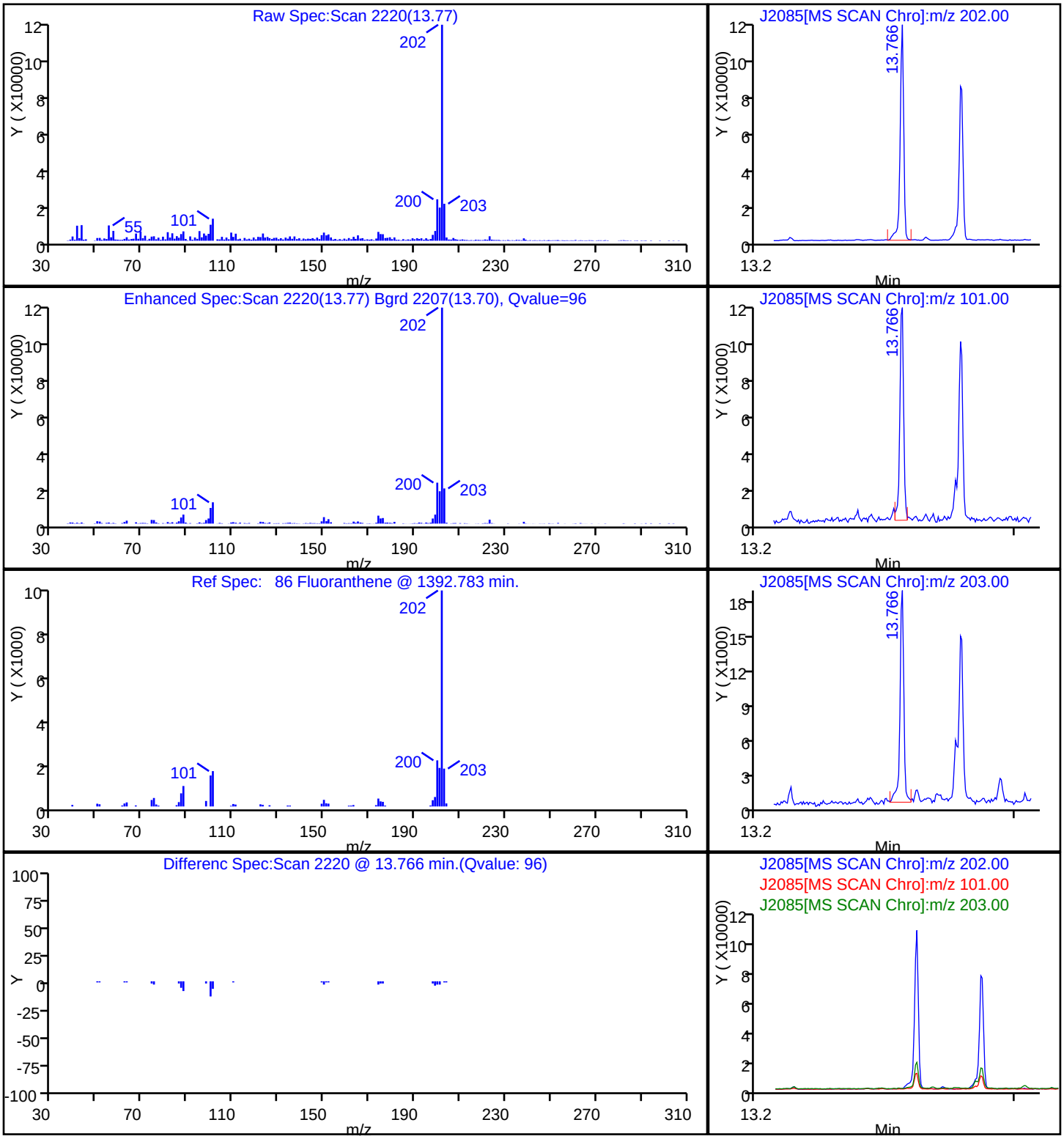


Report Date: 22-Dec-2010 14:49:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

86 Fluoranthene

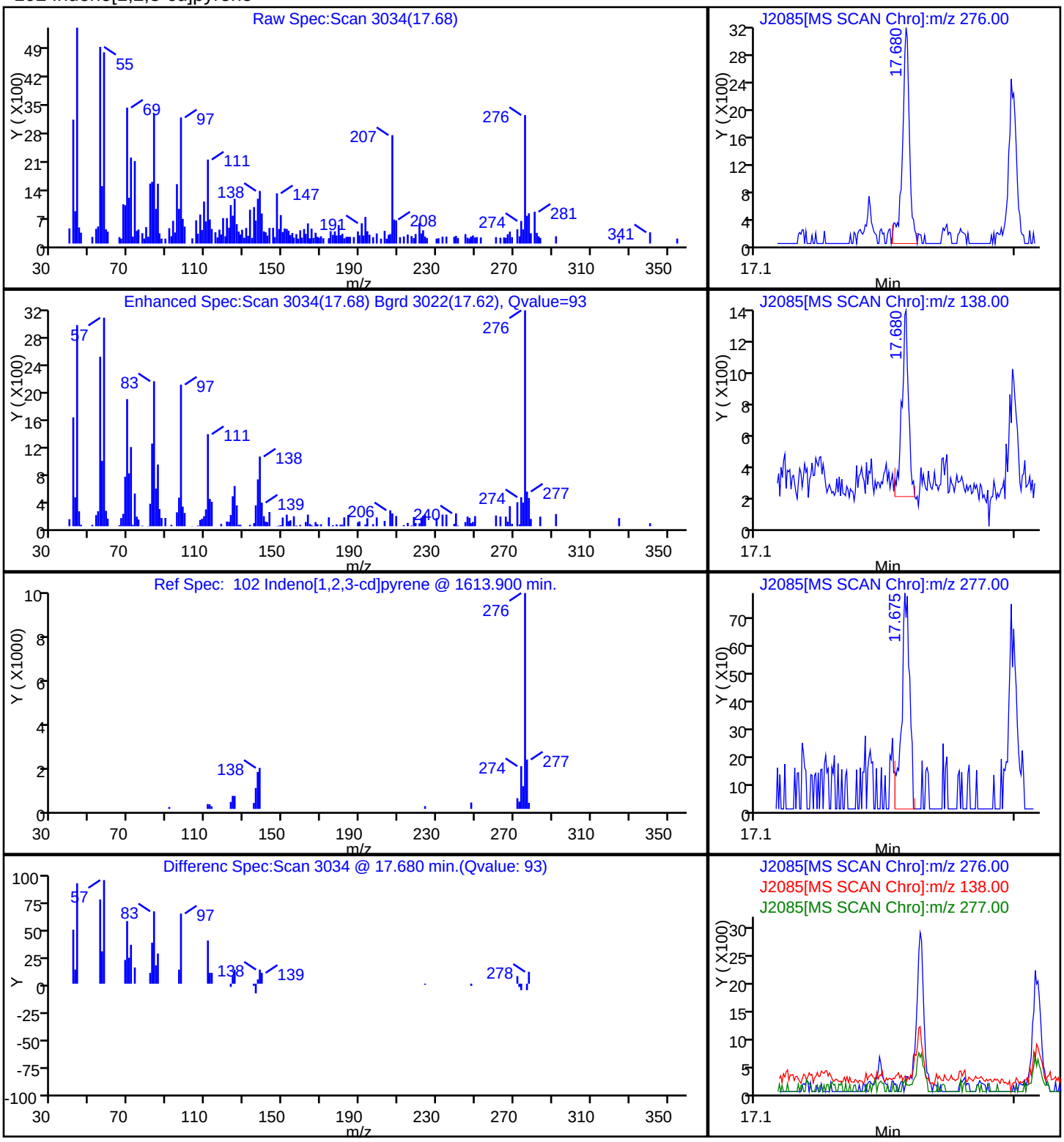


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

102 Indeno[1,2,3-cd]pyrene

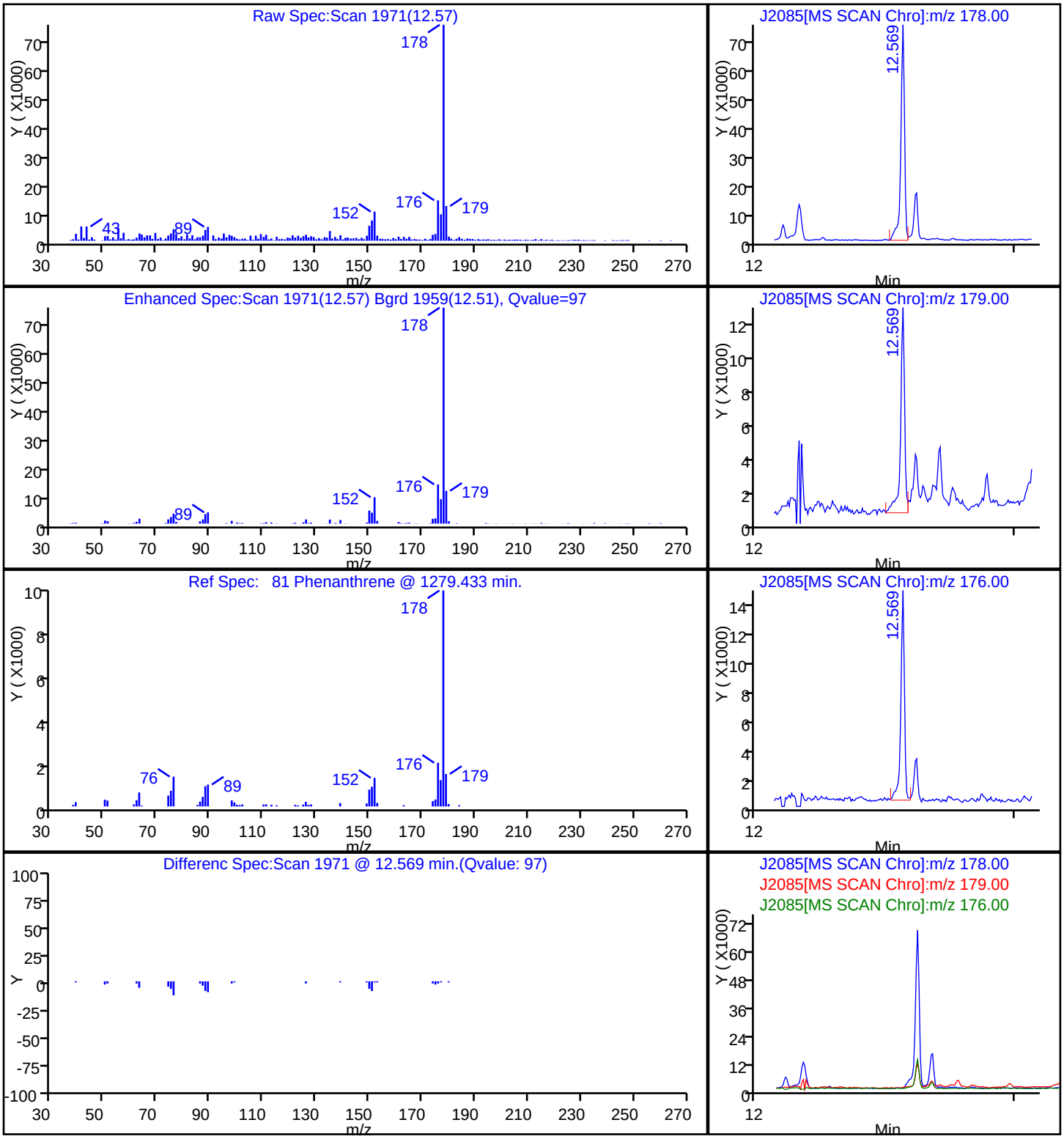


Report Date: 22-Dec-2010 14:49:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

81 Phenanthrene



Report Date: 22-Dec-2010 14:49:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

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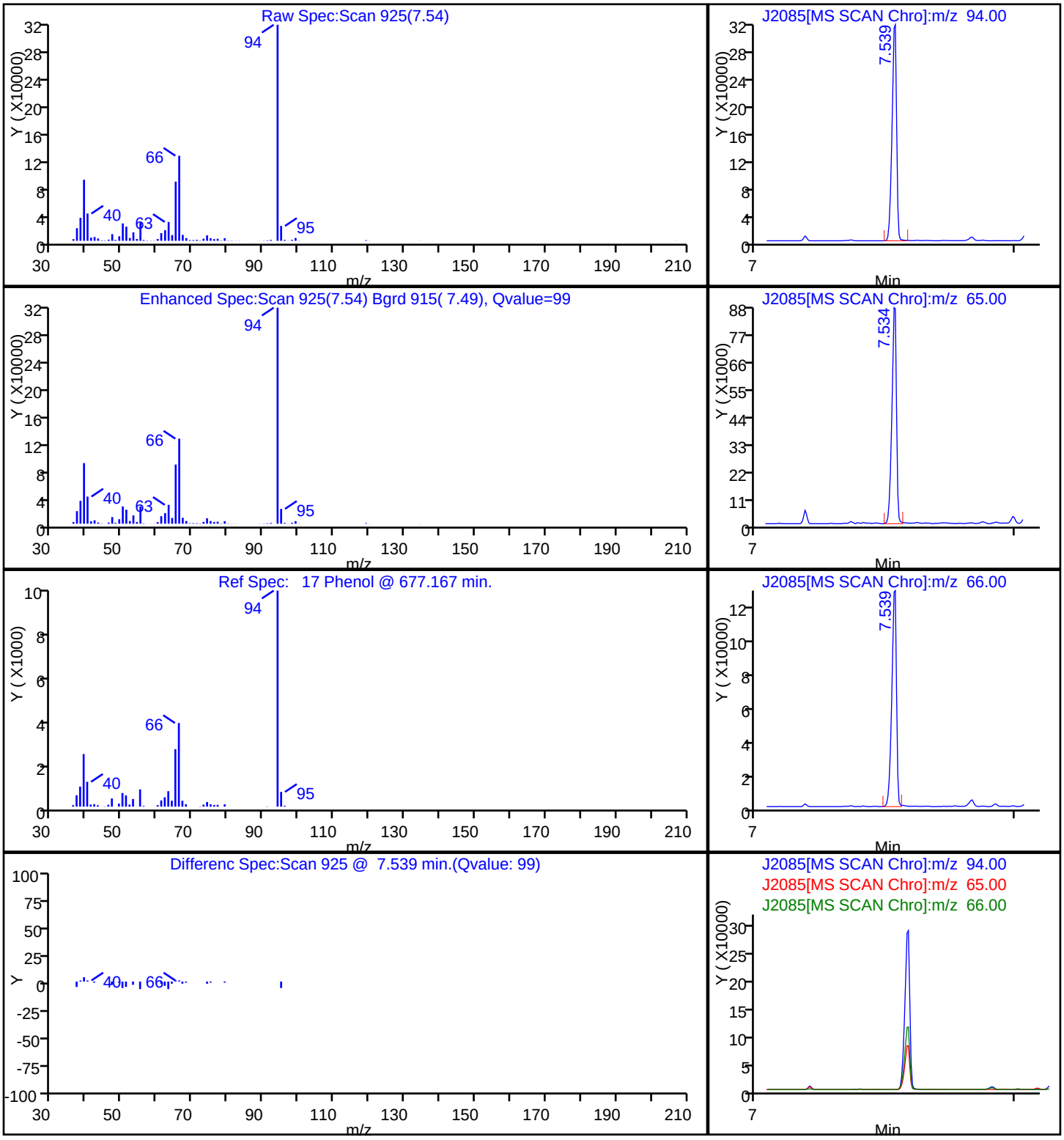
Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

17 Phenol



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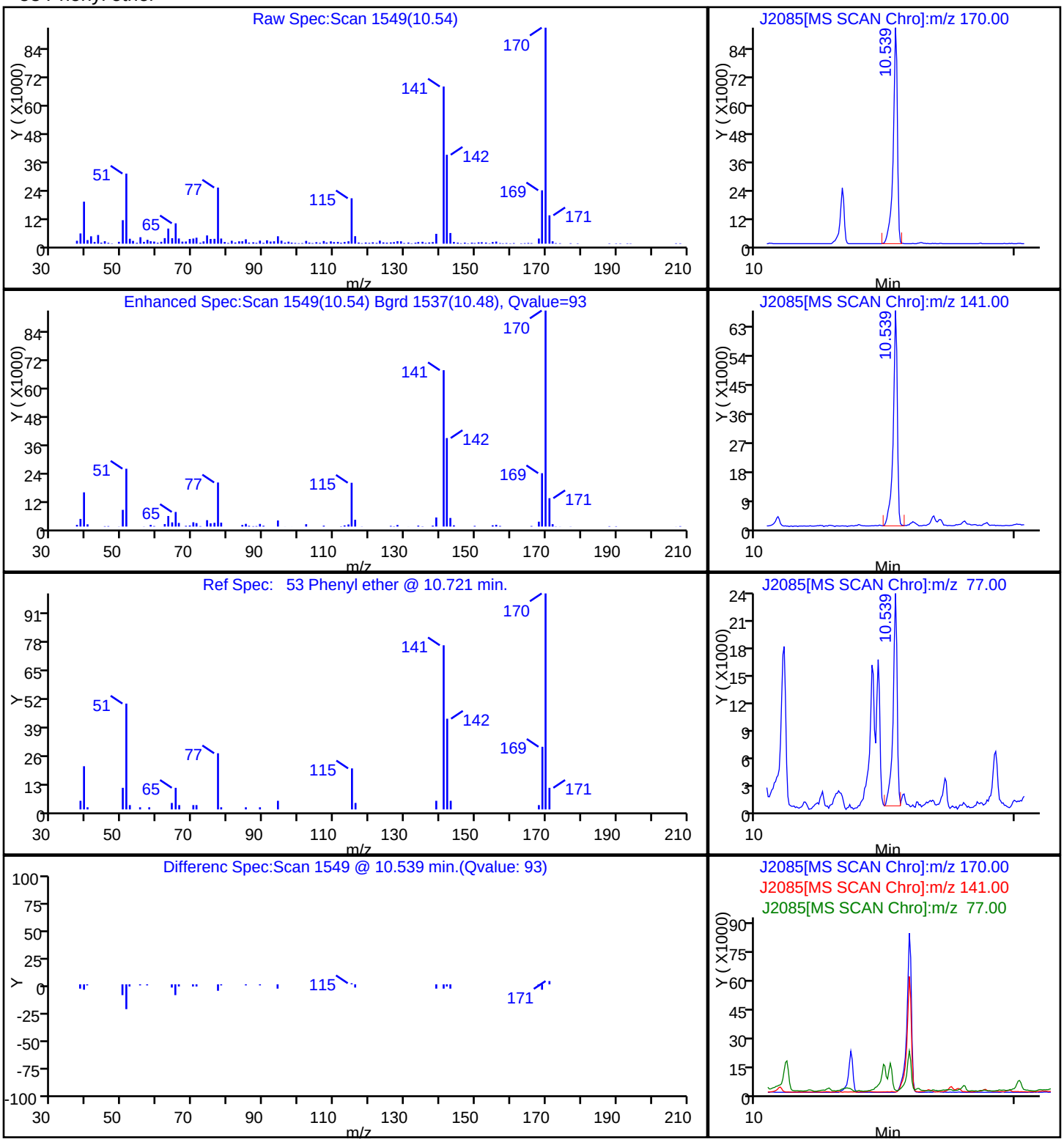
Injection Date: 21-Dec-2010 21:13:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 17
Operator ID: CT Injection Vol: 2.00 ul

53 Phenyl ether

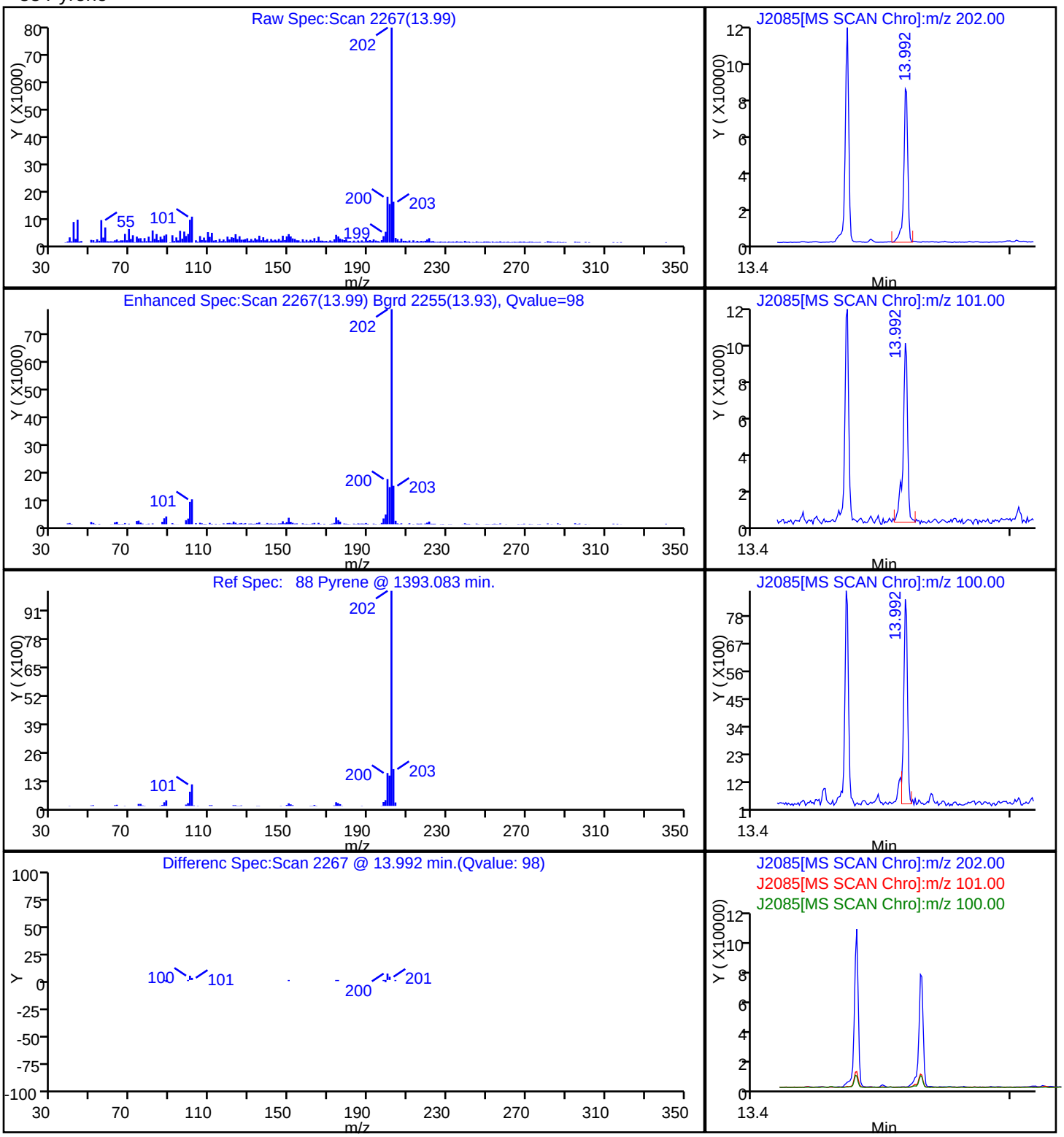


Report Date: 22-Dec-2010 14:49:13 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

88 Pyrene



Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

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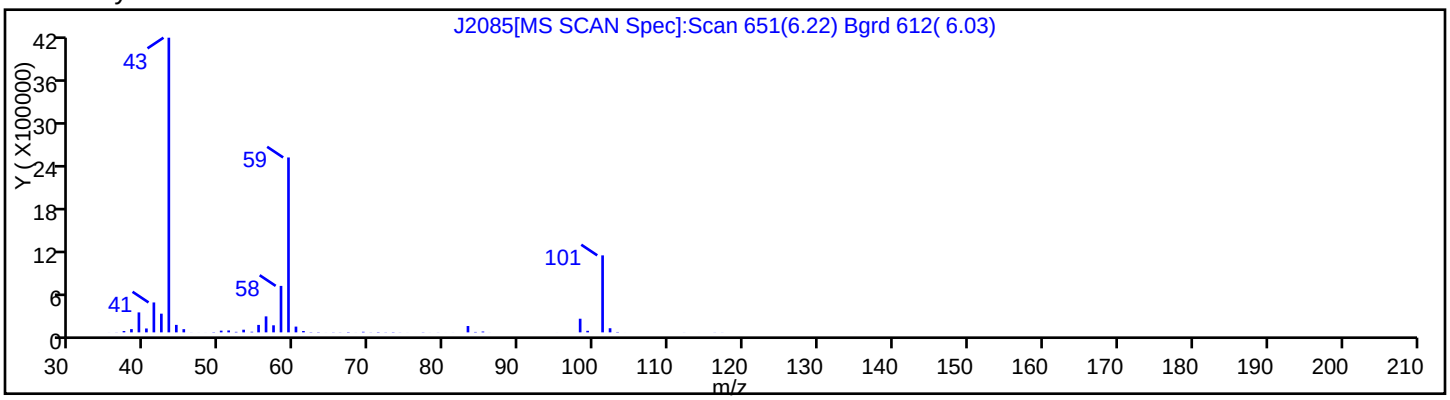
Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

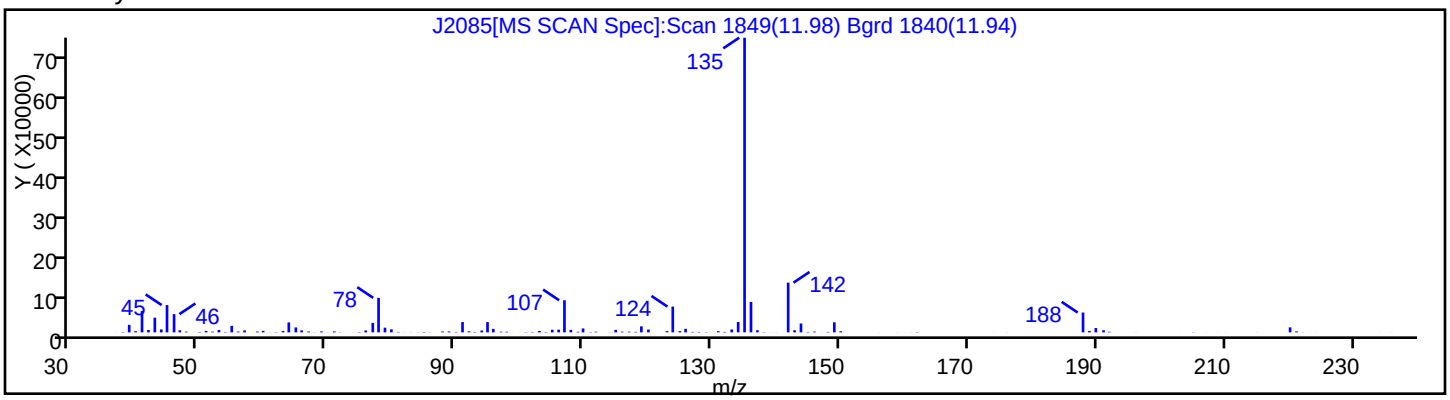
No Library Matches Found above the Threshold: 85



Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D		
Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

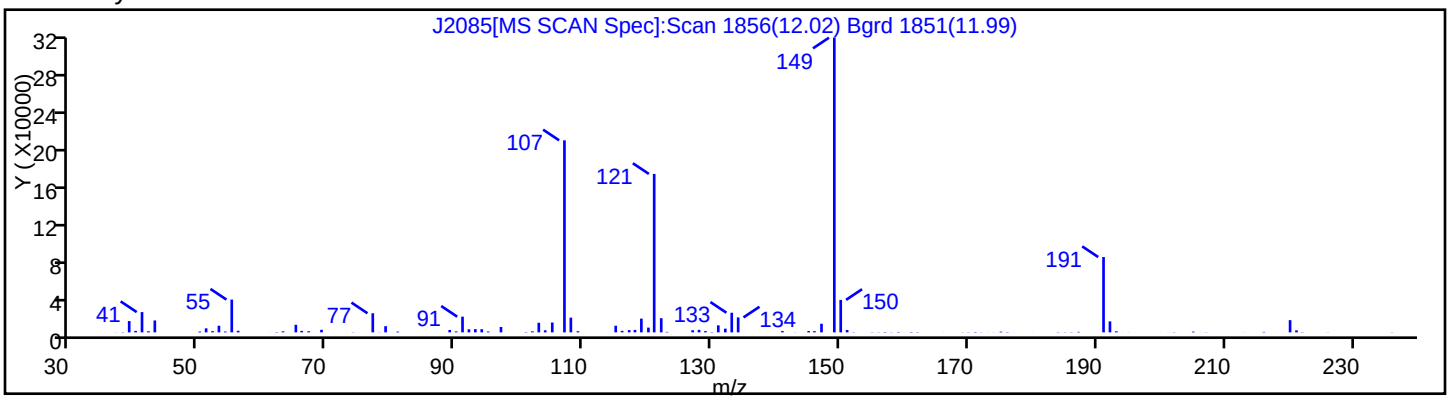


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

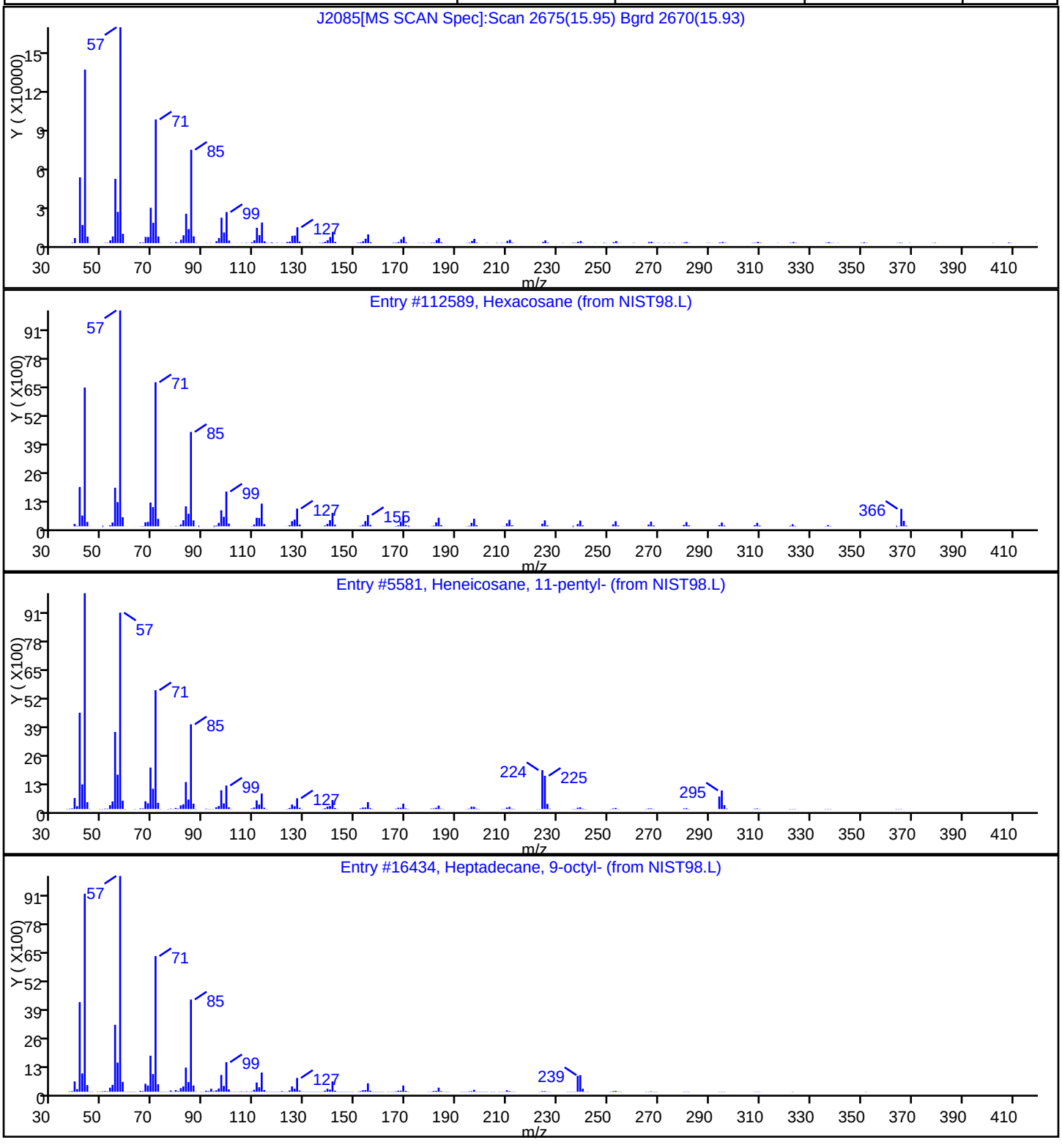
Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



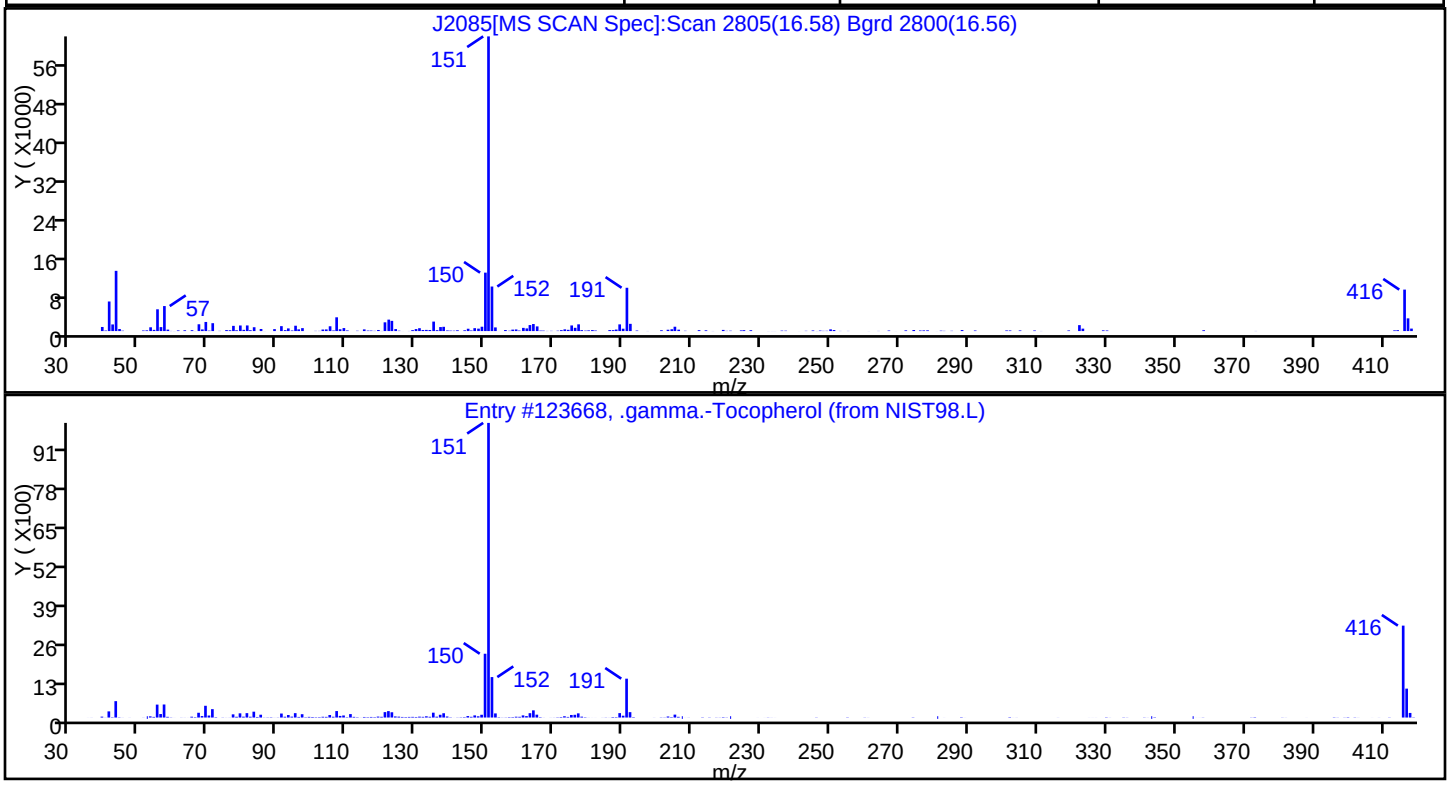
Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D
Injection Date: 21-Dec-2010 21:13:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 17
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexacosane	630-1-3	NIST98.L	112589	98
Heneicosane, 11-pentyl-	14739-72-1	NIST98.L	5581	97
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	96



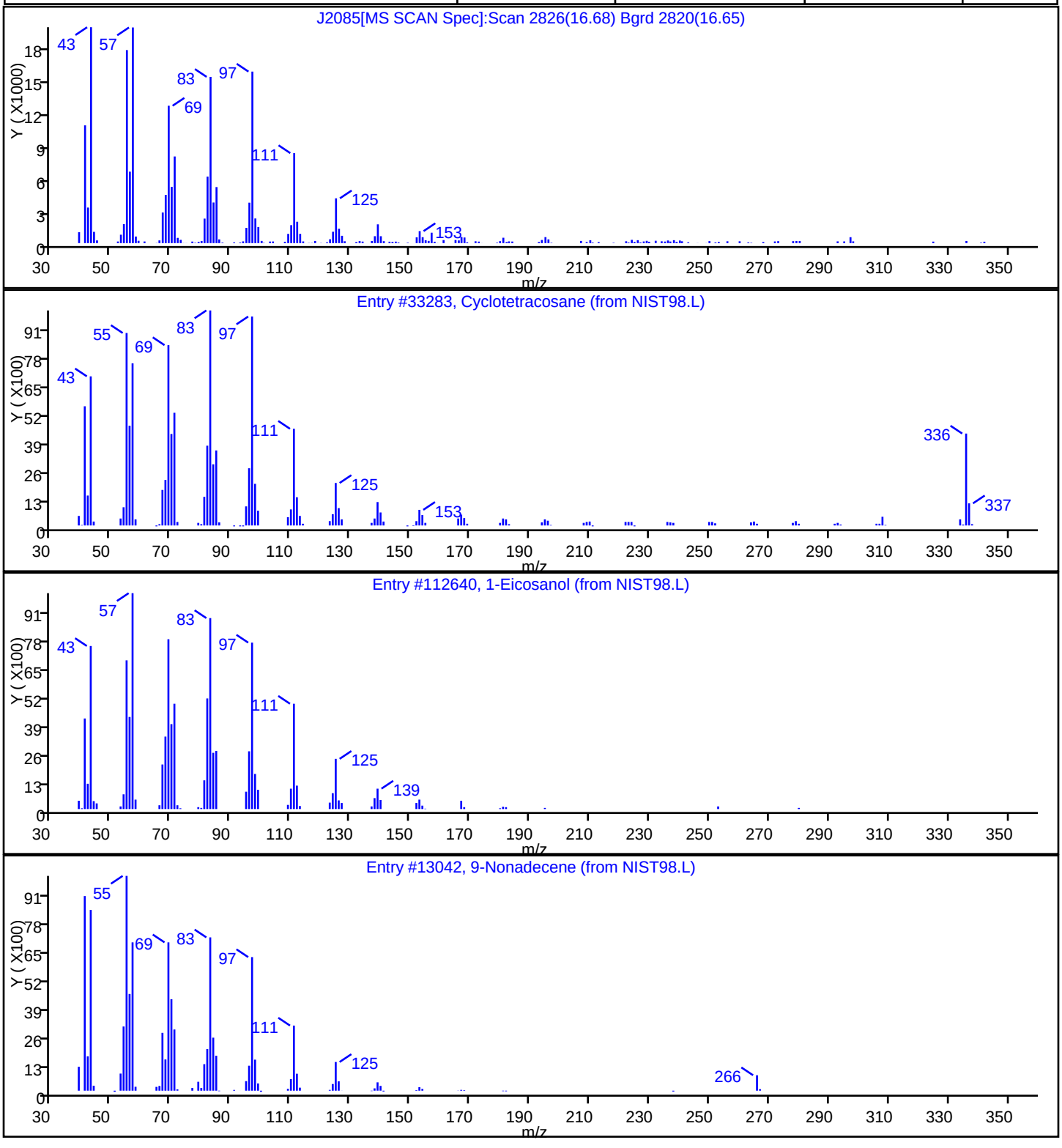
Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D
Injection Date: 21-Dec-2010 21:13:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 17
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
.gamma.-Tocopherol	7616-22-0	NIST98.L	123668	96



Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D
Injection Date: 21-Dec-2010 21:13:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: OC-SD-SD-SD2-XXX Instrument ID: Inst. J
Lims Batch ID: 67510 Lims Sample ID: 17
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	97
1-Eicosanol	629-96-9	NIST98.L	112640	93
9-Nonadecene	31035-7-1	NIST98.L	13042	86

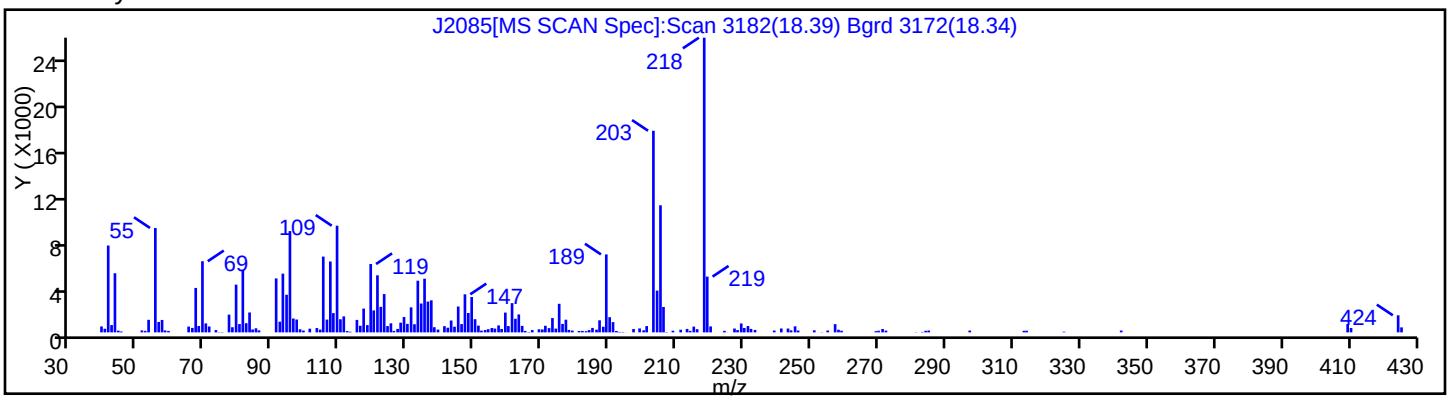


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

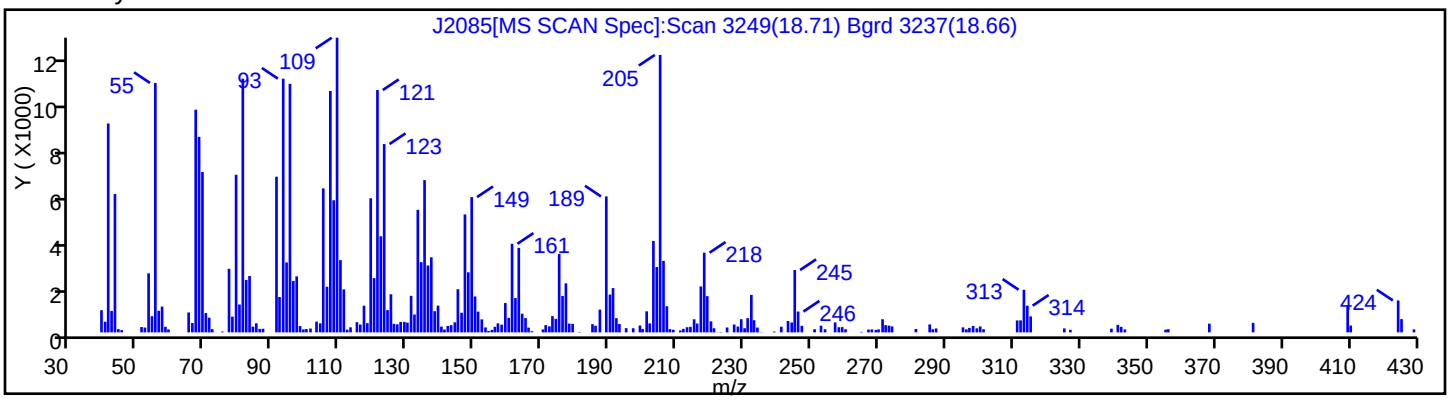


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

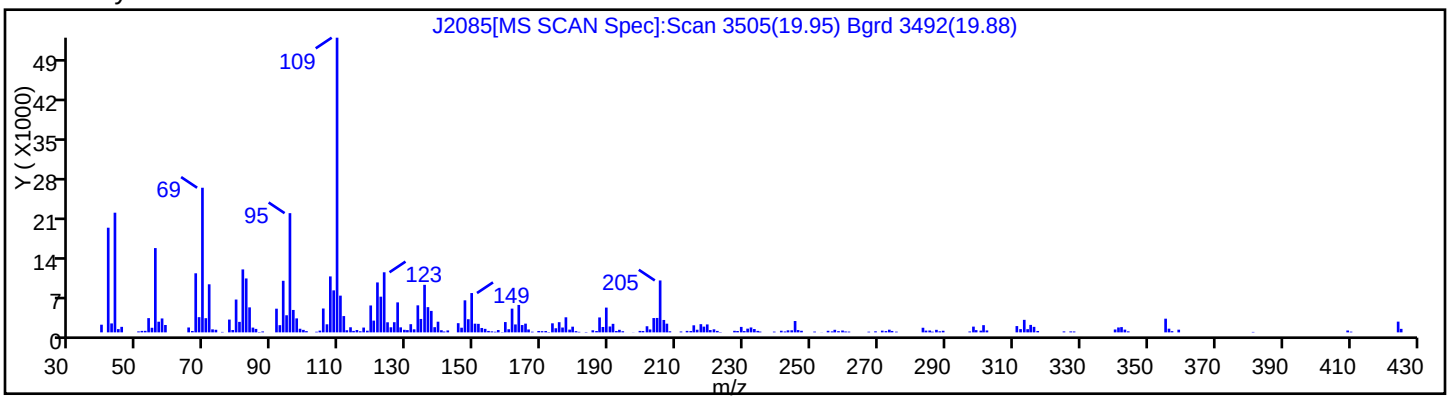


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85

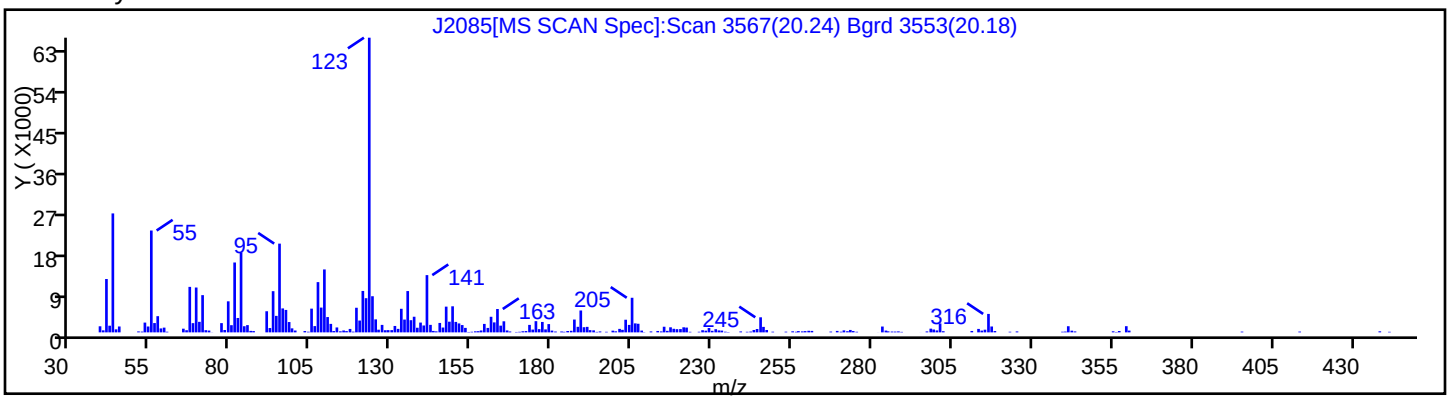


Report Date: 22-Dec-2010 14:49:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2085.D

Injection Date:	21-Dec-2010 21:13:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	17
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID:

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.33(g) | Date Analyzed: 01/06/2011 13:36

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

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

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68210 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
86-30-6	N-Nitrosodiphenylamine	280		55	16
122-39-4	Diphenylamine	ND		55	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX DL | Lab Sample ID: 360-31465-13 DL

Matrix: Solid | Lab File ID: J2114.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.33(g) | Date Analyzed: 12/23/2010 17:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67612 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	2000		270	82

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	91		30-130
321-60-8	2-Fluorobiphenyl	49		30-130
367-12-4	2-Fluorophenol	50		30-130
4165-60-0	Nitrobenzene-d5	44		30-130
4165-62-2	Phenol-d5	48		30-130
1718-51-0	Terphenyl-d14	41		30-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2114.D
Lims ID: 360-31465-A-13-M
Client ID: OC-SD-SD-SD2-XXX
Inject. Date: 23-Dec-2010 17:43:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 360-31465-A-13-M 5X
Misc. Info.:
Operator: CT
Instrument ID: Inst. J
Vol. Injected: 2.0000
ALS Bottle#: 12
Lims Batch ID: 67612
Lims Sample ID: 23
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m
Last Update: 03-Jan-2011 11:13:35
Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 03-Jan-2011 11:51:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.796	7.796	0.0	94	78206	4.00	
* 2 Naphthalene-d8	136	9.123	9.118	0.005	99	307510	4.00	
* 3 Acenaphthene-d10	164	10.898	10.898	0.0	92	156758	4.00	
* 4 Phenanthrene-d10	188	12.398	12.388	0.010	95	229729	4.00	
* 5 Chrysene-d12	240	14.990	14.980	0.010	77	122572	4.00	
* 6 Perylene-d12	264	16.207	16.192	0.015	80	44476	4.00	
$ 7 2-Fluorophenol	112	6.334	6.310	0.024	88	16233	1.00	
$ 8 Phenol-d5	99	7.397	7.382	0.015	91	18572	0.9697	
$ 9 Nitrobenzene-d5	82	8.373	8.373	0.0	88	6823	0.4386	
$ 10 2-Fluorobiphenyl	172	10.196	10.196	0.0	100	19805	0.4914	
$ 11 2,4,6-Tribromophenol	330	11.696	11.686	0.010	86	3435	1.83	
$ 12 Terphenyl-d14	244	13.951	13.946	0.005	98	8923	0.4097	
17 Phenol	94	7.411	7.397	0.014	98	60897	3.34	
21 1,3-Dichlorobenzene	146	7.738	7.738	0.0	97	3260	0.1435	
22 1,4-Dichlorobenzene	146	7.815	7.815	0.0	30	1042	0.0446	A
27 3 & 4 Methylphenol	107	8.205	8.195	0.010	95	125765	7.43	
38 1,2,4-Trichlorobenzene	180	9.061	9.056	0.005	74	465	0.0258	
40 Naphthalene	128	9.142	9.142	0.0	78	2664	0.0446	
51 1,1'-Biphenyl	154	10.301	10.301	0.0	74	2410	0.0539	
53 Phenyl ether	170	10.402	10.398	0.004	94	17379	0.7239	
62 Acenaphthene	153	10.931	10.926	0.005	77	1815	0.0635	
64 Dibenzofuran	168	11.104	11.100	0.004	72	929	0.0200	
66 Diethyl phthalate	149	11.282	11.278	0.004	23	599	0.0145	
70 Fluorene	166	11.446	11.446	0.0	97	1492	0.0393	
71 Diphenylamine	169	11.537	11.537	0.0	0	26132	0.9637	
75 N-Nitrosodiphenylamine	169	11.537	11.537	0.0	52	26132	1.13	
74 Benzophenone	105	11.595	11.595	0.0	90	3440	0.1164	
81 Phenanthrene	178	12.422	12.412	0.010	98	11326	0.2520	
82 Anthracene	178	12.470	12.465	0.005	97	3110	0.0717	
55 DFTPP	198	11.797	12.605	-0.808	0	145	0	
84 Di-n-butyl phthalate	149	12.908	12.903	0.005	99	7555	0.1324	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.615	13.610	0.005	97	15006	0.3734	
88 Pyrene	202	13.845	13.841	0.004	97	13405	0.3698	
91 Bis(2-ethylhexyl) phthalate	149	14.889	14.884	0.005	93	45978	1.99	
93 Benzo[a]anthracene	228	14.980	14.980	0.009	32	5602	0.2273	A
94 Chrysene	228	15.014	15.004	0.010	75	4935	0.2170	
97 Benzo[b]fluoranthene	252	15.865	15.851	0.014	88	3169	0.2534	
98 Benzo[k]fluoranthene	252	15.880	15.880	0.005	92	1766	0.1559	M
99 Benzo[a]pyrene	252	16.154	16.154	0.010	24	3291	0.3683	A

QC Flag Legend

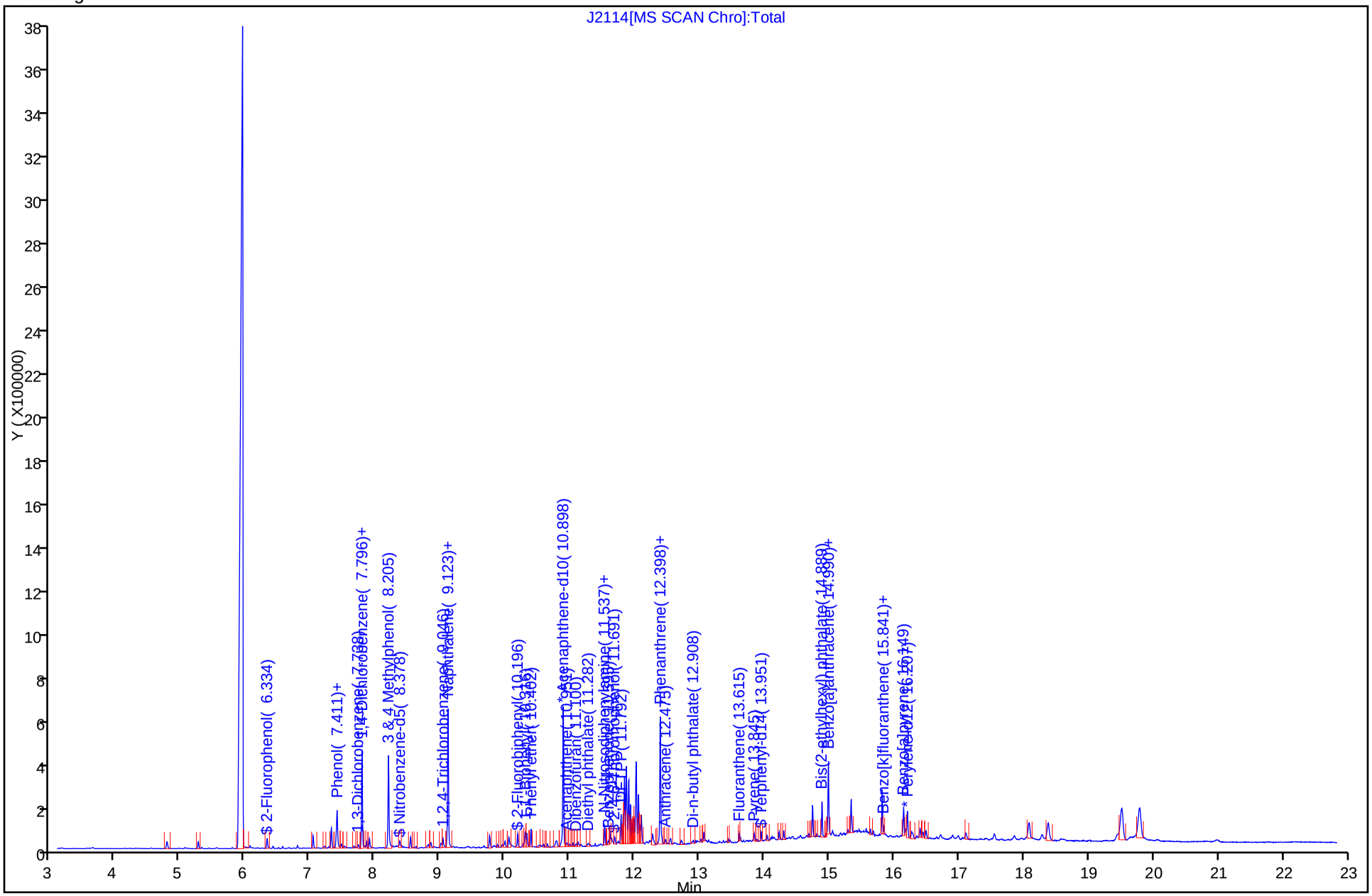
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 03-Jan-2011 11:51:25 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2114.D

Injection Date:	23-Dec-2010 17:43:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	23
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

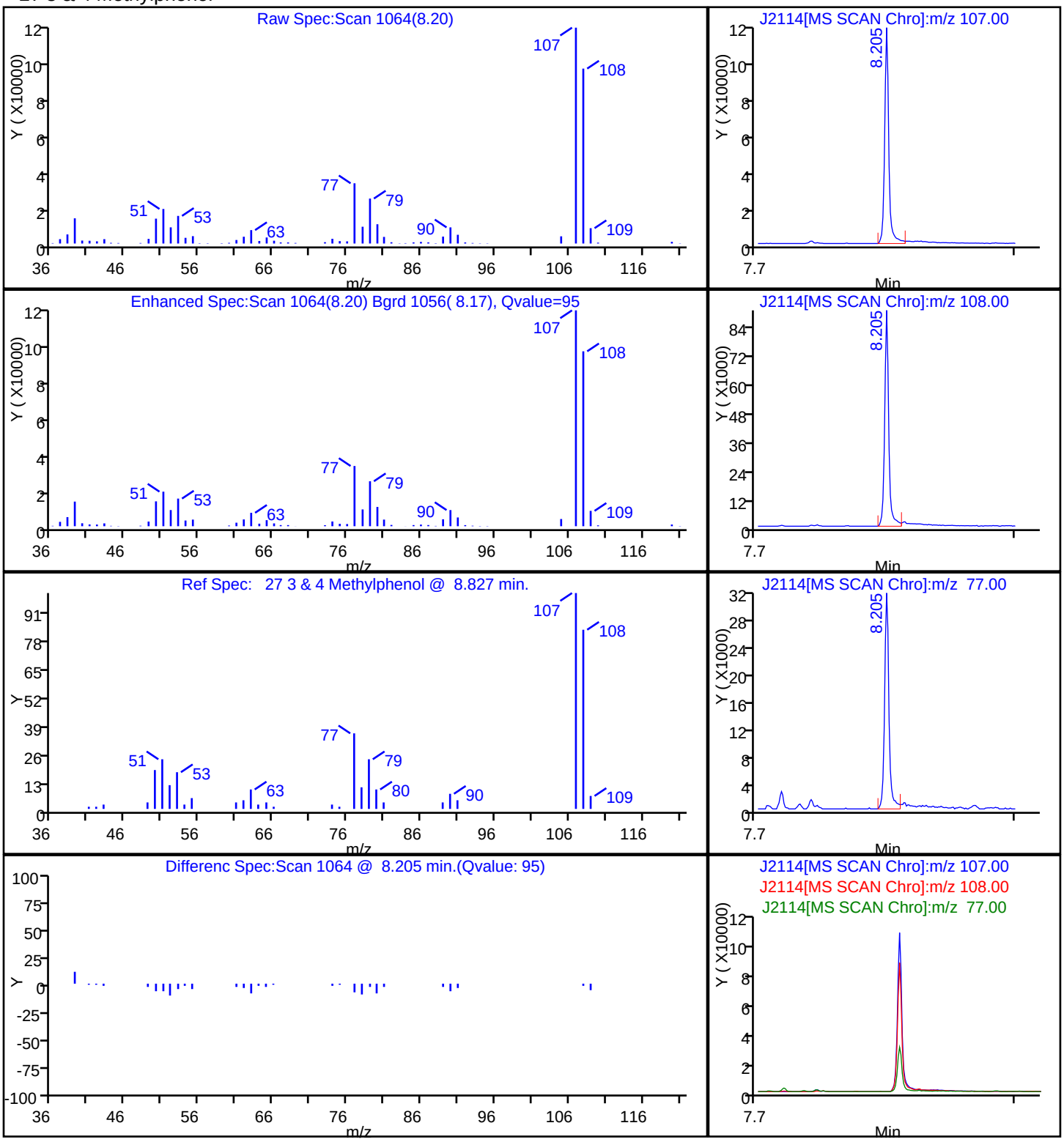


Report Date: 03-Jan-2011 11:51:26 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2114.D

Injection Date:	23-Dec-2010 17:43:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	23
Operator ID:	CT	Injection Vol:	2.00 ul

27 3 & 4 Methylphenol



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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 360-67431/2	B13777.D
Level 2	STD05 360-67431/3	B13778.D
Level 3	STD1 360-67431/4	B13779.D
Level 4	STD25 360-67431/5	B13780.D
Level 5	STD5 360-67431/6	B13781.D
Level 6	STD8 360-67431/7	B13782.D
Level 7	STD10 360-67431/8	B13783.D
Level 8	STD15 360-67431/9	B13784.D
Level 9	STD20 360-67431/10	B13785.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.3410	0.3367 0.3364	0.3169 0.3421	0.3240 0.3413	0.3351	Ave		0.3342				2.7		20.0			
N-Nitrosodimethylamine	0.3017	0.2883 0.2793	0.2703 0.2914	0.2796 0.3023	0.2881	Ave		0.2876				3.9		20.0			
Pyridine	0.3088	0.2947	0.0974 0.3285	0.2111 0.3573	0.2647	Lin	-0.454	0.3677							0.9950		0.9900
Benzaldehyde	0.6310	0.5648 0.6036	0.5628 0.6221	0.5981 0.6147	0.6017	Ave		0.5998				4.1		20.0			
Phenol	0.8919	0.8006 0.8576	0.8085 0.9065	0.8583 0.9216	0.8729	Ave		0.8647			0.8000	5.0		20.0			
Aniline	0.9371	0.8500 0.9604	0.7864 1.0398	0.8539 1.0811	0.8873	Ave		0.9245				11.0		20.0			
Bis(2-chloroethyl)ether	0.8532	0.8198 0.8262	0.7719 0.8241	0.8108 0.8120	0.8316	Ave		0.8187			0.7000	2.8		20.0			
2-Chlorophenol	0.9872	0.8860 0.9518	0.9225 1.0054	0.9272 1.0128	0.9550	Ave		0.9560			0.8000	4.6		20.0			
1,3-Dichlorobenzene	1.2098	1.1796 1.1840	1.1335 1.1971	1.1751 1.2051	1.2069	Ave		1.1864				2.1		20.0			
1,4-Dichlorobenzene	1.2030	1.2156 1.1549	1.1115 1.1844	1.1683 1.2008	1.1915	Ave		1.1787				2.8		20.0			
Benzyl alcohol	0.5226	0.4540 0.5115	0.4489 0.5456	0.4795 0.5673	0.4986	Ave		0.5035				8.3		20.0			
1,2-Dichlorobenzene	1.1649	1.1416 1.1224	1.0884 1.1496	1.1491 1.1538	1.1216	Ave		1.1364				2.2		20.0			
2-Methylphenol	0.7413	0.7199 0.7331	0.6598 0.7738	0.7252 0.7810	0.7419	Ave		0.7345			0.7000	5.1		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	0.7359	0.6793 0.7225	0.6527 0.7355	0.6868 0.7287	0.7193	Ave		0.7076			0.0100	4.3		20.0			
3 & 4 Methylphenol	0.8228	0.7680 0.8085	0.7451 0.8485	0.7812 0.8708	0.8042	Ave		0.8061			0.6000	5.1		20.0			
N-Nitrosodi-n-propylamine	0.2655	0.2283 0.2661	0.2357 0.2712	0.2357 0.2738	0.2503	Ave		0.2533				7.2		20.0			
Acetophenone	1.1032	0.9751 1.0739	0.9690 1.1024	1.0502 1.1292	1.0667	Ave		1.0587			0.0100	5.6		20.0			
Hexachloroethane	0.4359	0.4191 0.4144	0.3851 0.4353	0.3998 0.4296	0.4131	Ave		0.4166			0.3000	4.2		20.0			
Nitrobenzene	0.1868	0.1676 0.1813	0.1683 0.1841	0.1748 0.1894	0.1840	Lin1	-0.015	0.1868							1.0000		0.9900
Isophorone	0.3700	0.2971 0.3806	0.2980 0.3818	0.3336 0.3845	0.3485	Lin1	-0.069	0.3832							0.9990		0.9900
2,4-Dimethylphenol	0.2028	0.2020 0.2060	0.1872 0.2108	0.1950 0.2136	0.1990	Ave		0.2021			0.2000	4.2		20.0			
2-Nitrophenol	0.1652	0.1048 0.1415	0.1191 0.1453	0.1407 0.1434	0.1499	Ave		0.1387			0.1000	13.0		20.0			
Benzoic acid	0.3628	0.0282 0.3501	0.1022 0.4600	0.2232 0.5177	0.2614	Qua	-0.158	0.2476	0.0141						0.9990		0.9900
Bis(2-chloroethoxy)methane	0.2451	0.2128 0.2427	0.2258 0.2458	0.2350 0.2475	0.2394	Lin1	-0.020	0.2468							1.0000		0.9900
2,4-Dichlorophenol	0.1942	0.1641 0.1887	0.1674 0.1992	0.1780 0.2048	0.1870	Lin1	-0.029	0.1998							0.9990		0.9900
1,2,4-Trichlorobenzene	0.2574	0.2646 0.2539	0.2515 0.2559	0.2509 0.2589	0.2521	Ave		0.2556				1.8		20.0			
Naphthalene	0.7700	0.7680 0.7658	0.7356 0.7639	0.7620 0.7818	0.7629	Ave		0.7637			0.7000	1.7		20.0			
4-Chloroaniline	0.1793	0.2041 0.2155	0.1684 0.2582	0.2023 0.2777	0.1910	Ave		0.2121			0.0100	18.0		20.0			
Hexachlorobutadiene	0.1297 0.1359	0.1321 0.1395	0.1317 0.1340	0.1294 0.1369	0.1358	Ave		0.1339			0.0100	2.6		20.0			
Caprolactam	0.0472	0.0287 0.0536	0.0326 0.0544	0.0389 0.0568	0.0426	Lin	-0.045	0.0578							0.9960		0.9900
4-Chloro-3-methylphenol	0.1633	0.1398 0.1694	0.1433 0.1746	0.1520 0.1795	0.1563	Ave		0.1598				9.0		20.0			
2-Methylnaphthalene	0.4843	0.4471 0.4858	0.4566 0.4914	0.4740 0.5000	0.4761	Ave		0.4769			0.4000	3.7		20.0			
1-Methylnaphthalene	0.5052	0.4902 0.5152	0.4753 0.5083	0.4974 0.5204	0.4925	Ave		0.5005				2.9		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

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								
Hexachlorocyclopentadiene	0.1978	0.2065 0.1691	0.2072 0.1942	0.1908 0.2016	0.1818	Ave		0.1936				6.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.2152	0.2198 0.2226	0.2047 0.2203	0.2188 0.2253	0.2105	Ave		0.2172				3.1		20.0			
2,4,6-Trichlorophenol	0.2451	0.2066 0.2464	0.2174 0.2565	0.2315 0.2585	0.2379	Ave		0.2375			0.2000	7.7		20.0			
2,4,5-Trichlorophenol	0.2439	0.2086 0.2334	0.2229 0.2464	0.2324 0.2578	0.2384	Ave		0.2355			0.2000	6.4		20.0			
1,1'-Biphenyl	1.0746	1.0698 1.0605	1.0261 1.0923	1.0524 1.0939	1.0524	Ave		1.0653				2.1		20.0			
2-Chloronaphthalene	0.9974	0.9723 0.9436	0.9258 0.9900	0.9568 0.9975	0.9483	Ave		0.9665				2.8		20.0			
Diphenyl oxide	0.3311	0.3193 0.3410	0.3128 0.3418	0.3224 0.3462	0.3261	Ave		0.3301				3.6		20.0			
2-Nitroaniline	0.2216	0.1625 0.2097	0.1685 0.2365	0.1999 0.2447	0.2046	Ave		0.2060				14.0		20.0			
Dimethyl phthalate	0.9915	0.8421 0.9965	0.8814 1.0016	0.9498 1.0024	0.9513	Ave		0.9521			0.0100	6.4		20.0			
2,6-Dinitrotoluene	0.2167	0.1667 0.2165	0.1722 0.2231	0.1968 0.2286	0.2101	Ave		0.2038			0.2000	11.0		20.0			
Acenaphthylene	1.2937 1.3431	1.1956 1.3388	1.2245 1.3461	1.2913 1.3740	1.2994	Ave		1.3007			0.9000	4.5		20.0			
3-Nitroaniline	0.1396	0.1297 0.1430	0.1278 0.1567	0.1353 0.1605	0.1393	Ave		0.1415				8.3		20.0			
2,4-Dinitrophenol	0.0921	0.0869	0.0181 0.1112	0.0640 0.1147	0.0624	QuaF		0.0656	0.0026		0.0100				0.9940		0.9900
Acenaphthene	0.9177	0.8974 0.9092	0.8837 0.9195	0.9198 0.9311	0.9089	Ave		0.9109			0.9000	1.6		20.0			
4-Nitrophenol	0.1595	0.1085 0.1453	0.1120 0.1727	0.1400 0.1684	0.1364	Lin	-0.100	0.1723			0.0100				0.9950		0.9900
2,4-Dinitrotoluene	0.2443	0.1659 0.2430	0.1924 0.2614	0.2277 0.2708	0.2300	Lin	-0.142	0.2718			0.2000				0.9980		0.9900
Dibenzofuran	1.0862	1.0682 1.0609	1.0621 1.0802	1.0754 1.1127	1.0593	Ave		1.0756			0.8000	1.7		20.0			
2,3,4,6-Tetrachlorophenol	0.1774	0.1097 0.1742	0.1327 0.1889	0.1569 0.1967	0.1668	Lin	-0.113	0.1975							0.9970		0.9900
Diethyl phthalate	1.0067	0.8586 1.0336	0.8702 1.0338	0.9494 1.0420	0.9861	Ave		0.9726			0.0100	7.5		20.0			
4-Chlorophenyl phenyl ether	0.4164	0.4132 0.4118	0.3995 0.4310	0.4130 0.4344	0.4064	Ave		0.4157				2.8		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitroaniline	0.1374	0.1385 0.1308	0.1114 0.1596	0.1162 0.1606	0.1086	Lin	-0.136	0.1632							0.9900		0.9900
Fluorene	0.9009	0.8562 0.8872	0.8540 0.9194	0.8950 0.9449	0.8883	Lin1	-0.060	0.9227							0.9990		0.9900
4,6-Dinitro-2-methylphenol	0.0848	0.0305 0.0820	0.0418 0.0944	0.0597 0.0992	0.0660	Lin	-0.105	0.1012							0.9930		0.9900
Diphenylamine	0.4787	0.4319 0.4733	0.4488 0.4847	0.4638 0.4848	0.4677	Ave		0.4667				4.0		20.0			
N-Nitrosodiphenylamine	0.4092	0.3691 0.4045	0.3836 0.4143	0.3964 0.4144	0.3997	Ave		0.3989				4.0		20.0			
1,2-Diphenylhydrazine	0.6687	0.5239 0.6556	0.5578 0.6702	0.6145 0.6779	0.6310	Ave		0.6250				9.1		20.0			
Azobenzene	0.6687	0.5239 0.6556	0.5578 0.6702	0.6145 0.6779	0.6275	Ave		0.6245				9.1		20.0			
Benzophenone	0.5279	0.4008 0.5237	0.4444 0.5191	0.4870 0.5257	0.4976	Ave		0.4908				9.4		20.0			
4-Bromophenyl phenyl ether	0.1494	0.1457 0.1446	0.1408 0.1483	0.1439 0.1470	0.1431	Ave		0.1453			0.1000	2.0		20.0			
Atrazine	0.1475	0.1162 0.1475	0.1302 0.1467	0.1342 0.1479	0.1430	Ave		0.1391				8.2		20.0			
Hexachlorobenzene	0.1584	0.1519 0.1602	0.1533 0.1616	0.1529 0.1609	0.1565	Ave		0.1570			0.1000	2.5		20.0			
Pentachlorophenol	0.0843	0.0549 0.0821	0.0508 0.0899	0.0621 0.0940	0.0736	Lin	-0.072	0.0952			0.0500				0.9960		0.9900
Pentachloronitrobenzene	0.0678	0.0539 0.0698	0.0524 0.0699	0.0611 0.0688	0.0638	Ave		0.0634				11.0		20.0			
Phenanthrene	0.8780 0.7735	0.7497 0.7577	0.7303 0.7680	0.7516 0.7676	0.7490	Ave		0.7695			0.7000	5.6		20.0			
Anthracene	0.7603	0.6803 0.7529	0.6855 0.7716	0.7332 0.7827	0.7455	Ave		0.7390			0.7000	5.1		20.0			
Carbazole	0.5962	0.6393 0.5182	0.5657 0.5220	0.5903 0.4980	0.5728	Ave		0.5628				8.4		20.0			
Di-n-butyl phthalate	1.0301	0.9760 1.0375	0.9250 1.0487	0.9491 1.0422	0.9926	Ave		1.0002			0.0100	4.7		20.0			
Fluoranthene	0.7972	0.7535 0.7951	0.7165 0.8267	0.7508 0.8150	0.7723	Ave		0.7784			0.6000	4.7		20.0			
Benzidine	+++++	+++++	+++++	+++++	0.1226	Ave		0.1226						20.0			
Pyrene	0.9218	0.9561 0.9366	0.9606 0.9189	0.9271 0.9436	0.9802	Ave		0.9431			0.6000	2.3		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.4893	0.4452 0.5055	0.4525 0.5021	0.4830 0.5160	0.5379	Ave		0.4914			0.0100	6.3		20.0			
Bis(2-ethylhexyl) phthalate	0.6710	0.6618 0.6943	0.6177 0.7113	0.5940 0.7329	0.6839	Ave		0.6708			0.0100	6.9		20.0			
3,3'-Dichlorobenzidine	0.1778	0.1821 0.1787	0.1713 0.1857	0.1582 0.1721	0.1826	Ave		0.1761			0.0100	5.0		20.0			
Benzo[a]anthracene	0.8540 0.7485	0.7499 0.7623	0.6778 0.7830	0.7190 0.7874	0.7616	Lin1	-0.012	0.7724							0.9990		0.9900
Chrysene	0.7497	0.7687 0.7455	0.7184 0.7637	0.7361 0.7554	0.7323	Ave		0.7462			0.7000	2.3		20.0			
Di-n-octyl phthalate	1.4555	1.2098 1.5154	1.2629 1.7079	1.1923 2.0523	1.4552	Qua	0.3956	0.9494	0.0530		0.0100				0.9990		0.9900
Benzo[b]fluoranthene	1.0124 1.0340	0.9981 1.0464	0.9282 1.1419	0.9614 1.1798	1.0279	Ave		1.0367			0.7000	7.7		20.0			
Benzo[k]fluoranthene	1.0816 0.9855	0.8978 1.0152	0.8947 1.0257	0.9796 1.1613	0.9744	Ave		1.0017			0.7000	8.4		20.0			
Benzo[a]pyrene	0.9895 0.8619	0.7788 0.8472	0.7059 0.8939	0.7650 0.8873	0.7938	Ave		0.8359			0.7000	10.0		20.0			
Indeno[1,2,3-cd]pyrene	0.7099	0.6043 0.7856	0.4863 0.7085	0.7001 0.6741	0.6714	Ave		0.6675			0.5000	13.0		20.0			
Dibenz(a,h)anthracene	0.5623	0.4311 0.6347	0.3761 0.5805	0.5705 0.5512	0.5453	Lin	-0.005	0.5703			0.4000				0.9940		0.9900
Benzo[g,h,i]perylene	0.5977	0.5384 0.6580	0.4559 0.5878	0.6255 0.5453	0.5854	Ave		0.5742			0.5000	11.0		20.0			
2-Fluorophenol	0.4460	0.4040 0.4193	0.4216 0.4368	0.4100 0.4424	0.4225	Ave		0.4253				3.6		20.0			
Phenol-d5	0.9246	0.8158 0.8891	0.8244 0.9438	0.8515 0.9760	0.9011	Ave		0.8908				6.4		20.0			
Nitrobenzene-d5	0.2264	0.1816 0.1976	0.1837 0.2307	0.2104 0.2328	0.1950	Ave		0.2073				10.0		20.0			
2-Fluorobiphenyl	1.0809	1.0545 1.0618	1.0339 1.0776	1.0580 1.0654	1.0540	Ave		1.0608				1.4		20.0			
2,4,6-Tribromophenol	0.0658	0.0385 0.0652	0.0502 0.0689	0.0568 0.0713	0.0588	Lin	-0.040	0.0720							0.9980		0.9900
Terphenyl-d14	0.6048	0.5967 0.6155	0.6239 0.5985	0.5877 0.6316	0.6251	Ave		0.6105				2.6		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 360-67431/2	B13777.D
Level 2	STD05 360-67431/3	B13778.D
Level 3	STD1 360-67431/4	B13779.D
Level 4	STD25 360-67431/5	B13780.D
Level 5	STD5 360-67431/6	B13781.D
Level 6	STD8 360-67431/7	B13782.D
Level 7	STD10 360-67431/8	B13783.D
Level 8	STD15 360-67431/9	B13784.D
Level 9	STD20 360-67431/10	B13785.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane		Ave	68052	4221 81736	8901 143150	20060 192194	41431	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodimethylamine		Ave	60206	3615 67864	7594 121952	17314 170246	35621	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pyridine		Lin	61625	71590	2737 137454	13073 201222	32729	8.00	10.0	1.00 15.0	2.50 20.0	5.00
Benzaldehyde		Ave	125932	7082 146644	15810 260302	37032 346205	74403	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenol		Ave	178008	10038 208351	22712 379322	53146 519057	107930	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Aniline		Ave	187019	10657 233345	22091 435117	52873 608874	109711	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-chloroethyl)ether		Ave	170288	10279 200724	21684 344849	50202 457320	102825	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Chlorophenol		Ave	197017	11109 231256	25915 420720	57414 570425	118087	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,3-Dichlorobenzene		Ave	241453	14790 287661	31842 500918	72761 678730	149234	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,4-Dichlorobenzene		Ave	240100	15241 280585	31223 495599	72340 676283	147328	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzyl alcohol		Ave	104292	5692 124271	12610 228301	29688 319497	61656	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2-Dichlorobenzene		Ave	232497	14313 272704	30576 481040	71149 649809	138692	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Methylphenol		Ave	147943	9026 178126	18536 323804	44902 439829	91730	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,2'-oxybis[1-chloropropane]		Ave	146862	8517 175532	18335 307774	42525 410401	88941	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol		Ave	164208	9629 196440	20931 355045	48371 490426	99442	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodi-n-propylamine		Ave	52996	2862 64656	6622 113470	14597 154223	30955	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Acetophenone		Ave	220175	12226 260904	27221 461324	65028 635934	131900	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachloroethane		Ave	86993	5255 100684	10818 182142	24758 241973	51085	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Nitrobenzene		Lin1	136666	7711 159401	16925 284294	39595 394692	83525	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Isophorone		Lin1	270688	13674 334680	29965 589717	75580 801367	158216	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dimethylphenol		Ave	148384	9297 181151	18827 325547	44185 445157	90326	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Nitrophenol		Ave	120837	4825 124375	11976 224329	31871 298902	68022	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzoic acid		Qua	72417	354 85057	2871 192490	13823 291539	32320	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-chloroethoxy)methane		Lin1	179277	9793 213400	22706 379628	53256 515732	108664	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dichlorophenol		Lin1	142097	7550 165933	16835 307637	40337 426727	84868	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2,4-Trichlorobenzene		Ave	188265	12178 223246	25287 395263	56846 539468	114458	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Naphthalene		Ave	563282	35346 673352	73960 1179804	172648 1629240	346287	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chloroaniline		Ave	131168	9391 189519	16936 398817	45846 578791	86708	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorobutadiene		Ave	1990 99381	6078 122641	13239 206979	29319 285263	61664	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Caprolactam		Lin	34534	1323 47102	3282 84044	8825 118422	19328	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chloro-3-methylphenol		Ave	119491	6432 148979	14405 269619	34433 374030	70936	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Methylnaphthalene		Ave	354310	20578 427132	45908 758885	107387 1042109	216135	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1-Methylnaphthalene		Ave	369539	22560 452966	47793 784977	112693 1084610	223547	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorocyclopentadiene		Ave	77811	4957 83250	10869 165780	23487 235942	44665	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2,4,5-Tetrachlorobenzene		Ave	157445	10117 195686	20585 340262	49583 469455	95530	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,6-Trichlorophenol		Ave	96435	4959 121289	11405 219002	28506 302504	58454	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4,5-Trichlorophenol		Ave	95961	5007 114920	11693 210388	28616 301650	58578	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,1'-Biphenyl		Ave	422759	25676 522123	53817 932678	129573 1279951	258583	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Chloronaphthalene		Ave	392381	23336 464565	48557 845319	117807 1167120	232986	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Diphenyl oxide		Ave	242227	14694 299817	31453 527923	73044 721503	148046	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Nitroaniline		Ave	87158	3899 103252	8840 201895	24606 286263	50272	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dimethyl phthalate		Ave	390047	20211 490586	46227 855221	116946 1172916	233735	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,6-Dinitrotoluene		Ave	85241	4001 106574	9034 190476	24233 267497	51609	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Acenaphthylene		Ave	9964 528364	28694 659132	64226 1149368	158992 1607633	319257	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
3-Nitroaniline		Ave	54937	3112 70423	6704 133808	16653 187788	34217	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dinitrophenol		QuaF	36216	42803	949 94945	7876 134152	15332	8.00	10.0	1.00 15.0	2.50 20.0	5.00
Acenaphthene		Ave	361024	21537 447637	46349 785160	113251 1089444	223322	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Nitrophenol		Lin	62734	2605 71525	5875 147470	17238 196998	33525	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dinitrotoluene		Lin	96109	3981 119617	10092 223163	28030 316876	56518	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dibenzofuran		Ave	427319	25637 522292	55705 922369	132407 1301996	260274	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,3,4,6-Tetrachlorophenol		Lin	69803	2632 85772	6958 161277	19312 230148	40976	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Diethyl phthalate		Ave	396051	20607 508857	45641 882747	116889 1219222	242282	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chlorophenyl phenyl ether		Ave	163799	9916 202738	20954 367989	50849 508235	99861	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Nitroaniline		Lin	54048	3323 64375	5841 136254	14304 187886	26690	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Fluorene		Lin1	354423	20549 436794	44791 785063	110192 1105562	218251	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4,6-Dinitro-2-methylphenol		Lin	49553	1095 59996	3339 122938	11254 180633	24232	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diphenylamine		Ave	279674	15505 346198	35814 631179	87396 882574	171777	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodiphenylamine		Ave	279674	15505 346198	35814 631179	87396 882574	171777	9.36	0.585 11.7	1.17 17.6	2.93 23.4	5.85
1,2-Diphenylhydrazine		Ave	390683	18809 479563	44518 872649	115790 1234121	231764	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Azobenzene		Ave	390683	18809 479563	44518 872649	115790 1234121	230463	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzophenone		Ave	308391	14388 383068	35468 676018	91773 956974	182769	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Bromophenyl phenyl ether		Ave	87267	5231 105767	11234 193174	27125 267526	52556	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Atrazine		Ave	86166	4173 107878	10387 191001	25297 269253	52512	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorobenzene		Ave	92553	5452 117161	12236 210373	28818 292987	57481	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pentachlorophenol		Lin	49221	1972 60032	4058 117072	11693 171173	27025	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pentachloronitrobenzene		Ave	39584	1934 51027	4185 91019	11515 125276	23445	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenanthrene		Ave	9559 451916	26916 554260	58281 1000038	141624 1397376	275087	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Anthracene		Ave	444194	24425 550693	54707 1004733	138169 1424957	273802	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Carbazole		Ave	348333	22954 379021	45143 679759	111240 906635	210395	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Di-n-butyl phthalate		Ave	601819	35041 758919	73820 1365518	178848 1897348	364559	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Fluoranthene		Ave	465739	27053 581608	57182 1076561	141485 1483602	283655	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzidine		Ave	+++++	+++++	+++++	+++++	45019	+++++	+++++	+++++	+++++	5.00
Pyrene		Ave	464417	27005 589333	57264 1098967	147227 1477721	284576	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Butyl benzyl phthalate		Ave	246521	12573 318083	26974 600494	76697 808064	156154	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-ethylhexyl) phthalate		Ave	338064	18691 436877	36823 850659	94335 1147673	198542	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
3,3'-Dichlorobenzidine		Ave	89565	5143 112429	10213 222141	25124 269543	53022	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[a]anthracene		Lin1	6575 377119	21179 479662	40409 936458	114173 1233102	221120	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67431

SDG No.: 360-31465-1

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

Calibration Start Date: 12/20/2010 15:53 Calibration End Date: 12/20/2010 20:38 Calibration ID: 10902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chrysene		Ave	377729	21712 469085	42828 913347	116900 1182902	212605	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Di-n-octyl phthalate		Qua	521224	22829 686620	47542 1373008	135929 1768782	293581	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[b]fluoranthene		Ave	5078 370297	18835 474116	34944 917956	109612 1016837	207384	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[k]fluoranthene		Ave	5425 352917	16941 459979	33682 824535	111681 1000855	196591	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[a]pyrene		Ave	4963 308644	14696 383861	26576 718647	87217 764738	160152	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Indeno[1,2,3-cd]pyrene		Ave	254219	11404 355939	18309 569612	79814 580946	135455	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dibenz(a,h)anthracene		Lin	201348	8135 287582	14159 466646	65037 475054	110013	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[g,h,i]perylene		Ave	214050	10159 298125	17163 472578	71307 469944	118095	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Fluorophenol		Ave	175448	9697 206417	22111 372931	50478 517654	103801	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenol-d5		Ave	184537	10229 216018	23160 394940	52726 549704	111426	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Nitrobenzene-d5		Ave	165611	8356 173757	18474 356235	47678 485212	88524	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Fluorobiphenyl		Ave	425236	25309 522740	54229 920136	130268 1246643	258974	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4,6-Tribromophenol		Lin	38464	1384 47704	4005 89743	10697 129882	21607	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Terphenyl-d14		Ave	304734	16854 387297	37193 715833	93330 989052	181487	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13777.D		
Lims ID:	STD02	Client ID:	
Inject. Date:	20-Dec-2010 15:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	0.2 PPM CAL STD		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	67431	Lims Sample ID:	2
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		

First Level Reviewer: testerc Date: 21-Dec-2010 14:28:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.676	9.676	0.0	91	87576	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	306771	4.00	
* 3 Acenaphthene-d10	164	13.412	13.412	0.0	92	154039	4.00	
* 4 Phenanthrene-d10	188	14.946	14.946	0.0	96	217747	4.00	
* 5 Chrysene-d12	240	17.692	17.692	0.0	78	153980	4.00	
* 6 Perylene-d12	264	20.342	20.347	-0.004	96	100312	4.00	
$ 7 2-Fluorophenol	112	8.002	8.002	0.0	83	3825	0.2335	
$ 8 Phenol-d5	99	9.137	9.137	0.0	89	3589	0.1840	
$ 9 Nitrobenzene-d5	82	10.378	10.368	0.010	70	3192	0.2008	
$ 10 2-Fluorobiphenyl	172	12.595	12.600	-0.005	97	9357	0.2291	
$ 11 2,4,6-Tribromophenol	330	14.244	14.244	0.0	0	675	0.7228	A
$ 12 Terphenyl-d14	244	16.379	16.379	0.0	96	5577	0.2373	
14 1,4-Dioxane	88	5.641	5.632	0.009	76	2570	0.3513	
15 N-Nitrosodimethylamine	42	6.141	6.122	0.019	83	1267	0.2012	
17 Benzaldehyde	105	9.133	9.132	0.001	37	2787	0.2122	
18 Phenol	94	9.157	9.152	0.005	95	3361	0.1775	
19 Aniline	93	9.262	9.253	0.009	97	3570	0.1764	
20 Bis(2-chloroethyl)ether	93	9.301	9.296	0.005	85	4476	0.2497	
21 2-Chlorophenol	128	9.411	9.411	0.0	93	4083	0.1951	
23 1,3-Dichlorobenzene	146	9.613	9.613	0.0	95	5507	0.2120	
22 1,4-Dichlorobenzene	146	9.695	9.700	-0.005	62	5763	0.2233	
24 Benzyl alcohol	79	9.815	9.810	0.005	77	2121	0.1924	
25 1,2-Dichlorobenzene	146	9.907	9.902	0.005	95	5303	0.2131	
26 2-Methylphenol	108	9.921	9.921	0.0	89	3354	0.2086	
27 2,2'-oxybis[1-chloropropane]	45	9.969	9.969	0.0	75	3218	0.2077	
28 3 & 4 Methylphenol	107	10.099	10.099	0.0	82	3677	0.2083	
29 N-Nitrosodi-n-propylamine	42	10.133	10.128	0.005	78	806	0.1453	
30 Acetophenone	105	10.162	10.157	0.005	74	4509	0.1945	
31 Hexachloroethane	117	10.335	10.335	0.0	77	2110	0.2314	
32 Nitrobenzene	77	10.397	10.392	0.005	61	2418	0.2482	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
33 Isophorone	82	10.676	10.671	0.005	96	5302	0.3600	
35 2,4-Dimethylphenol	107	10.782	10.777	0.005	94	3129	0.2019	
34 2-Nitrophenol	139	10.801	10.796	0.005	51	1673	0.1573	
37 Bis(2-chloroethoxy)methane	93	10.902	10.902	0.0	93	4036	0.2961	
38 2,4-Dichlorophenol	162	11.075	11.080	-0.005	60	2698	0.3220	
39 1,2,4-Trichlorobenzene	180	11.205	11.205	0.0	86	4366	0.2227	
41 Naphthalene	128	11.321	11.320	0.001	97	12809	0.2187	
42 4-Chloroaniline	127	11.364	11.359	0.005	82	3086	0.1897	
43 Hexachlorobutadiene	225	11.450	11.450	0.0	88	1990	0.1938	
45 4-Chloro-3-methylphenol	107	11.917	11.921	-0.004	80	2151	0.1756	
46 2-Methylnaphthalene	142	12.186	12.181	0.005	90	7895	0.2159	
47 1-Methylnaphthalene	142	12.311	12.311	0.0	88	7609	0.1982	
48 Hexachlorocyclopentadiene	237	12.374	12.369	0.005	74	1522	0.2041	
49 1,2,4,5-Tetrachlorobenzene	216	12.388	12.388	0.0	92	3477	0.2088	
50 2,4,6-Trichlorophenol	196	12.508	12.508	0.0	63	1831	0.2002	
51 2,4,5-Trichlorophenol	196	12.556	12.556	0.0	60	1398	0.1542	
52 1,1'-Biphenyl	154	12.730	12.725	0.005	87	8695	0.2120	
53 2-Chloronaphthalene	162	12.778	12.777	0.001	94	7647	0.2055	
54 Phenyl ether	170	12.840	12.840	0.0	86	5331	0.2106	
55 2-Nitroaniline	138	12.874	12.874	0.0	67	1428	0.1800	
56 Dimethyl phthalate	163	13.028	13.032	-0.004	99	7129	0.1944	
58 Acenaphthylene	152	13.263	13.263	0.0	97	9964	0.1989	
59 3-Nitroaniline	138	13.335	13.330	0.005	30	764	0.1402	
61 Acenaphthene	153	13.446	13.451	-0.005	75	7656	0.2182	
62 4-Nitrophenol	139	13.451	13.455	-0.004	0	570	0.6647	A
63 2,4-Dinitrotoluene	165	13.576	13.576	0.0	72	1243	0.6407	
57 2,6-Dinitrotoluene	165	13.124	13.576	-0.452	73	1113	0.1418	
64 Dibenzofuran	168	13.629	13.633	-0.004	96	8632	0.2084	
65 2,3,4,6-Tetrachlorophenol	232	13.710	13.701	0.009	0	634	0.6561	
66 Diethyl phthalate	149	13.783	13.787	-0.004	96	7053	0.1883	
67 4-Chlorophenyl phenyl ether	204	13.956	13.956	0.0	85	3394	0.2120	
68 4-Nitroaniline	138	13.994	13.994	0.0	0	904	0.9791	A
69 Fluorene	166	13.994	13.999	-0.005	91	6972	0.2610	
72 N-Nitrosodiphenylamine	169	14.071	14.076	-0.005	57	4939	0.2275	
71 Diphenylamine	169	14.071	14.076	-0.005	0	4939	0.1944	
73 1,2-Diphenylhydrazine	77	14.124	14.124	0.0	1	5952	0.1750	
74 Azobenzene	77	14.124	14.124	0.0	87	5952	0.1751	
13 Benzophenone	105	14.134	14.138	-0.004	92	4683	0.1753	
75 4-Bromophenyl phenyl ether	248	14.461	14.461	0.0	37	1760	0.2224	
77 Atrazine	200	14.557	14.562	-0.005	63	1505	0.1987	
76 Hexachlorobenzene	284	14.566	14.566	0.0	85	1872	0.2191	
79 Pentachloronitrobenzene	237	14.759	14.759	0.0	45	736	0.2131	
80 Phenanthrene	178	14.966	14.970	-0.004	80	9559	0.2282	
81 Anthracene	178	15.018	15.018	0.0	98	8598	0.2137	
83 Carbazole	167	15.148	15.148	0.0	96	7186	0.2345	
84 Di-n-butyl phthalate	149	15.360	15.365	-0.005	100	14026	0.2576	
87 Fluoranthene	202	16.081	16.086	-0.005	98	8182	0.1931	
86 Benzidine	184	16.149	16.153	-0.004	98	7428	1.11	
85 Pyrene	202	16.317	16.322	-0.005	98	9226	0.2541	
89 Butyl benzyl phthalate	149	16.807	16.812	-0.005	86	4228	0.2235	
92 Bis(2-ethylhexyl) phthalate	149	17.413	17.413	0.0	90	30955	1.20	
91 3,3'-Dichlorobenzidine	252	17.553	17.557	-0.004	0	2007	0.2961	A

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
93 Benzo[a]anthracene	228	17.673	17.673	0.0	40	6575	0.2368	A
94 Chrysene	228	17.726	17.731	-0.005	72	6566	0.2286	
95 Di-n-octyl phthalate	149	18.346	18.351	-0.005	98	7123	-0.1183	
97 Benzo[b]fluoranthene	252	19.481	19.486	-0.005	91	5078	0.1953	M
98 Benzo[k]fluoranthene	252	19.529	19.539	-0.010	99	5425	0.2159	
99 Benzo[a]pyrene	252	20.212	20.217	-0.005	60	4963	0.2367	
100 Indeno[1,2,3-cd]pyrene	276	23.328	23.338	-0.010	1	3247	0.1940	M
101 Dibenz(a,h)anthracene	278	23.333	23.342	-0.009	78	3096	0.2255	
102 Benzo[g,h,i]perylene	276	24.299	24.299	0.0	76	3493	0.2426	

QC Flag Legend

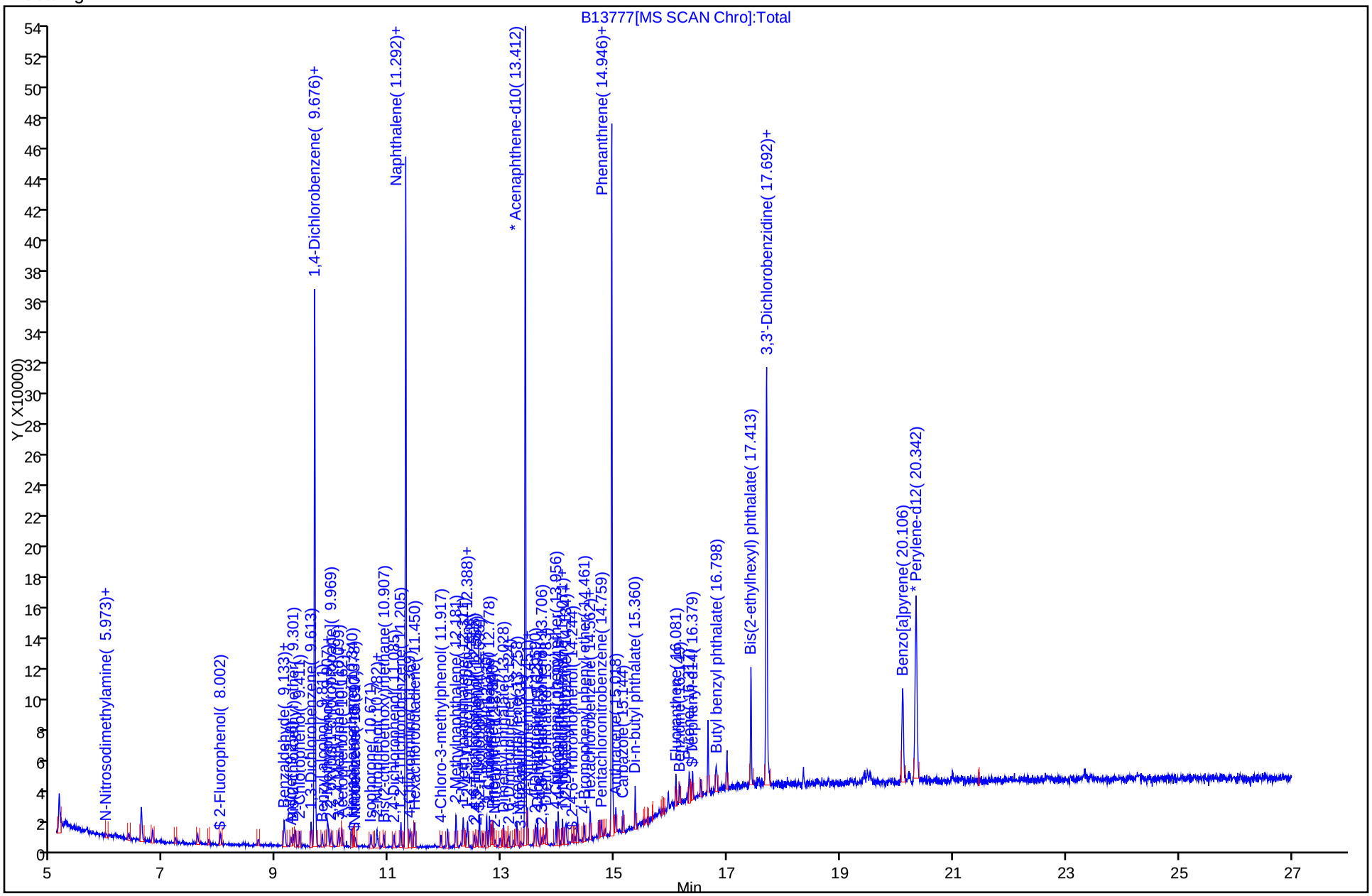
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Dec-2010 14:28:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13777.D

Injection Date:	20-Dec-2010 15:53:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



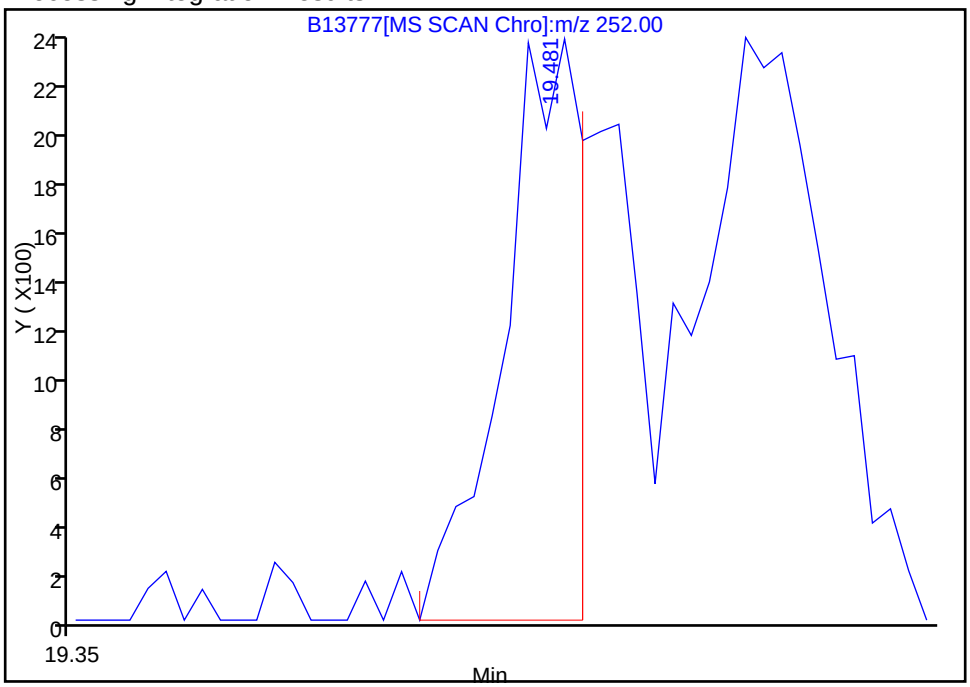
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13777.D		
Injection Date:	20-Dec-2010 15:53:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.49

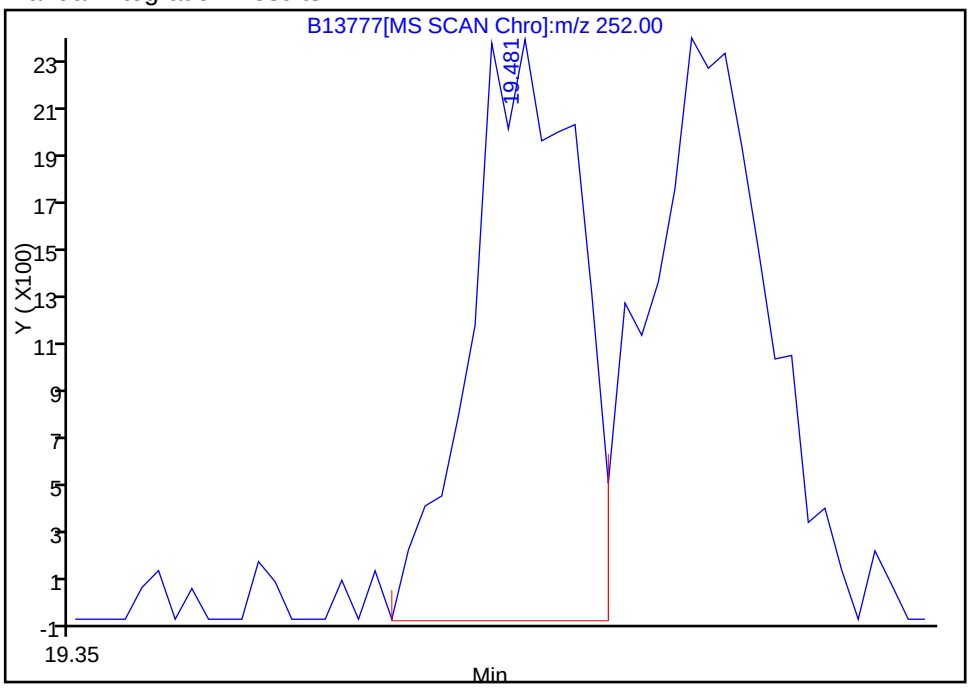
Processing Integration Results

RT: 19.48
Response: 3384
Amount: 0.135052



Manual Integration Results

RT: 19.48
Response: 5078
Amount: 0.195321



Reviewer: testerc, 21-Dec-2010 09:48:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

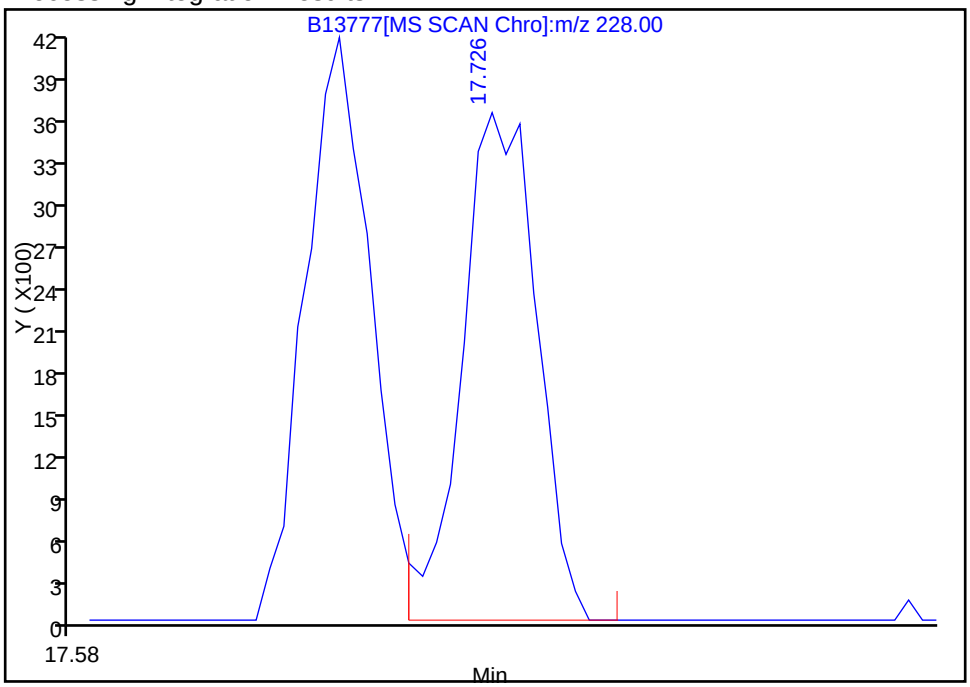
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13777.D		
Injection Date:	20-Dec-2010 15:53:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.67

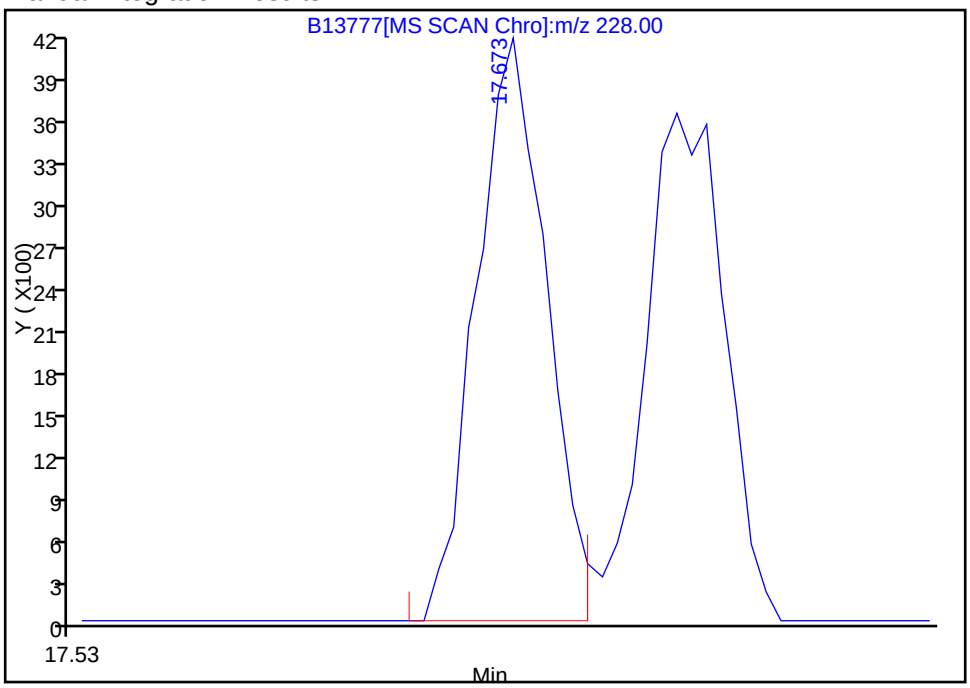
Processing Integration Results

RT: 17.73
Response: 6566
Amount: 0.236649



Manual Integration Results

RT: 17.67
Response: 6575
Amount: 0.236765



Reviewer: testerc, 21-Dec-2010 09:48:27
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13778.D
Lims ID: STD05 Client ID:
Inject. Date: 20-Dec-2010 16:29:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 0.5 PPM CAL STD
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 5
Lims Batch ID: 67431 Lims Sample ID: 3
Sublist: chrom-8270B*sub19
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 14:28:25 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 21-Dec-2010 14:28:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.679	9.676	0.003	92	100304	4.00	
* 2 Naphthalene-d8	136	11.290	11.292	-0.002	99	368169	4.00	
* 3 Acenaphthene-d10	164	13.411	13.412	-0.001	90	192002	4.00	
* 4 Phenanthrene-d10	188	14.945	14.946	-0.001	95	287220	4.00	
* 5 Chrysene-d12	240	17.695	17.692	0.003	96	225951	4.00	
* 6 Perylene-d12	264	20.350	20.347	0.004	95	150964	4.00	
$ 7 2-Fluorophenol	112	8.006	8.002	0.004	84	9697	0.4750	
$ 8 Phenol-d5	99	9.136	9.137	-0.001	87	10229	0.4579	
$ 9 Nitrobenzene-d5	82	10.367	10.368	-0.001	77	8356	0.4380	
$ 10 2-Fluorobiphenyl	172	12.598	12.600	-0.002	100	25309	0.4970	
$ 11 2,4,6-Tribromophenol	330	14.247	14.244	0.003	71	1384	0.8183	
$ 12 Terphenyl-d14	244	16.383	16.379	0.004	97	16854	0.4887	
14 1,4-Dioxane	88	5.644	5.632	0.012	84	4221	0.5037	
15 N-Nitrosodimethylamine	42	6.130	6.122	0.008	64	3615	0.5012	
17 Benzaldehyde	105	9.136	9.132	0.004	62	7082	0.4708	
18 Phenol	94	9.155	9.152	0.003	97	10038	0.4629	
19 Aniline	93	9.256	9.253	0.003	98	10657	0.4597	
20 Bis(2-chloroethyl)ether	93	9.299	9.296	0.003	98	10279	0.5007	
21 2-Chlorophenol	128	9.415	9.411	0.004	89	11109	0.4634	
23 1,3-Dichlorobenzene	146	9.617	9.613	0.004	97	14790	0.4971	
22 1,4-Dichlorobenzene	146	9.698	9.700	-0.002	95	15241	0.5156	
24 Benzyl alcohol	79	9.809	9.810	-0.001	97	5692	0.4508	
25 1,2-Dichlorobenzene	146	9.900	9.902	-0.002	98	14313	0.5023	
26 2-Methylphenol	108	9.919	9.921	-0.002	89	9026	0.4901	
27 2,2'-oxybis[1-chloropropane]	45	9.968	9.969	-0.001	80	8517	0.4800	
28 3 & 4 Methylphenol	107	10.097	10.099	-0.002	92	9629	0.4763	
29 N-Nitrosodi-n-propylamine	42	10.136	10.128	0.008	76	2862	0.4505	
30 Acetophenone	105	10.160	10.157	0.003	79	12226	0.4605	
31 Hexachloroethane	117	10.333	10.335	-0.002	87	5255	0.5031	
32 Nitrobenzene	77	10.391	10.392	-0.001	79	7711	0.5278	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
33 Isophorone	82	10.674	10.671	0.003	96	13674	0.5673	
35 2,4-Dimethylphenol	107	10.780	10.777	0.003	85	9297	0.4999	
34 2-Nitrophenol	139	10.800	10.796	0.004	55	4825	0.3779	
36 Benzoic acid	105	10.785	10.820	-0.035	36	354	0.6714	M
37 Bis(2-chloroethoxy)methane	93	10.900	10.902	-0.002	93	9793	0.5140	
38 2,4-Dichlorophenol	162	11.083	11.080	0.003	83	7550	0.5565	
39 1,2,4-Trichlorobenzene	180	11.208	11.205	0.003	88	12178	0.5175	
41 Naphthalene	128	11.319	11.320	-0.001	98	35346	0.5028	
42 4-Chloroaniline	127	11.362	11.359	0.003	81	9391	0.4811	
43 Hexachlorobutadiene	225	11.449	11.450	-0.001	91	6078	0.4932	
44 Caprolactam	55	11.780	11.777	0.003	71	1323	1.03	
45 4-Chloro-3-methylphenol	107	11.920	11.921	-0.001	91	6432	0.4374	
46 2-Methylnaphthalene	142	12.184	12.181	0.003	85	20578	0.4688	
47 1-Methylnaphthalene	142	12.309	12.311	-0.002	85	22560	0.4897	
48 Hexachlorocyclopentadiene	237	12.372	12.369	0.003	88	4957	0.5333	
49 1,2,4,5-Tetrachlorobenzene	216	12.386	12.388	-0.002	96	10117	0.5062	
50 2,4,6-Trichlorophenol	196	12.507	12.508	-0.001	80	4959	0.4350	
51 2,4,5-Trichlorophenol	196	12.550	12.556	-0.006	83	5007	0.4429	
52 1,1'-Biphenyl	154	12.728	12.725	0.003	91	25676	0.5021	
53 2-Chloronaphthalene	162	12.776	12.777	-0.001	96	23336	0.5030	
54 Phenyl ether	170	12.838	12.840	-0.002	89	14694	0.4836	
55 2-Nitroaniline	138	12.877	12.874	0.003	64	3899	0.3944	
56 Dimethyl phthalate	163	13.031	13.032	-0.001	99	20211	0.4423	
58 Acenaphthylene	152	13.262	13.263	-0.001	97	28694	0.4596	
59 3-Nitroaniline	138	13.329	13.330	-0.001	86	3112	0.4582	
61 Acenaphthene	153	13.449	13.451	-0.002	79	21537	0.4926	
62 4-Nitrophenol	139	13.454	13.455	-0.001	10	2605	0.8938	
63 2,4-Dinitrotoluene	165	13.574	13.576	-0.002	97	3981	0.8271	
57 2,6-Dinitrotoluene	165	13.122	13.576	-0.454	84	4001	0.4089	
64 Dibenzofuran	168	13.632	13.633	-0.001	95	25637	0.4965	
65 2,3,4,6-Tetrachlorophenol	232	13.704	13.701	0.003	0	2632	0.8503	
66 Diethyl phthalate	149	13.786	13.787	-0.001	98	20607	0.4414	
67 4-Chlorophenyl phenyl ether	204	13.954	13.956	-0.002	87	9916	0.4969	
68 4-Nitroaniline	138	13.993	13.994	-0.001	17	3323	1.26	
69 Fluorene	166	13.997	13.999	-0.002	90	20549	0.5288	
70 4,6-Dinitro-2-methylphenol	198	14.017	14.009	0.009	52	1095	1.19	
72 N-Nitrosodiphenylamine	169	14.074	14.076	-0.002	56	15505	0.5413	
71 Diphenylamine	169	14.074	14.076	-0.002	0	15505	0.4627	
73 1,2-Diphenylhydrazine	77	14.122	14.124	-0.002	1	18809	0.4191	
74 Azobenzene	77	14.122	14.124	-0.002	90	18809	0.4194	
13 Benzophenone	105	14.137	14.138	-0.001	92	14388	0.4083	
75 4-Bromophenyl phenyl ether	248	14.459	14.461	-0.002	58	5231	0.5012	
77 Atrazine	200	14.560	14.562	-0.002	71	4173	0.4177	
76 Hexachlorobenzene	284	14.570	14.566	0.004	82	5452	0.4837	
78 Pentachlorophenol	266	14.748	14.744	0.004	65	1972	1.05	
79 Pentachloronitrobenzene	237	14.757	14.759	-0.002	74	1934	0.4246	
80 Phenanthrene	178	14.969	14.970	-0.001	98	26916	0.4871	
81 Anthracene	178	15.017	15.018	-0.001	97	24425	0.4603	
83 Carbazole	167	15.147	15.148	-0.001	79	22954	0.5680	
84 Di-n-butyl phthalate	149	15.363	15.365	-0.002	100	35041	0.4879	
87 Fluoranthene	202	16.084	16.086	-0.002	97	27053	0.4840	
86 Benzidine	184	16.152	16.153	-0.001	100	5758	0.6542	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
85 Pyrene	202	16.320	16.322	-0.002	96	27005	0.5069	
89 Butyl benzyl phthalate	149	16.811	16.812	-0.002	91	12573	0.4529	
92 Bis(2-ethylhexyl) phthalate	149	17.416	17.413	0.003	92	18691	0.4932	
91 3,3'-Dichlorobenzidine	252	17.561	17.557	0.004	30	5143	0.5171	
93 Benzo[a]anthracene	228	17.676	17.673	0.003	68	21179	0.5010	
94 Chrysene	228	17.734	17.731	0.003	95	21712	0.5151	
95 Di-n-octyl phthalate	149	18.349	18.351	-0.002	97	22829	0.2178	
97 Benzo[b]fluoranthene	252	19.489	19.486	0.003	97	18835	0.4814	
98 Benzo[k]fluoranthene	252	19.542	19.539	0.003	93	16941	0.4481	
99 Benzo[a]pyrene	252	20.220	20.217	0.003	77	14696	0.4658	
100 Indeno[1,2,3-cd]pyrene	276	23.350	23.338	0.012	92	11404	0.4527	
101 Dibenz(a,h)anthracene	278	23.341	23.342	-0.001	65	8135	0.3870	
102 Benzo[g,h,i]perylene	276	24.307	24.299	0.008	90	10159	0.4688	

QC Flag Legend

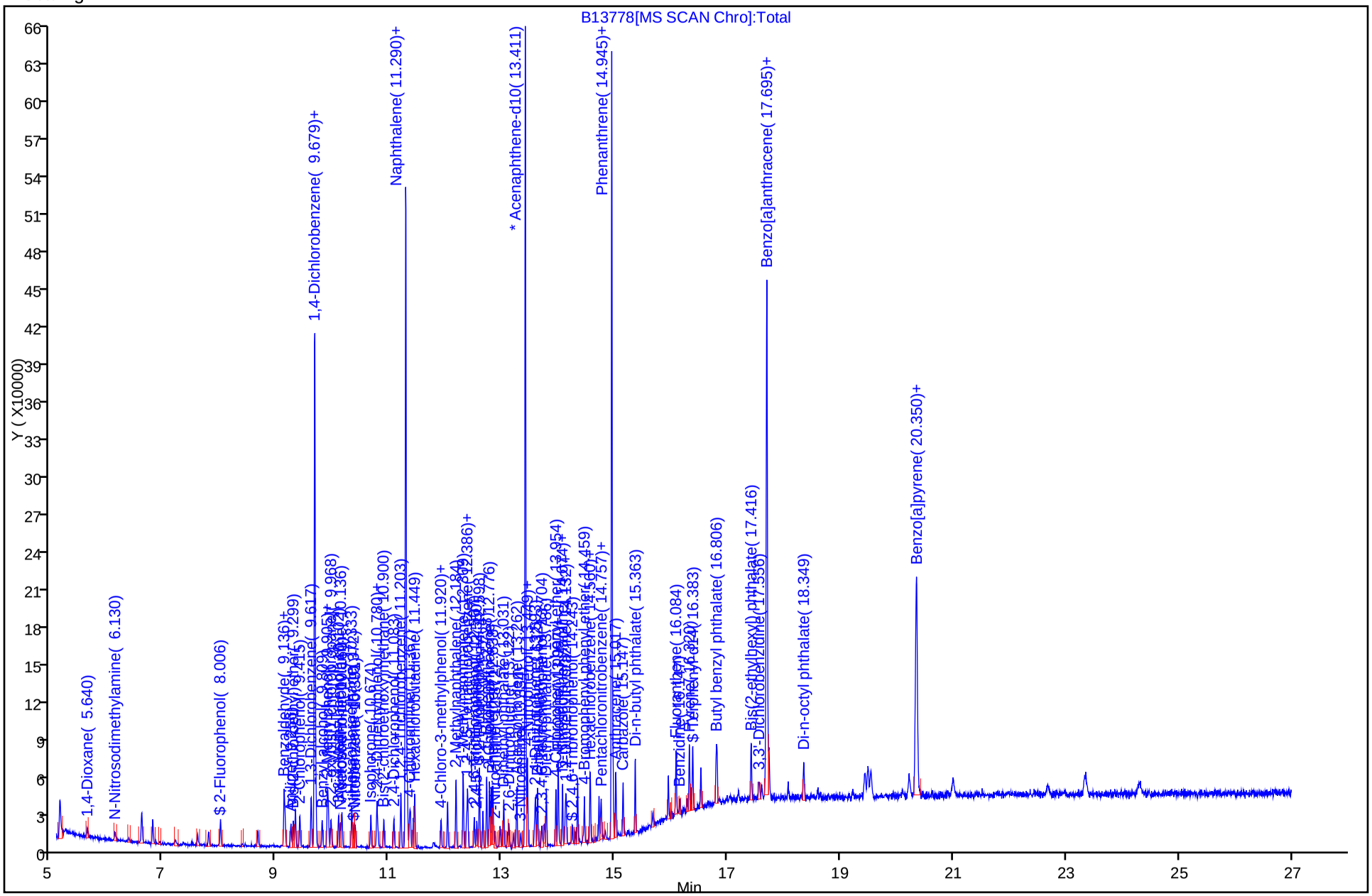
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 14:28:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13778.D

Injection Date:	20-Dec-2010 16:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:28:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

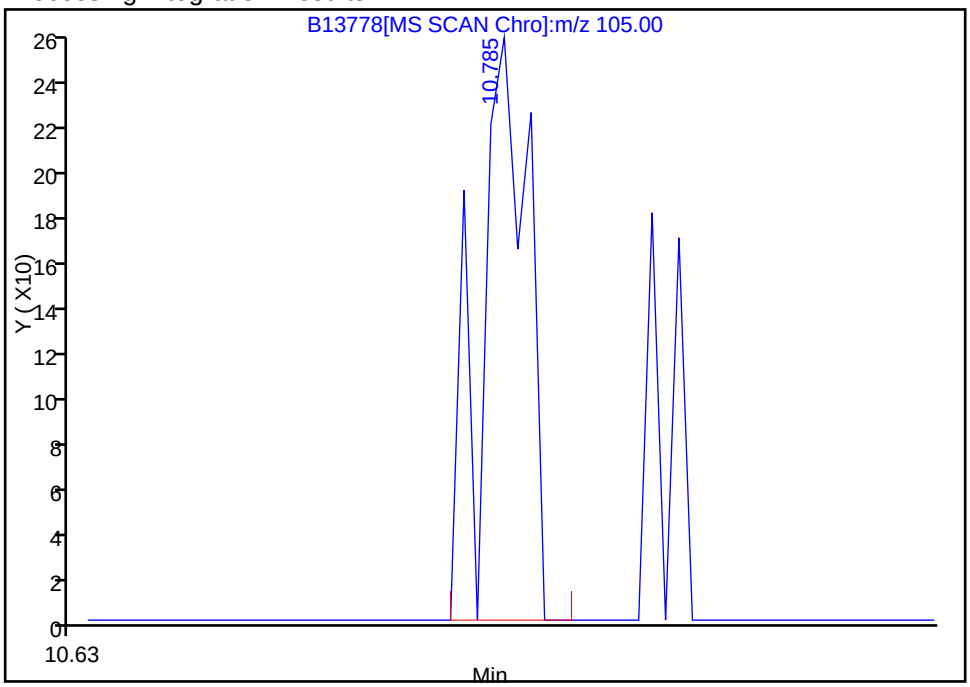
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13778.D		
Injection Date:	20-Dec-2010 16:29:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

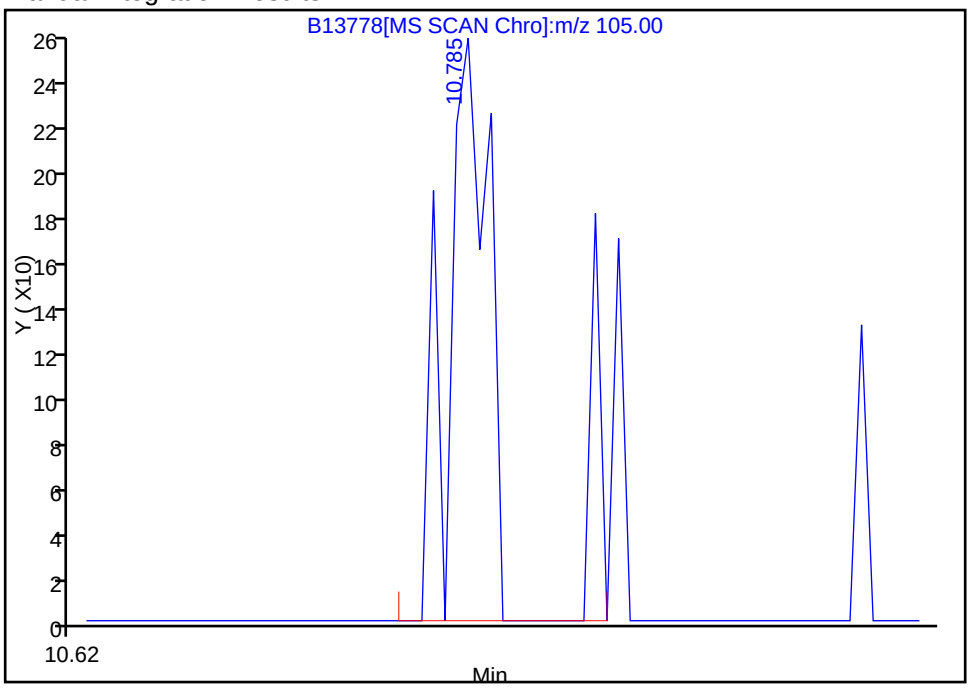
Processing Integration Results

RT: 10.79
Response: 303
Amount: 0.056251



Manual Integration Results

RT: 10.79
Response: 354
Amount: 0.671439



Reviewer: testerc, 21-Dec-2010 09:45:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13779.D
Lims ID: STD1 Client ID:
Inject. Date: 20-Dec-2010 17:05:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 1.0 PPM CAL STD
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 6
Lims Batch ID: 67431 Lims Sample ID: 4
Sublist: chrom-8270B*sub19
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 14:28:25 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 21-Dec-2010 14:28:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.676	9.676	0.0	92	112366	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	402196	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	91	209800	4.00	
* 4 Phenanthrene-d10	188	14.947	14.946	0.001	96	319215	4.00	
* 5 Chrysene-d12	240	17.693	17.692	0.001	77	238456	4.00	
* 6 Perylene-d12	264	20.347	20.347	0.001	96	150584	4.00	
$ 7 2-Fluorophenol	112	8.008	8.002	0.006	81	22111	0.99	
$ 8 Phenol-d5	99	9.138	9.137	0.001	86	23160	0.9255	
$ 9 Nitrobenzene-d5	82	10.369	10.368	0.001	79	18474	0.8864	
$ 10 2-Fluorobiphenyl	172	12.595	12.600	-0.005	100	54229	0.9747	
$ 11 2,4,6-Tribromophenol	330	14.250	14.244	0.006	87	4005	1.25	
$ 12 Terphenyl-d14	244	16.380	16.379	0.001	98	37193	1.02	
14 1,4-Dioxane	88	5.651	5.632	0.019	75	8901	0.9482	
15 N-Nitrosodimethylamine	42	6.137	6.122	0.015	89	7594	0.9398	
16 Pyridine	52	6.349	6.194	0.155	0	2737	1.50	M
17 Benzaldehyde	105	9.133	9.132	0.001	65	15810	0.9382	
18 Phenol	94	9.157	9.152	0.005	95	22712	0.9350	
19 Aniline	93	9.253	9.253	0.0	98	22091	0.8506	
20 Bis(2-chloroethyl)ether	93	9.297	9.296	0.001	94	21684	0.9428	
21 2-Chlorophenol	128	9.417	9.411	0.006	87	25915	0.9650	
23 1,3-Dichlorobenzene	146	9.614	9.613	0.001	98	31842	0.9554	
22 1,4-Dichlorobenzene	146	9.700	9.700	0.0	97	31223	0.9429	
24 Benzyl alcohol	79	9.811	9.810	0.001	91	12610	0.8916	
25 1,2-Dichlorobenzene	146	9.902	9.902	0.0	99	30576	0.9578	
26 2-Methylphenol	108	9.917	9.921	-0.004	89	18536	0.8984	
27 2,2'-oxybis[1-chloropropane]	45	9.965	9.969	-0.004	85	18335	0.9224	
28 3 & 4 Methylphenol	107	10.100	10.099	0.001	93	20931	0.9243	
29 N-Nitrosodi-n-propylamine	42	10.133	10.128	0.005	78	6622	0.9305	
30 Acetophenone	105	10.157	10.157	0.0	81	27221	0.9153	
31 Hexachloroethane	117	10.335	10.335	0.0	87	10818	0.9245	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.398	10.392	0.006	78	16925	0.9804	
33 Isophorone	82	10.672	10.671	0.001	96	29965	0.9573	
35 2,4-Dimethylphenol	107	10.782	10.777	0.005	90	18827	0.9266	
34 2-Nitrophenol	139	10.792	10.796	-0.004	90	11976	0.8586	
36 Benzoic acid	105	10.806	10.820	-0.014	0	2871	1.00	M
37 Bis(2-chloroethoxy)methane	93	10.903	10.902	0.001	93	22706	1.00	
38 2,4-Dichlorophenol	162	11.081	11.080	0.001	87	16835	0.9840	
39 1,2,4-Trichlorobenzene	180	11.206	11.205	0.001	93	25287	0.9837	
41 Naphthalene	128	11.321	11.320	0.001	97	73960	0.9631	
42 4-Chloroaniline	127	11.360	11.359	0.001	96	16936	0.7942	
43 Hexachlorobutadiene	225	11.451	11.450	0.001	94	13239	0.9834	
44 Caprolactam	55	11.773	11.777	-0.004	79	3282	1.35	
45 4-Chloro-3-methylphenol	107	11.917	11.921	-0.004	91	14405	0.8967	
46 2-Methylnaphthalene	142	12.182	12.181	0.001	91	45908	0.9573	
47 1-Methylnaphthalene	142	12.312	12.311	0.001	92	47793	0.9496	
48 Hexachlorocyclopentadiene	237	12.369	12.369	0.0	95	10869	1.07	
49 1,2,4,5-Tetrachlorobenzene	216	12.389	12.388	0.001	97	20585	0.9428	
50 2,4,6-Trichlorophenol	196	12.509	12.508	0.001	88	11405	0.9155	
51 2,4,5-Trichlorophenol	196	12.552	12.556	-0.004	93	11693	0.9467	
52 1,1'-Biphenyl	154	12.725	12.725	0.0	92	53817	0.9632	
53 2-Chloronaphthalene	162	12.778	12.777	0.001	95	48557	0.9579	
54 Phenyl ether	170	12.841	12.840	0.001	85	31453	0.9476	
55 2-Nitroaniline	138	12.874	12.874	0.0	73	8840	0.8182	
56 Dimethyl phthalate	163	13.028	13.032	-0.004	99	46227	0.9257	
58 Acenaphthylene	152	13.264	13.263	0.001	97	64226	0.9414	
59 3-Nitroaniline	138	13.326	13.330	-0.004	81	6704	0.9034	
60 2,4-Dinitrophenol	184	13.442	13.441	0.001	0	949	0.2728	A
61 Acenaphthene	153	13.447	13.451	-0.004	80	46349	0.9701	
62 4-Nitrophenol	139	13.456	13.455	0.001	0	5875	1.23	A
63 2,4-Dinitrotoluene	165	13.576	13.576	0.0	93	10092	1.23	
57 2,6-Dinitrotoluene	165	13.120	13.576	-0.456	83	9034	0.8450	
64 Dibenzofuran	168	13.629	13.633	-0.004	95	55705	0.9874	
65 2,3,4,6-Tetrachlorophenol	232	13.701	13.701	0.0	0	6958	1.24	
66 Diethyl phthalate	149	13.788	13.787	0.001	98	45641	0.8947	
67 4-Chlorophenyl phenyl ether	204	13.956	13.956	0.0	87	20954	0.9610	
68 4-Nitroaniline	138	13.990	13.994	-0.004	24	5841	1.52	
69 Fluorene	166	13.995	13.999	-0.004	80	44791	0.99	
70 4,6-Dinitro-2-methylphenol	198	14.014	14.009	0.006	51	3339	1.45	
72 N-Nitrosodiphenylamine	169	14.072	14.076	-0.004	51	35814	1.13	
71 Diphenylamine	169	14.072	14.076	-0.004	0	35814	0.9616	
73 1,2-Diphenylhydrazine	77	14.125	14.124	0.001	1	44518	0.8926	
74 Azobenzene	77	14.125	14.124	0.001	88	44518	0.8932	
13 Benzophenone	105	14.134	14.138	-0.004	93	35468	0.9056	
75 4-Bromophenyl phenyl ether	248	14.461	14.461	0.0	57	11234	0.9685	
77 Atrazine	200	14.557	14.562	-0.005	75	10387	0.9354	
76 Hexachlorobenzene	284	14.567	14.566	0.001	86	12236	0.9768	
78 Pentachlorophenol	266	14.740	14.744	-0.004	81	4058	1.29	
79 Pentachloronitrobenzene	237	14.759	14.759	0.0	83	4185	0.8267	
80 Phenanthrene	178	14.966	14.970	-0.004	97	58281	0.9491	
81 Anthracene	178	15.019	15.018	0.001	96	54707	0.9276	
83 Carbazole	167	15.144	15.148	-0.004	81	45143	1.01	
84 Di-n-butyl phthalate	149	15.360	15.365	-0.005	100	73820	0.9249	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.087	16.086	0.001	98	57182	0.9205	
86 Benzidine	184	16.149	16.153	-0.004	99	8813	0.9010	
85 Pyrene	202	16.322	16.322	0.0	98	57264	1.02	
89 Butyl benzyl phthalate	149	16.808	16.812	-0.004	92	26974	0.9208	
92 Bis(2-ethylhexyl) phthalate	149	17.419	17.413	0.006	90	36823	0.9208	
91 3,3'-Dichlorobenzidine	252	17.558	17.557	0.001	53	10213	0.9730	
93 Benzo[a]anthracene	228	17.678	17.673	0.005	69	40409	0.8932	
94 Chrysene	228	17.731	17.731	0.0	94	42828	0.9627	
95 Di-n-octyl phthalate	149	18.352	18.351	0.001	98	47542	0.8711	
97 Benzo[b]fluoranthene	252	19.486	19.486	0.0	97	34944	0.8954	
98 Benzo[k]fluoranthene	252	19.539	19.539	0.0	97	33682	0.8931	
99 Benzo[a]pyrene	252	20.217	20.217	0.0	73	26576	0.8445	
100 Indeno[1,2,3-cd]pyrene	276	23.333	23.338	-0.005	90	18309	0.7286	
101 Dibenz(a,h)anthracene	278	23.353	23.342	0.011	68	14159	0.6685	
102 Benzo[g,h,i]perylene	276	24.295	24.299	-0.004	92	17163	0.7939	

QC Flag Legend

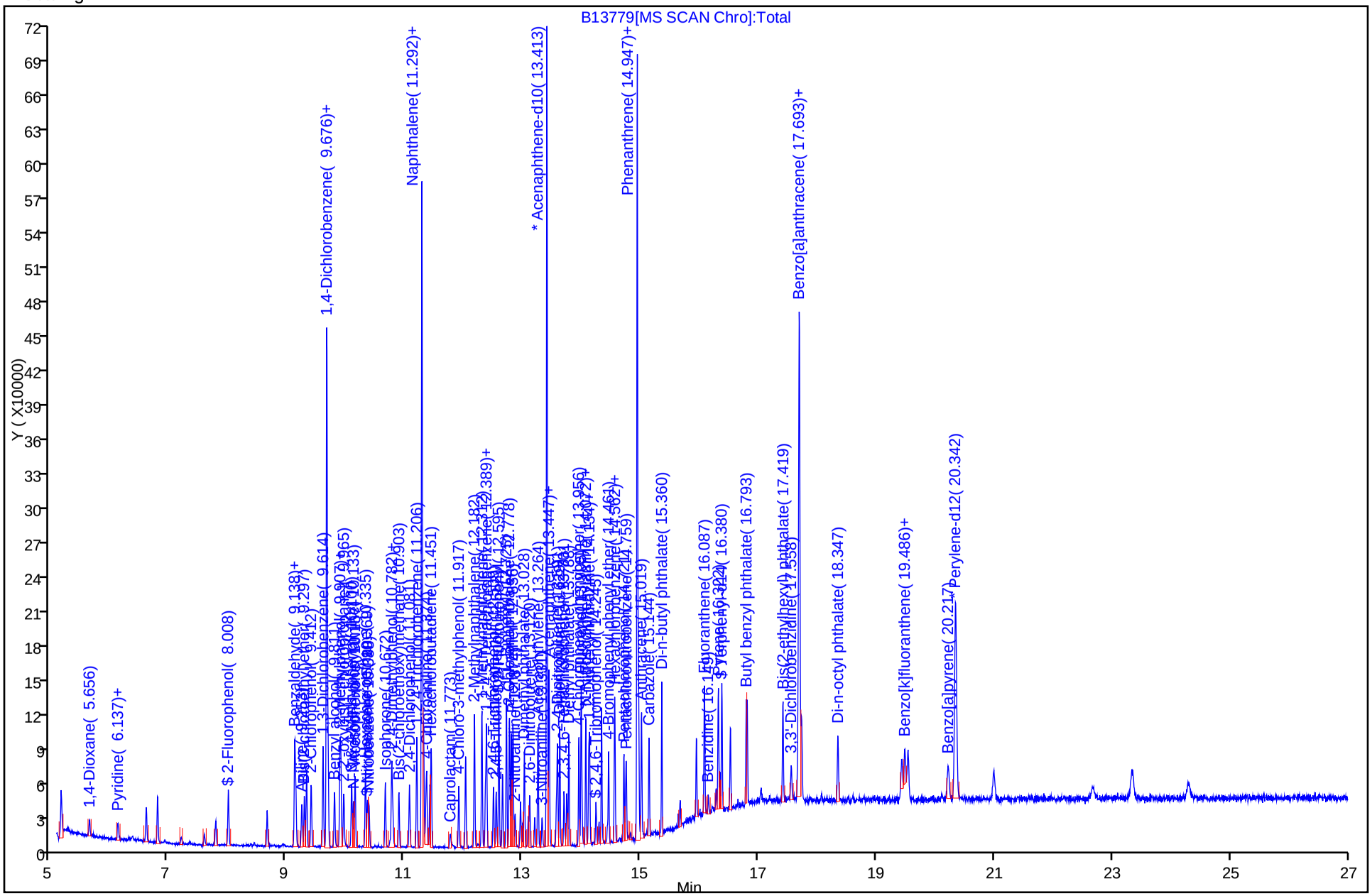
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Dec-2010 14:28:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13779.D

Injection Date:	20-Dec-2010 17:05:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



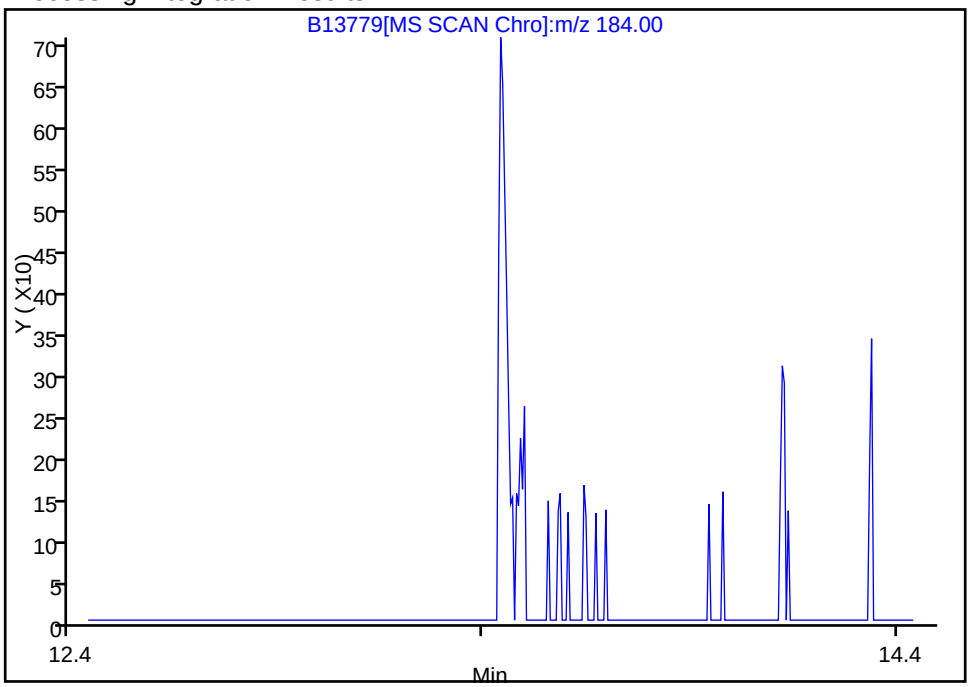
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13779.D		
Injection Date:	20-Dec-2010 17:05:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

60 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 13.44

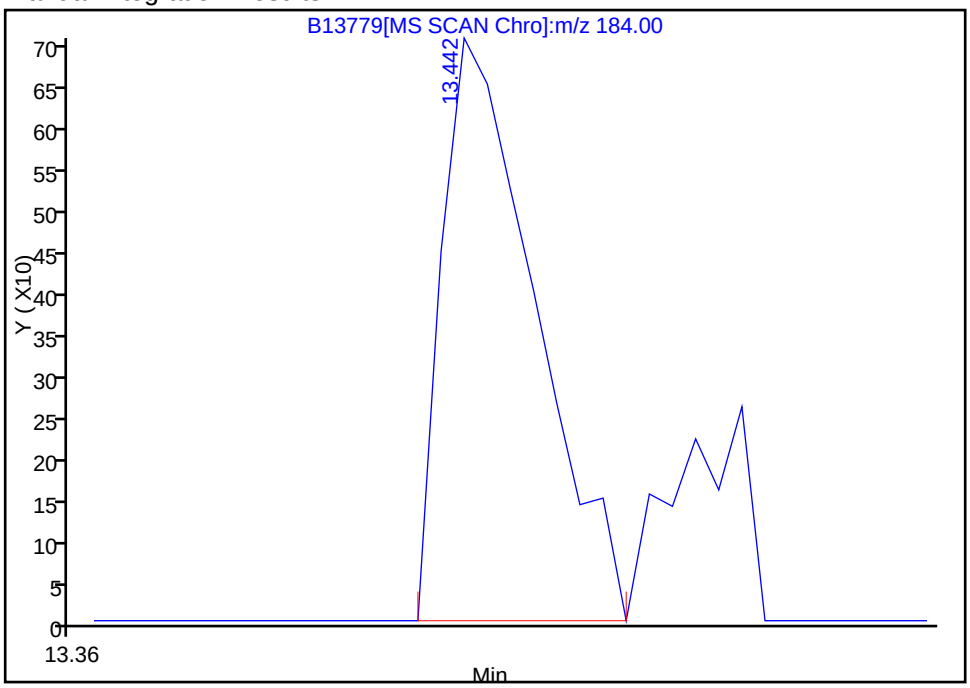
Not Detected
Expected RT: 13.44

Processing Integration Results



Manual Integration Results

RT: 13.44
Response: 949
Amount: 0.272836



Reviewer: testerc, 21-Dec-2010 09:43:45
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

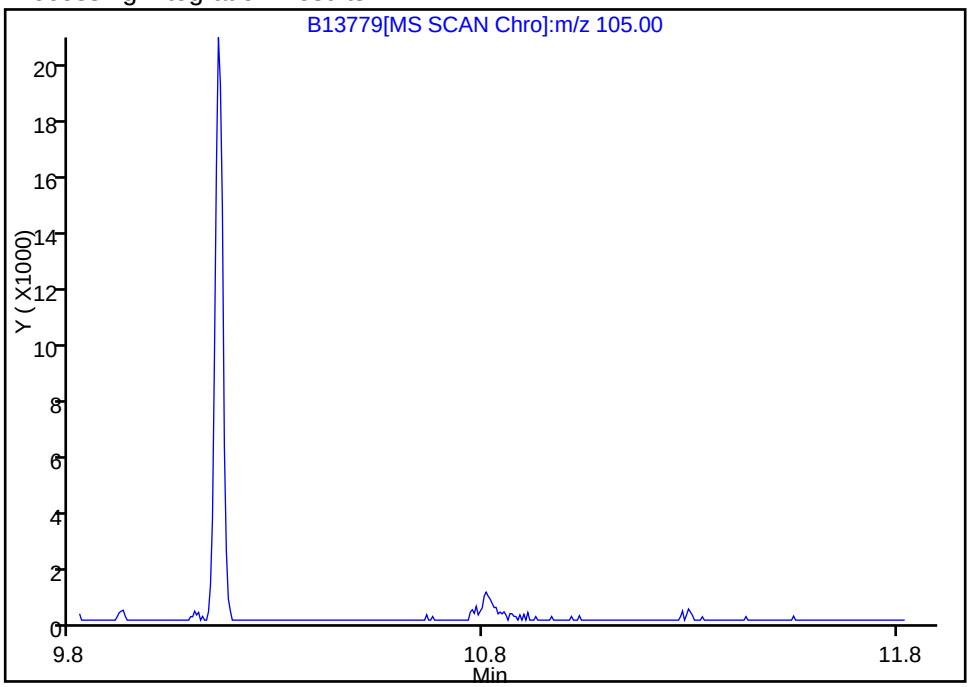
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13779.D		
Injection Date:	20-Dec-2010 17:05:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

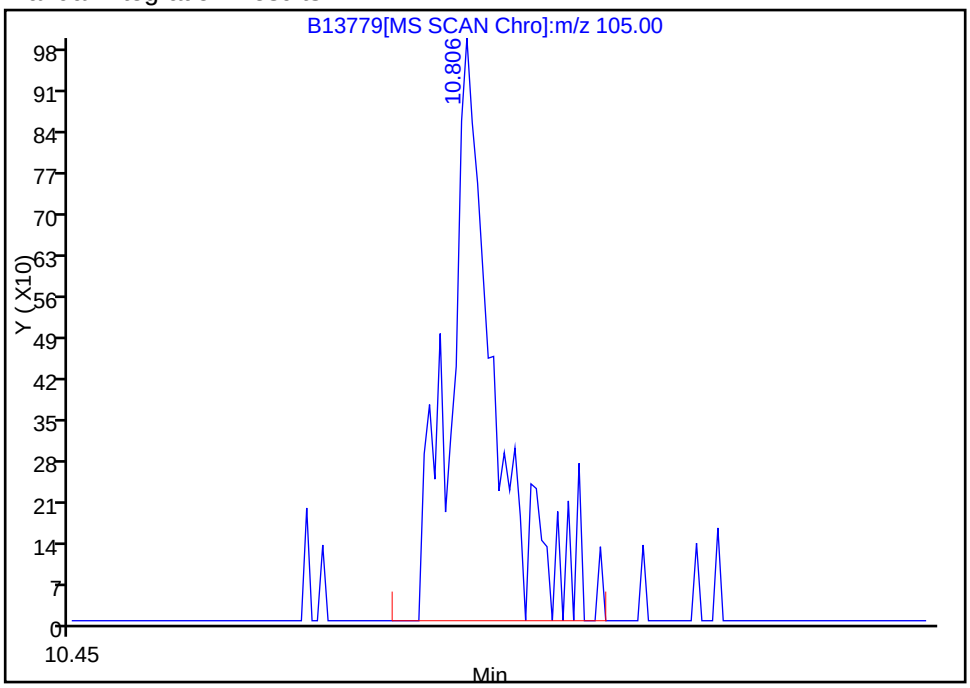
Not Detected
Expected RT: 10.82

Processing Integration Results



Manual Integration Results

RT: 10.81
Response: 2871
Amount: 0.996404



Reviewer: testerc, 21-Dec-2010 09:43:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

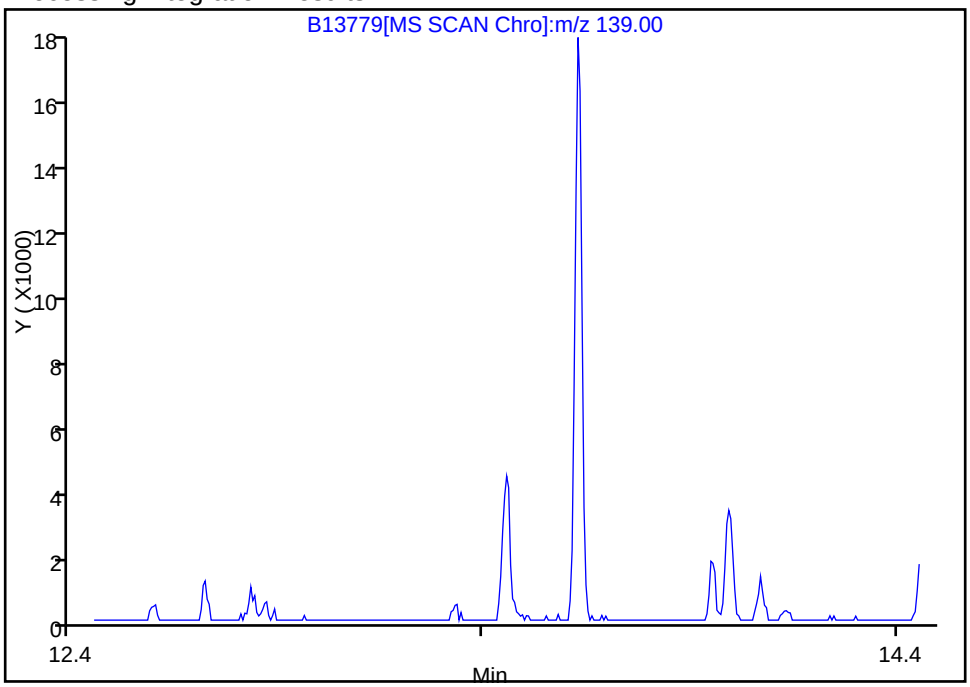
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13779.D		
Injection Date:	20-Dec-2010 17:05:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

62 4-Nitrophenol, Signal: 1, m/z: 139.0 Type: quant, RT: 13.46

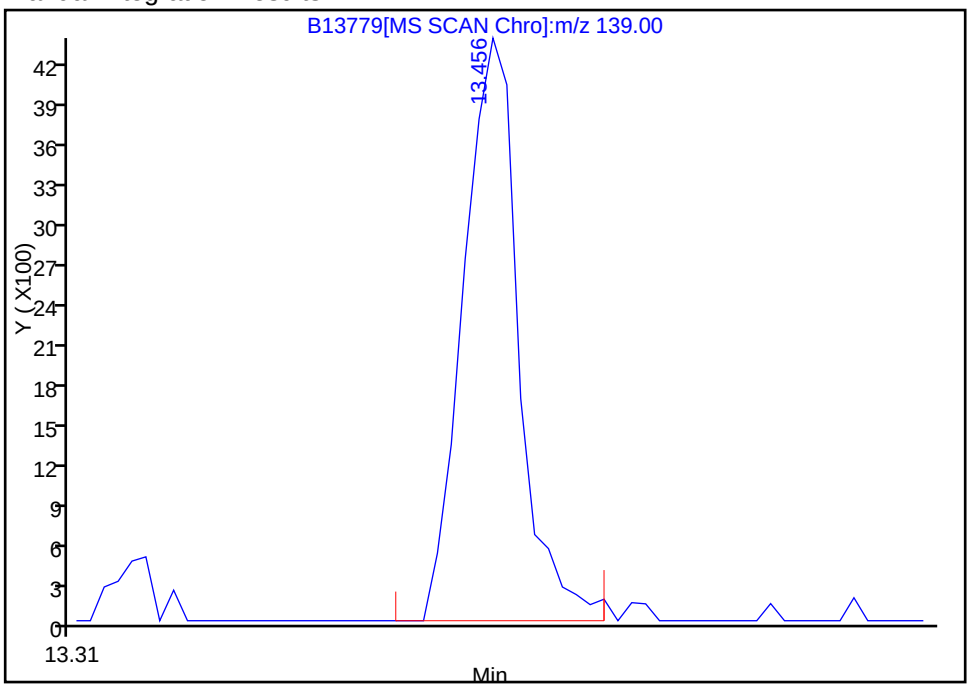
Processing Integration Results

Not Detected
Expected RT: 13.46



Manual Integration Results

RT: 13.46
Response: 5875
Amount: 1.228872



Reviewer: testerc, 21-Dec-2010 09:43:45
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 21-Dec-2010 14:28:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

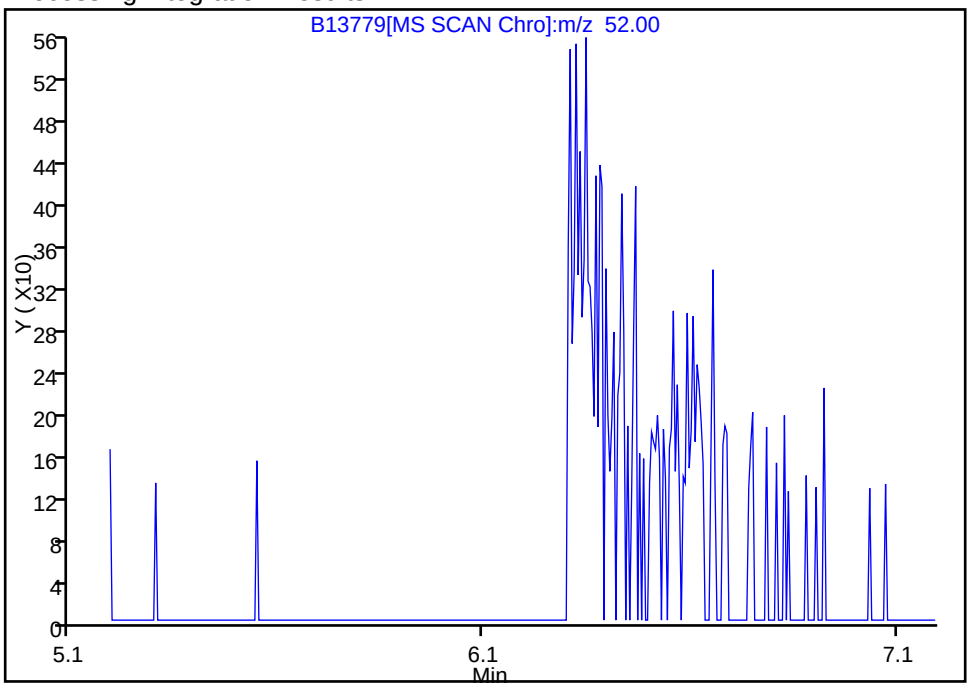
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13779.D		
Injection Date:	20-Dec-2010 17:05:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

16 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 6.19

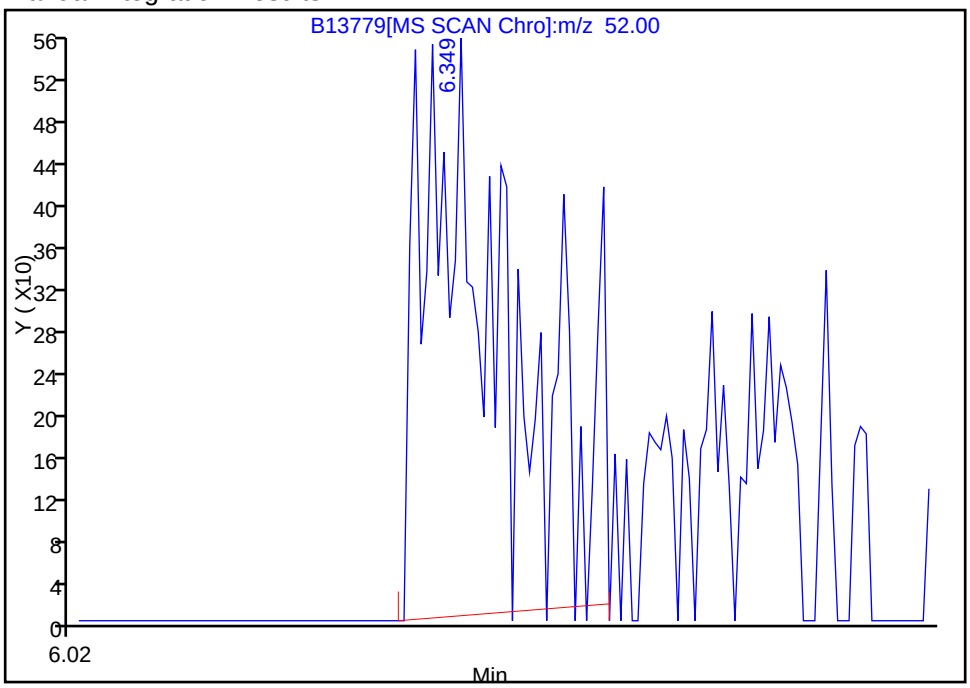
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.35
Response: 2737
Amount: 1.499020



Reviewer: testerc, 21-Dec-2010 09:43:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13780.D
Lims ID: STD25 Client ID:
Inject. Date: 20-Dec-2010 17:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 2.5 PPM CAL STD
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 7
Lims Batch ID: 67431 Lims Sample ID: 5
Sublist: chrom-8270B*sub19
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 14:28:25 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 21-Dec-2010 14:29:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.678	9.676	0.002	91	99070	4.00	
* 2 Naphthalene-d8	136	11.293	11.292	0.001	98	362518	4.00	
* 3 Acenaphthene-d10	164	13.414	13.412	0.002	92	196995	4.00	
* 4 Phenanthrene-d10	188	14.943	14.946	-0.003	96	301500	4.00	
* 5 Chrysene-d12	240	17.694	17.692	0.002	97	254082	4.00	
* 6 Perylene-d12	264	20.344	20.347	-0.002	95	182414	4.00	
$ 7 2-Fluorophenol	112	8.004	8.002	0.002	82	50478	2.41	
$ 8 Phenol-d5	99	9.134	9.137	-0.003	88	52726	2.39	
$ 9 Nitrobenzene-d5	82	10.365	10.368	-0.003	79	47678	2.54	
$ 10 2-Fluorobiphenyl	172	12.597	12.600	-0.003	100	130268	2.49	
$ 11 2,4,6-Tribromophenol	330	14.246	14.244	0.002	88	10697	2.52	
$ 12 Terphenyl-d14	244	16.381	16.379	0.002	97	93330	2.41	
14 1,4-Dioxane	88	5.638	5.632	0.006	91	20060	2.42	
15 N-Nitrosodimethylamine	42	6.124	6.122	0.002	85	17314	2.43	
16 Pyridine	52	6.211	6.194	0.016	97	13073	2.67	M
17 Benzaldehyde	105	9.129	9.132	-0.003	64	37032	2.49	
18 Phenol	94	9.153	9.152	0.001	96	53146	2.48	
19 Aniline	93	9.250	9.253	-0.003	99	52873	2.31	
20 Bis(2-chloroethyl)ether	93	9.298	9.296	0.002	98	50202	2.48	
21 2-Chlorophenol	128	9.413	9.411	0.002	89	57414	2.42	
23 1,3-Dichlorobenzene	146	9.615	9.613	0.002	95	72761	2.48	
22 1,4-Dichlorobenzene	146	9.697	9.700	-0.003	97	72340	2.48	
24 Benzyl alcohol	79	9.807	9.810	-0.003	96	29688	2.38	
25 1,2-Dichlorobenzene	146	9.904	9.902	0.002	99	71149	2.53	
26 2-Methylphenol	108	9.918	9.921	-0.003	91	44902	2.47	
27 2,2'-oxybis[1-chloropropane]	45	9.966	9.969	-0.003	53	42525	2.43	
28 3 & 4 Methylphenol	107	10.101	10.099	0.002	90	48371	2.42	
29 N-Nitrosodi-n-propylamine	42	10.130	10.128	0.002	77	14597	2.33	
30 Acetophenone	105	10.159	10.157	0.002	90	65028	2.48	
31 Hexachloroethane	117	10.332	10.335	-0.003	94	24758	2.40	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.394	10.392	0.002	78	39595	2.42	
33 Isophorone	82	10.668	10.671	-0.003	97	75580	2.36	
35 2,4-Dimethylphenol	107	10.779	10.777	0.002	88	44185	2.41	
34 2-Nitrophenol	139	10.793	10.796	-0.003	83	31871	2.54	
36 Benzoic acid	105	10.813	10.820	-0.007	83	13823	2.53	
37 Bis(2-chloroethoxy)methane	93	10.904	10.902	0.002	93	53256	2.46	
38 2,4-Dichlorophenol	162	11.082	11.080	0.002	86	40337	2.37	
39 1,2,4-Trichlorobenzene	180	11.207	11.205	0.002	94	56846	2.45	
41 Naphthalene	128	11.317	11.320	-0.003	98	172648	2.49	
42 4-Chloroaniline	127	11.361	11.359	0.002	47	45846	2.39	
43 Hexachlorobutadiene	225	11.452	11.450	0.002	96	29319	2.42	
44 Caprolactam	55	11.769	11.777	-0.008	69	8825	2.47	
45 4-Chloro-3-methylphenol	107	11.919	11.921	-0.002	91	34433	2.38	
46 2-Methylnaphthalene	142	12.183	12.181	0.002	90	107387	2.48	
47 1-Methylnaphthalene	142	12.308	12.311	-0.003	93	112693	2.48	
48 Hexachlorocyclopentadiene	237	12.371	12.369	0.002	95	23487	2.46	
49 1,2,4,5-Tetrachlorobenzene	216	12.390	12.388	0.002	97	49583	2.52	
50 2,4,6-Trichlorophenol	196	12.505	12.508	-0.003	87	28506	2.44	
51 2,4,5-Trichlorophenol	196	12.553	12.556	-0.003	94	28616	2.47	
52 1,1'-Biphenyl	154	12.726	12.725	0.001	91	129573	2.47	
53 2-Chloronaphthalene	162	12.779	12.777	0.002	94	117807	2.48	
54 Phenyl ether	170	12.837	12.840	-0.003	88	73044	2.44	
55 2-Nitroaniline	138	12.871	12.874	-0.003	72	24606	2.43	
56 Dimethyl phthalate	163	13.029	13.032	-0.003	99	116946	2.49	
58 Acenaphthylene	152	13.260	13.263	-0.003	97	158992	2.48	
59 3-Nitroaniline	138	13.332	13.330	0.002	88	16653	2.39	
60 2,4-Dinitrophenol	184	13.438	13.441	-0.003	39	7876	2.24	
61 Acenaphthene	153	13.448	13.451	-0.003	93	113251	2.52	
62 4-Nitrophenol	139	13.457	13.455	0.002	23	17238	2.61	
63 2,4-Dinitrotoluene	165	13.573	13.576	-0.003	94	28030	2.62	
57 2,6-Dinitrotoluene	165	13.121	13.576	-0.455	81	24233	2.41	
64 Dibenzofuran	168	13.630	13.633	-0.003	95	132407	2.50	
65 2,3,4,6-Tetrachlorophenol	232	13.703	13.701	0.002	0	19312	2.56	
66 Diethyl phthalate	149	13.784	13.787	-0.003	98	116889	2.44	
67 4-Chlorophenyl phenyl ether	204	13.957	13.956	0.001	86	50849	2.48	
68 4-Nitroaniline	138	13.996	13.994	0.002	32	14304	2.62	
69 Fluorene	166	13.996	13.999	-0.003	80	110192	2.49	
70 4,6-Dinitro-2-methylphenol	198	14.010	14.009	0.002	86	11254	2.51	
72 N-Nitrosodiphenylamine	169	14.073	14.076	-0.003	52	87396	2.91	
71 Diphenylamine	169	14.073	14.076	-0.003	0	87396	2.48	
73 1,2-Diphenylhydrazine	77	14.121	14.124	-0.003	1	115790	2.46	
74 Azobenzene	77	14.121	14.124	-0.003	92	115790	2.46	
13 Benzophenone	105	14.135	14.138	-0.003	92	91773	2.48	
75 4-Bromophenyl phenyl ether	248	14.462	14.461	0.001	55	27125	2.48	
77 Atrazine	200	14.559	14.562	-0.003	76	25297	2.41	
76 Hexachlorobenzene	284	14.568	14.566	0.002	86	28818	2.44	
78 Pentachlorophenol	266	14.741	14.744	-0.003	78	11693	2.39	
79 Pentachloronitrobenzene	237	14.761	14.759	0.002	81	11515	2.41	
80 Phenanthrene	178	14.967	14.970	-0.003	97	141624	2.44	
81 Anthracene	178	15.020	15.018	0.002	97	138169	2.48	
83 Carbazole	167	15.145	15.148	-0.003	81	111240	2.62	
84 Di-n-butyl phthalate	149	15.362	15.365	-0.003	99	178848	2.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.083	16.086	-0.003	98	141485	2.41	
86 Benzidine	184	16.150	16.153	-0.003	98	15945	1.73	
85 Pyrene	202	16.319	16.322	-0.003	98	147227	2.46	
89 Butyl benzyl phthalate	149	16.809	16.812	-0.003	93	76697	2.46	
92 Bis(2-ethylhexyl) phthalate	149	17.415	17.413	0.002	92	94335	2.21	
91 3,3'-Dichlorobenzidine	252	17.559	17.557	0.002	52	25124	2.25	
93 Benzo[a]anthracene	228	17.675	17.673	0.002	99	114173	2.34	
94 Chrysene	228	17.732	17.731	0.001	96	116900	2.47	
95 Di-n-octyl phthalate	149	18.353	18.351	0.002	98	135929	2.40	
97 Benzo[b]fluoranthene	252	19.483	19.486	-0.003	97	109612	2.32	
98 Benzo[k]fluoranthene	252	19.540	19.539	0.001	98	111681	2.44	
99 Benzo[a]pyrene	252	20.214	20.217	-0.003	75	87217	2.29	
100 Indeno[1,2,3-cd]pyrene	276	23.339	23.338	0.001	92	79814	2.62	
101 Dibenz(a,h)anthracene	278	23.339	23.342	-0.003	70	65037	2.51	
102 Benzo[g,h,i]perylene	276	24.301	24.299	0.002	95	71307	2.72	

QC Flag Legend

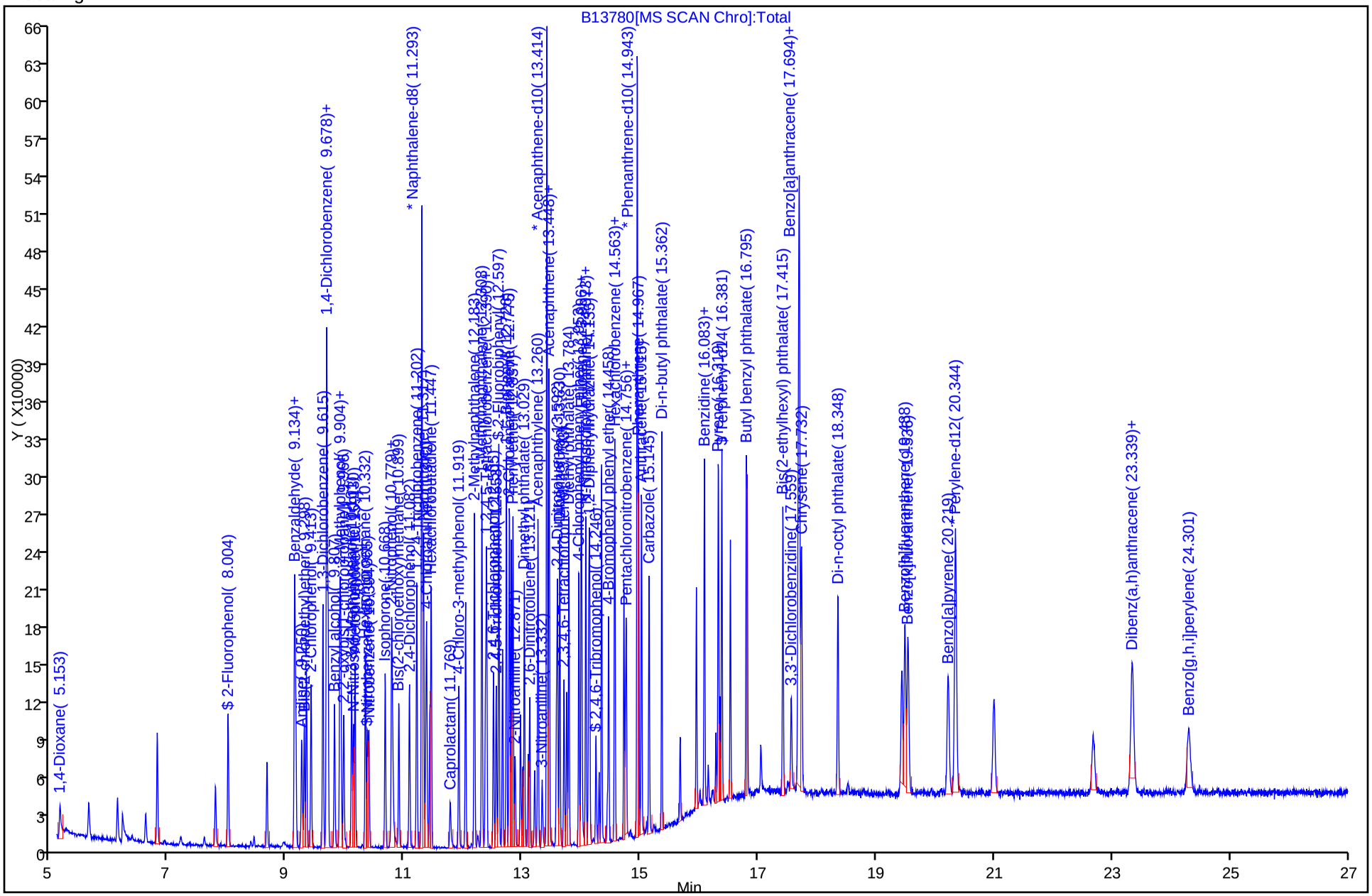
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 14:29:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13780.D

Injection Date:	20-Dec-2010 17:40:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:29:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

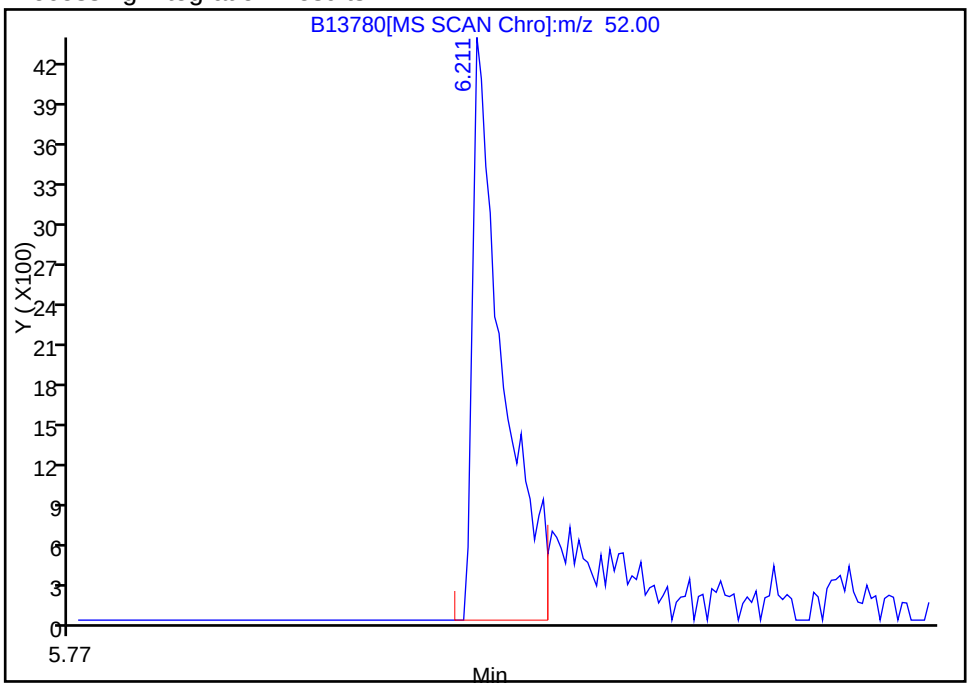
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13780.D		
Injection Date:	20-Dec-2010 17:40:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	2.00 ul

16 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 6.19

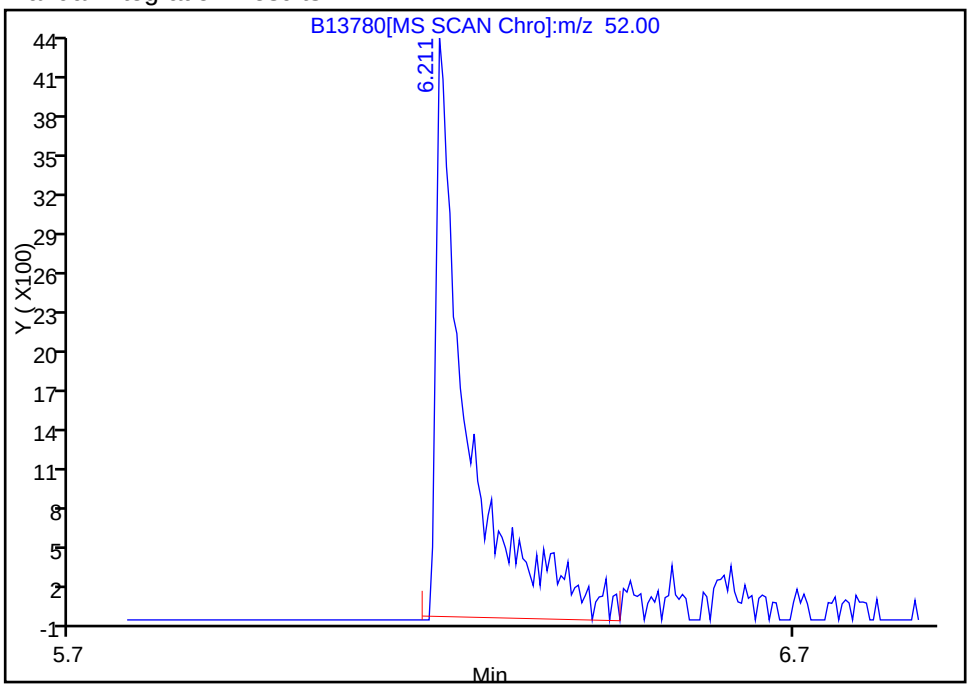
Processing Integration Results

RT: 6.21
Response: 9849
Amount: 1.593982



Manual Integration Results

RT: 6.21
Response: 13073
Amount: 2.669459



Reviewer: testerc, 21-Dec-2010 09:41:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	20-Dec-2010 18:16:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	5
Sample ID:	5.0 PPM CAL STD		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	67431	Lims Sample ID:	6
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		

First Level Reviewer: testerc Date: 21-Dec-2010 14:29:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.674	9.676	-0.002	0	98920	4.00	A
* 2 Naphthalene-d8	136	11.289	11.292	-0.003	0	363145	4.00	A
* 3 Acenaphthene-d10	164	13.410	13.412	-0.002	0	196557	4.00	A
* 4 Phenanthrene-d10	188	14.944	14.946	-0.002	0	293828	4.00	A
* 5 Chrysene-d12	240	17.695	17.692	0.003	94	232263	4.00	
* 6 Perylene-d12	264	20.344	20.347	-0.002	0	161399	4.00	A
$ 7 2-Fluorophenol	112	8.000	8.002	-0.002	0	103801	4.97	A
$ 8 Phenol-d5	99	9.135	9.137	-0.002	0	111426	5.06	A
$ 9 Nitrobenzene-d5	82	10.366	10.368	-0.002	0	88524	4.70	A
$ 10 2-Fluorobiphenyl	172	12.597	12.600	-0.003	0	258974	4.97	A
$ 11 2,4,6-Tribromophenol	330	14.247	14.244	0.003	0	21607	4.64	A
$ 12 Terphenyl-d14	244	16.377	16.379	-0.002	0	181487	5.12	A
14 1,4-Dioxane	88	5.634	5.632	0.002	0	41431	5.01	A
15 N-Nitrosodimethylamine	42	6.125	6.122	0.003	0	35621	5.01	A
16 Pyridine	52	6.202	6.194	0.008	0	32729	4.83	A
17 Benzaldehyde	105	9.130	9.132	-0.002	0	74403	5.02	A
18 Phenol	94	9.154	9.152	0.002	0	107930	5.05	A
19 Aniline	93	9.250	9.253	-0.003	0	109711	4.80	A
20 Bis(2-chloroethyl)ether	93	9.294	9.296	-0.002	0	102825	5.08	A
21 2-Chlorophenol	128	9.414	9.411	0.003	0	118087	4.99	A
23 1,3-Dichlorobenzene	146	9.611	9.613	-0.002	0	149234	5.09	A
22 1,4-Dichlorobenzene	146	9.698	9.700	-0.002	0	147328	5.05	A
24 Benzyl alcohol	79	9.808	9.810	-0.002	0	61656	4.95	A
25 1,2-Dichlorobenzene	146	9.900	9.902	-0.002	0	138692	4.93	A
26 2-Methylphenol	108	9.919	9.921	-0.002	0	91730	5.05	A
27 2,2'-oxybis[1-chloropropane]	45	9.967	9.969	-0.002	0	88941	5.08	A
28 3 & 4 Methylphenol	107	10.102	10.099	0.003	0	99442	4.99	A
29 N-Nitrosodi-n-propylamine	42	10.130	10.128	0.002	0	30955	4.94	A
30 Acetophenone	105	10.159	10.157	0.002	75	131900	5.04	
31 Hexachloroethane	117	10.332	10.335	-0.003	86	51085	4.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.390	10.392	-0.002	73	83525	5.00	
33 Isophorone	82	10.669	10.671	-0.002	95	158216	4.73	
35 2,4-Dimethylphenol	107	10.780	10.777	0.003	87	90326	4.92	
34 2-Nitrophenol	139	10.794	10.796	-0.002	79	68022	5.40	
36 Benzoic acid	105	10.813	10.820	-0.007	70	32320	4.68	M
37 Bis(2-chloroethoxy)methane	93	10.900	10.902	-0.002	95	108664	4.93	
38 2,4-Dichlorophenol	162	11.083	11.080	0.003	88	84868	4.82	
39 1,2,4-Trichlorobenzene	180	11.203	11.205	-0.002	92	114458	4.93	
41 Naphthalene	128	11.318	11.320	-0.002	93	346287	4.99	
42 4-Chloroaniline	127	11.361	11.359	0.002	78	86708	4.50	
43 Hexachlorobutadiene	225	11.448	11.450	-0.002	90	61664	5.07	
44 Caprolactam	55	11.775	11.777	-0.002	76	19328	4.46	
45 4-Chloro-3-methylphenol	107	11.919	11.921	-0.002	83	70936	4.89	
46 2-Methylnaphthalene	142	12.184	12.181	0.003	82	216135	4.99	A
47 1-Methylnaphthalene	142	12.309	12.311	-0.002	92	223547	4.92	
48 Hexachlorocyclopentadiene	237	12.371	12.369	0.002	63	44665	4.69	
49 1,2,4,5-Tetrachlorobenzene	216	12.386	12.388	-0.002	97	95530	4.85	
50 2,4,6-Trichlorophenol	196	12.506	12.508	-0.002	88	58454	5.01	
51 2,4,5-Trichlorophenol	196	12.554	12.556	-0.002	96	58578	5.06	
52 1,1'-Biphenyl	154	12.727	12.725	0.002	93	258583	4.94	
53 2-Chloronaphthalene	162	12.775	12.777	-0.002	95	232986	4.91	
54 Phenyl ether	170	12.838	12.840	-0.002	89	148046	4.94	
55 2-Nitroaniline	138	12.871	12.874	-0.003	85	50272	4.97	
56 Dimethyl phthalate	163	13.030	13.032	-0.002	92	233735	5.00	
58 Acenaphthylene	152	13.261	13.263	-0.002	88	319257	4.99	
59 3-Nitroaniline	138	13.333	13.330	0.003	90	34217	4.92	
60 2,4-Dinitrophenol	184	13.439	13.441	-0.002	37	15332	4.10	
61 Acenaphthene	153	13.448	13.451	-0.003	95	223322	4.99	
62 4-Nitrophenol	139	13.453	13.455	-0.002	76	33525	4.54	
63 2,4-Dinitrotoluene	165	13.573	13.576	-0.003	87	56518	4.75	
57 2,6-Dinitrotoluene	165	13.121	13.576	-0.455	68	51609	5.15	A
64 Dibenzofuran	168	13.631	13.633	-0.002	84	260274	4.92	
65 2,3,4,6-Tetrachlorophenol	232	13.703	13.701	0.002	93	40976	4.79	
66 Diethyl phthalate	149	13.785	13.787	-0.002	97	242282	5.07	
67 4-Chlorophenyl phenyl ether	204	13.953	13.956	-0.003	90	99861	4.89	
68 4-Nitroaniline	138	13.997	13.994	0.003	0	26690	4.16	A
69 Fluorene	166	13.997	13.999	-0.002	76	218251	4.88	
70 4,6-Dinitro-2-methylphenol	198	14.011	14.009	0.003	89	24232	4.30	
72 N-Nitrosodiphenylamine	169	14.074	14.076	-0.002	57	171777	5.86	
71 Diphenylamine	169	14.074	14.076	-0.002	81	171777	5.01	
73 1,2-Diphenylhydrazine	77	14.122	14.124	-0.002	0	231764	5.05	A
74 Azobenzene	77	14.122	14.124	-0.002	87	230463	5.02	
13 Benzophenone	105	14.136	14.138	-0.002	87	182769	5.07	
75 4-Bromophenyl phenyl ether	248	14.463	14.461	0.002	58	52556	4.92	
77 Atrazine	200	14.559	14.562	-0.003	70	52512	5.14	
76 Hexachlorobenzene	284	14.569	14.566	0.003	86	57481	4.99	
78 Pentachlorophenol	266	14.742	14.744	-0.002	70	27025	4.62	
79 Pentachloronitrobenzene	237	14.761	14.759	0.002	73	23445	5.03	
80 Phenanthrene	178	14.968	14.970	-0.002	96	275087	4.87	
81 Anthracene	178	15.016	15.018	-0.002	96	273802	5.04	A
83 Carbazole	167	15.146	15.148	-0.002	82	210395	5.09	
84 Di-n-butyl phthalate	149	15.362	15.365	-0.003	99	364559	4.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.084	16.086	-0.002	98	283655	4.96	
86 Benzidine	184	16.151	16.153	-0.002	93	45019	5.00	
85 Pyrene	202	16.319	16.322	-0.003	96	284576	5.20	A
89 Butyl benzyl phthalate	149	16.810	16.812	-0.002	82	156154	5.47	
92 Bis(2-ethylhexyl) phthalate	149	17.416	17.413	0.003	92	198542	5.10	
91 3,3'-Dichlorobenzidine	252	17.560	17.557	0.003	62	53022	5.19	
93 Benzo[a]anthracene	228	17.675	17.673	0.002	99	221120	4.95	
94 Chrysene	228	17.733	17.731	0.002	92	212605	4.91	A
95 Di-n-octyl phthalate	149	18.349	18.351	-0.002	97	293581	5.54	A
97 Benzo[b]fluoranthene	252	19.488	19.486	0.002	90	207384	4.96	A
98 Benzo[k]fluoranthene	252	19.541	19.539	0.002	99	196591	4.86	
99 Benzo[a]pyrene	252	20.219	20.217	0.002	70	160152	4.75	A
100 Indeno[1,2,3-cd]pyrene	276	23.340	23.338	0.002	85	135455	5.03	A
101 Dibenz(a,h)anthracene	278	23.345	23.342	0.003	0	110013	4.79	A
102 Benzo[g,h,i]perylene	276	24.297	24.299	-0.002	84	118095	5.10	A

QC Flag Legend

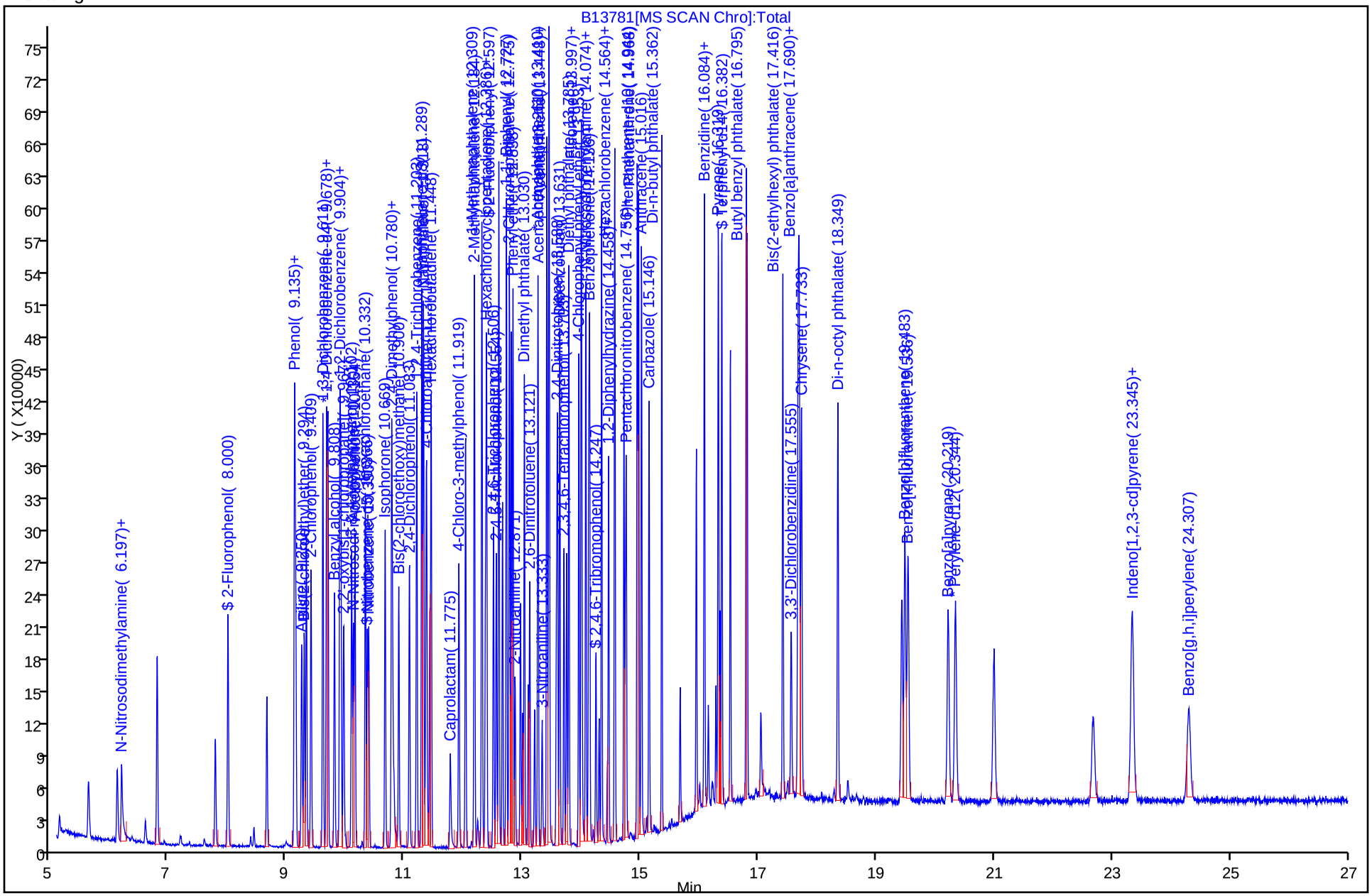
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D

Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



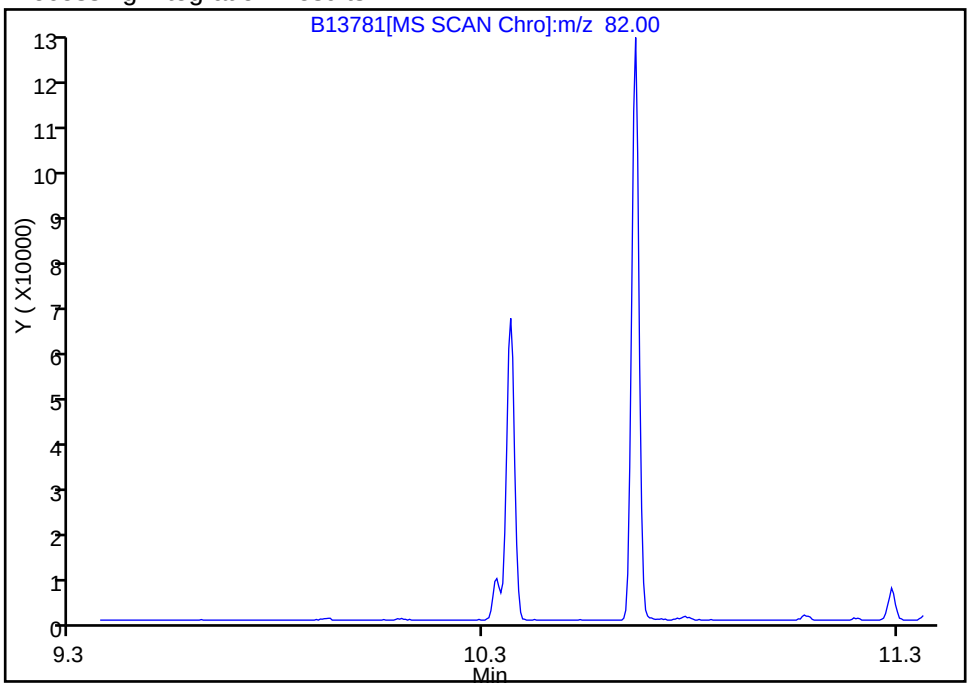
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 10.37

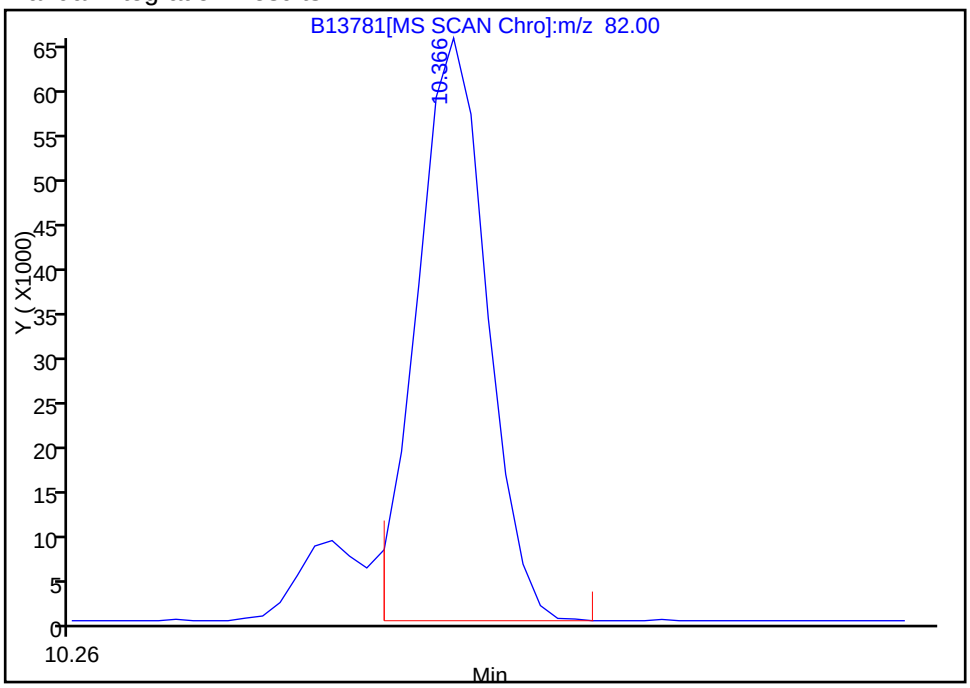
Not Detected
Expected RT: 10.37

Processing Integration Results



Manual Integration Results

RT: 10.37
Response: 88524
Amount: 4.704201



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

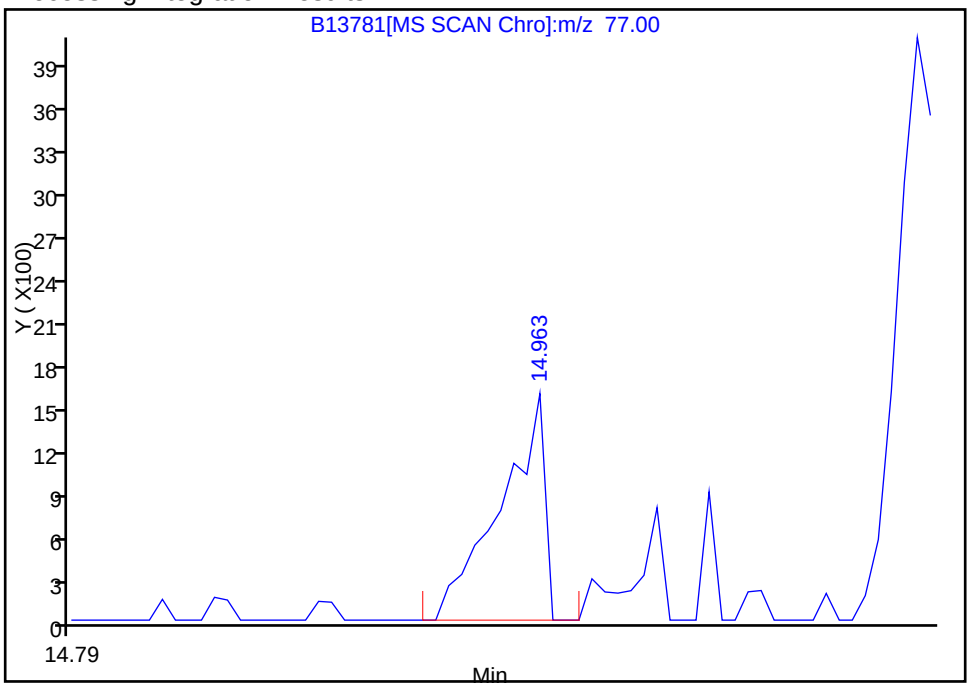
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

73 1,2-Diphenylhydrazine, Signal: 1, m/z: 77.0 Type: quant, RT: 14.12

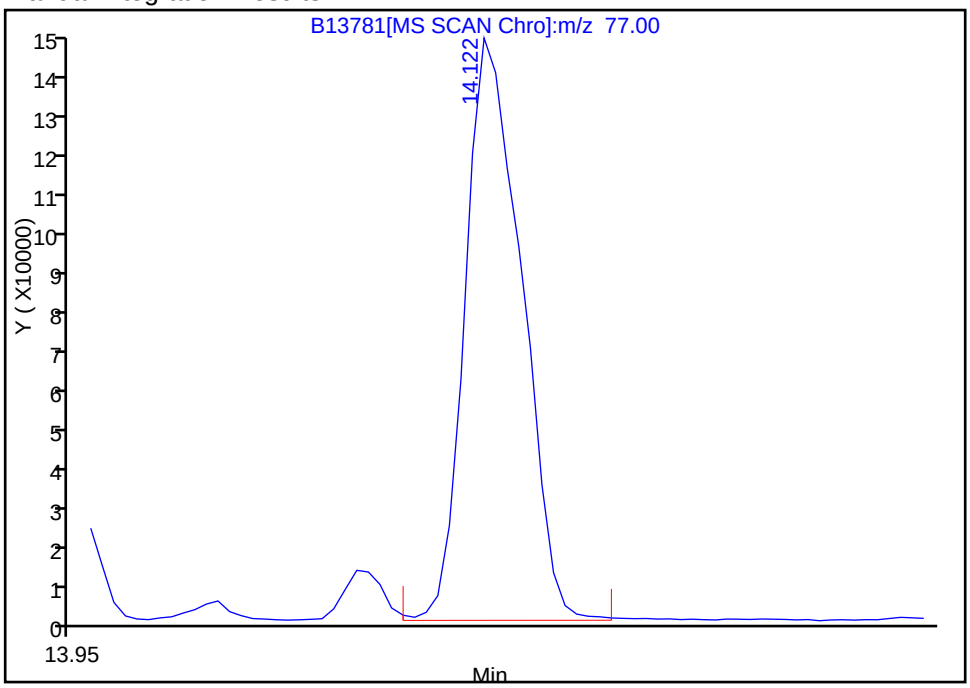
Processing Integration Results

RT: 14.96
Response: 1764
Amount: 0.033577



Manual Integration Results

RT: 14.12
Response: 231764
Amount: 5.048528



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

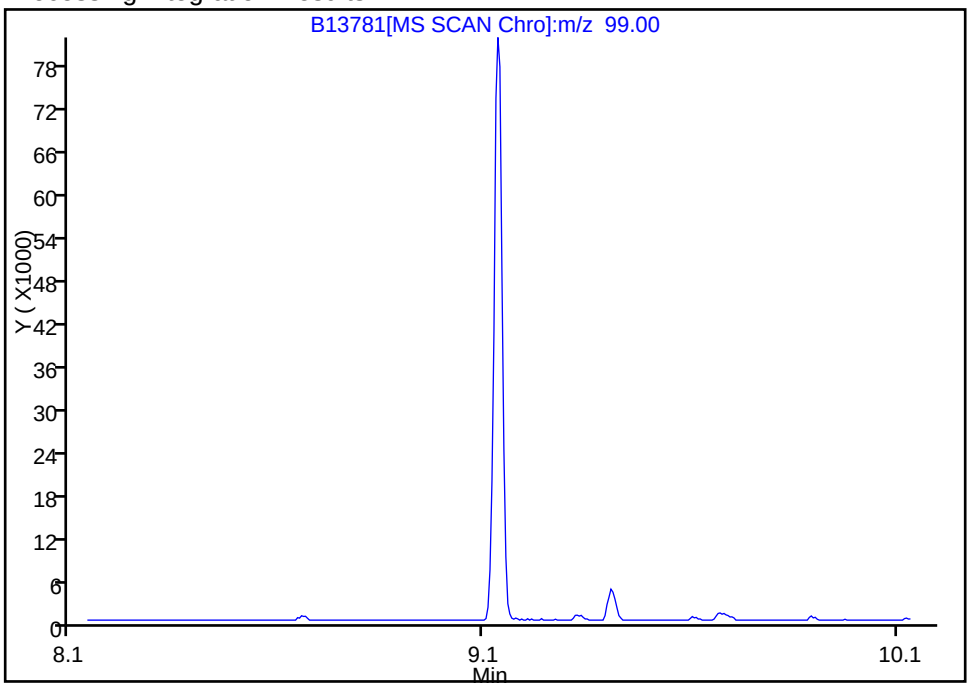
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 9.14

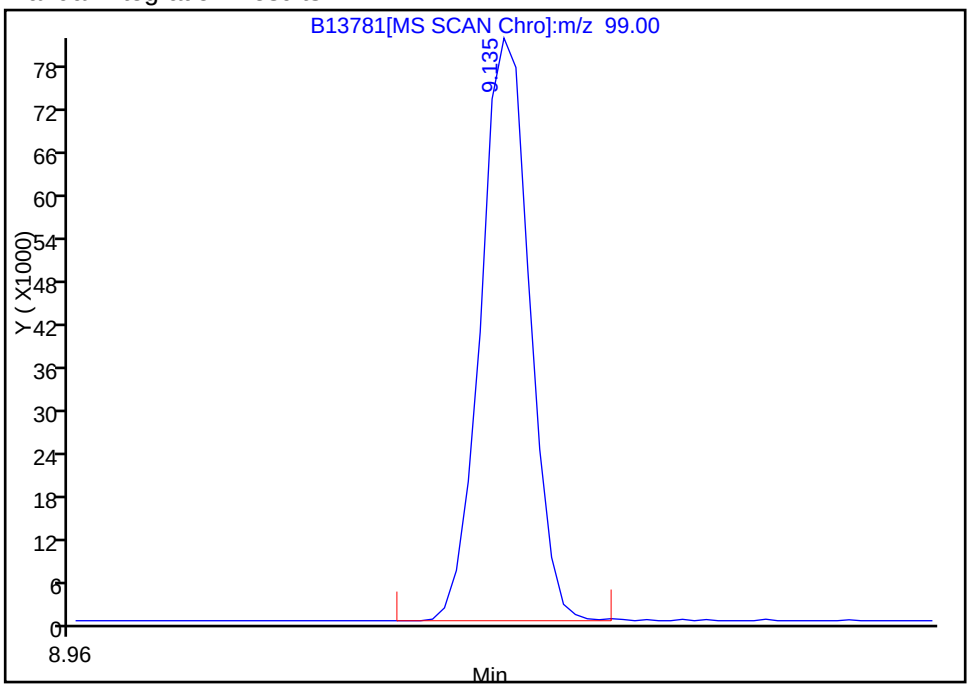
Processing Integration Results

Not Detected
Expected RT: 9.14



Manual Integration Results

RT: 9.13
Response: 111426
Amount: 5.057932



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

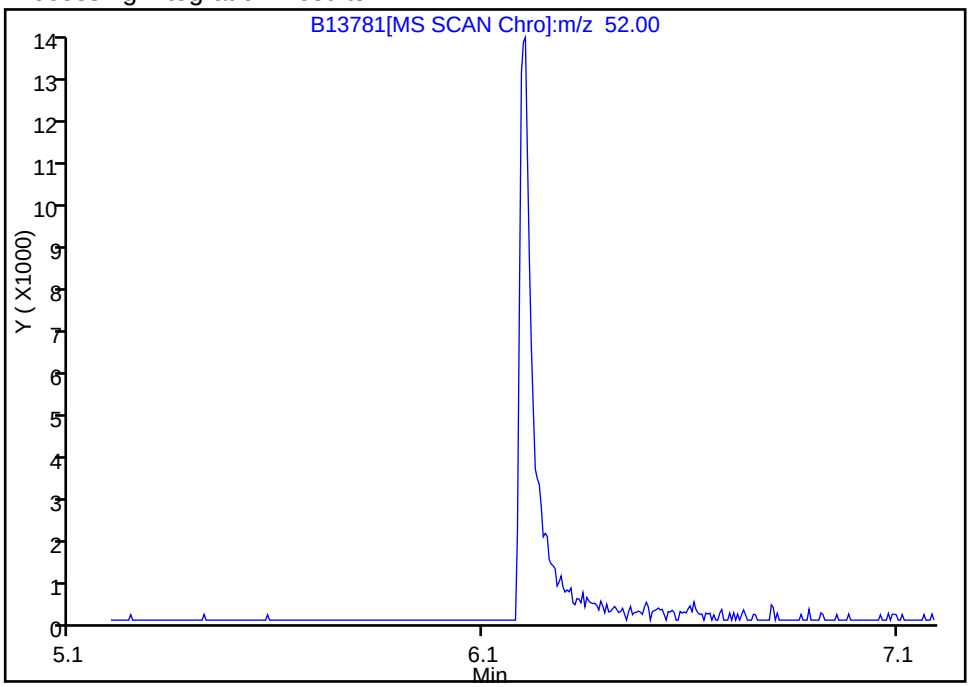
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

16 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 6.19

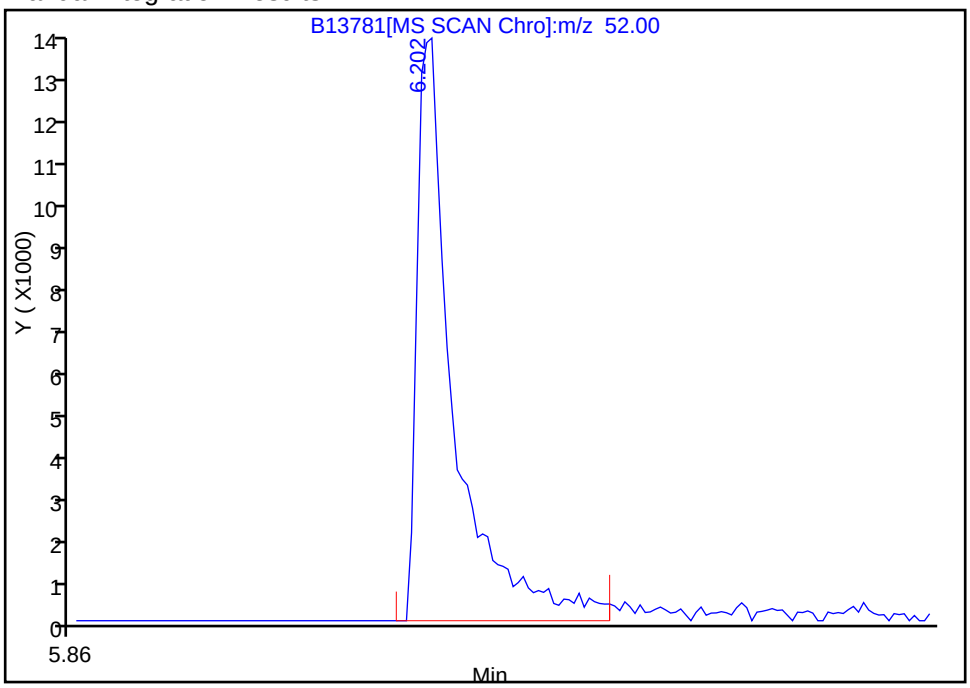
Processing Integration Results

Not Detected
Expected RT: 6.19



Manual Integration Results

RT: 6.20
Response: 32729
Amount: 4.833113



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

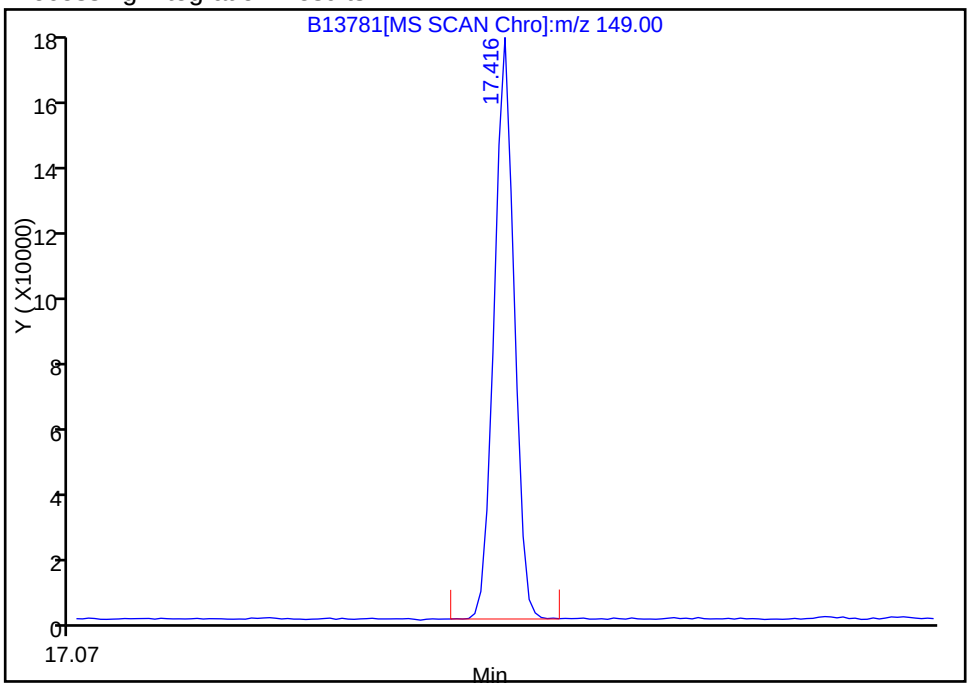
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

95 Di-n-octyl phthalate, Signal: 1, m/z: 149.0 Type: quant, RT: 18.35

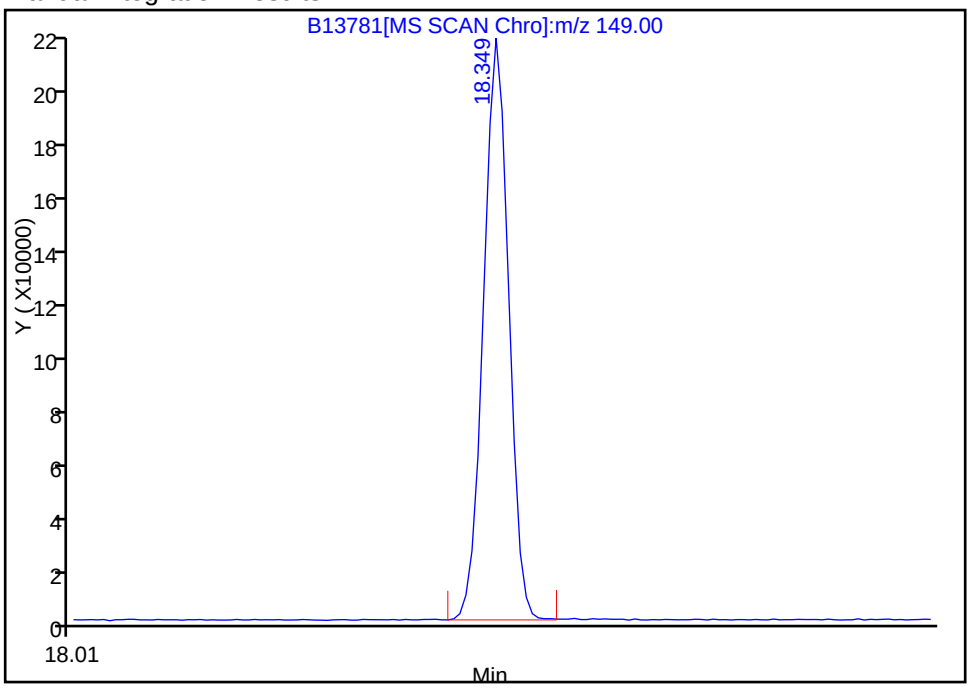
Processing Integration Results

RT: 17.42
Response: 198262
Amount: 5.000000



Manual Integration Results

RT: 18.35
Response: 293581
Amount: 5.535510



Reviewer: testerc, 21-Dec-2010 09:17:27
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

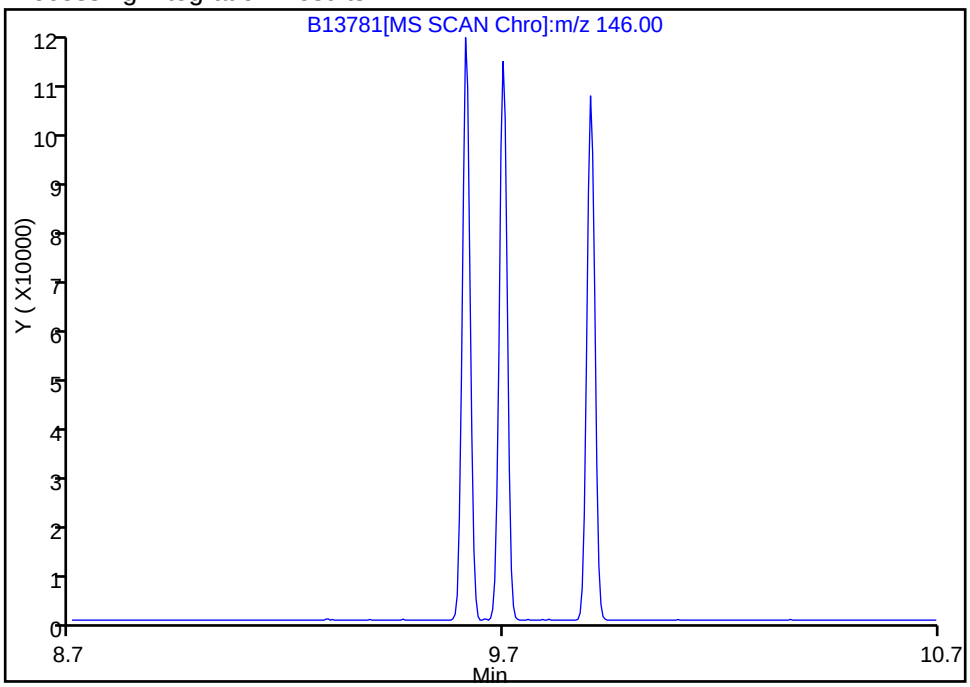
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

22 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 9.70

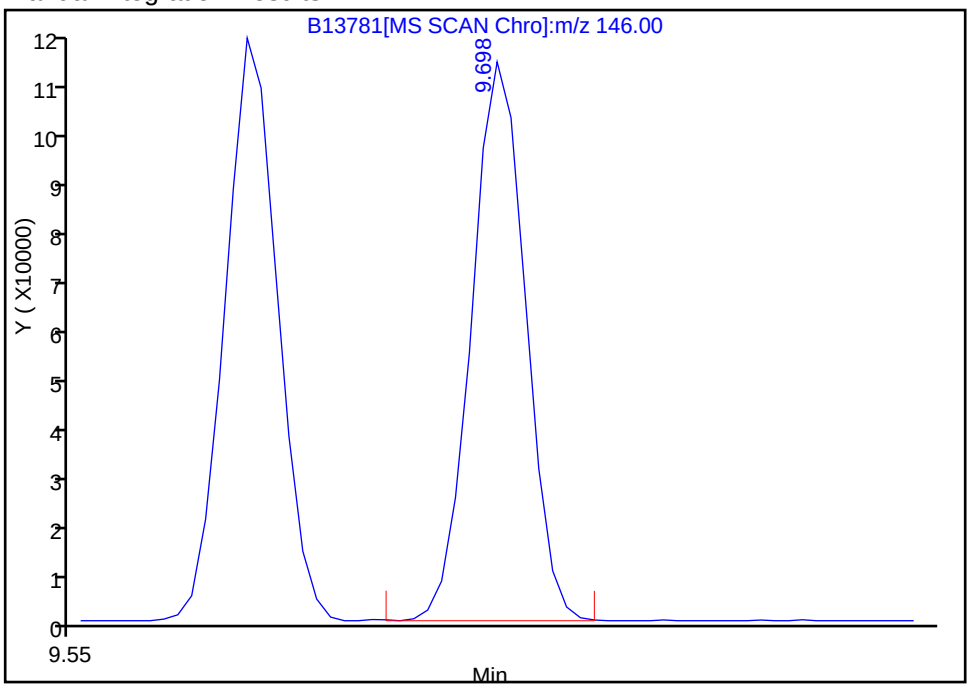
Not Detected
Expected RT: 9.70

Processing Integration Results



Manual Integration Results

RT: 9.70
Response: 147328
Amount: 5.054105



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

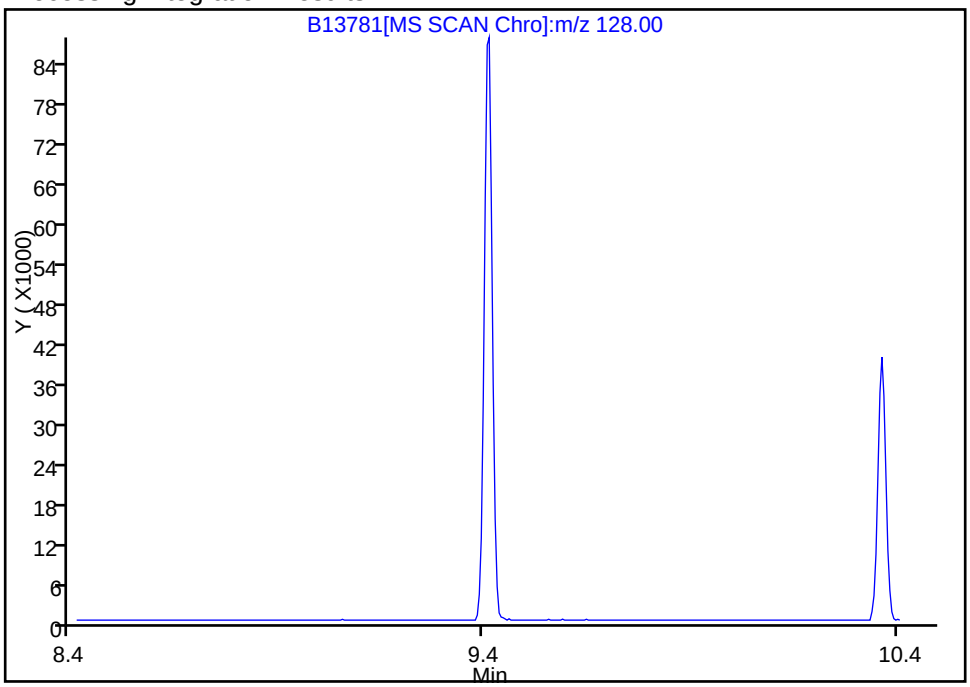
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

21 2-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 9.41

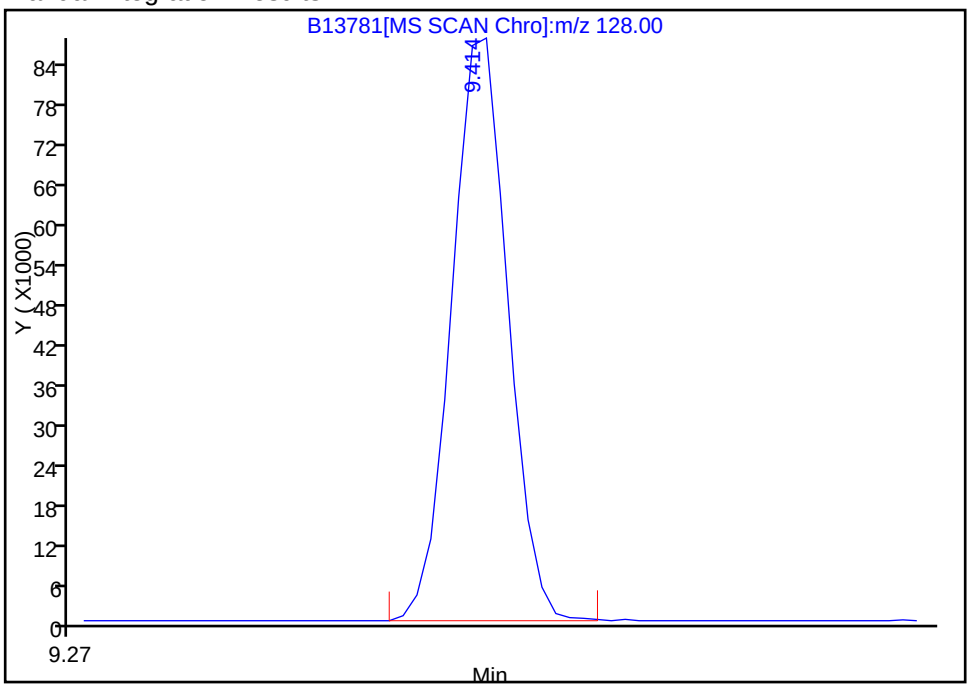
Not Detected
Expected RT: 9.41

Processing Integration Results



Manual Integration Results

RT: 9.41
Response: 118087
Amount: 4.994796



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

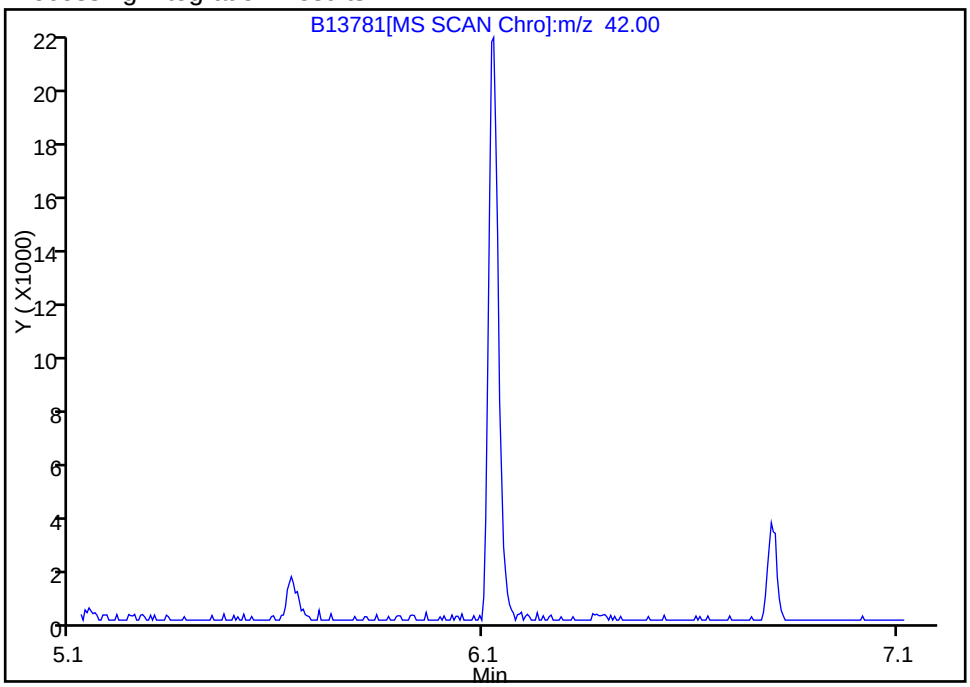
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

15 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 6.12

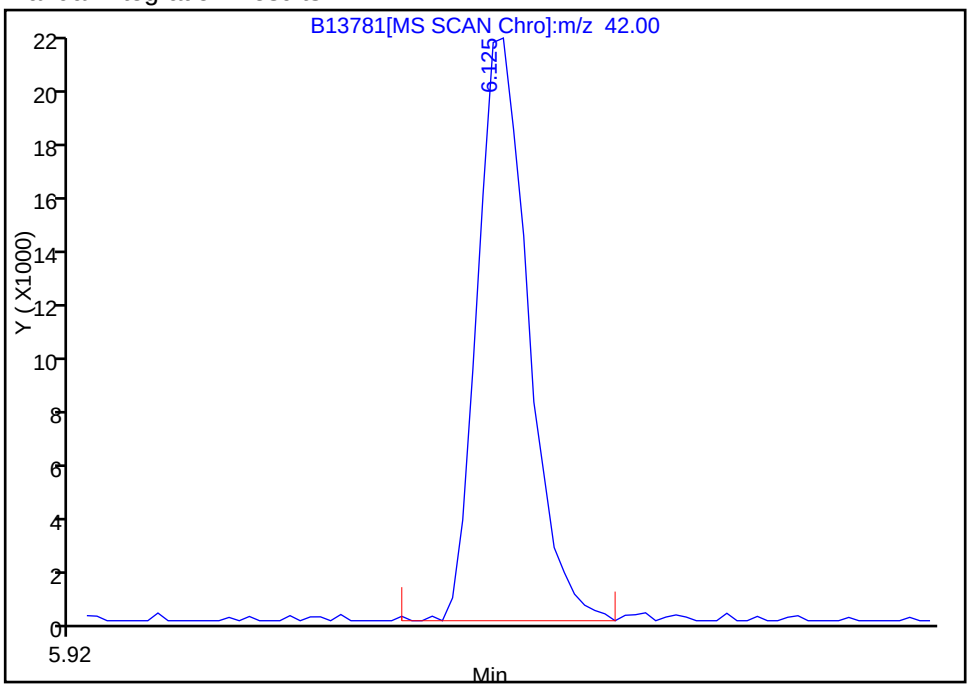
Not Detected
Expected RT: 6.12

Processing Integration Results



Manual Integration Results

RT: 6.12
Response: 35621
Amount: 5.007759



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

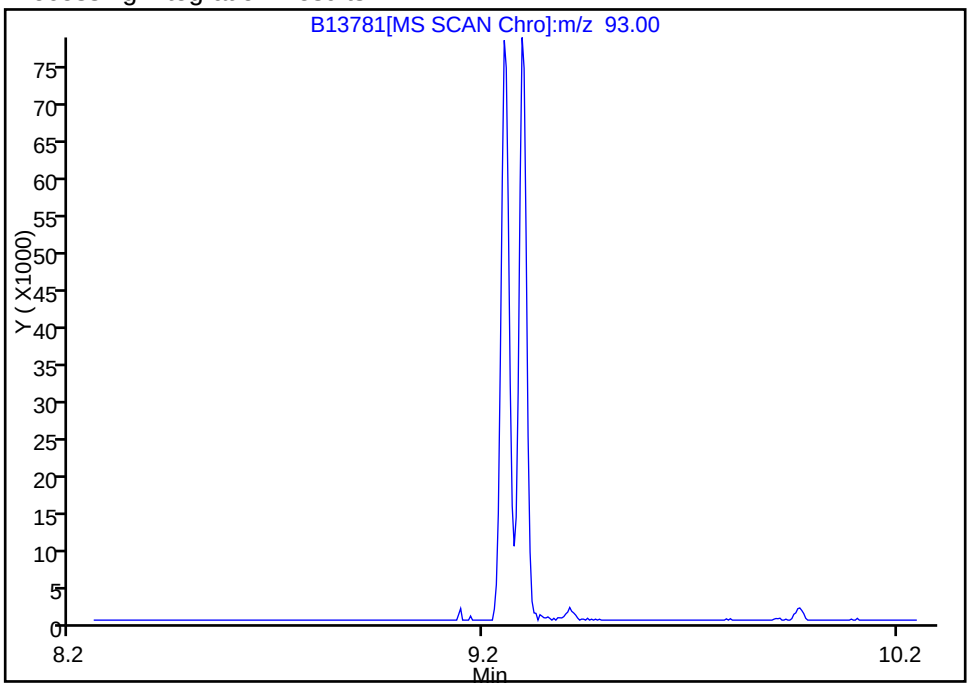
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

19 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 9.25

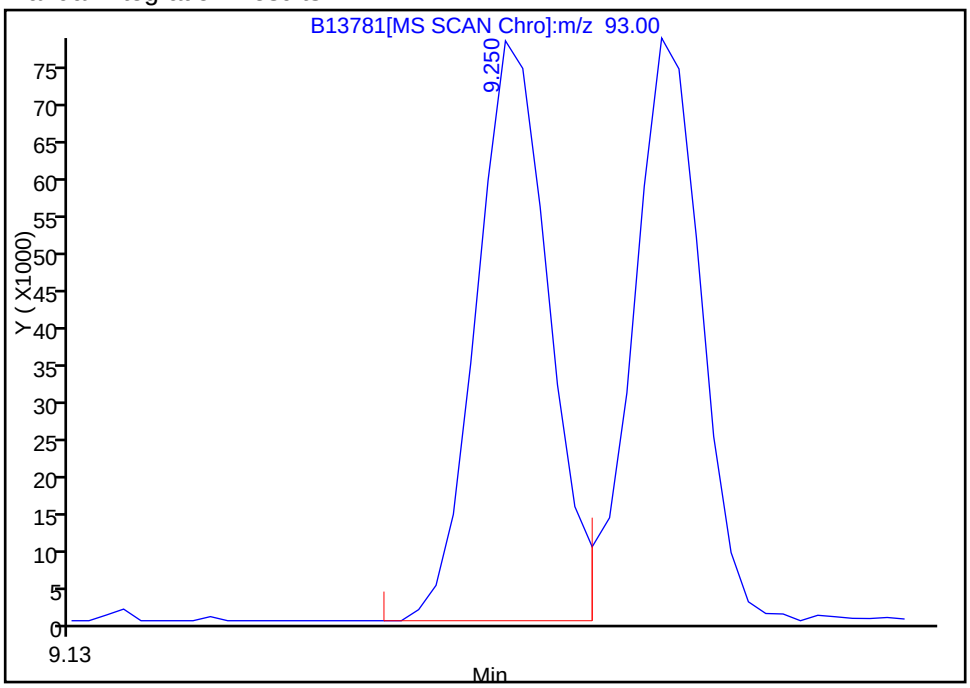
Processing Integration Results

Not Detected
Expected RT: 9.25



Manual Integration Results

RT: 9.25
Response: 109711
Amount: 4.798674



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

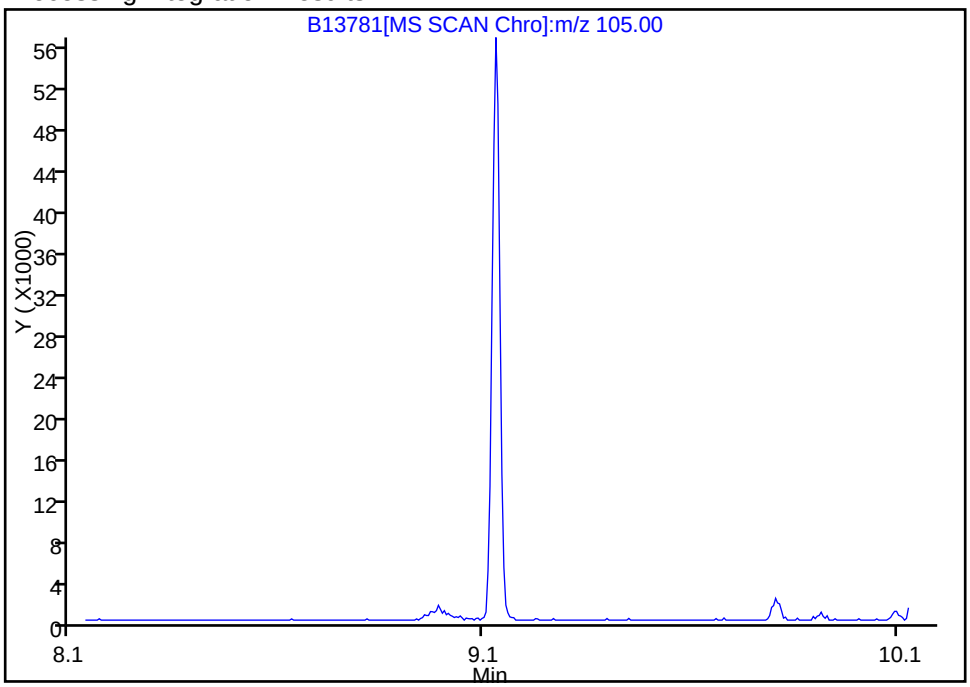
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

17 Benzaldehyde, Signal: 1, m/z: 105.0 Type: quant, RT: 9.13

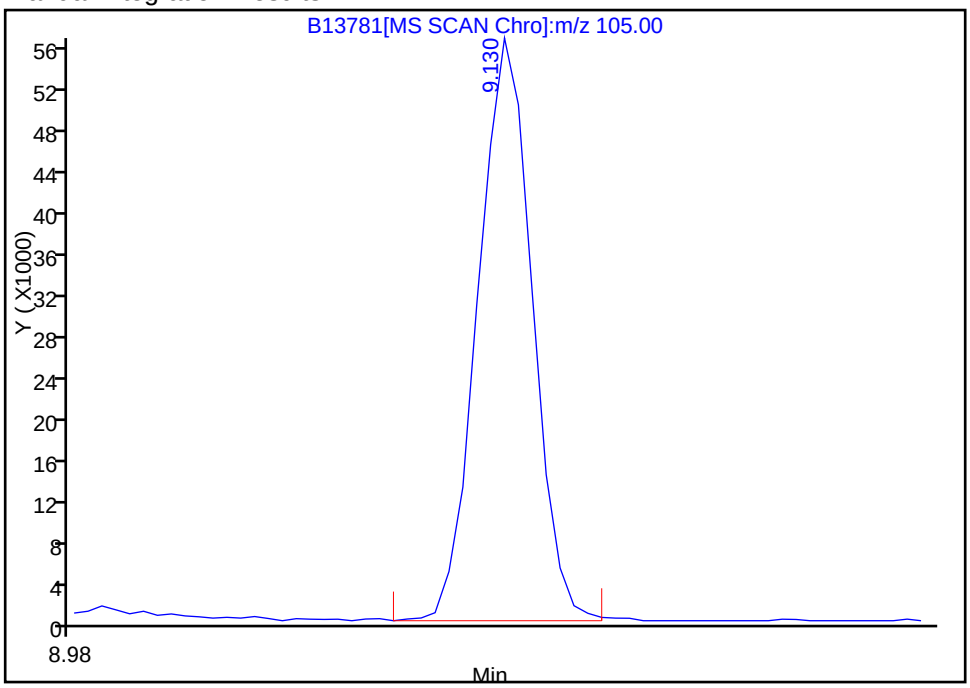
Processing Integration Results

Not Detected
Expected RT: 9.13



Manual Integration Results

RT: 9.13
Response: 74403
Amount: 5.015638



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

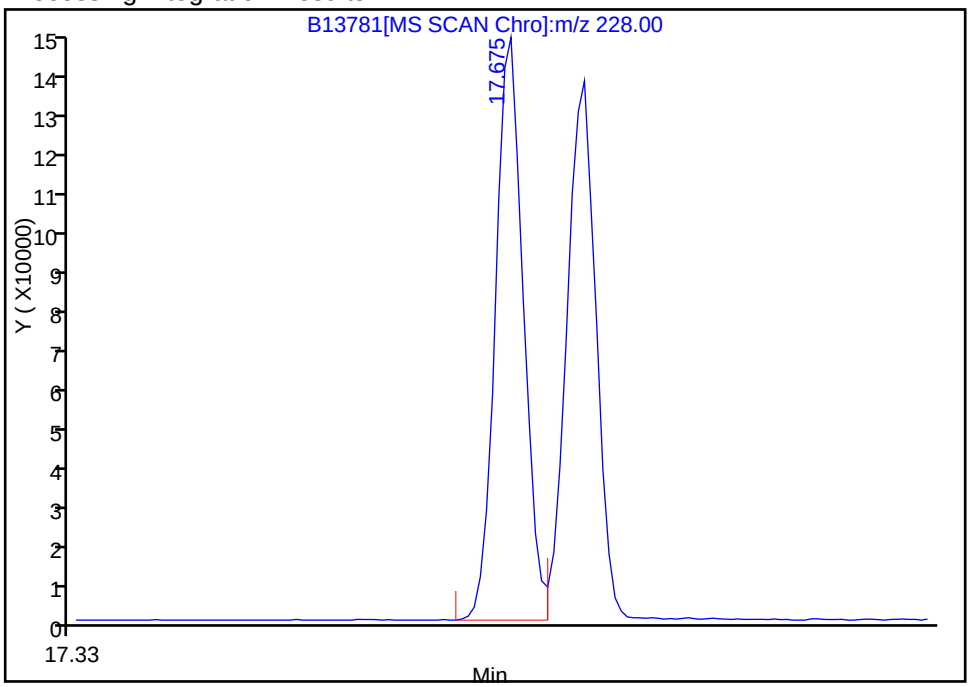
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.73

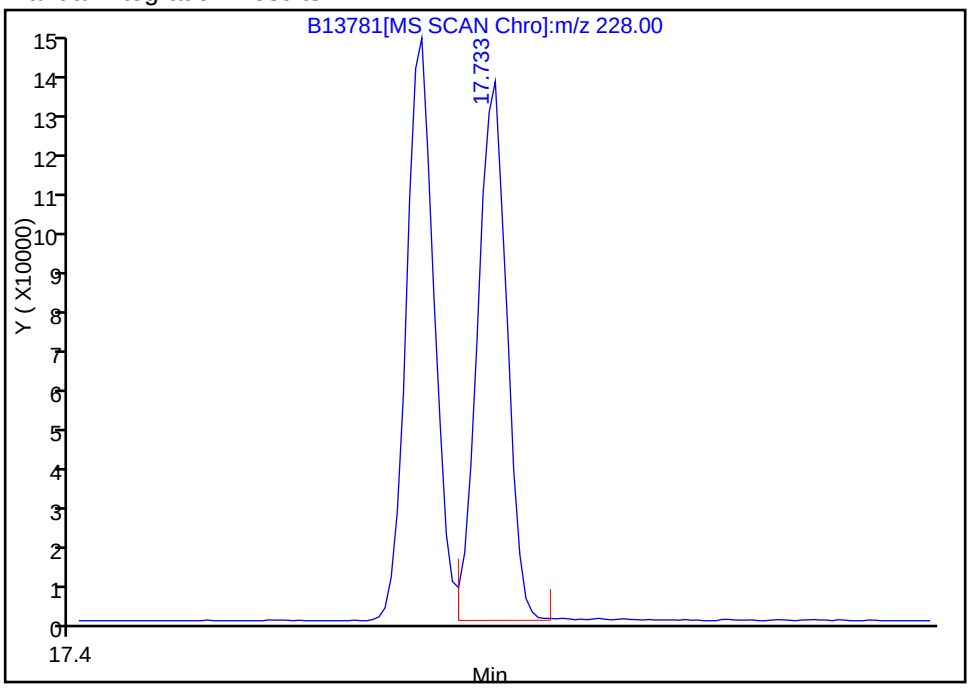
Processing Integration Results

RT: 17.68
Response: 221120
Amount: 4.075785



Manual Integration Results

RT: 17.73
Response: 212605
Amount: 4.906593



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

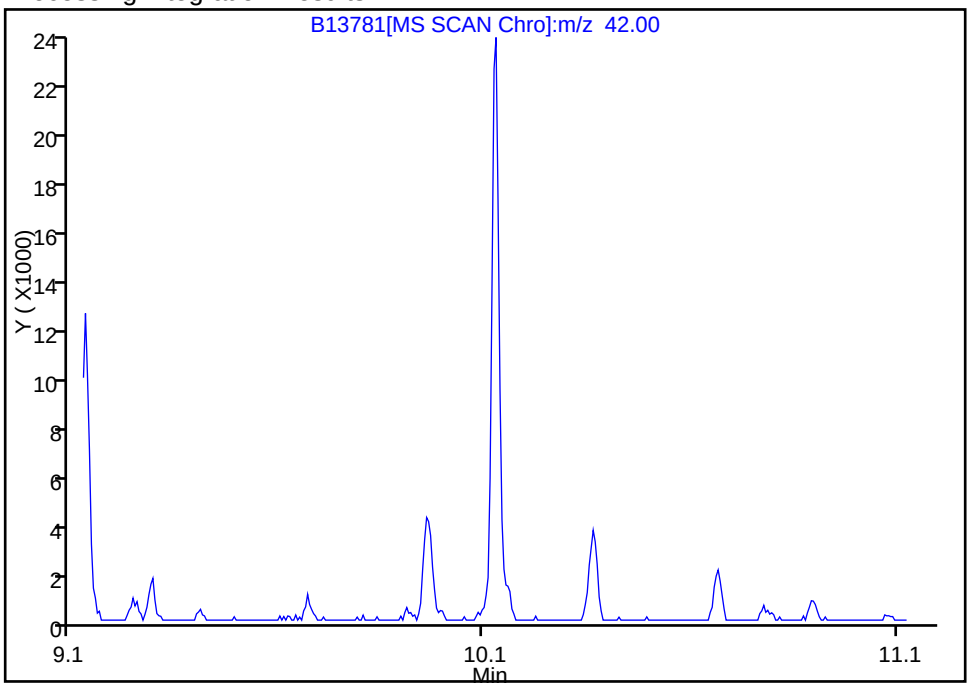
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

29 N-Nitrosodi-n-propylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 10.13

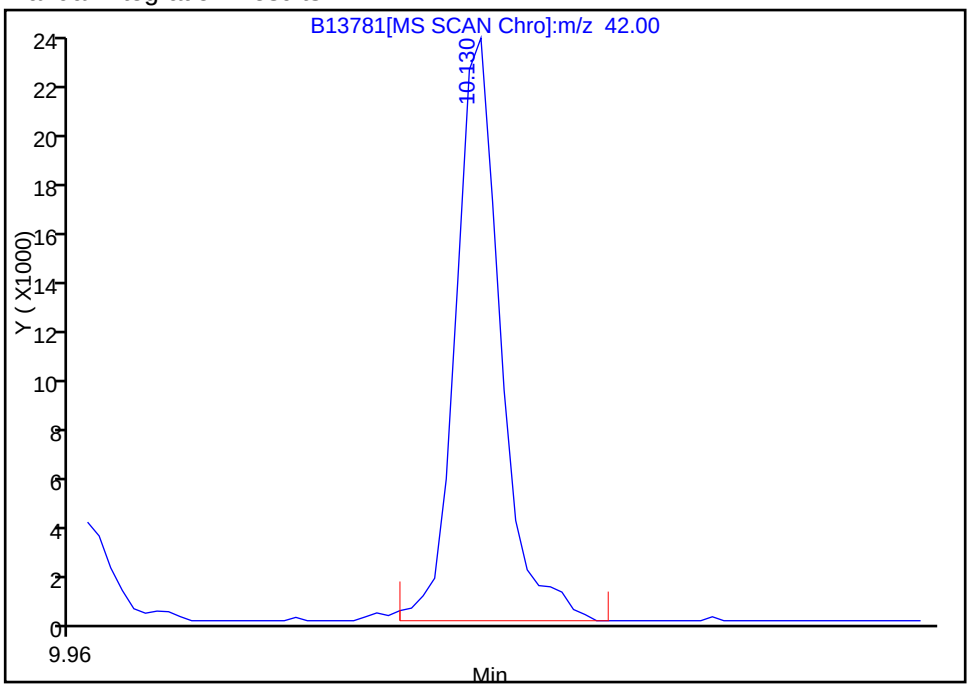
Processing Integration Results

Not Detected
Expected RT: 10.13



Manual Integration Results

RT: 10.13
Response: 30955
Amount: 4.940817



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

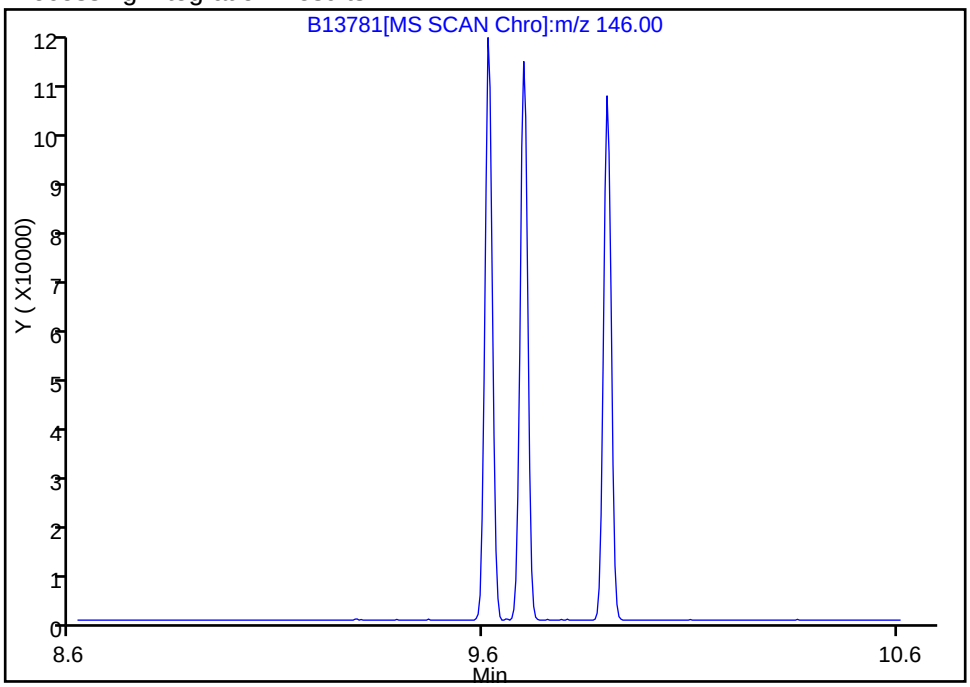
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

23 1,3-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 9.61

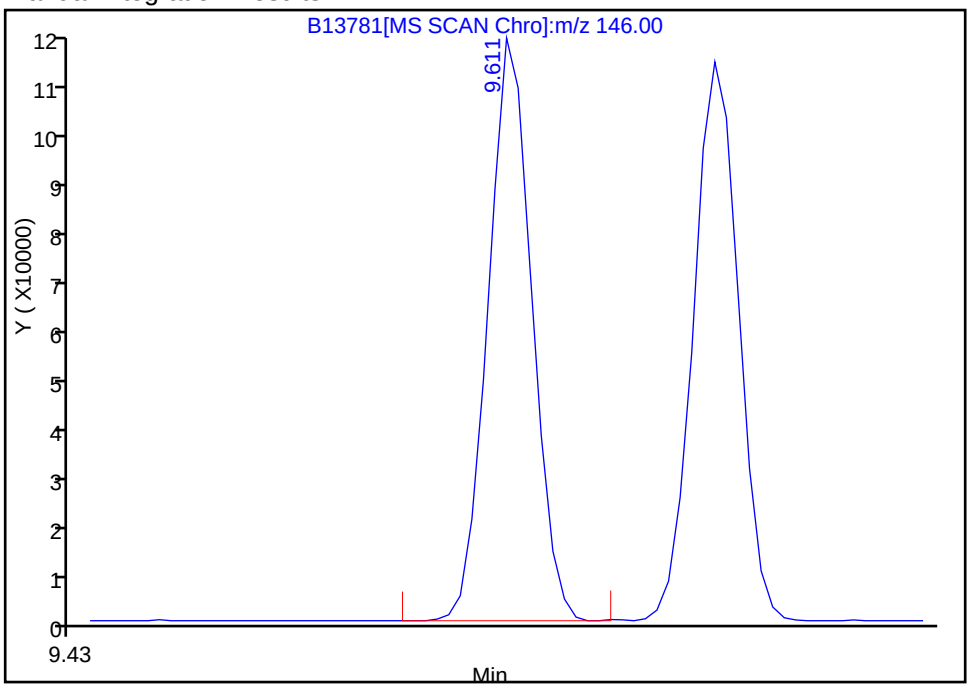
Not Detected
Expected RT: 9.61

Processing Integration Results



Manual Integration Results

RT: 9.61
Response: 149234
Amount: 5.086459



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

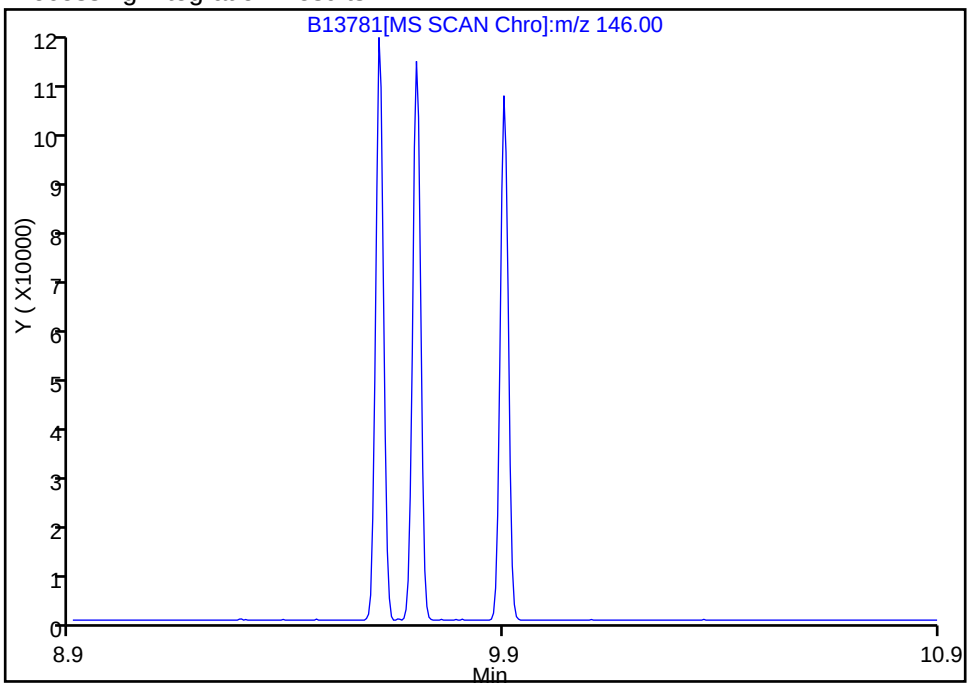
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

25 1,2-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 9.90

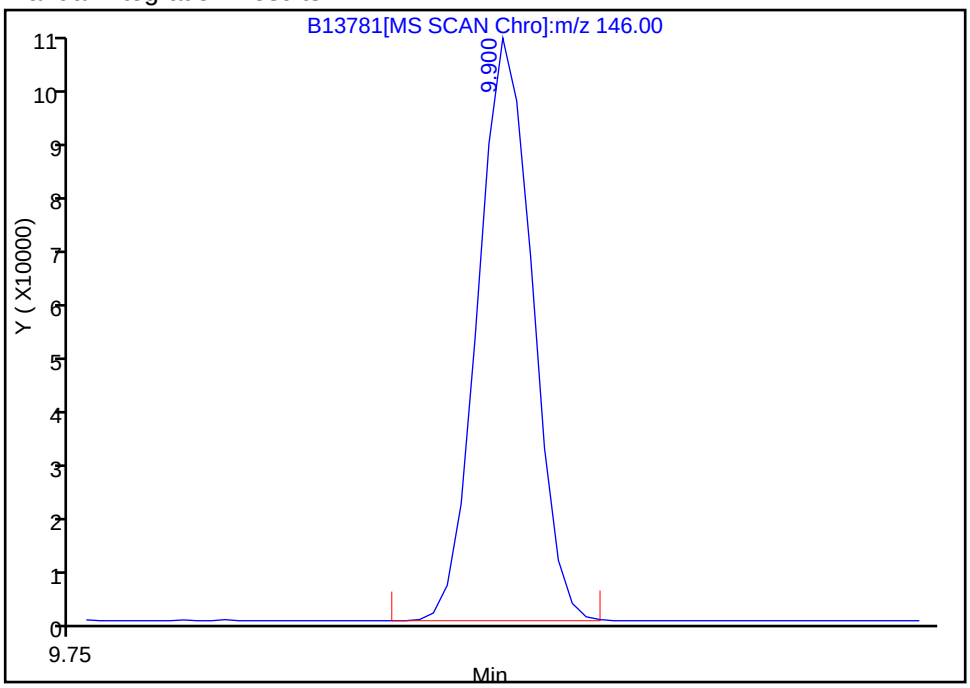
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Response: 138692
Amount: 4.934971



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

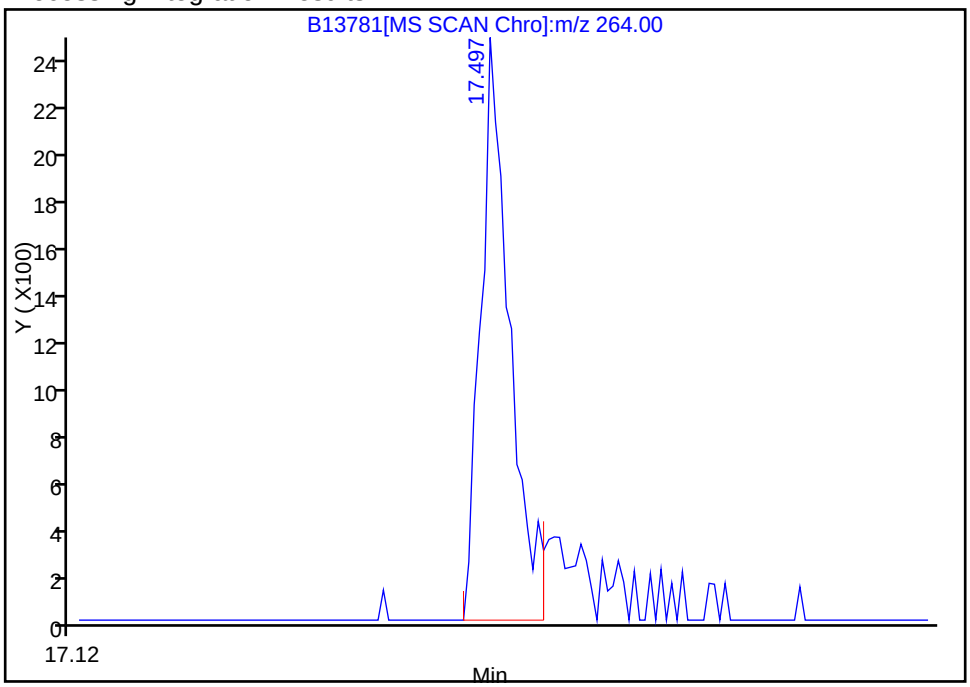
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

* 6 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 20.35

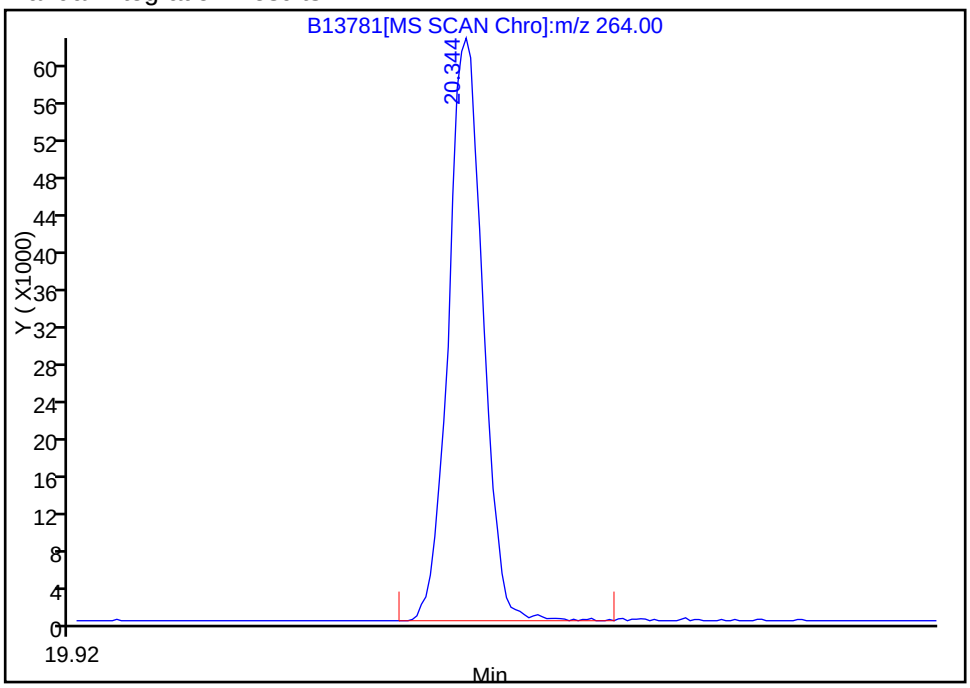
Processing Integration Results

RT: 17.50
Response: 4516
Amount: 4.000000



Manual Integration Results

RT: 20.34
Response: 161399
Amount: 4.000000



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

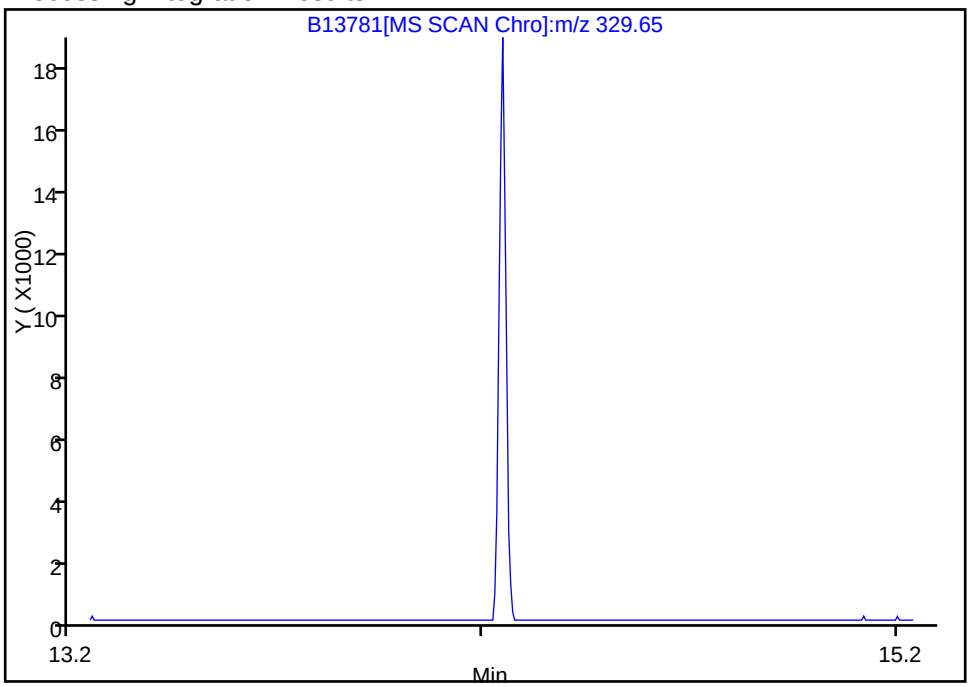
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.7 Type: quant, RT: 14.24

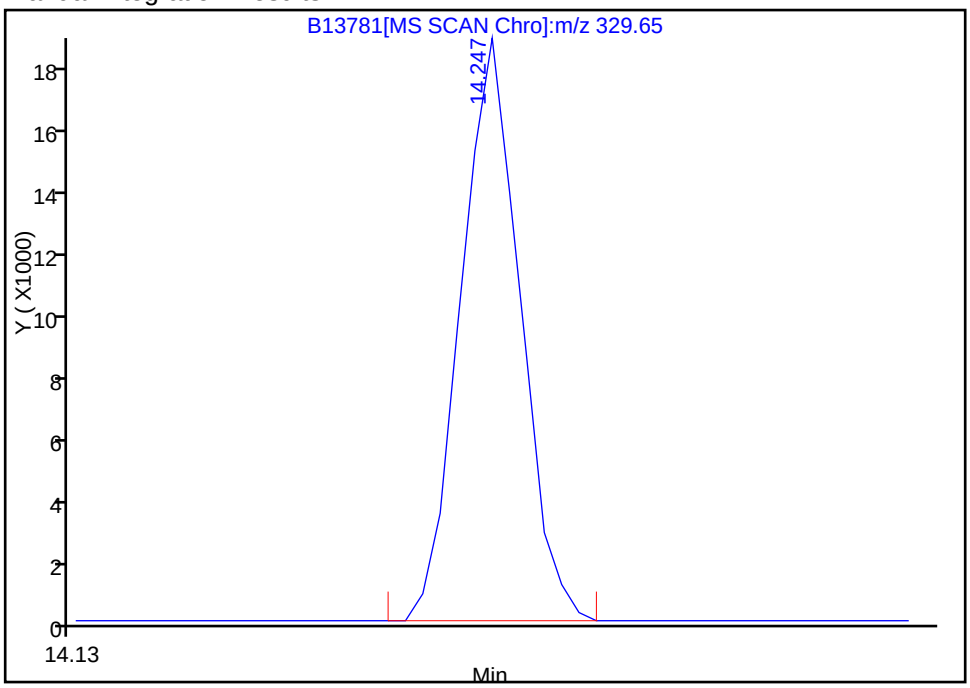
Processing Integration Results

Not Detected
Expected RT: 14.24



Manual Integration Results

RT: 14.25
Response: 21607
Amount: 4.637650



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

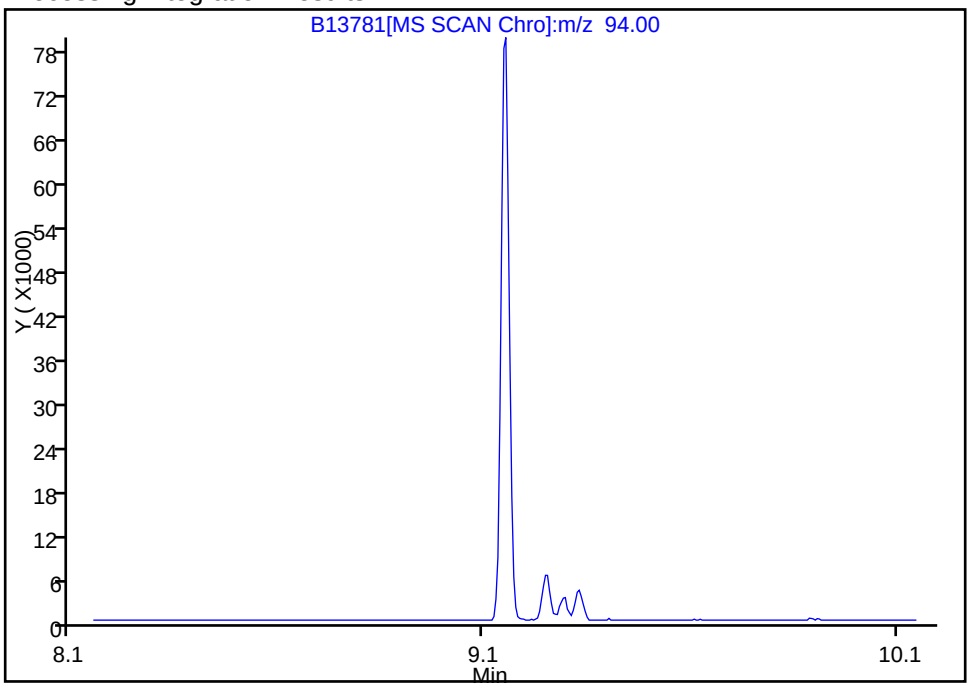
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

18 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 9.15

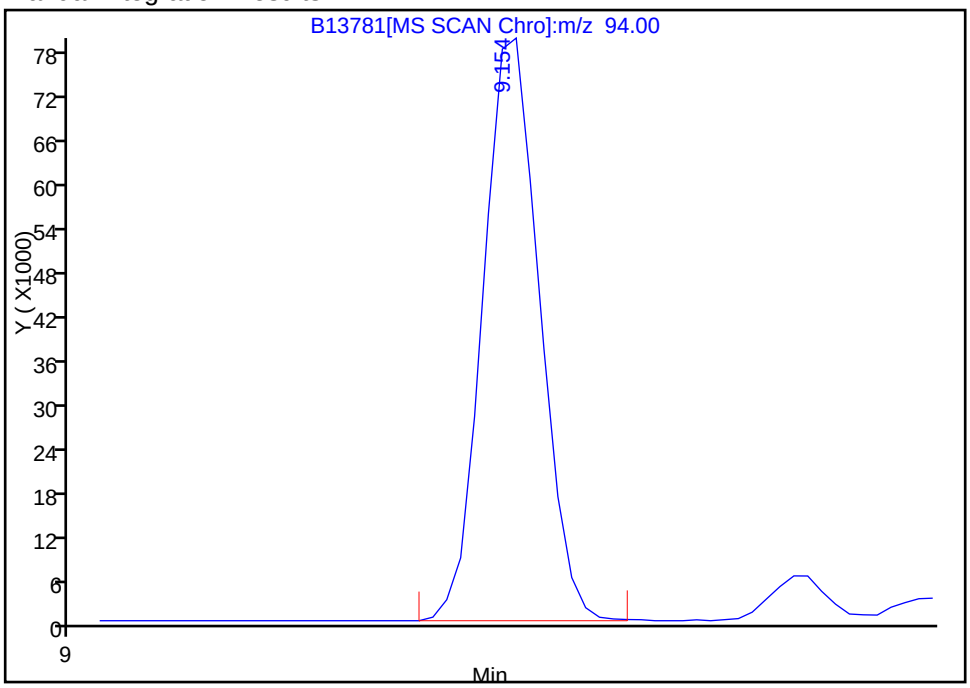
Processing Integration Results

Not Detected
Expected RT: 9.15



Manual Integration Results

RT: 9.15
Response: 107930
Amount: 5.047028



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

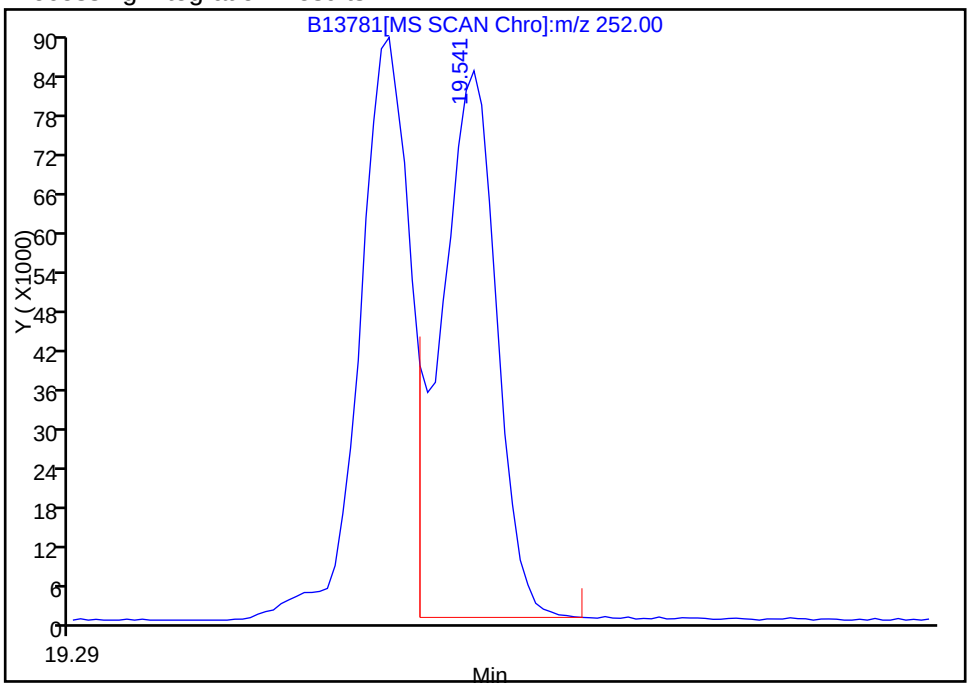
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 20.22

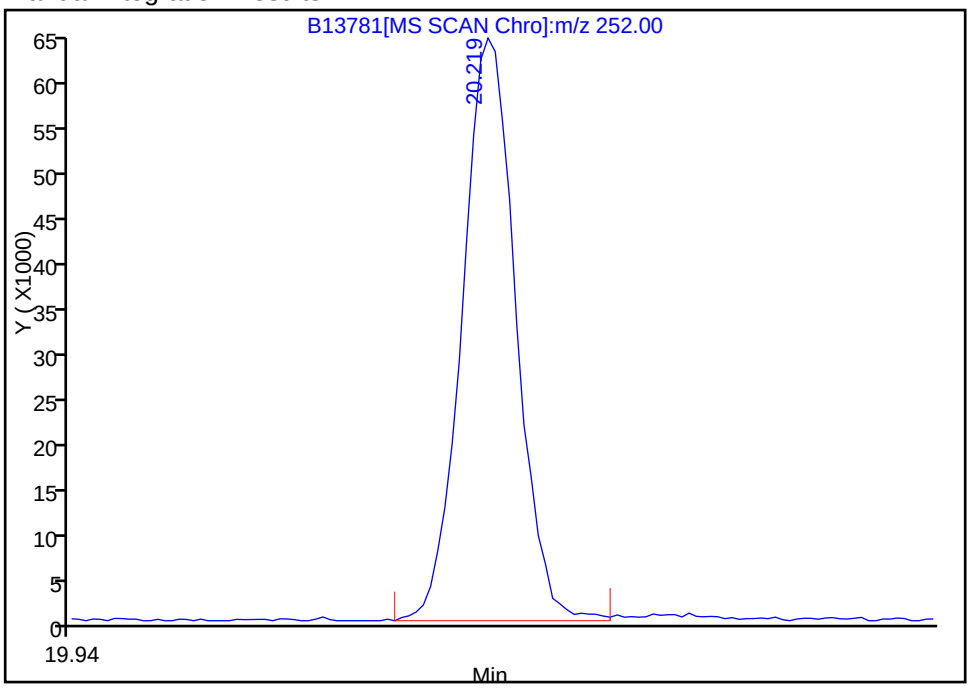
Processing Integration Results

RT: 19.54
Response: 205042
Amount: 5.150144



Manual Integration Results

RT: 20.22
Response: 160152
Amount: 4.748125



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

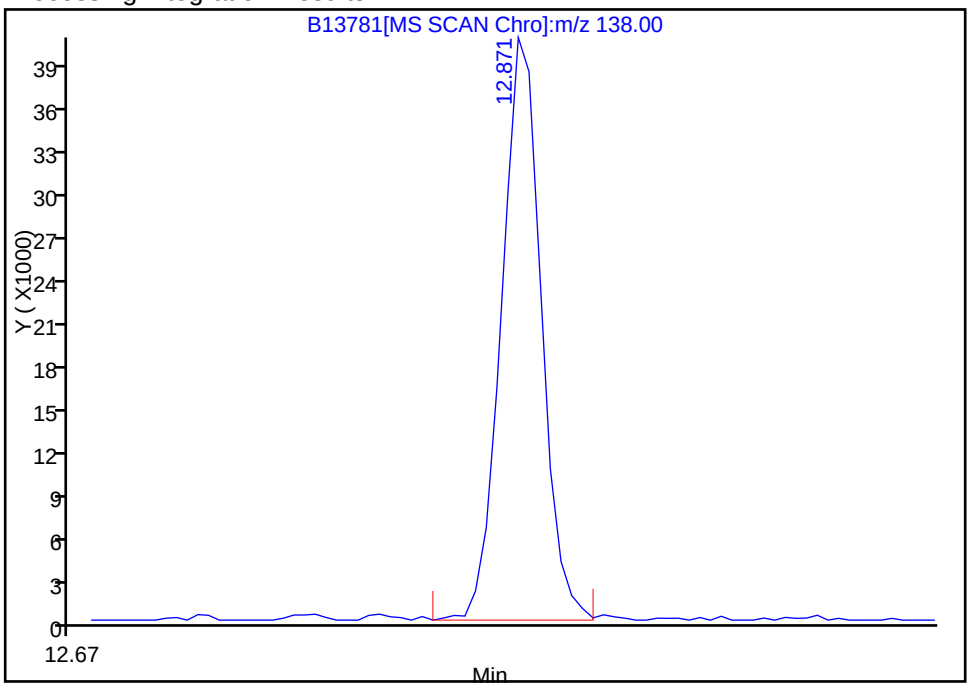
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

68 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 13.99

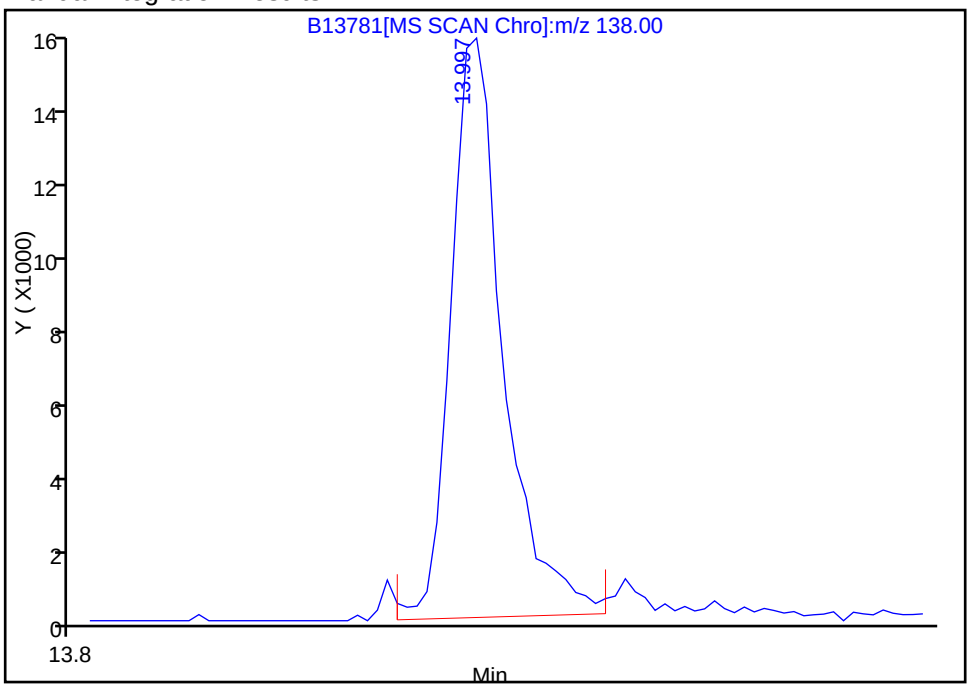
Processing Integration Results

RT: 12.87
Response: 50272
Amount: 4.594733



Manual Integration Results

RT: 14.00
Response: 26690
Amount: 4.164066



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

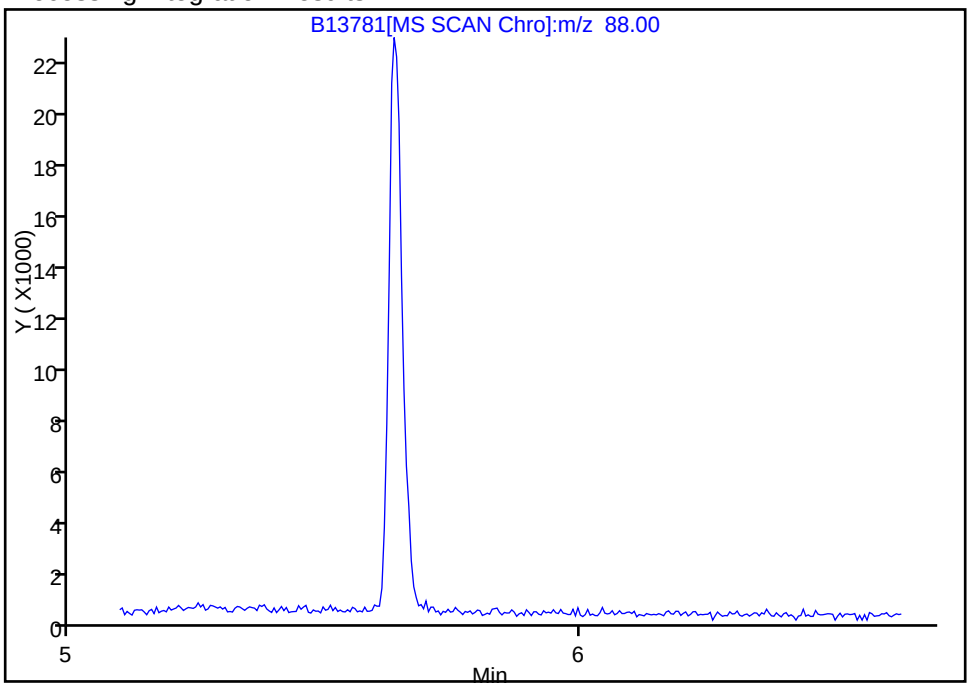
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

14 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 5.63

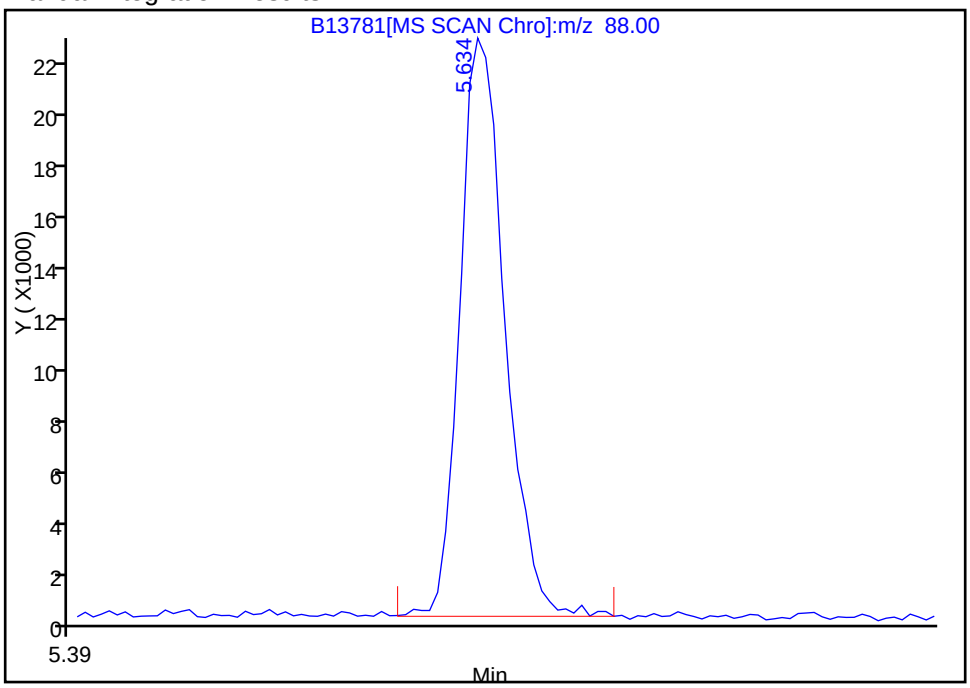
Processing Integration Results

Not Detected
Expected RT: 5.63



Manual Integration Results

RT: 5.63
Response: 41431
Amount: 5.013538



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

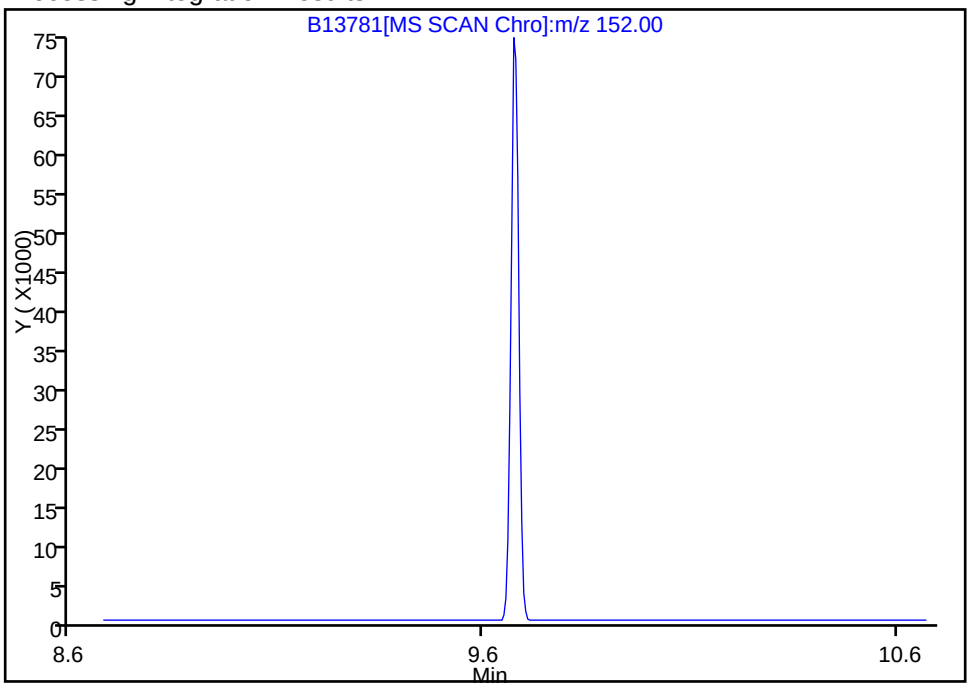
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

* 1 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 9.68

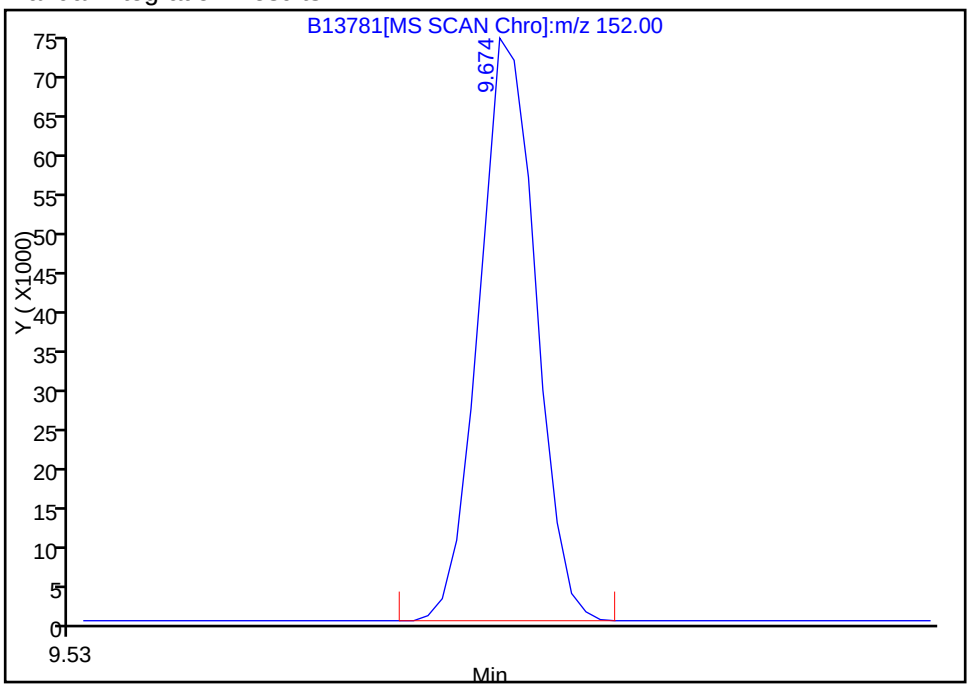
Processing Integration Results

Not Detected
Expected RT: 9.68



Manual Integration Results

RT: 9.67
Response: 98920
Amount: 4.000000



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

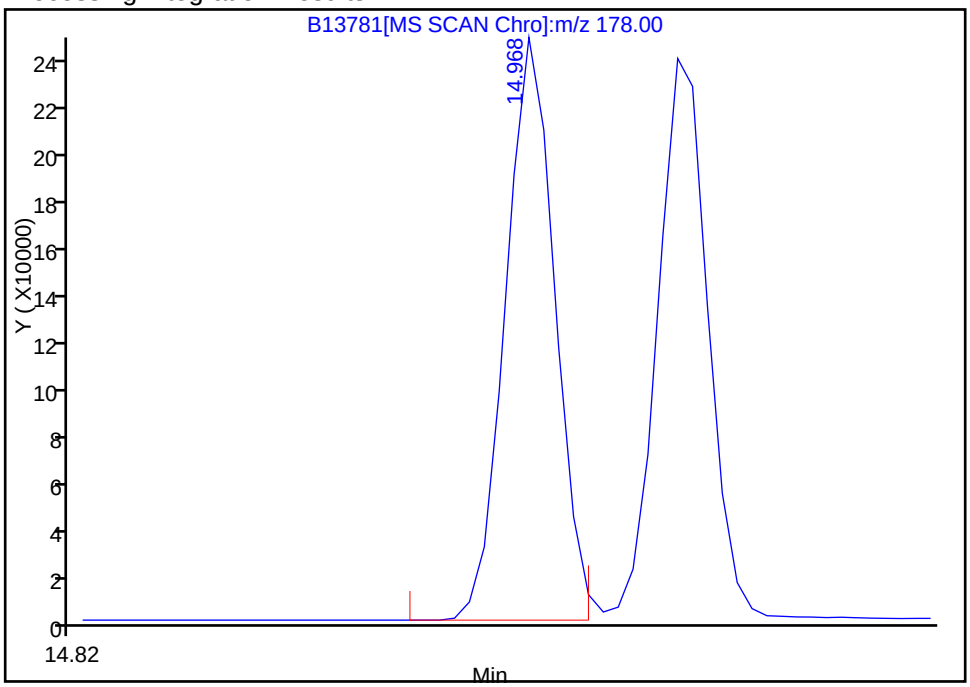
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

81 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 15.02

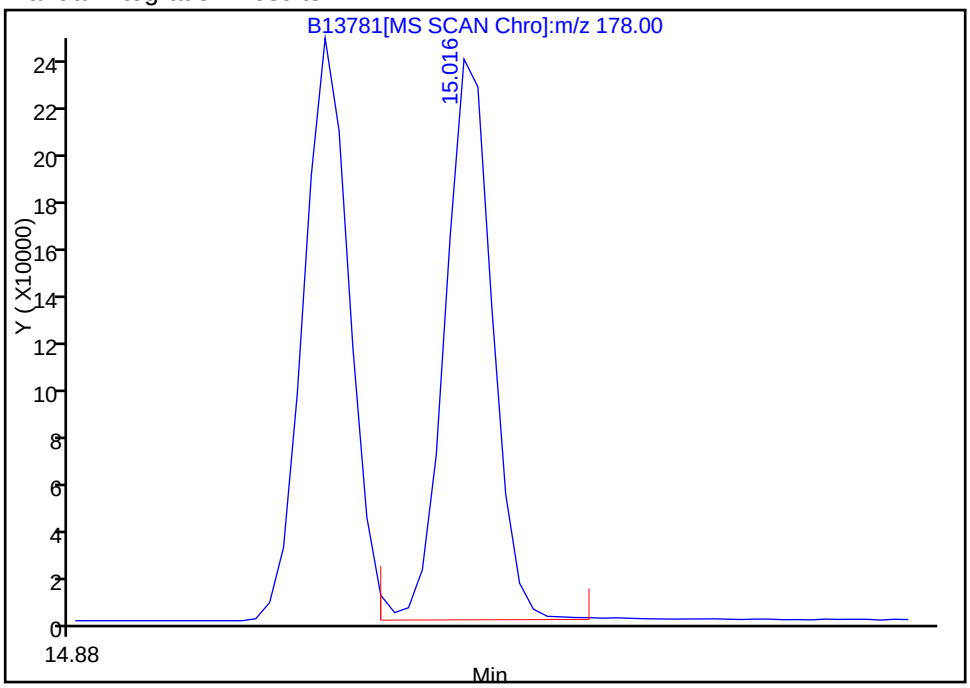
Processing Integration Results

RT: 14.97
Response: 275087
Amount: 3.737170



Manual Integration Results

RT: 15.02
Response: 273802
Amount: 5.043774



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

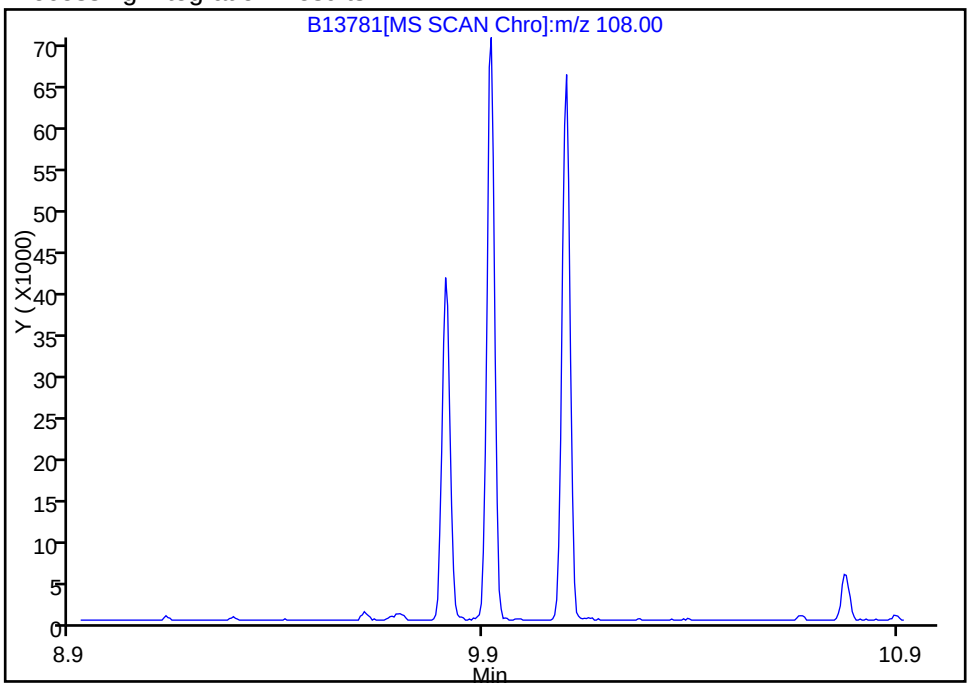
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

26 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 9.92

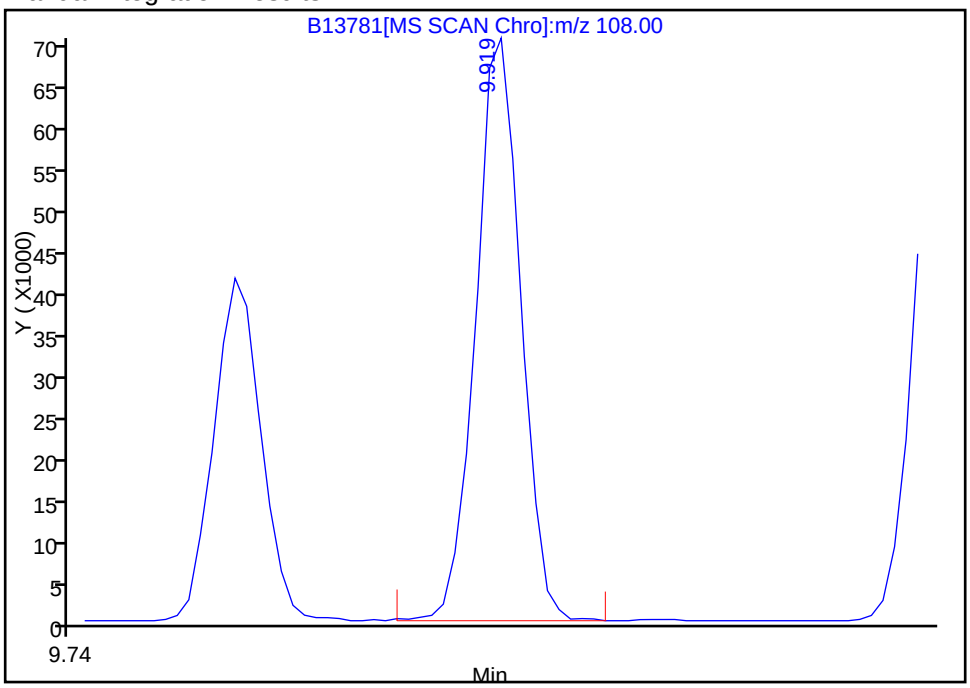
Processing Integration Results

Not Detected
Expected RT: 9.92



Manual Integration Results

RT: 9.92
Response: 91730
Amount: 5.050094



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

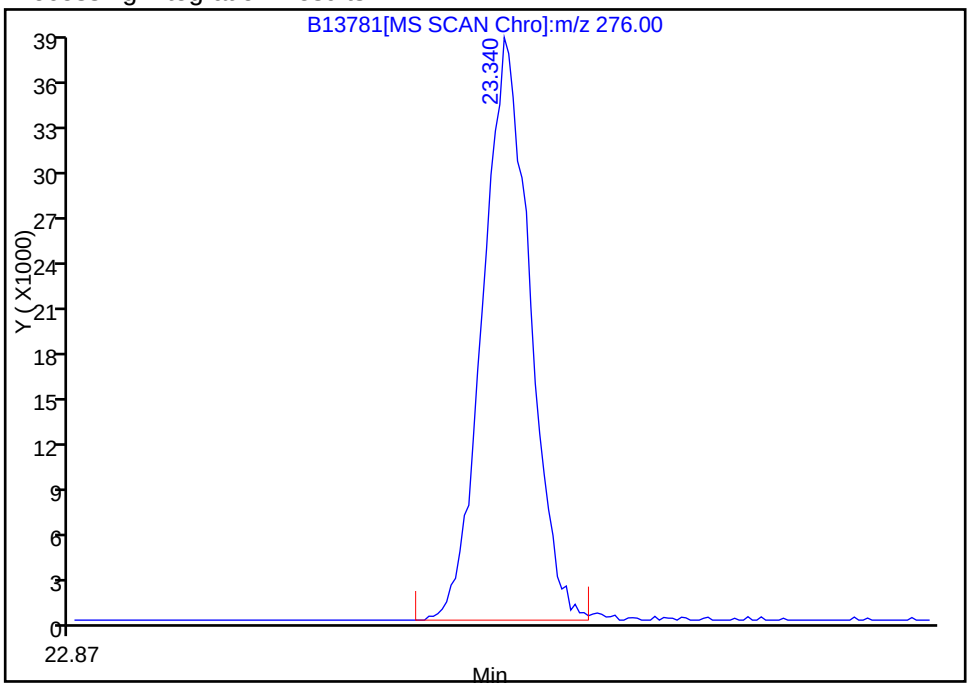
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 24.30

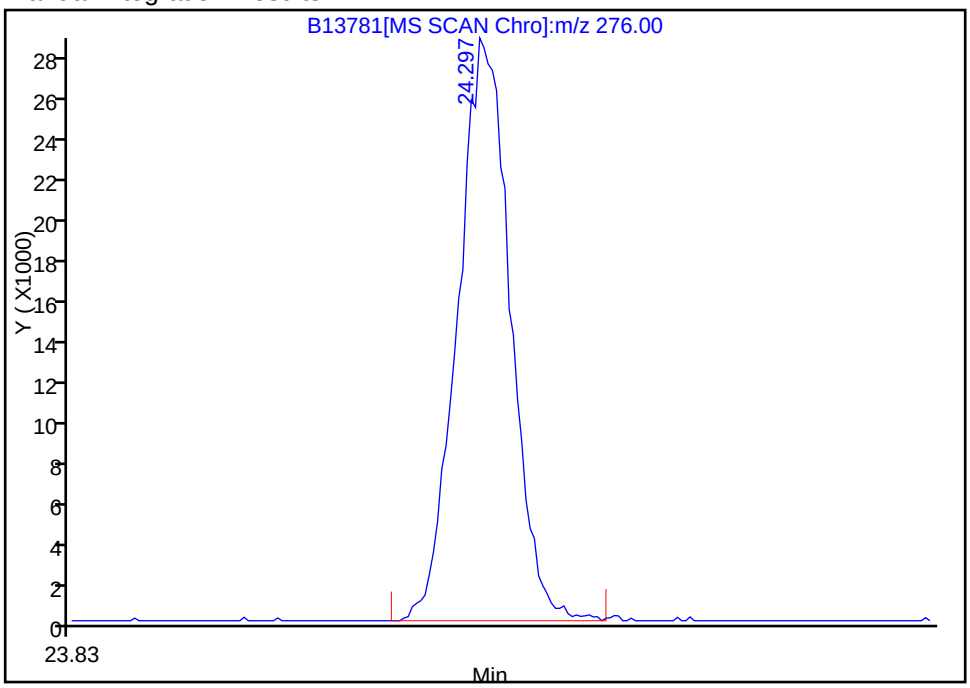
Processing Integration Results

RT: 23.34
Response: 135455
Amount: 5.109786



Manual Integration Results

RT: 24.30
Response: 118095
Amount: 5.096855



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

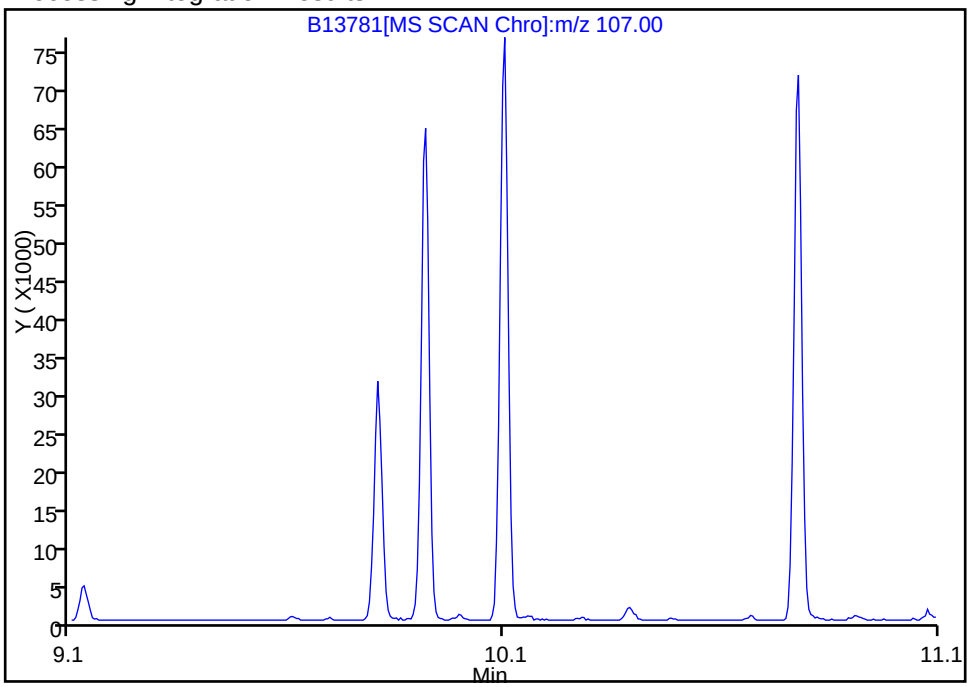
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

28 3 & 4 Methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 10.10

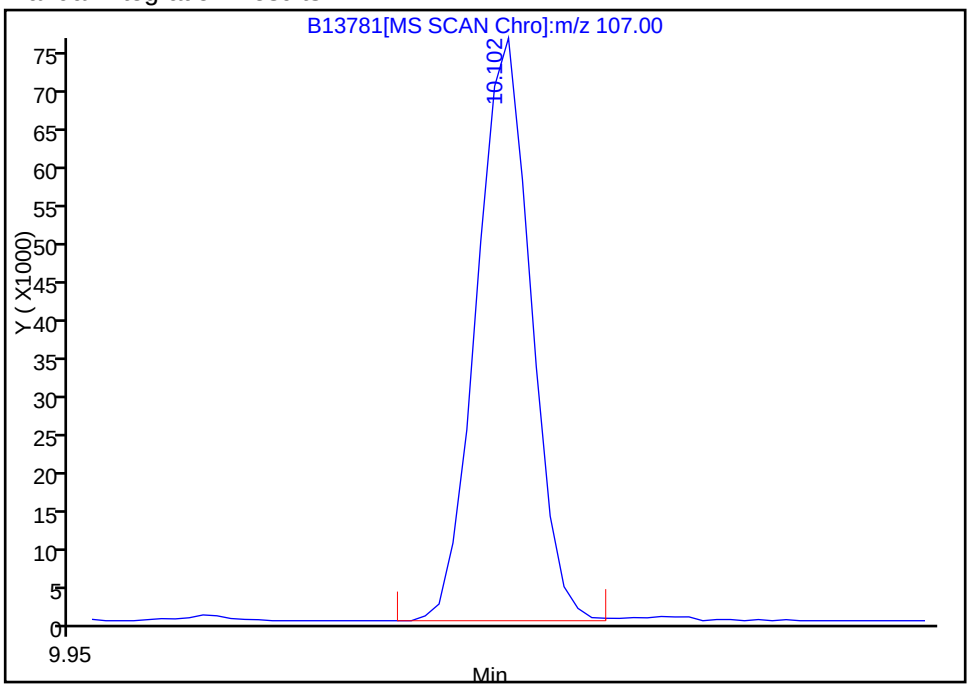
Processing Integration Results

Not Detected
Expected RT: 10.10



Manual Integration Results

RT: 10.10
Response: 99442
Amount: 4.988145



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

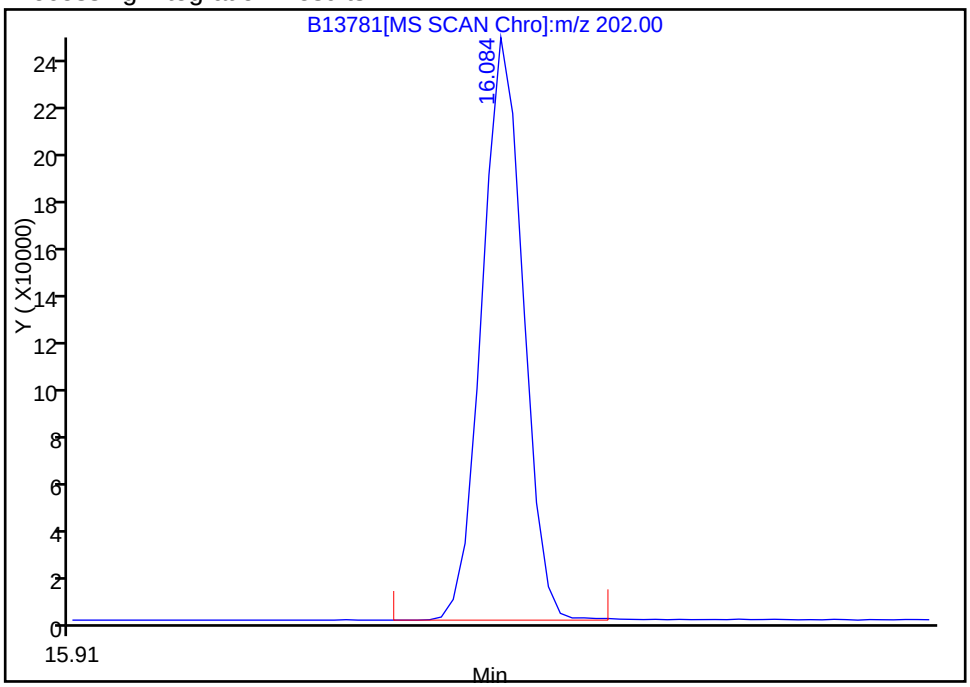
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 16.32

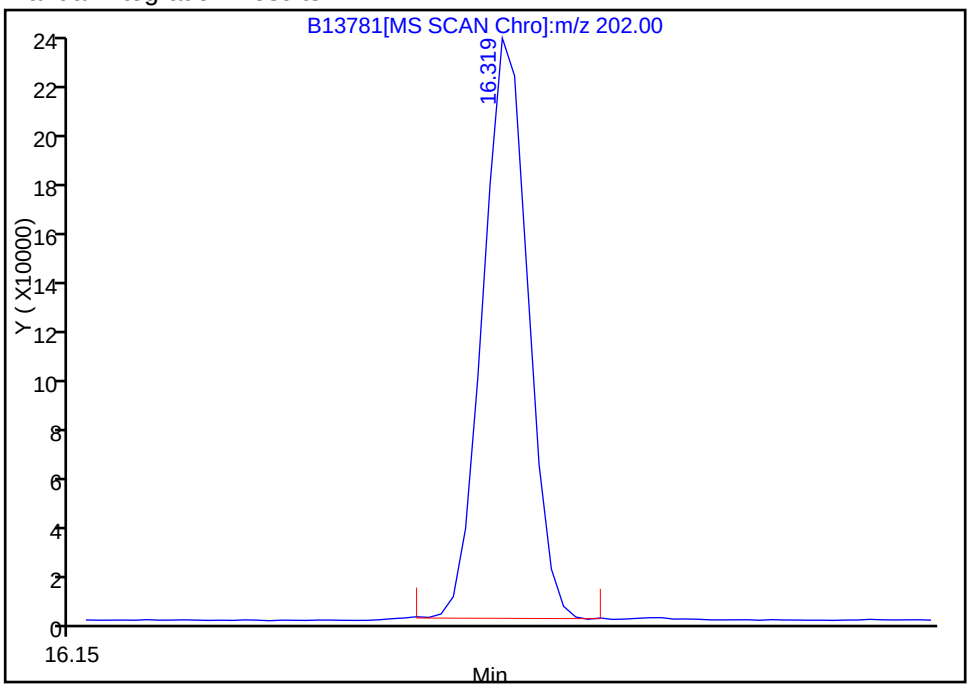
Processing Integration Results

RT: 16.08
Response: 283655
Amount: 3.811340



Manual Integration Results

RT: 16.32
Response: 284576
Amount: 5.196539



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

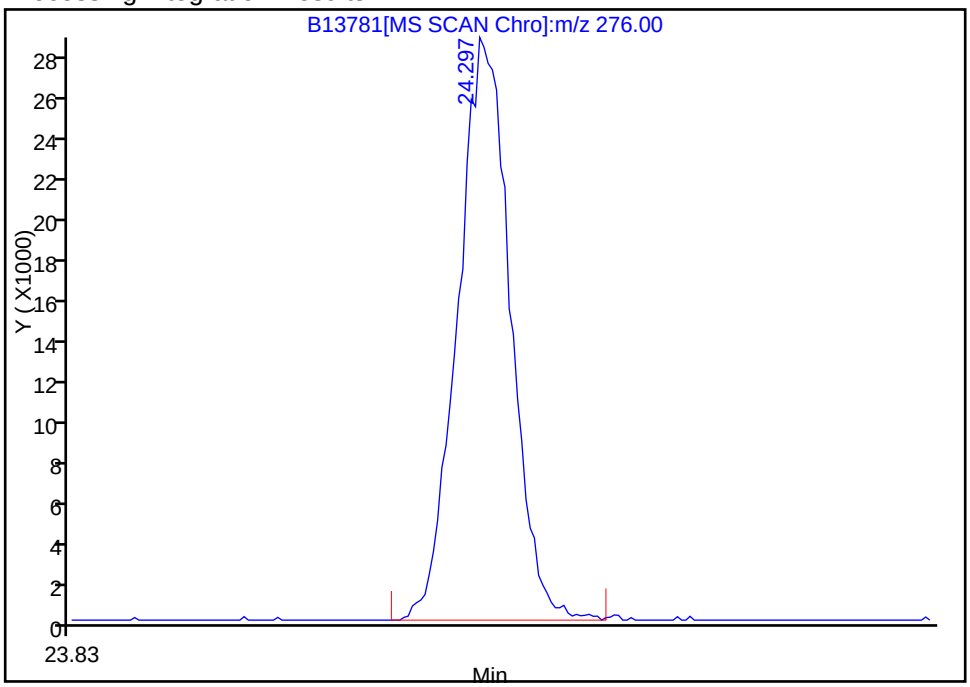
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

100 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 23.34

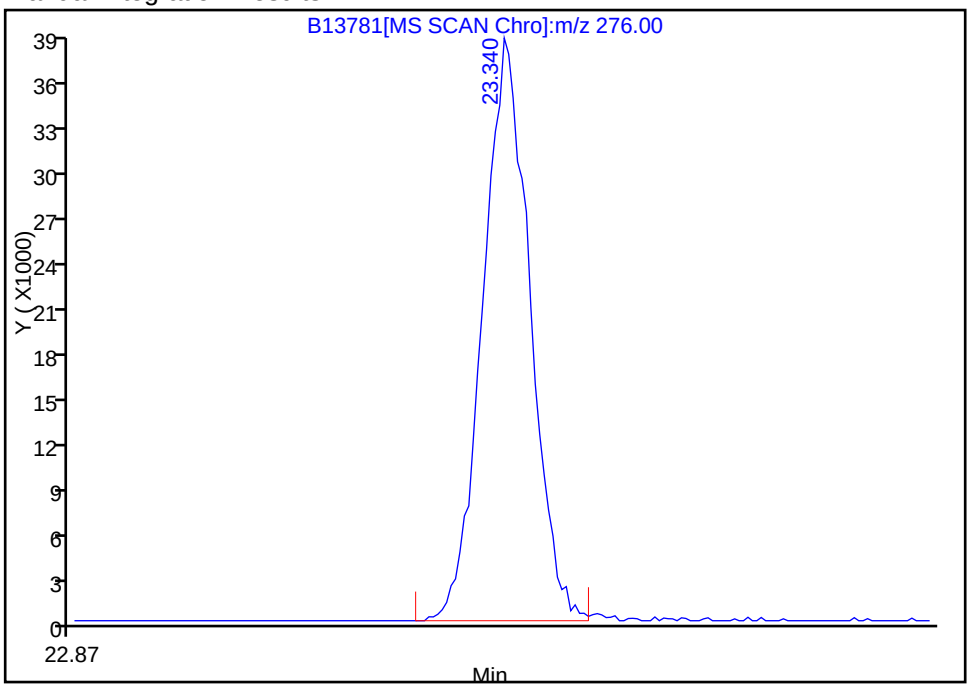
Processing Integration Results

RT: 24.30
Response: 118095
Amount: 3.839745



Manual Integration Results

RT: 23.34
Response: 135455
Amount: 5.029049



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

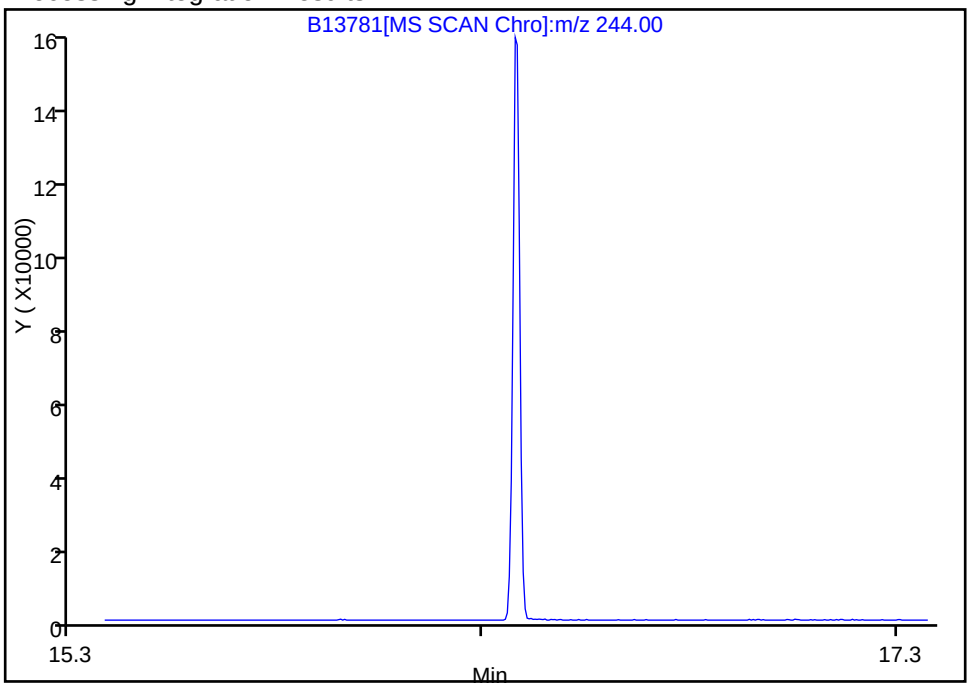
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

$ 12 Terphenyl-d14, Signal: 1, m/z: 244.0 Type: quant, RT: 16.38

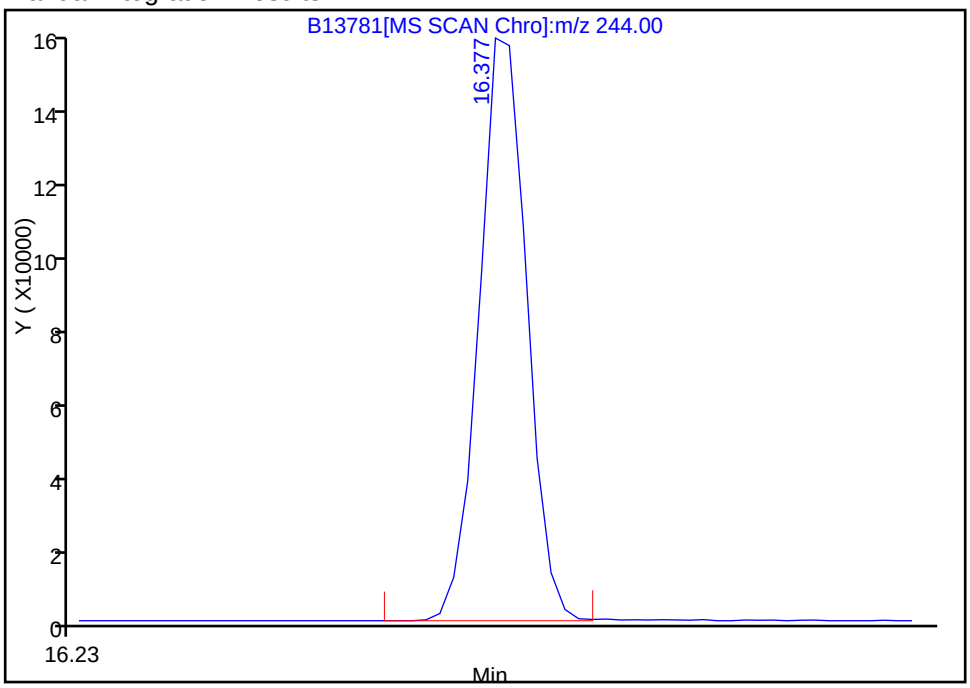
Processing Integration Results

Not Detected
Expected RT: 16.38



Manual Integration Results

RT: 16.38
Response: 181487
Amount: 5.119731



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

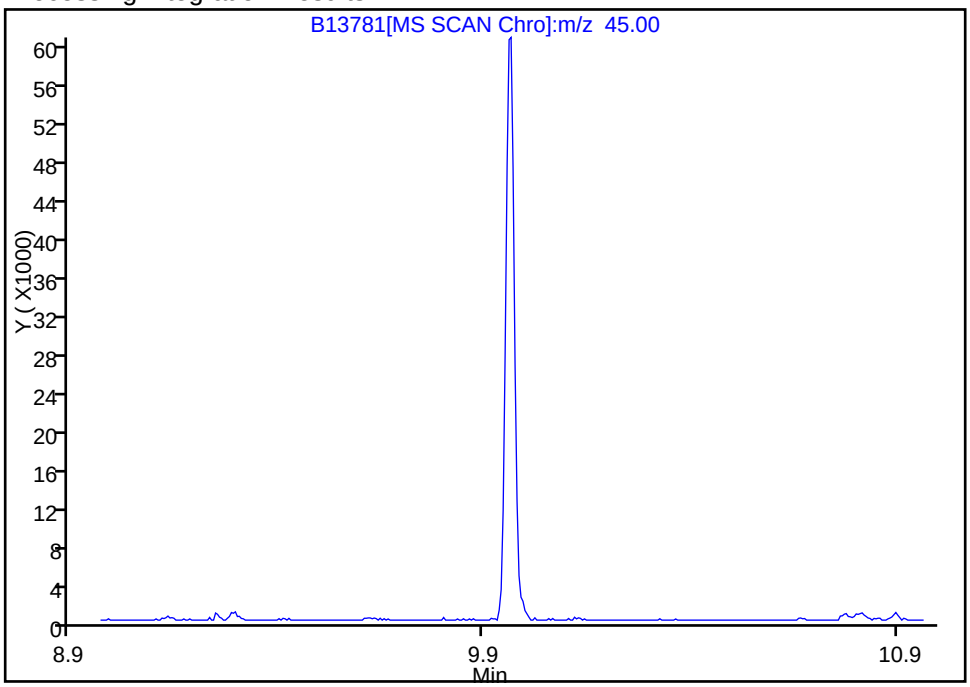
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

27 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 9.97

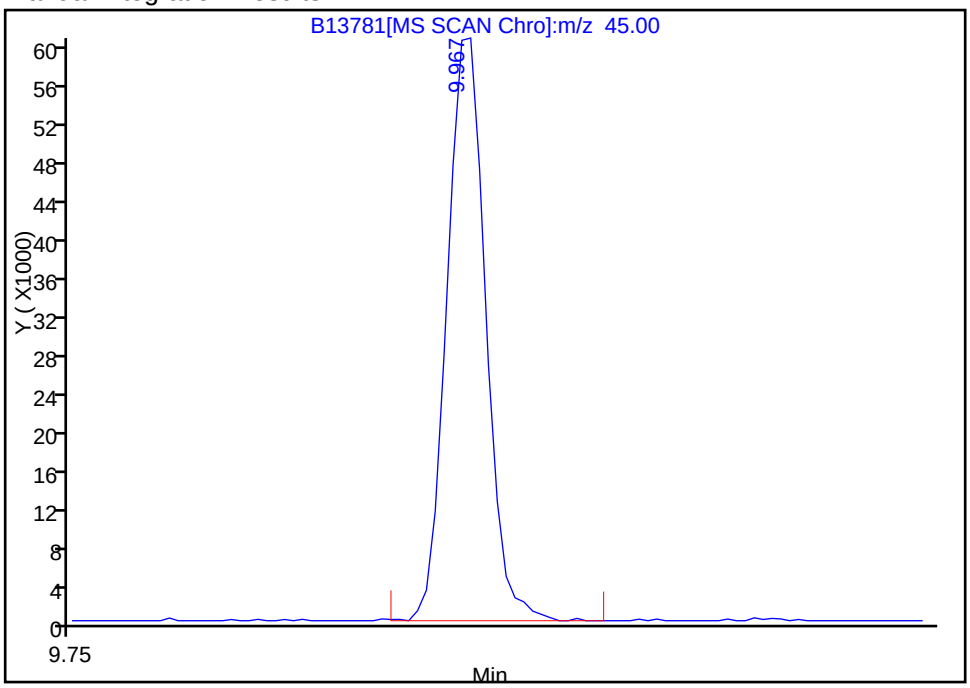
Not Detected
Expected RT: 9.97

Processing Integration Results



Manual Integration Results

RT: 9.97
Response: 88941
Amount: 5.082830



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

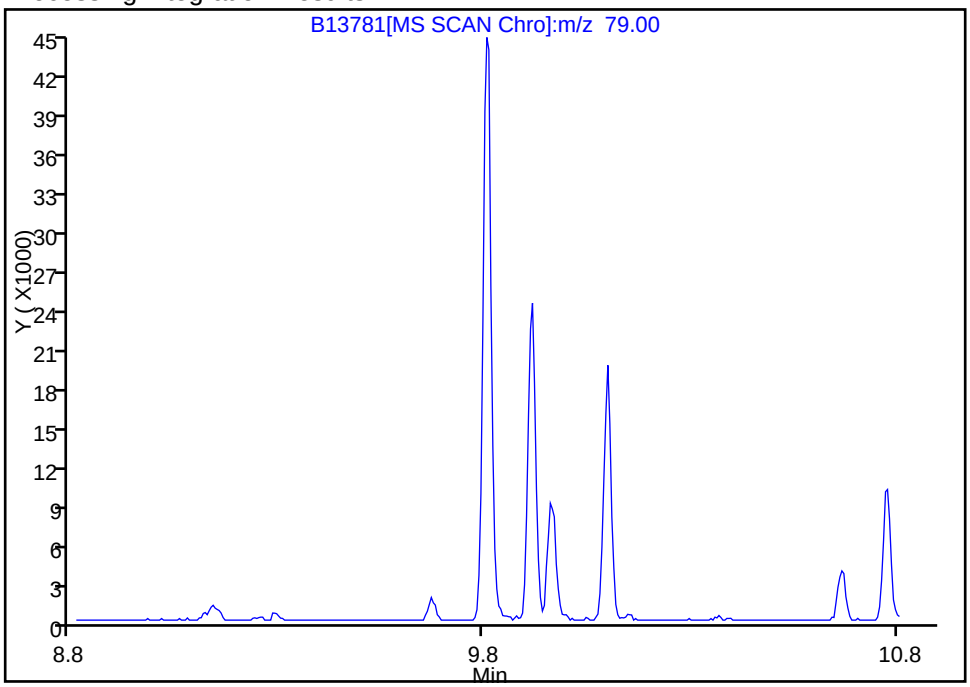
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

24 Benzyl alcohol, Signal: 1, m/z: 79.0 Type: quant, RT: 9.81

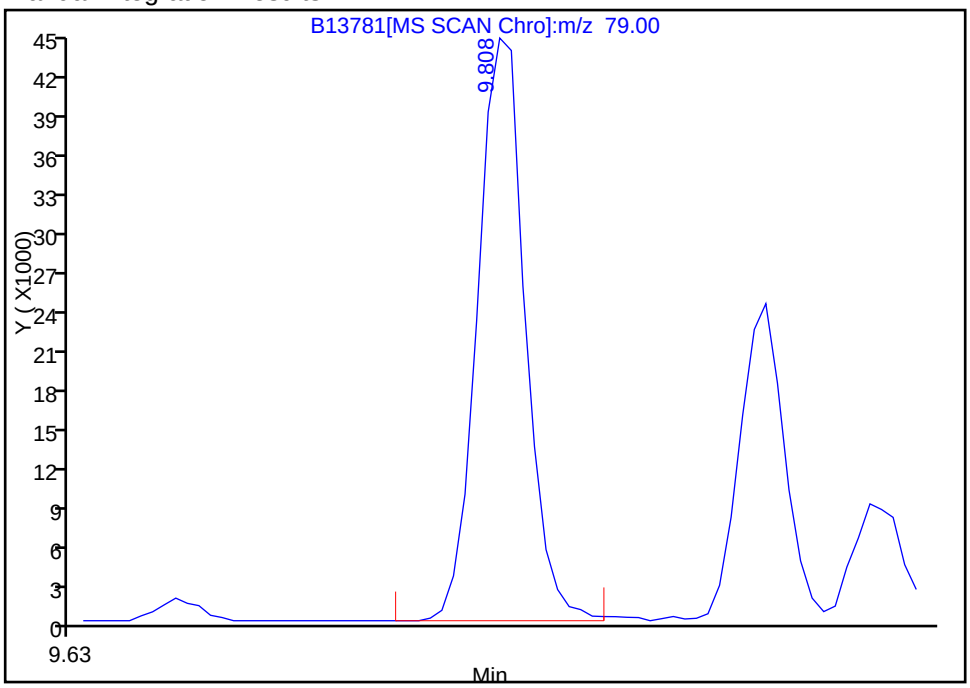
Not Detected
Expected RT: 9.81

Processing Integration Results



Manual Integration Results

RT: 9.81
Response: 61656
Amount: 4.951806



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

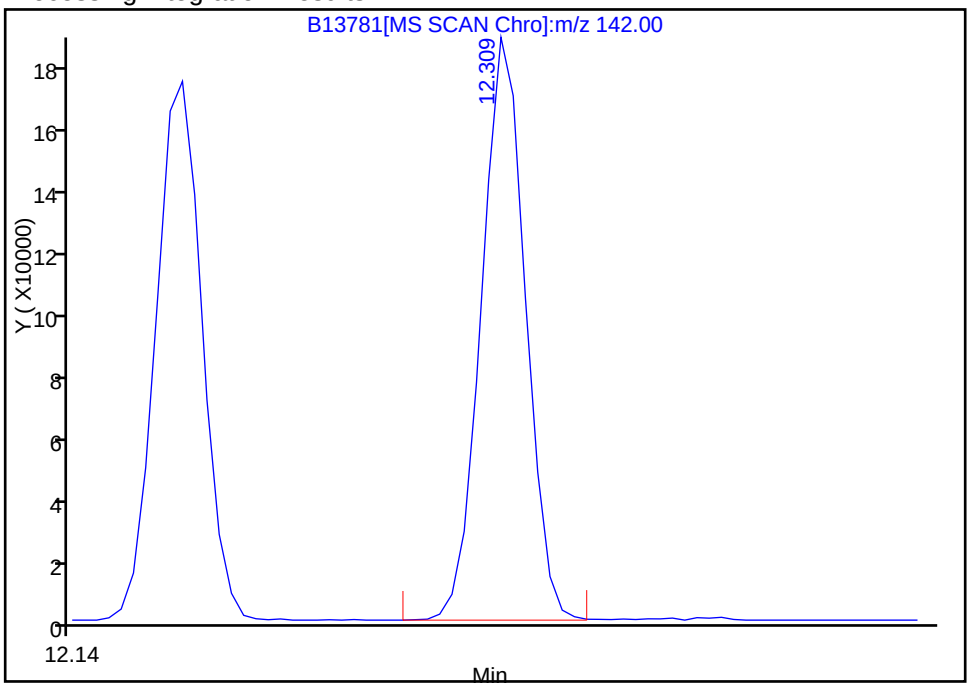
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

46 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 12.18

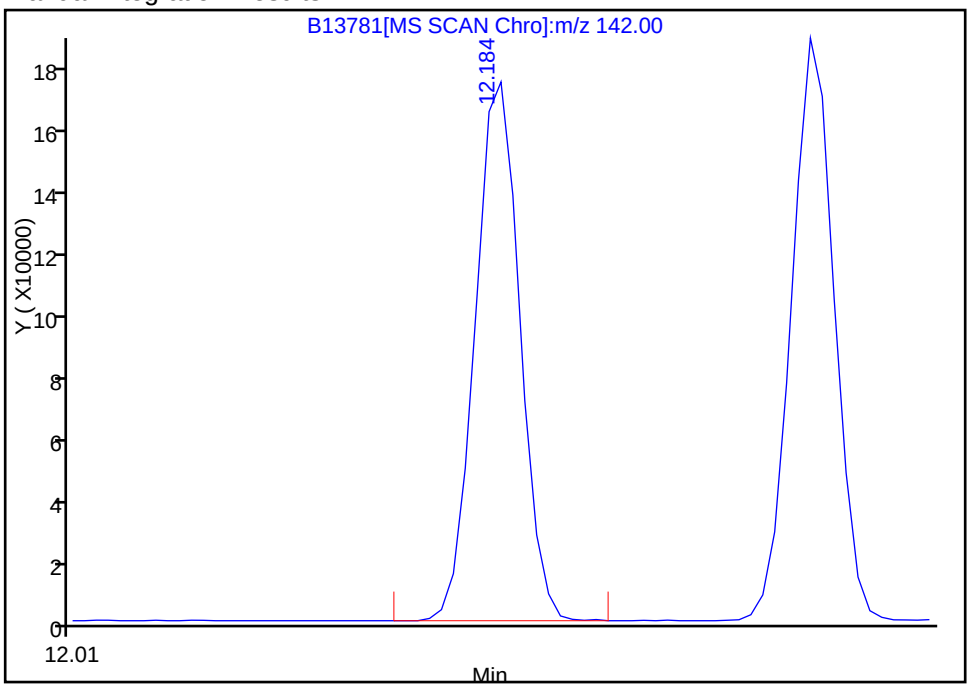
Processing Integration Results

RT: 12.31
Response: 223547
Amount: 4.165569



Manual Integration Results

RT: 12.18
Response: 216135
Amount: 4.991844



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

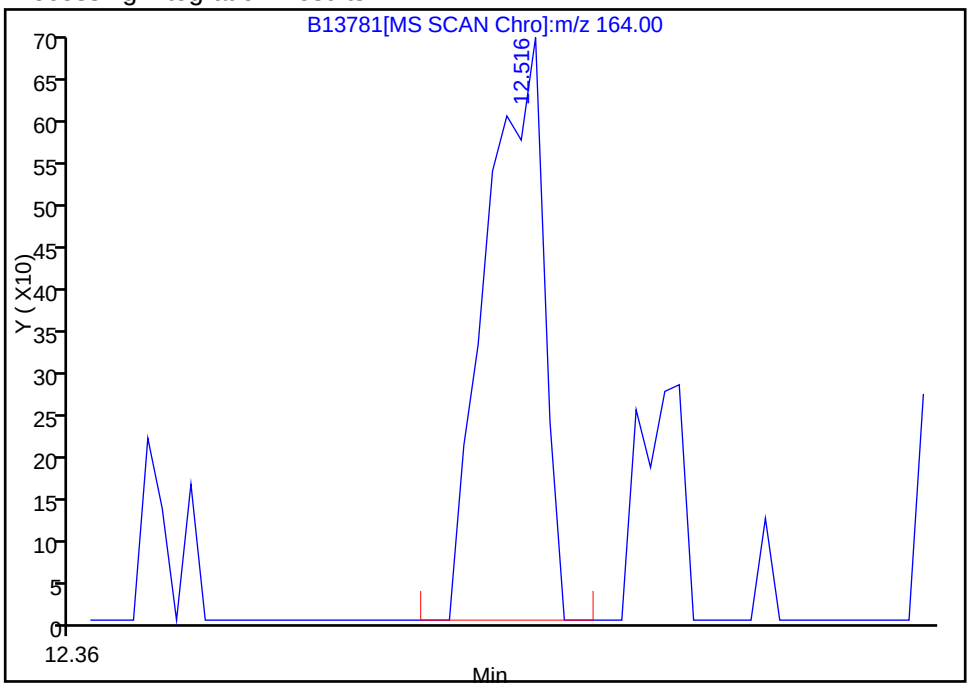
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

* 3 Acenaphthene-d10, Signal: 1, m/z: 164.0 Type: quant, RT: 13.41

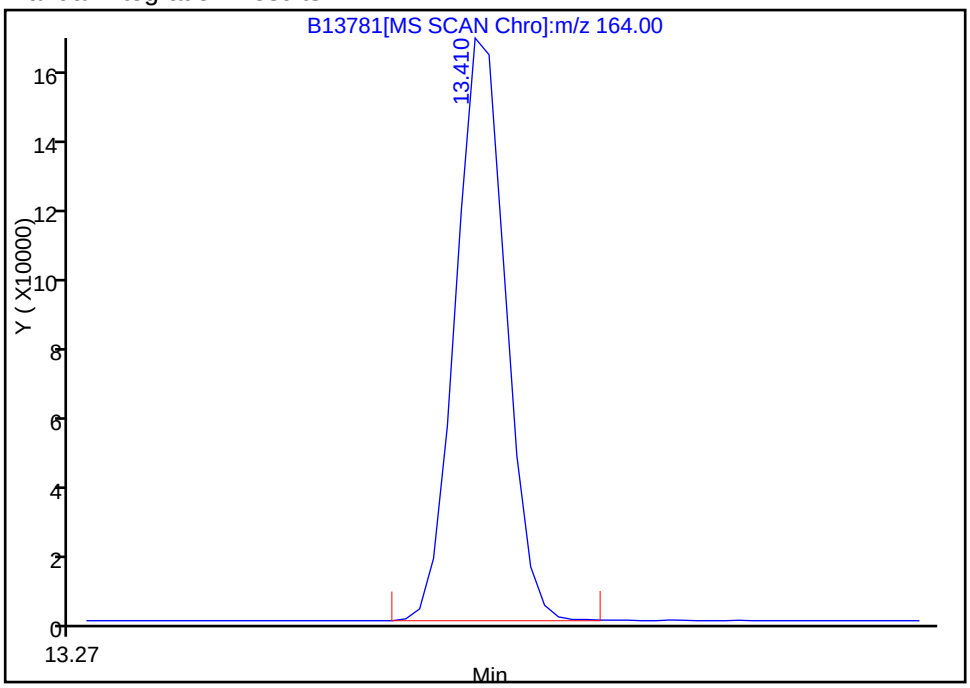
Processing Integration Results

RT: 12.52
Response: 921
Amount: 4.000000



Manual Integration Results

RT: 13.41
Response: 196557
Amount: 4.000000



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

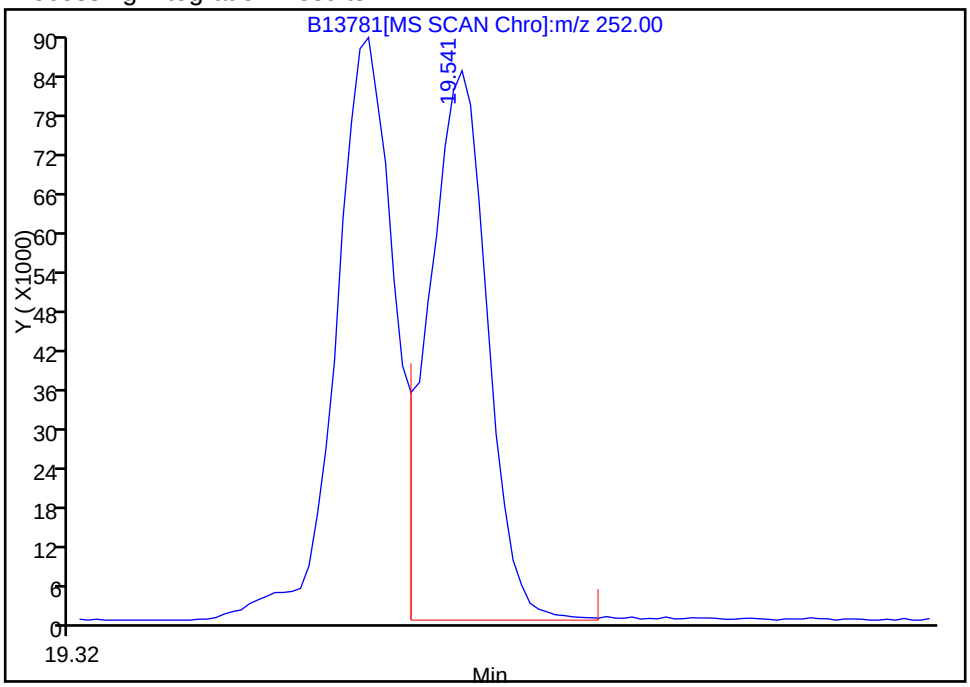
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.49

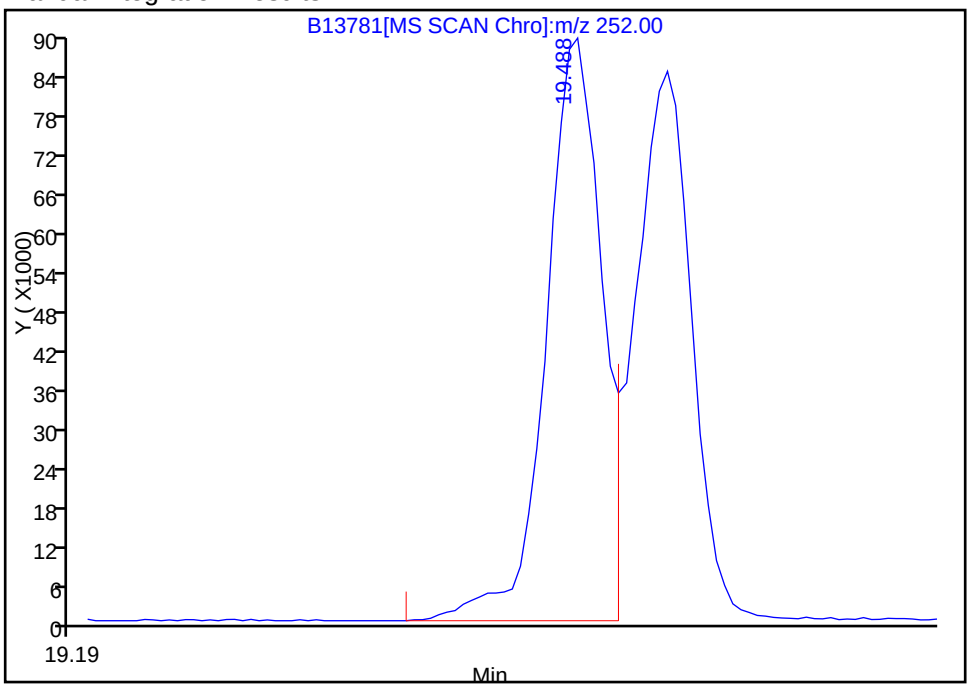
Processing Integration Results

RT: 19.54
Response: 196591
Amount: 3.819448



Manual Integration Results

RT: 19.49
Response: 207384
Amount: 4.957745



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

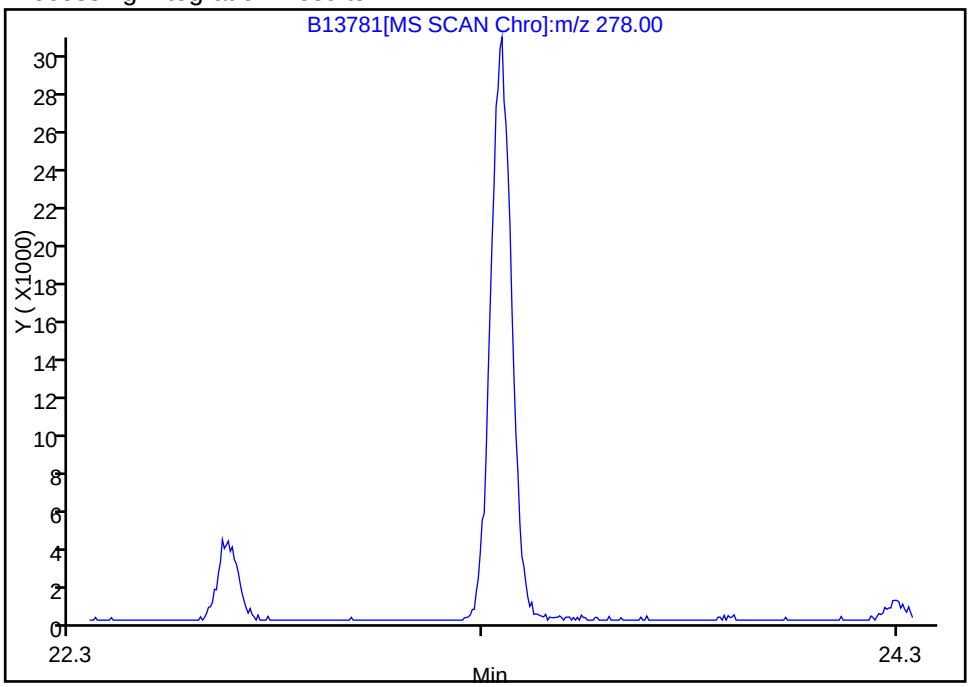
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

101 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 23.34

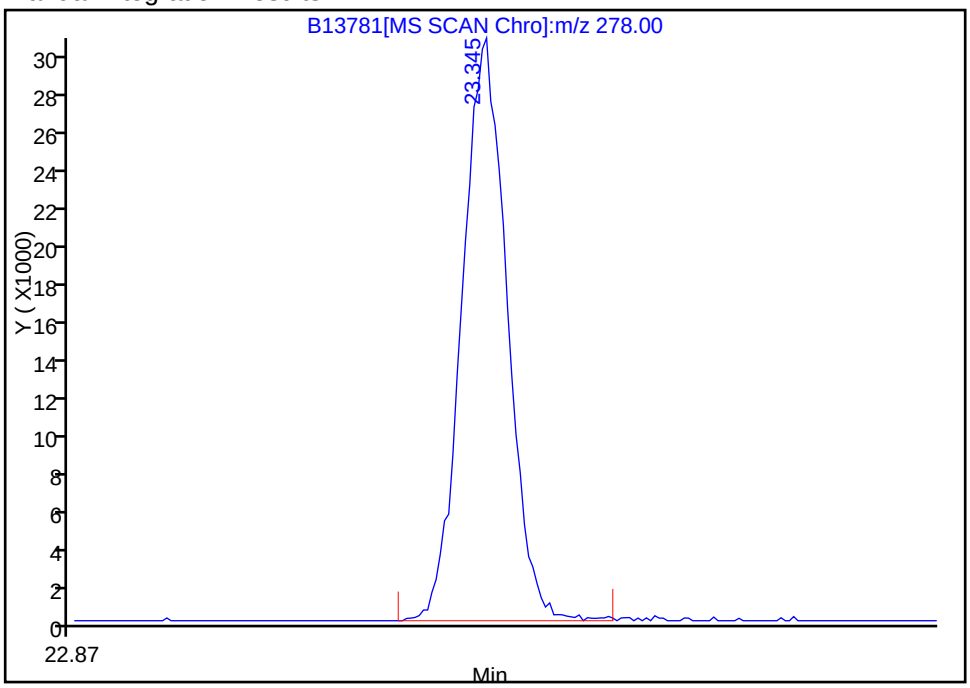
Not Detected
Expected RT: 23.34

Processing Integration Results



Manual Integration Results

RT: 23.34
Response: 110013
Amount: 4.789442



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

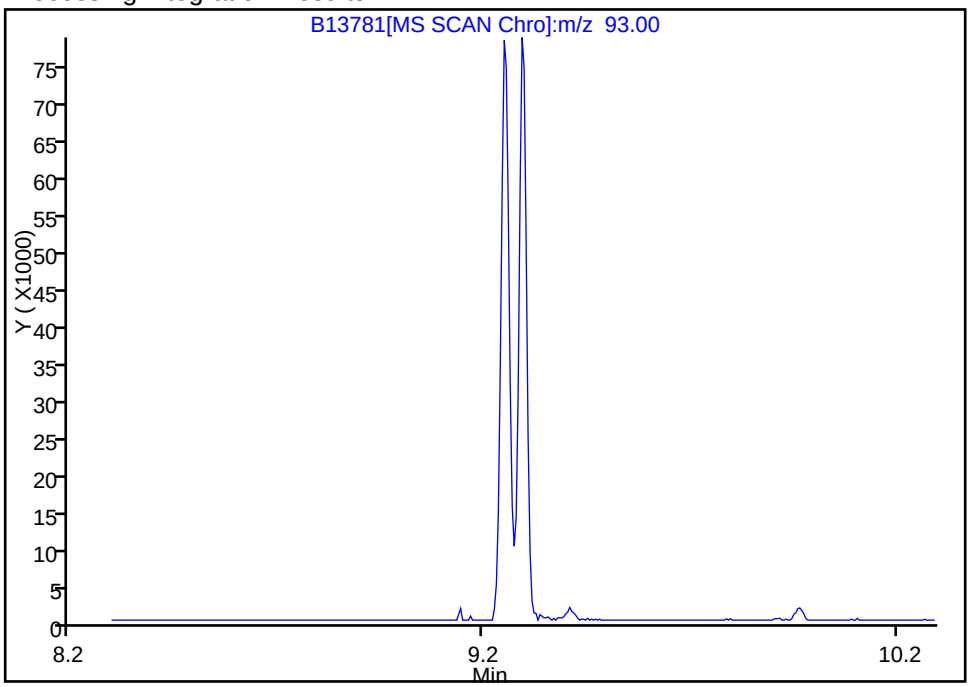
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

20 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 9.30

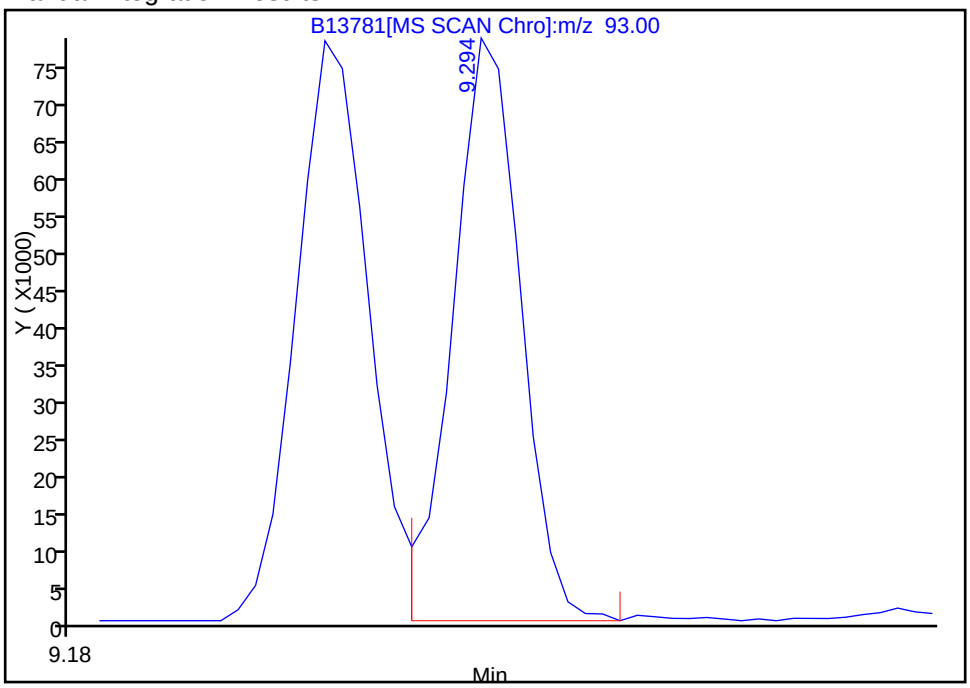
Processing Integration Results

Not Detected
Expected RT: 9.30



Manual Integration Results

RT: 9.29
Response: 102825
Amount: 5.078675



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

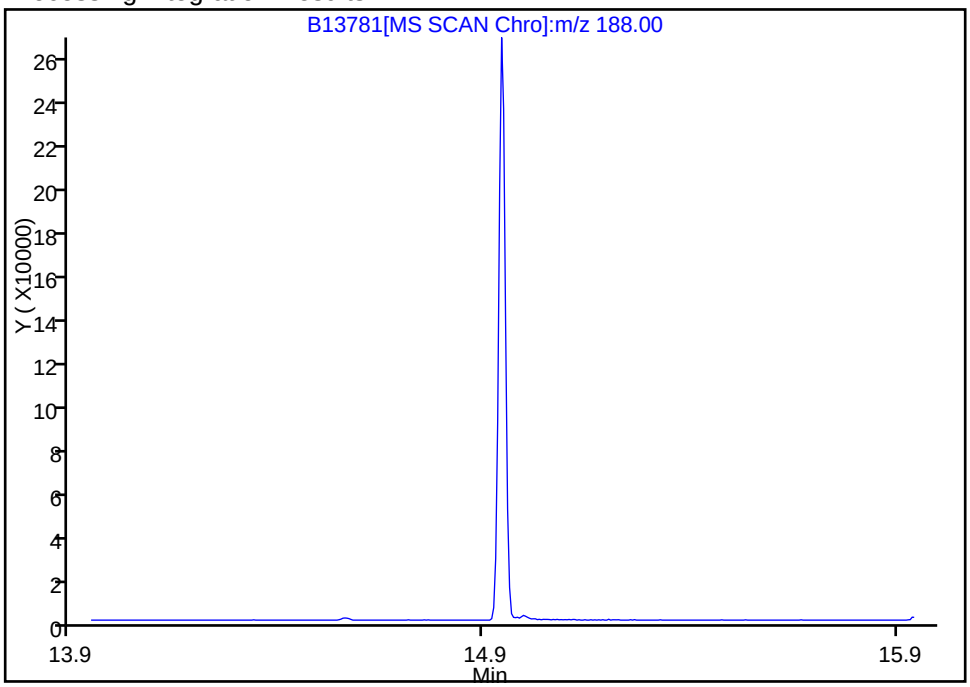
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

* 4 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 14.95

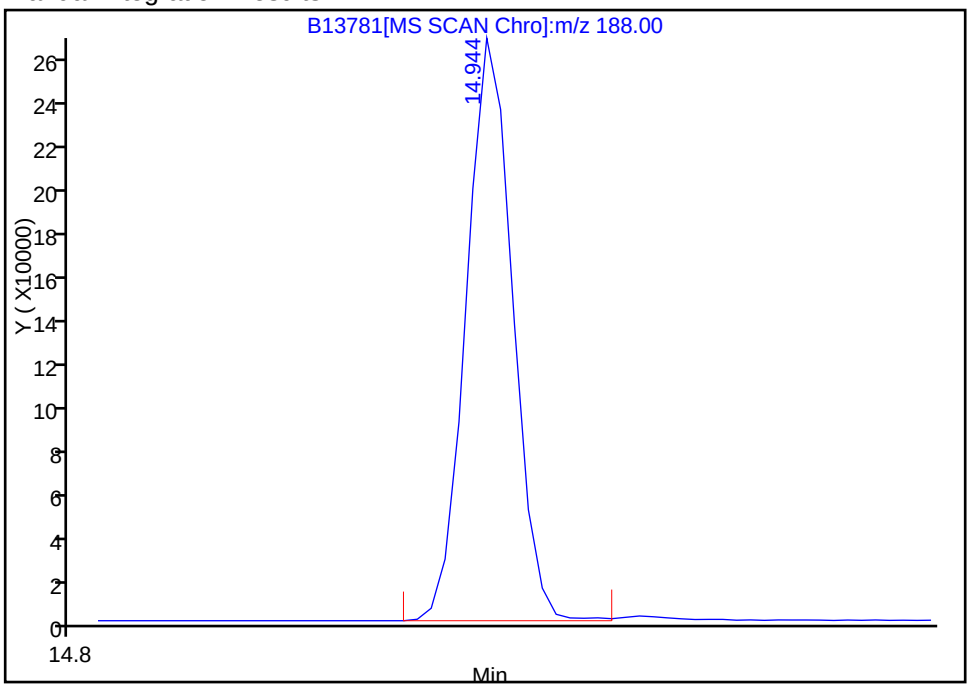
Processing Integration Results

Not Detected
Expected RT: 14.95



Manual Integration Results

RT: 14.94
Response: 293828
Amount: 4.000000



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

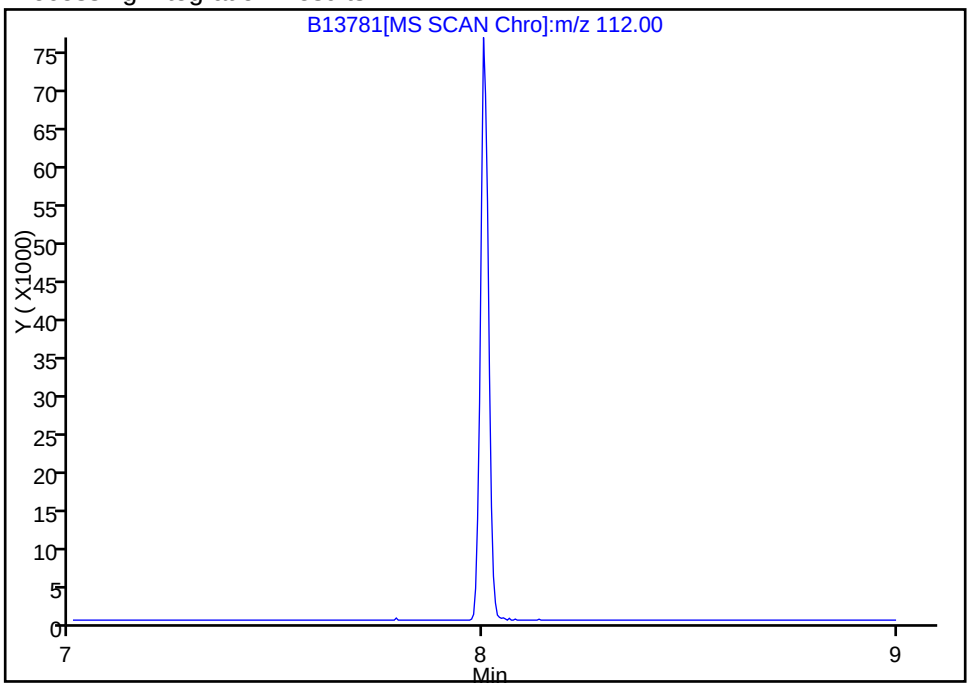
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 8.00

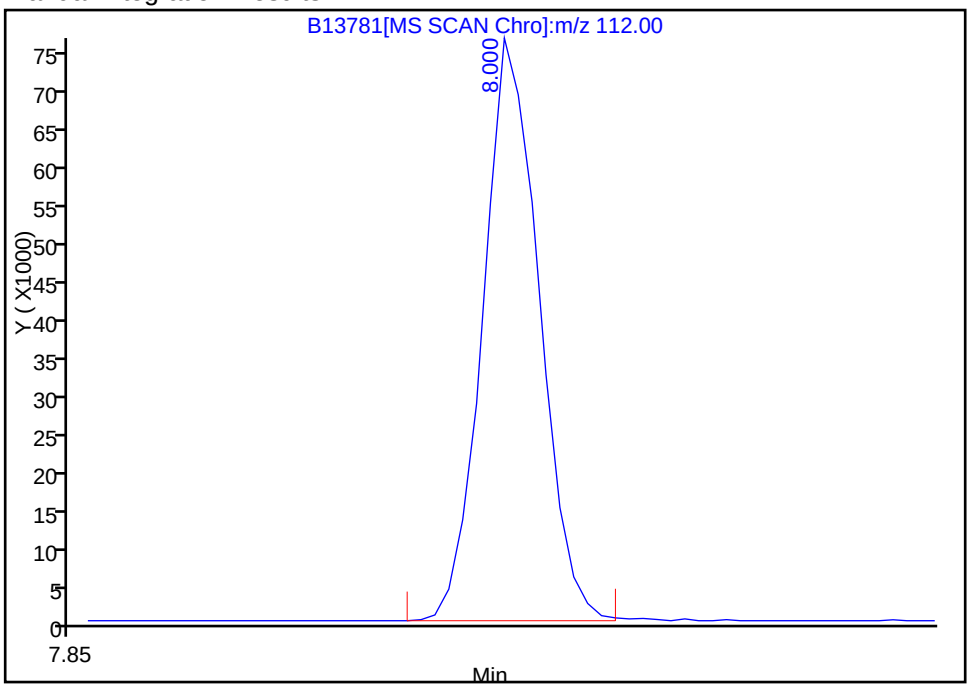
Processing Integration Results

Not Detected
Expected RT: 8.00



Manual Integration Results

RT: 8.00
Response: 103801
Amount: 4.966678



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

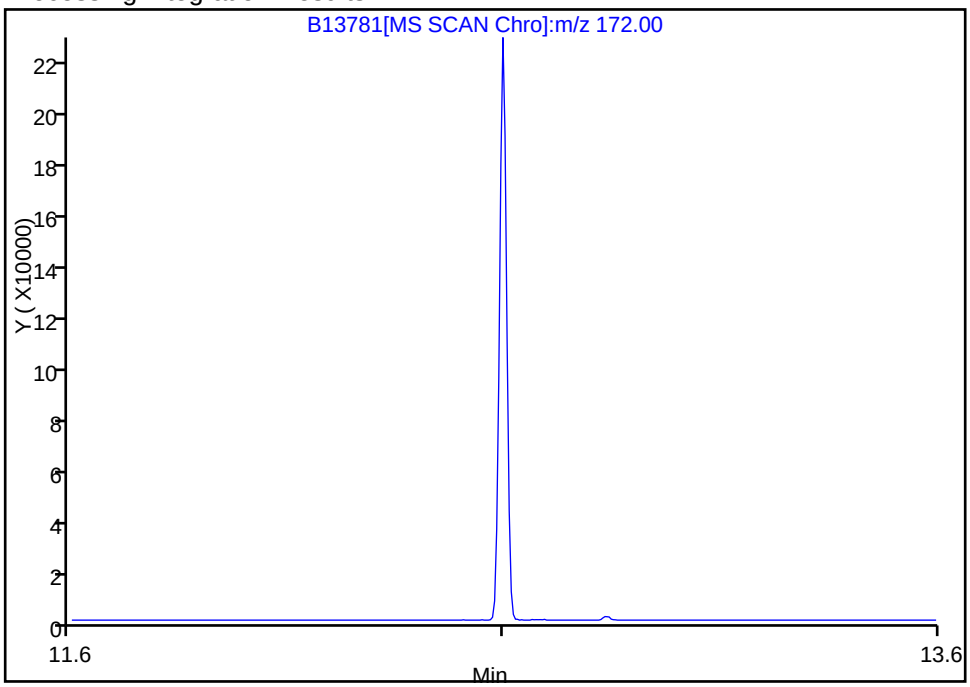
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

$ 10 2-Fluorobiphenyl, Signal: 1, m/z: 172.0 Type: quant, RT: 12.60

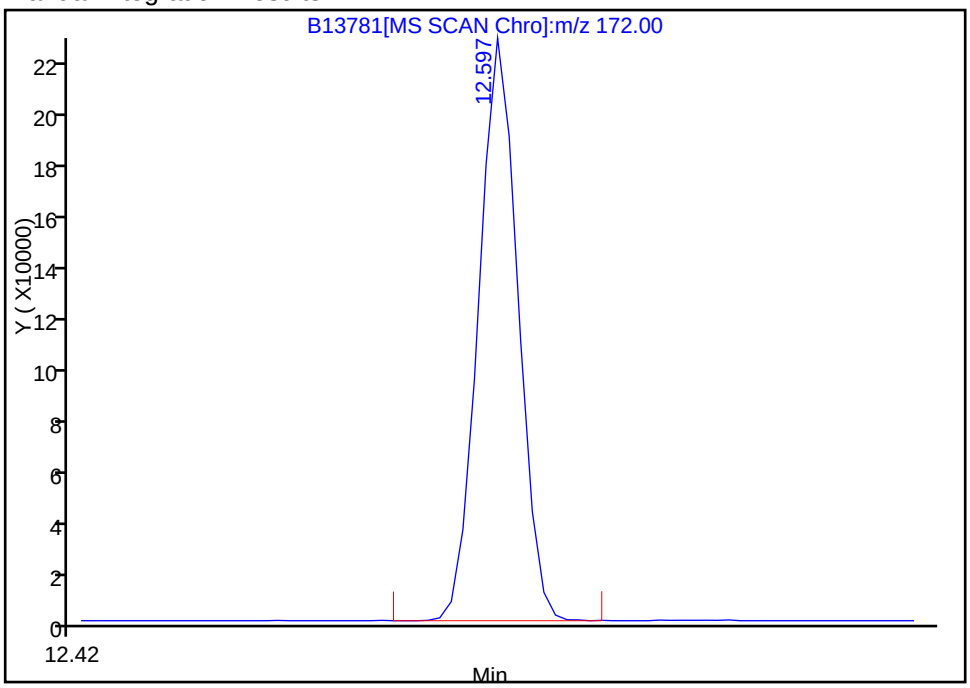
Processing Integration Results

Not Detected
Expected RT: 12.60



Manual Integration Results

RT: 12.60
Response: 258974
Amount: 4.968191



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:29:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

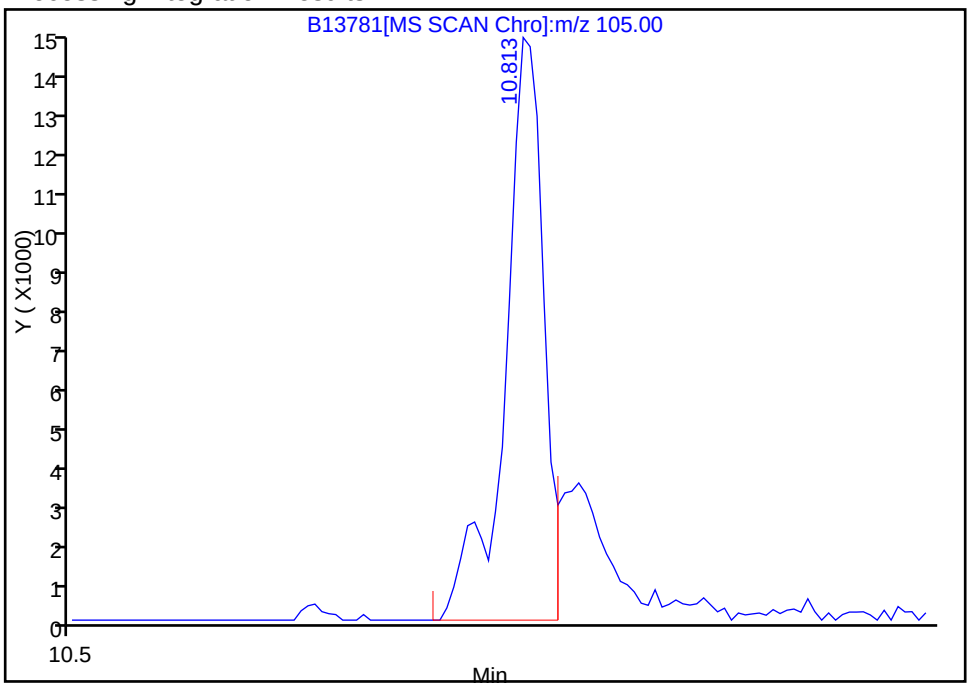
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

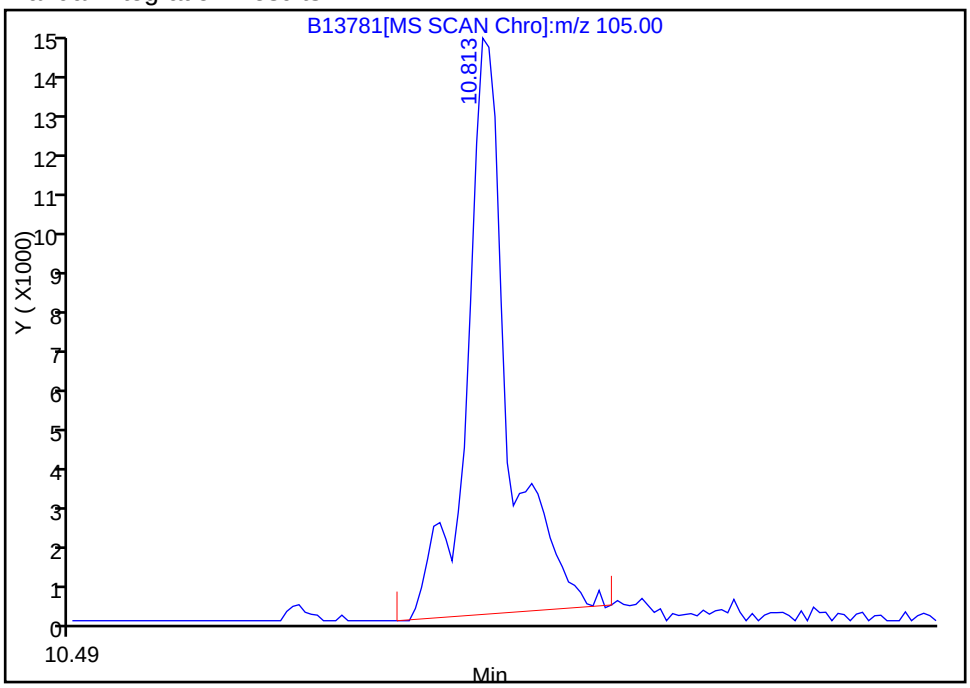
Processing Integration Results

RT: 10.81
Response: 27010
Amount: 3.585180



Manual Integration Results

RT: 10.81
Response: 32320
Amount: 4.676191



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 21-Dec-2010 14:29:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

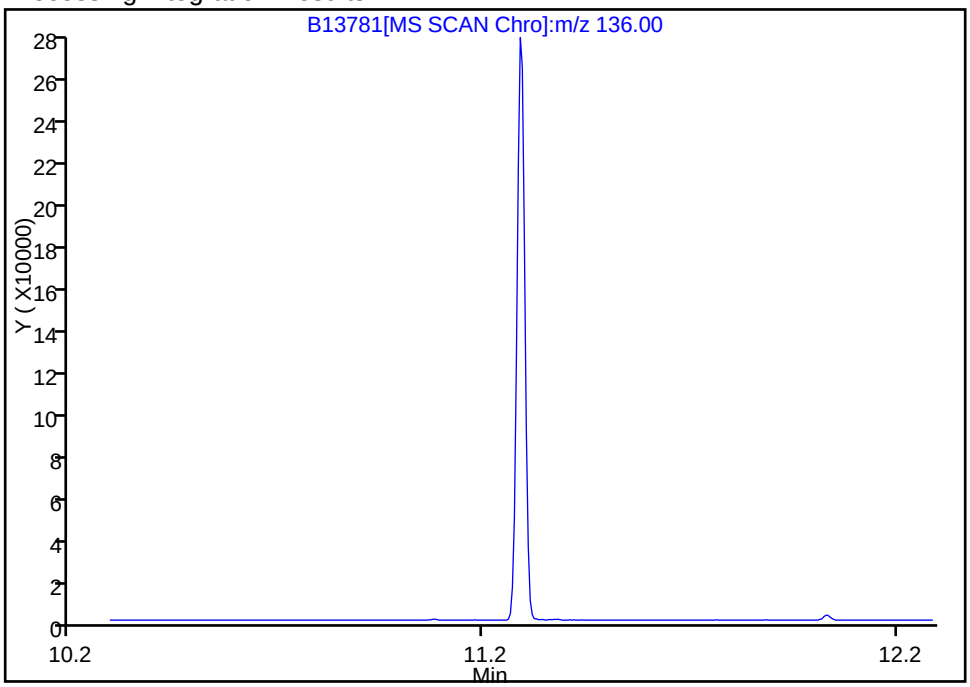
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

* 2 Naphthalene-d8, Signal: 1, m/z: 136.0 Type: quant, RT: 11.29

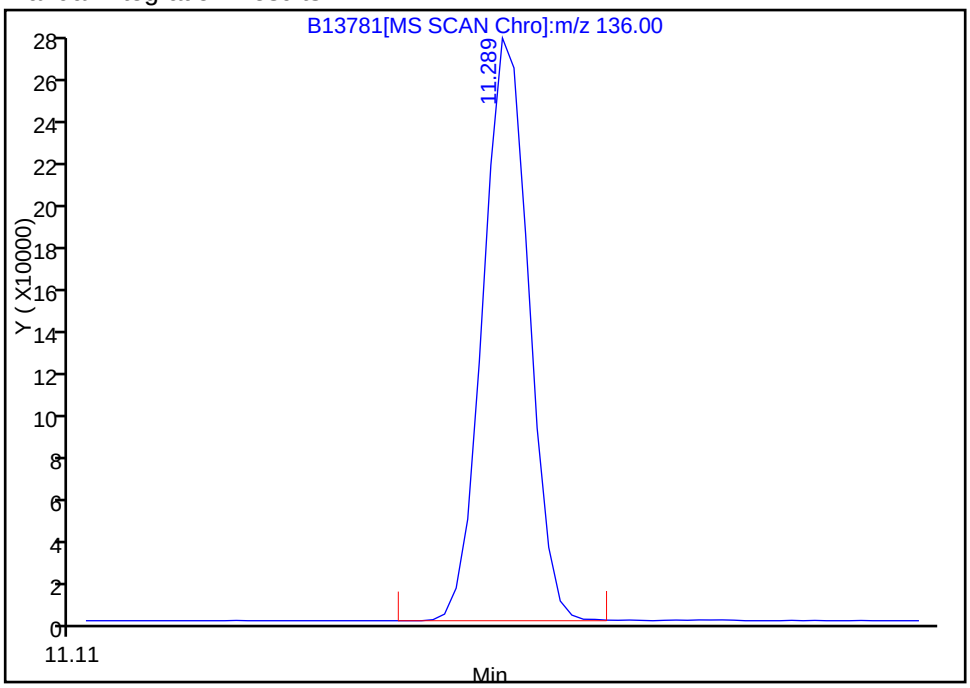
Processing Integration Results

Not Detected
Expected RT: 11.29



Manual Integration Results

RT: 11.29
Response: 363145
Amount: 4.000000



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason:

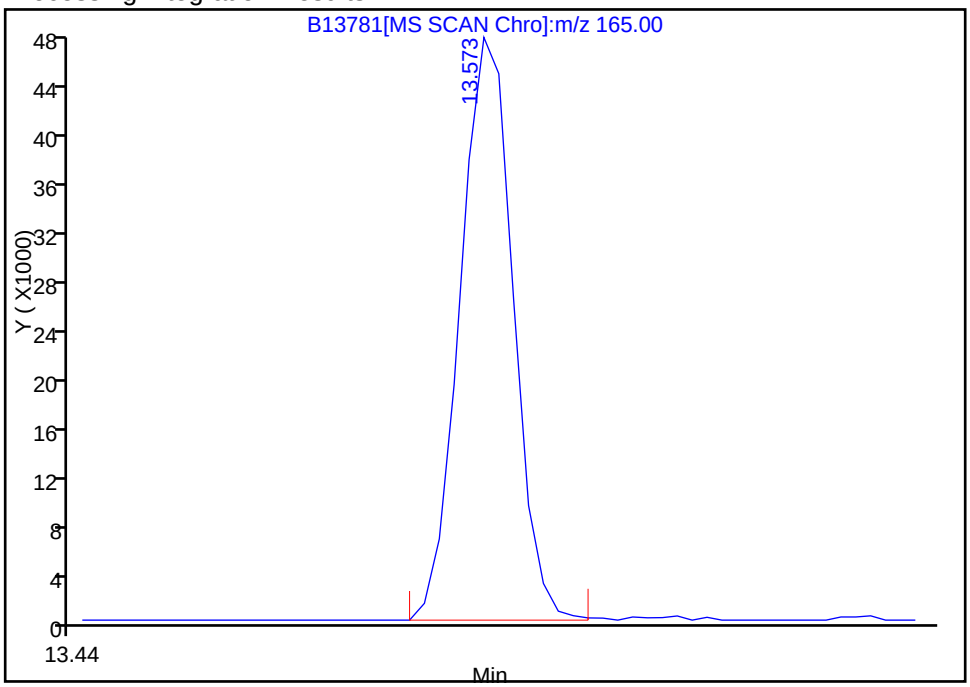
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13781.D		
Injection Date:	20-Dec-2010 18:16:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

57 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 13.58

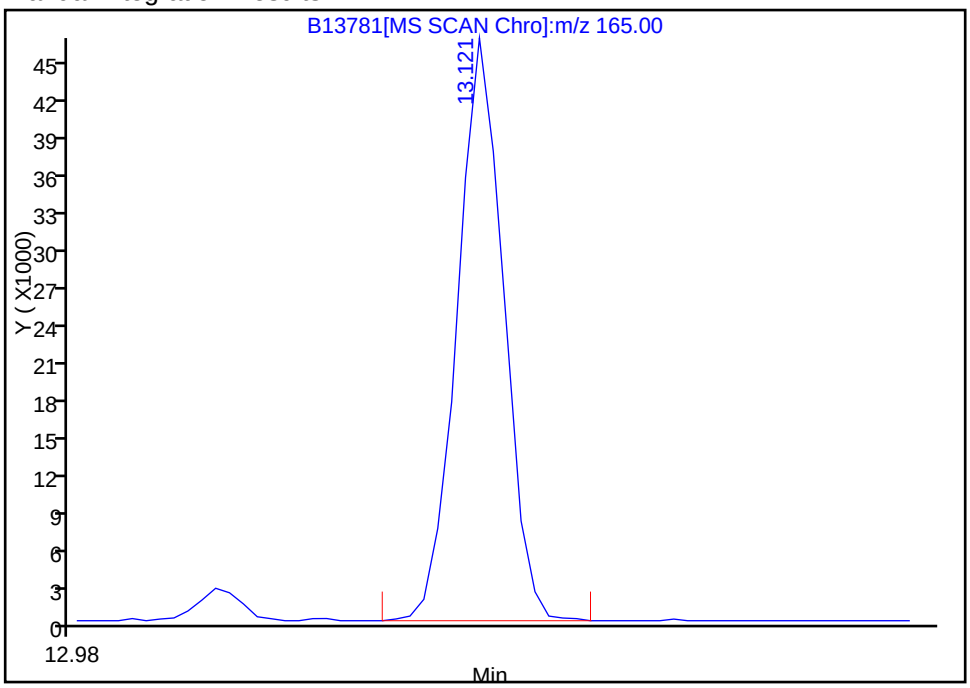
Processing Integration Results

RT: 13.57
Response: 56465
Amount: 4.166907



Manual Integration Results

RT: 13.12
Response: 51609
Amount: 5.152547



Reviewer: testerc, 21-Dec-2010 09:14:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13782.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	20-Dec-2010 18:51:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	8.0 PPM CAL STD		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	67431	Lims Sample ID:	7
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:29:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.676	9.676	0.0	91	99790	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	365771	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	91	196698	4.00	
* 4 Phenanthrene-d10	188	14.947	14.946	0.001	95	292108	4.00	
* 5 Chrysene-d12	240	17.692	17.692	0.0	97	251920	4.00	
* 6 Perylene-d12	264	20.337	20.347	-0.009	95	179055	4.00	
$ 7 2-Fluorophenol	112	8.003	8.002	0.001	83	175448	8.39	
$ 8 Phenol-d5	99	9.138	9.137	0.001	87	184537	8.30	
$ 9 Nitrobenzene-d5	82	10.369	10.368	0.001	80	165611	8.74	
$ 10 2-Fluorobiphenyl	172	12.600	12.600	0.0	100	425236	8.15	
$ 11 2,4,6-Tribromophenol	330	14.249	14.244	0.005	85	38464	7.87	
$ 12 Terphenyl-d14	244	16.380	16.379	0.001	98	304734	7.93	
14 1,4-Dioxane	88	5.637	5.632	0.005	88	68052	8.16	
15 N-Nitrosodimethylamine	42	6.122	6.122	0.0	87	60206	8.39	
16 Pyridine	52	6.195	6.194	0.001	97	61625	7.95	
17 Benzaldehyde	105	9.133	9.132	0.001	64	125932	8.42	
18 Phenol	94	9.152	9.152	0.0	96	178008	8.25	
19 Aniline	93	9.253	9.253	0.0	99	187019	8.11	
20 Bis(2-chloroethyl)ether	93	9.296	9.296	0.0	98	170288	8.34	
21 2-Chlorophenol	128	9.412	9.411	0.001	90	197017	8.26	
23 1,3-Dichlorobenzene	146	9.614	9.613	0.001	97	241453	8.16	
22 1,4-Dichlorobenzene	146	9.700	9.700	0.0	97	240100	8.16	
24 Benzyl alcohol	79	9.811	9.810	0.001	96	104292	8.30	
25 1,2-Dichlorobenzene	146	9.902	9.902	0.0	99	232497	8.20	
26 2-Methylphenol	108	9.921	9.921	0.0	91	147943	8.07	
27 2,2'-oxybis[1-chloropropane]	45	9.965	9.969	-0.004	51	146862	8.32	
28 3 & 4 Methylphenol	107	10.104	10.099	0.005	91	164208	8.17	
29 N-Nitrosodi-n-propylamine	42	10.133	10.128	0.005	78	52996	8.39	
30 Acetophenone	105	10.157	10.157	0.0	89	220175	8.34	
31 Hexachloroethane	117	10.335	10.335	0.0	96	86993	8.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.393	10.392	0.001	78	136666	8.08	
33 Isophorone	82	10.667	10.671	-0.004	97	270688	7.90	
35 2,4-Dimethylphenol	107	10.777	10.777	0.0	89	148384	8.03	
34 2-Nitrophenol	139	10.792	10.796	-0.004	82	120837	9.53	
36 Benzoic acid	105	10.825	10.820	0.005	83	72417	8.38	M
37 Bis(2-chloroethoxy)methane	93	10.902	10.902	0.0	95	179277	8.03	
38 2,4-Dichlorophenol	162	11.080	11.080	0.0	86	142097	7.92	
39 1,2,4-Trichlorobenzene	180	11.205	11.205	0.0	94	188265	8.05	
41 Naphthalene	128	11.321	11.320	0.001	98	563282	8.07	
42 4-Chloroaniline	127	11.364	11.359	0.005	68	131168	6.76	
43 Hexachlorobutadiene	225	11.451	11.450	0.001	96	99381	8.12	
44 Caprolactam	55	11.782	11.777	0.005	72	34534	7.31	
45 4-Chloro-3-methylphenol	107	11.922	11.921	0.001	90	119491	8.18	
46 2-Methylnaphthalene	142	12.181	12.181	0.0	88	354310	8.12	
47 1-Methylnaphthalene	142	12.311	12.311	0.0	92	369539	8.07	
48 Hexachlorocyclopentadiene	237	12.369	12.369	0.0	96	77811	8.17	
49 1,2,4,5-Tetrachlorobenzene	216	12.388	12.388	0.0	96	157445	7.93	
50 2,4,6-Trichlorophenol	196	12.508	12.508	0.0	87	96435	8.26	
51 2,4,5-Trichlorophenol	196	12.557	12.556	0.001	97	95961	8.29	
52 1,1'-Biphenyl	154	12.725	12.725	0.0	93	422759	8.07	
53 2-Chloronaphthalene	162	12.778	12.777	0.001	94	392381	8.26	
54 Phenyl ether	170	12.840	12.840	0.0	87	242227	8.02	
55 2-Nitroaniline	138	12.874	12.874	0.0	78	87158	8.60	
56 Dimethyl phthalate	163	13.033	13.032	0.001	99	390047	8.33	
58 Acenaphthylene	152	13.263	13.263	0.0	98	528364	8.26	
59 3-Nitroaniline	138	13.336	13.330	0.006	87	54937	7.90	
60 2,4-Dinitrophenol	184	13.441	13.441	0.0	53	36216	8.43	
61 Acenaphthene	153	13.451	13.451	0.0	93	361024	8.06	
62 4-Nitrophenol	139	13.456	13.455	0.001	34	62734	7.98	
63 2,4-Dinitrotoluene	165	13.576	13.576	0.0	92	96109	7.71	
57 2,6-Dinitrotoluene	165	13.124	13.576	-0.452	83	85241	8.50	
64 Dibenzofuran	168	13.634	13.633	0.001	95	427319	8.08	
65 2,3,4,6-Tetrachlorophenol	232	13.701	13.701	0.0	0	69803	7.76	
66 Diethyl phthalate	149	13.788	13.787	0.001	98	396051	8.28	
67 4-Chlorophenyl phenyl ether	204	13.956	13.956	0.0	88	163799	8.01	
68 4-Nitroaniline	138	13.999	13.994	0.005	33	54048	7.57	
69 Fluorene	166	13.999	13.999	0.0	81	354423	7.88	
70 4,6-Dinitro-2-methylphenol	198	14.009	14.009	0.001	72	49553	7.74	
72 N-Nitrosodiphenylamine	169	14.076	14.076	0.0	51	279674	9.60	
71 Diphenylamine	169	14.076	14.076	0.0	0	279674	8.21	
73 1,2-Diphenylhydrazine	77	14.124	14.124	0.0	1	390683	8.56	
74 Azobenzene	77	14.124	14.124	0.0	90	390683	8.57	
13 Benzophenone	105	14.139	14.138	0.001	91	308391	8.60	
75 4-Bromophenyl phenyl ether	248	14.461	14.461	0.0	55	87267	8.22	
77 Atrazine	200	14.562	14.562	0.0	74	86166	8.48	
76 Hexachlorobenzene	284	14.567	14.566	0.001	84	92553	8.07	
78 Pentachlorophenol	266	14.745	14.744	0.001	89	49221	7.84	
79 Pentachloronitrobenzene	237	14.759	14.759	0.0	83	39584	8.54	
80 Phenanthrene	178	14.971	14.970	0.001	98	451916	8.04	
81 Anthracene	178	15.019	15.018	0.001	97	444194	8.23	
83 Carbazole	167	15.149	15.148	0.0	81	348333	8.47	
84 Di-n-butyl phthalate	149	15.365	15.365	0.0	99	601819	8.24	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.086	16.086	0.0	98	465739	8.19	
86 Benzidine	184	16.154	16.153	0.001	99	90966	10.2	
85 Pyrene	202	16.322	16.322	0.0	97	464417	7.82	
89 Butyl benzyl phthalate	149	16.812	16.812	0.0	92	246521	7.97	
92 Bis(2-ethylhexyl) phthalate	149	17.413	17.413	0.0	91	338064	8.00	
91 3,3'-Dichlorobenzidine	252	17.558	17.557	0.001	58	89565	8.08	
93 Benzo[a]anthracene	228	17.678	17.673	0.005	99	377119	7.77	
94 Chrysene	228	17.731	17.731	0.0	97	377729	8.04	
95 Di-n-octyl phthalate	149	18.346	18.351	-0.005	0	521224	8.14	A
97 Benzo[b]fluoranthene	252	19.491	19.486	0.005	98	370297	7.98	
98 Benzo[k]fluoranthene	252	19.539	19.539	0.0	97	352917	7.87	
99 Benzo[a]pyrene	252	20.222	20.217	0.005	74	308644	8.25	
100 Indeno[1,2,3-cd]pyrene	276	23.352	23.338	0.014	92	254219	8.51	
101 Dibenz(a,h)anthracene	278	23.348	23.342	0.006	66	201348	7.90	
102 Benzo[g,h,i]perylene	276	24.309	24.299	0.010	94	214050	8.33	

QC Flag Legend

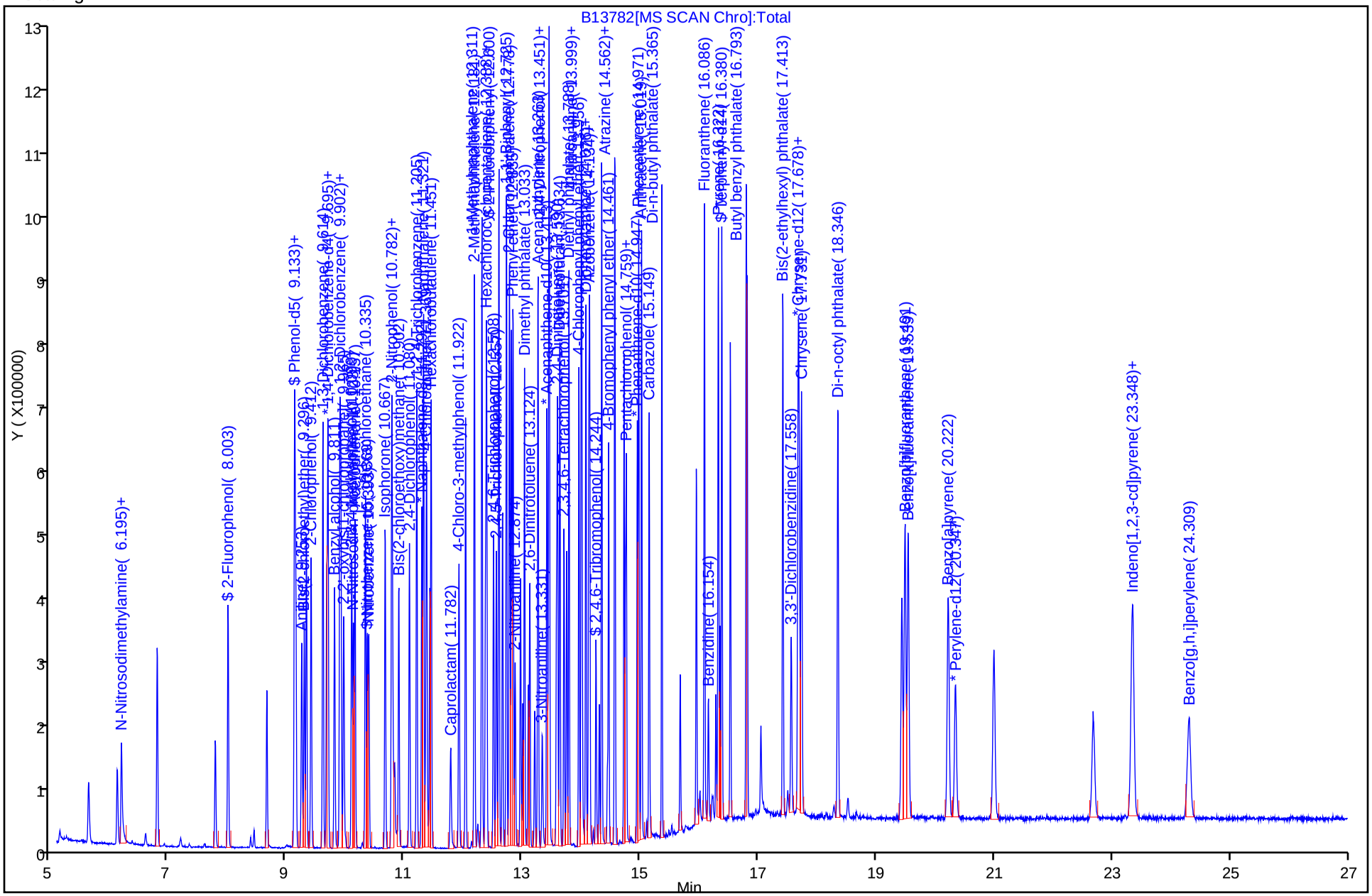
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Dec-2010 14:29:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13782.D

Injection Date:	20-Dec-2010 18:51:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



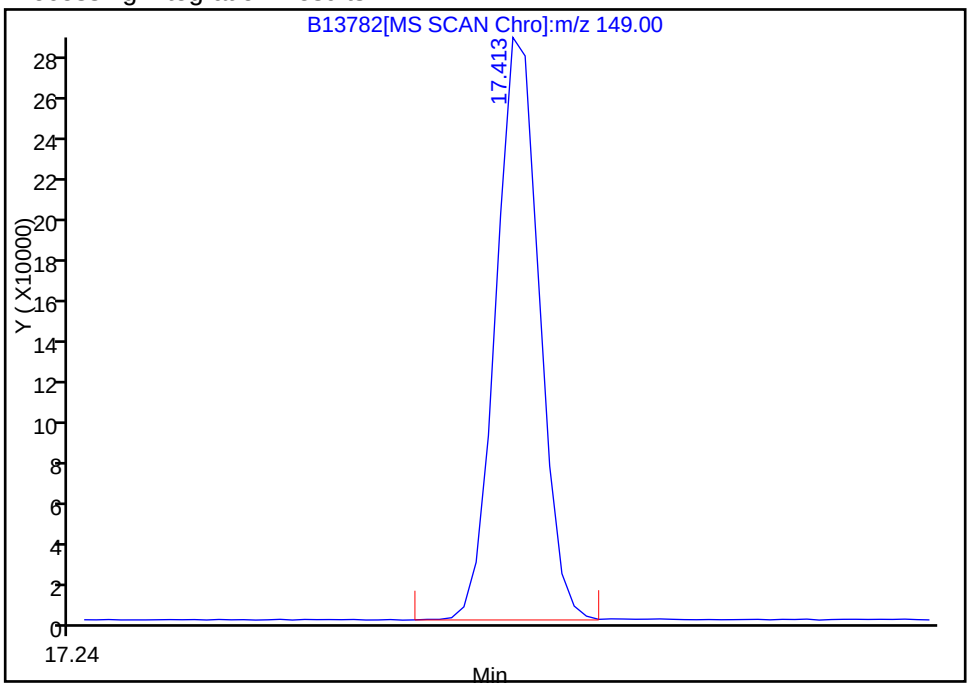
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13782.D		
Injection Date:	20-Dec-2010 18:51:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

95 Di-n-octyl phthalate, Signal: 1, m/z: 149.0 Type: quant, RT: 18.35

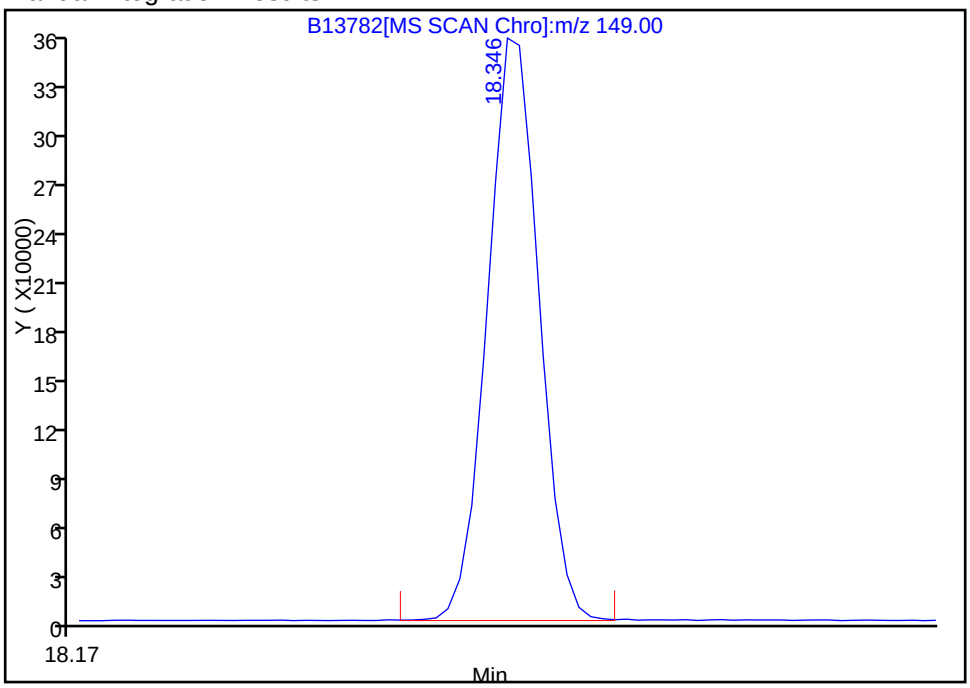
Processing Integration Results

RT: 17.41
Response: 338984
Amount: 7.850203



Manual Integration Results

RT: 18.35
Response: 521224
Amount: 8.143708



Reviewer: testerc, 21-Dec-2010 09:21:54
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

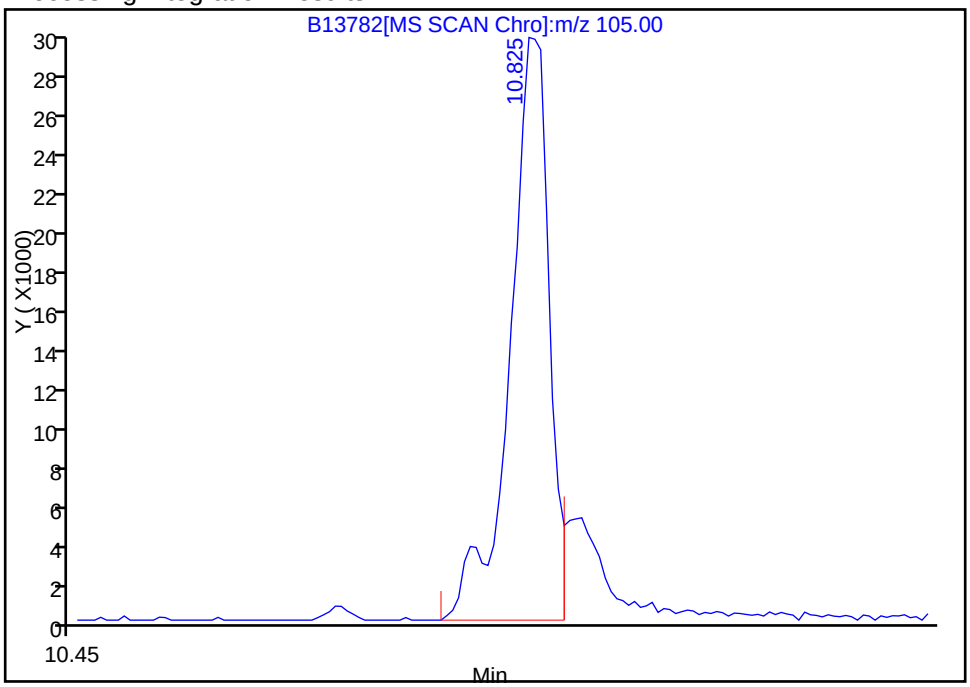
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13782.D		
Injection Date:	20-Dec-2010 18:51:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

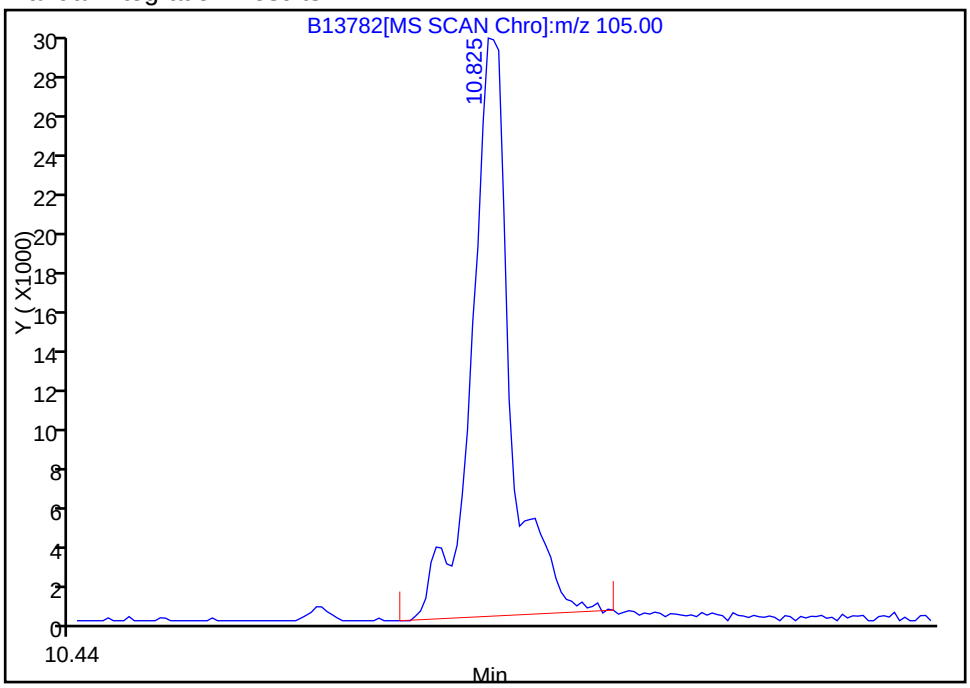
Processing Integration Results

RT: 10.83
Response: 64836
Amount: 8.866249



Manual Integration Results

RT: 10.83
Response: 72417
Amount: 8.377174



Reviewer: testerc, 21-Dec-2010 09:21:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13783.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	20-Dec-2010 19:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	10.0 PPM CAL STD		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	67431	Lims Sample ID:	8
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:29:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.674	9.676	-0.002	91	97184	4.00	
* 2 Naphthalene-d8	136	11.289	11.292	-0.003	99	351709	4.00	
* 3 Acenaphthene-d10	164	13.410	13.412	-0.002	91	196928	4.00	
* 4 Phenanthrene-d10	188	14.944	14.946	-0.002	95	292590	4.00	
* 5 Chrysene-d12	240	17.695	17.692	0.003	77	251688	4.00	
* 6 Perylene-d12	264	20.344	20.347	-0.002	95	181241	4.00	
$ 7 2-Fluorophenol	112	8.000	8.002	-0.002	82	206417	9.86	
$ 8 Phenol-d5	99	9.135	9.137	-0.002	87	216018	9.98	
$ 9 Nitrobenzene-d5	82	10.366	10.368	-0.002	79	173757	9.53	
$ 10 2-Fluorobiphenyl	172	12.597	12.600	-0.003	100	522740	10.0	
$ 11 2,4,6-Tribromophenol	330	14.247	14.244	0.003	90	47704	9.61	
$ 12 Terphenyl-d14	244	16.382	16.379	0.003	98	387297	10.1	
14 1,4-Dioxane	88	5.625	5.632	-0.007	89	81736	10.1	
15 N-Nitrosodimethylamine	42	6.120	6.122	-0.002	89	67864	9.71	
16 Pyridine	52	6.182	6.194	-0.012	95	71590	9.25	
17 Benzaldehyde	105	9.130	9.132	-0.002	64	146644	10.1	
18 Phenol	94	9.154	9.152	0.002	95	208351	9.92	
19 Aniline	93	9.250	9.253	-0.003	99	233345	10.4	
20 Bis(2-chloroethyl)ether	93	9.294	9.296	-0.002	97	200724	10.1	
21 2-Chlorophenol	128	9.409	9.411	-0.002	90	231256	9.96	
23 1,3-Dichlorobenzene	146	9.611	9.613	-0.002	97	287661	9.98	
22 1,4-Dichlorobenzene	146	9.698	9.700	-0.002	97	280585	9.80	
24 Benzyl alcohol	79	9.808	9.810	-0.002	98	124271	10.2	
25 1,2-Dichlorobenzene	146	9.900	9.902	-0.002	99	272704	9.88	
26 2-Methylphenol	108	9.919	9.921	-0.002	93	178126	9.98	
27 2,2'-oxybis[1-chloropropane]	45	9.967	9.969	-0.002	50	175532	10.2	
28 3 & 4 Methylphenol	107	10.102	10.099	0.003	92	196440	10.0	
29 N-Nitrosodi-n-propylamine	42	10.130	10.128	0.002	78	64656	10.5	
30 Acetophenone	105	10.159	10.157	0.002	79	260904	10.1	
31 Hexachloroethane	117	10.332	10.335	-0.003	94	100684	9.95	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.390	10.392	-0.002	77	159401	9.78	
33 Isophorone	82	10.669	10.671	-0.002	97	334680	10.1	
35 2,4-Dimethylphenol	107	10.780	10.777	0.003	88	181151	10.2	
34 2-Nitrophenol	139	10.794	10.796	-0.002	82	124375	10.2	
36 Benzoic acid	105	10.832	10.820	0.012	81	85057	9.57	M
37 Bis(2-chloroethoxy)methane	93	10.900	10.902	-0.002	95	213400	9.91	
38 2,4-Dichlorophenol	162	11.083	11.080	0.003	87	165933	9.59	
39 1,2,4-Trichlorobenzene	180	11.203	11.205	-0.002	94	223246	9.93	
41 Naphthalene	128	11.318	11.320	-0.002	98	673352	10.0	
42 4-Chloroaniline	127	11.361	11.359	0.002	82	189519	10.2	
43 Hexachlorobutadiene	225	11.448	11.450	-0.002	98	122641	10.4	
44 Caprolactam	55	11.785	11.777	0.008	74	47102	10.0	
45 4-Chloro-3-methylphenol	107	11.919	11.921	-0.002	91	148979	10.6	
46 2-Methylnaphthalene	142	12.184	12.181	0.003	89	427132	10.2	
47 1-Methylnaphthalene	142	12.309	12.311	-0.002	91	452966	10.3	
48 Hexachlorocyclopentadiene	237	12.371	12.369	0.002	96	83250	8.73	
49 1,2,4,5-Tetrachlorobenzene	216	12.391	12.388	0.003	97	195686	10.2	
50 2,4,6-Trichlorophenol	196	12.506	12.508	-0.002	88	121289	10.4	
51 2,4,5-Trichlorophenol	196	12.554	12.556	-0.002	96	114920	9.91	
52 1,1'-Biphenyl	154	12.727	12.725	0.002	92	522123	9.96	
53 2-Chloronaphthalene	162	12.775	12.777	-0.002	94	464565	9.76	
54 Phenyl ether	170	12.838	12.840	-0.002	87	299817	10.3	
55 2-Nitroaniline	138	12.876	12.874	0.002	77	103252	10.2	
56 Dimethyl phthalate	163	13.035	13.032	0.003	98	490586	10.5	
58 Acenaphthylene	152	13.261	13.263	-0.002	98	659132	10.3	
59 3-Nitroaniline	138	13.338	13.330	0.008	89	70423	10.1	
60 2,4-Dinitrophenol	184	13.439	13.441	-0.002	56	42803	9.62	
61 Acenaphthene	153	13.448	13.451	-0.003	94	447637	9.98	
62 4-Nitrophenol	139	13.458	13.455	0.003	37	71525	9.01	
63 2,4-Dinitrotoluene	165	13.578	13.576	0.002	91	119617	9.46	
57 2,6-Dinitrotoluene	165	13.121	13.576	-0.455	84	106574	10.6	
64 Dibenzofuran	168	13.631	13.633	-0.002	94	522292	9.86	
65 2,3,4,6-Tetrachlorophenol	232	13.703	13.701	0.002	0	85772	9.39	
66 Diethyl phthalate	149	13.785	13.787	-0.002	98	508857	10.6	
67 4-Chlorophenyl phenyl ether	204	13.958	13.956	0.002	86	202738	9.91	
68 4-Nitroaniline	138	14.001	13.994	0.007	21	64375	8.85	
69 Fluorene	166	13.997	13.999	-0.002	81	436794	9.68	
70 4,6-Dinitro-2-methylphenol	198	14.011	14.009	0.003	88	59996	9.14	
72 N-Nitrosodiphenylamine	169	14.074	14.076	-0.002	51	346198	11.9	
71 Diphenylamine	169	14.074	14.076	-0.002	0	346198	10.1	
73 1,2-Diphenylhydrazine	77	14.122	14.124	-0.002	1	479563	10.5	
74 Azobenzene	77	14.122	14.124	-0.002	92	479563	10.5	
13 Benzophenone	105	14.136	14.138	-0.002	92	383068	10.7	
75 4-Bromophenyl phenyl ether	248	14.463	14.461	0.002	54	105767	9.95	
77 Atrazine	200	14.564	14.562	0.002	70	107878	10.6	
76 Hexachlorobenzene	284	14.569	14.566	0.003	92	117161	10.2	
78 Pentachlorophenol	266	14.747	14.744	0.003	89	60032	9.38	
79 Pentachloronitrobenzene	237	14.761	14.759	0.002	81	51027	11.0	
80 Phenanthrene	178	14.968	14.970	-0.002	98	554260	9.85	
81 Anthracene	178	15.021	15.018	0.003	97	550693	10.2	
83 Carbazole	167	15.146	15.148	-0.002	81	379021	9.21	
84 Di-n-butyl phthalate	149	15.362	15.365	-0.003	100	758919	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.084	16.086	-0.002	98	581608	10.2	
86 Benzidine	184	16.151	16.153	-0.002	98	61725	6.88	
85 Pyrene	202	16.319	16.322	-0.003	97	589333	9.93	
89 Butyl benzyl phthalate	149	16.810	16.812	-0.002	92	318083	10.3	
92 Bis(2-ethylhexyl) phthalate	149	17.416	17.413	0.003	91	436877	10.3	
91 3,3'-Dichlorobenzidine	252	17.560	17.557	0.003	65	112429	10.1	
93 Benzo[a]anthracene	228	17.675	17.673	0.002	99	479662	9.89	
94 Chrysene	228	17.733	17.731	0.002	97	469085	10.0	
95 Di-n-octyl phthalate	149	18.349	18.351	-0.002	98	686620	9.98	
97 Benzo[b]fluoranthene	252	19.488	19.486	0.002	97	474116	10.1	
98 Benzo[k]fluoranthene	252	19.541	19.539	0.002	98	459979	10.1	
99 Benzo[a]pyrene	252	20.219	20.217	0.002	74	383861	10.1	
100 Indeno[1,2,3-cd]pyrene	276	23.345	23.338	0.007	92	355939	11.8	
101 Dibenz(a,h)anthracene	278	23.350	23.342	0.008	69	287582	11.1	
102 Benzo[g,h,i]perylene	276	24.312	24.299	0.013	94	298125	11.5	

QC Flag Legend

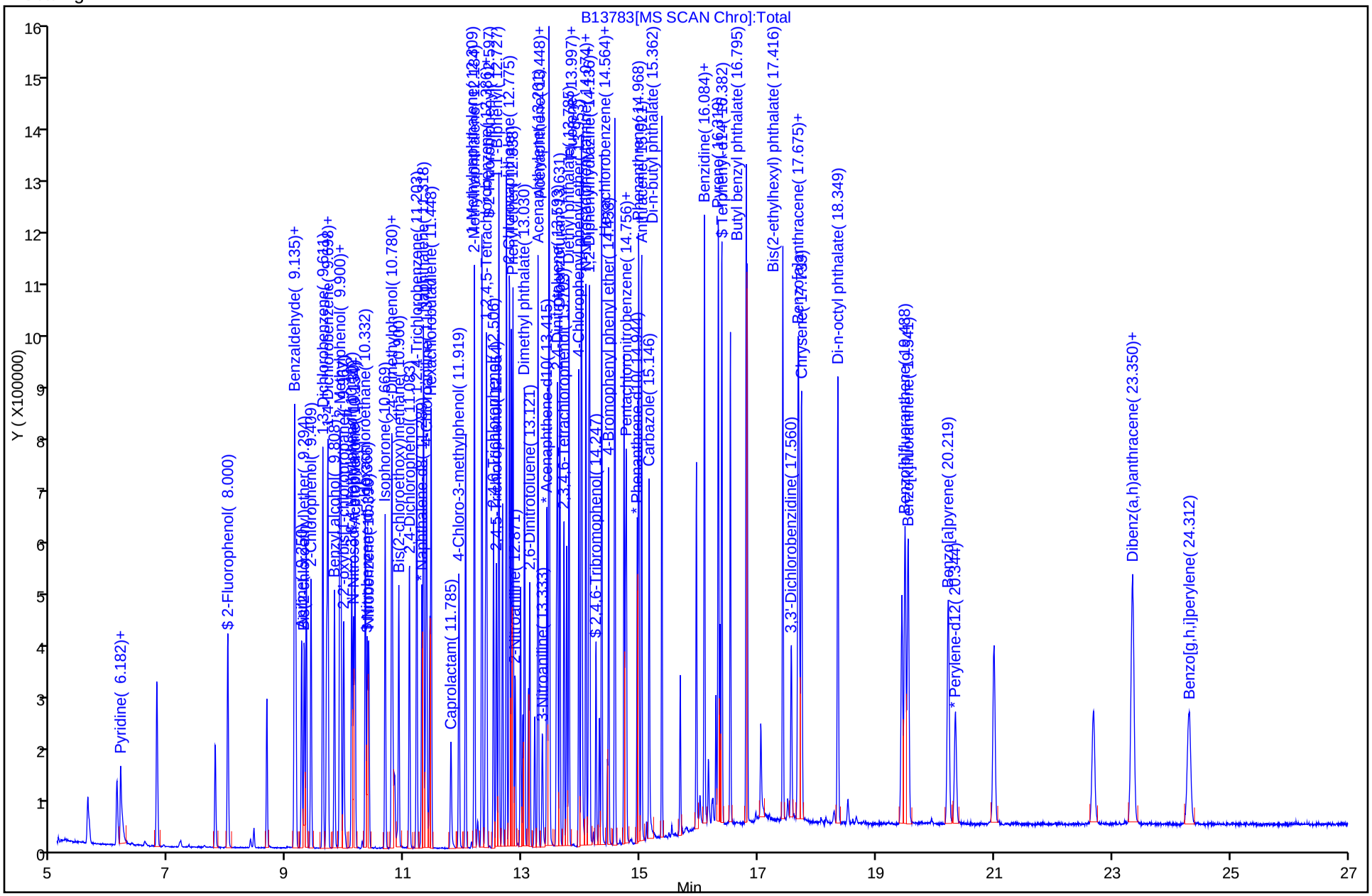
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 14:29:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13783.D

Injection Date:	20-Dec-2010 19:27:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



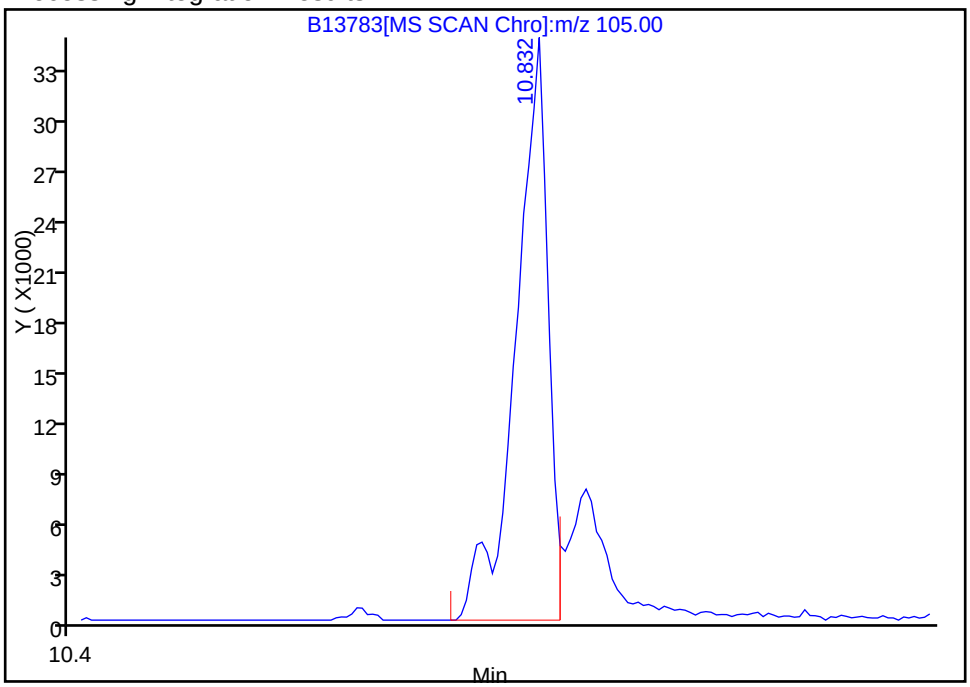
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13783.D		
Injection Date:	20-Dec-2010 19:27:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

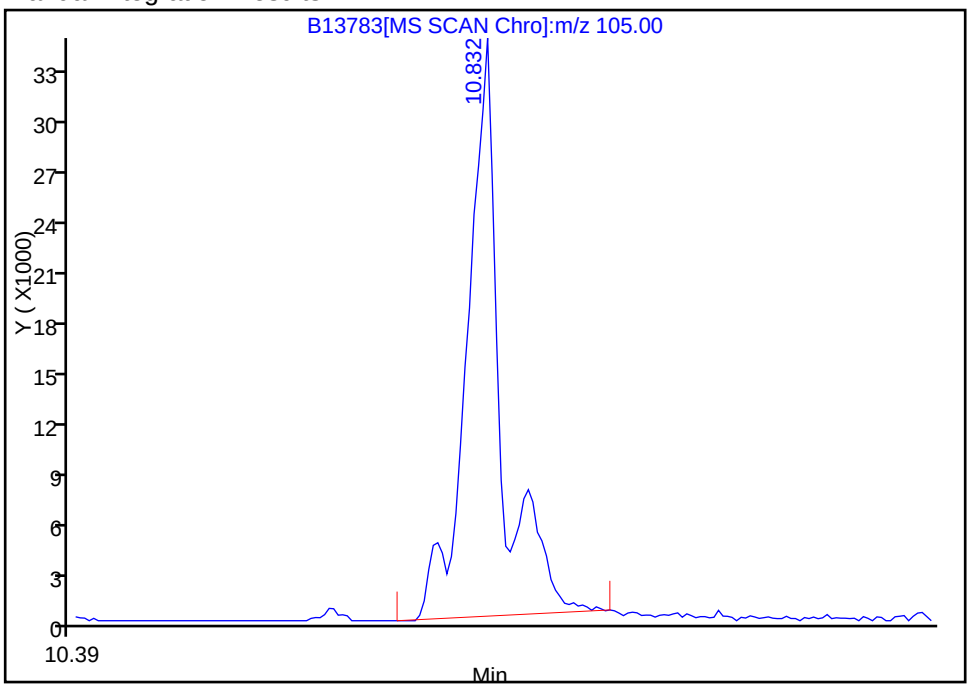
Processing Integration Results

RT: 10.83
Response: 70737
Amount: 9.541866



Manual Integration Results

RT: 10.83
Response: 85057
Amount: 9.573168



Reviewer: testerc, 21-Dec-2010 09:31:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13784.D		
Lims ID:	STD15	Client ID:	
Inject. Date:	20-Dec-2010 20:03:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	11
Sample ID:	15.0 PPM CAL STD		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	11
Lims Batch ID:	67431	Lims Sample ID:	9
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:29:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.676	9.676	0.0	91	111588	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	411842	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	92	227694	4.00	
* 4 Phenanthrene-d10	188	14.947	14.946	0.001	96	347244	4.00	
* 5 Chrysene-d12	240	17.698	17.692	0.006	97	318927	4.00	
* 6 Perylene-d12	264	20.342	20.347	-0.004	95	214377	4.00	
$ 7 2-Fluorophenol	112	7.998	8.002	-0.004	82	372931	15.4	
$ 8 Phenol-d5	99	9.138	9.137	0.001	87	394940	15.9	
$ 9 Nitrobenzene-d5	82	10.364	10.368	-0.004	80	356235	16.7	
$ 10 2-Fluorobiphenyl	172	12.600	12.600	0.0	100	920136	15.2	
$ 11 2,4,6-Tribromophenol	330	14.245	14.244	0.001	89	89743	14.9	
$ 12 Terphenyl-d14	244	16.380	16.379	0.001	98	715833	14.7	
14 1,4-Dioxane	88	5.623	5.632	-0.009	87	143150	15.4	
15 N-Nitrosodimethylamine	42	6.118	6.122	-0.004	88	121952	15.2	
16 Pyridine	52	6.176	6.194	-0.018	96	137454	14.6	
17 Benzaldehyde	105	9.128	9.132	-0.004	59	260302	15.6	
18 Phenol	94	9.157	9.152	0.005	95	379322	15.7	
19 Aniline	93	9.253	9.253	0.0	99	435117	16.9	
20 Bis(2-chloroethyl)ether	93	9.297	9.296	0.001	99	344849	15.1	
21 2-Chlorophenol	128	9.412	9.411	0.001	89	420720	15.8	
23 1,3-Dichlorobenzene	146	9.609	9.613	-0.004	98	500918	15.1	
22 1,4-Dichlorobenzene	146	9.696	9.700	-0.004	97	495599	15.1	
24 Benzyl alcohol	79	9.811	9.810	0.001	97	228301	16.3	
25 1,2-Dichlorobenzene	146	9.898	9.902	-0.004	100	481040	15.2	
26 2-Methylphenol	108	9.922	9.921	0.001	92	323804	15.8	
27 2,2'-oxybis[1-chloropropane]	45	9.965	9.969	-0.004	53	307774	15.6	
28 3 & 4 Methylphenol	107	10.104	10.099	0.005	92	355045	15.8	
29 N-Nitrosodi-n-propylamine	42	10.133	10.128	0.005	76	113470	16.1	
30 Acetophenone	105	10.157	10.157	0.0	88	461324	15.6	
31 Hexachloroethane	117	10.330	10.335	-0.005	96	182142	15.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.393	10.392	0.001	78	284294	14.9	
33 Isophorone	82	10.672	10.671	0.001	97	589717	15.1	
35 2,4-Dimethylphenol	107	10.782	10.777	0.005	89	325547	15.6	
34 2-Nitrophenol	139	10.792	10.796	-0.004	85	224329	15.7	
36 Benzoic acid	105	10.850	10.820	0.030	82	192490	15.3	M
37 Bis(2-chloroethoxy)methane	93	10.898	10.902	-0.004	95	379628	15.0	
38 2,4-Dichlorophenol	162	11.081	11.080	0.001	87	307637	15.1	
39 1,2,4-Trichlorobenzene	180	11.206	11.205	0.001	94	395263	15.0	
41 Naphthalene	128	11.321	11.320	0.001	98	1179804	15.0	
42 4-Chloroaniline	127	11.355	11.359	-0.004	47	398817	18.3	
43 Hexachlorobutadiene	225	11.451	11.450	0.001	96	206979	15.0	
44 Caprolactam	55	11.792	11.777	0.015	76	84044	14.9	
45 4-Chloro-3-methylphenol	107	11.922	11.921	0.001	89	269619	16.4	
46 2-Methylnaphthalene	142	12.182	12.181	0.001	90	758885	15.5	
47 1-Methylnaphthalene	142	12.312	12.311	0.001	92	784977	15.2	
48 Hexachlorocyclopentadiene	237	12.369	12.369	0.0	89	165780	15.0	
49 1,2,4,5-Tetrachlorobenzene	216	12.389	12.388	0.001	97	340262	15.2	
50 2,4,6-Trichlorophenol	196	12.509	12.508	0.001	88	219002	16.2	
51 2,4,5-Trichlorophenol	196	12.557	12.556	0.001	97	210388	15.7	
52 1,1'-Biphenyl	154	12.730	12.725	0.005	92	932678	15.4	
53 2-Chloronaphthalene	162	12.778	12.777	0.001	94	845319	15.4	
54 Phenyl ether	170	12.841	12.840	0.001	87	527923	15.5	
55 2-Nitroaniline	138	12.874	12.874	0.0	78	201895	17.2	
56 Dimethyl phthalate	163	13.033	13.032	0.001	98	855221	15.8	
58 Acenaphthylene	152	13.264	13.263	0.001	97	1149368	15.5	
59 3-Nitroaniline	138	13.336	13.330	0.006	88	133808	16.6	
60 2,4-Dinitrophenol	184	13.442	13.441	0.001	55	94945	15.7	
61 Acenaphthene	153	13.451	13.451	0.0	93	785160	15.1	
62 4-Nitrophenol	139	13.461	13.455	0.006	45	147470	15.6	
63 2,4-Dinitrotoluene	165	13.576	13.576	0.0	93	223163	14.9	
57 2,6-Dinitrotoluene	165	13.124	13.576	-0.452	82	190476	16.4	
64 Dibenzofuran	168	13.634	13.633	0.001	95	922369	15.1	
65 2,3,4,6-Tetrachlorophenol	232	13.706	13.701	0.005	0	161277	14.9	
66 Diethyl phthalate	149	13.788	13.787	0.001	98	882747	15.9	
67 4-Chlorophenyl phenyl ether	204	13.956	13.956	0.0	87	367989	15.6	
68 4-Nitroaniline	138	14.000	13.994	0.006	32	136254	15.5	
69 Fluorene	166	14.000	13.999	0.001	81	785063	15.0	
70 4,6-Dinitro-2-methylphenol	198	14.014	14.009	0.006	91	122938	15.0	
72 N-Nitrosodiphenylamine	169	14.077	14.076	0.0	51	631179	18.2	
71 Diphenylamine	169	14.077	14.076	0.0	0	631179	15.6	
73 1,2-Diphenylhydrazine	77	14.125	14.124	0.001	1	872649	16.1	
74 Azobenzene	77	14.125	14.124	0.001	90	872649	16.1	
13 Benzophenone	105	14.139	14.138	0.001	92	676018	15.9	
75 4-Bromophenyl phenyl ether	248	14.461	14.461	0.0	55	193174	15.3	
77 Atrazine	200	14.562	14.562	0.0	75	191001	15.8	
76 Hexachlorobenzene	284	14.572	14.566	0.006	93	210373	15.4	
78 Pentachlorophenol	266	14.745	14.744	0.001	89	117072	14.9	
79 Pentachloronitrobenzene	237	14.759	14.759	0.0	83	91019	16.5	
80 Phenanthrene	178	14.971	14.970	0.001	98	1000038	15.0	
81 Anthracene	178	15.019	15.018	0.001	97	1004733	15.7	
83 Carbazole	167	15.149	15.148	0.001	81	679759	13.9	
84 Di-n-butyl phthalate	149	15.365	15.365	0.0	99	1365518	15.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.087	16.086	0.001	98	1076561	15.9	
86 Benzidine	184	16.154	16.153	0.001	99	177657	16.7	
85 Pyrene	202	16.322	16.322	0.0	97	1098967	14.6	
89 Butyl benzyl phthalate	149	16.813	16.812	0.001	91	600494	15.3	
92 Bis(2-ethylhexyl) phthalate	149	17.414	17.413	0.001	91	850659	15.9	
91 3,3'-Dichlorobenzidine	252	17.558	17.557	0.001	52	222141	15.8	
93 Benzo[a]anthracene	228	17.678	17.673	0.005	100	936458	15.2	
94 Chrysene	228	17.736	17.731	0.005	98	913347	15.4	
95 Di-n-octyl phthalate	149	18.347	18.351	-0.004	98	1373008	14.6	
97 Benzo[b]fluoranthene	252	19.491	19.486	0.005	98	917956	16.5	
98 Benzo[k]fluoranthene	252	19.544	19.539	0.005	99	824535	15.4	
99 Benzo[a]pyrene	252	20.222	20.217	0.005	74	718647	16.0	
100 Indeno[1,2,3-cd]pyrene	276	23.353	23.338	0.015	93	569612	15.9	
101 Dibenz(a,h)anthracene	278	23.353	23.342	0.011	68	466646	15.3	
102 Benzo[g,h,i]perylene	276	24.310	24.299	0.011	94	472578	15.4	

QC Flag Legend

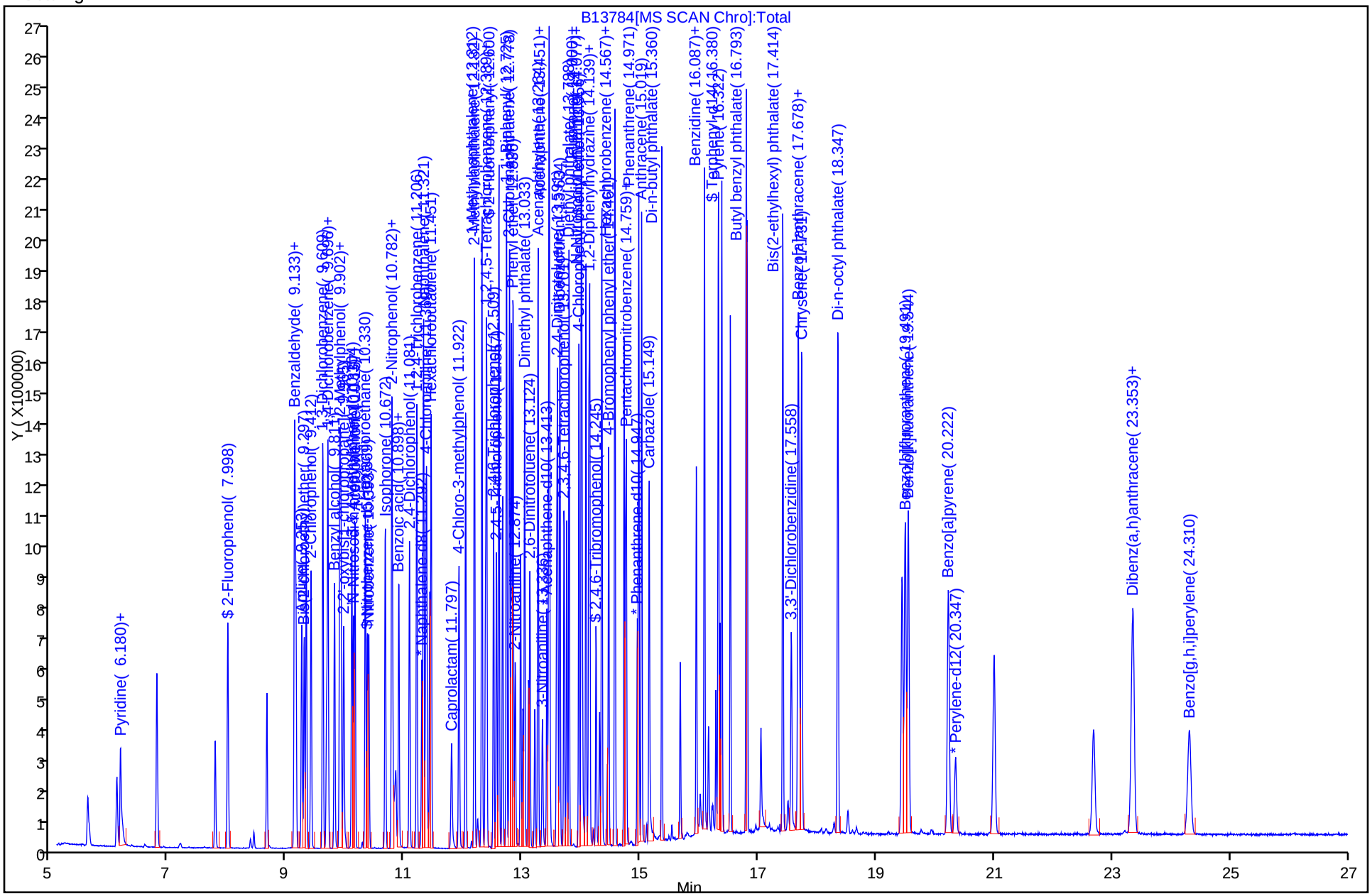
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 14:29:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13784.D

Injection Date:	20-Dec-2010 20:03:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:29:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

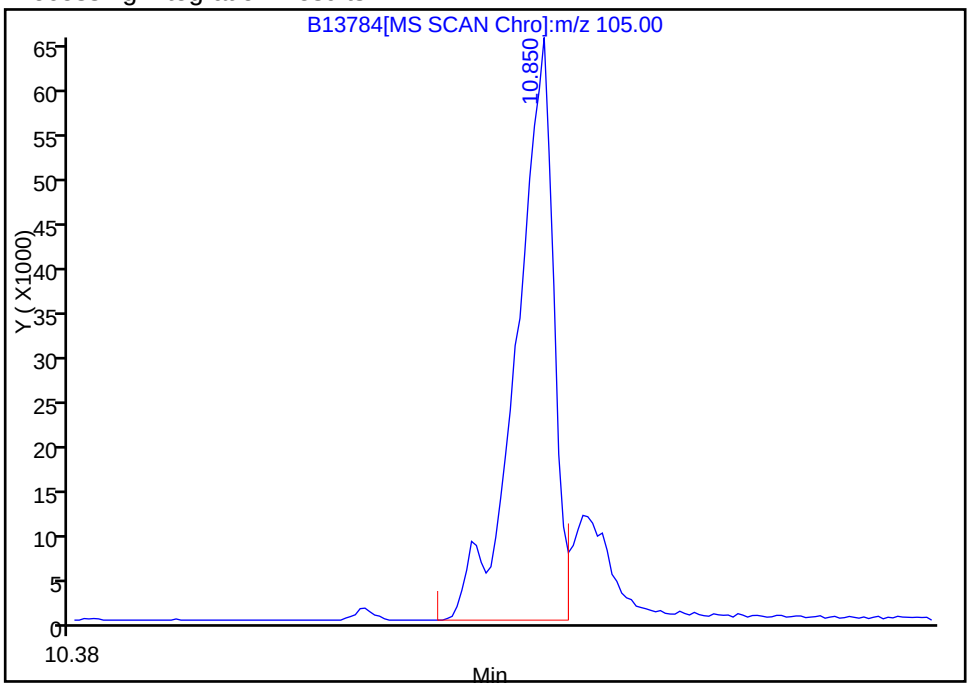
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13784.D		
Injection Date:	20-Dec-2010 20:03:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

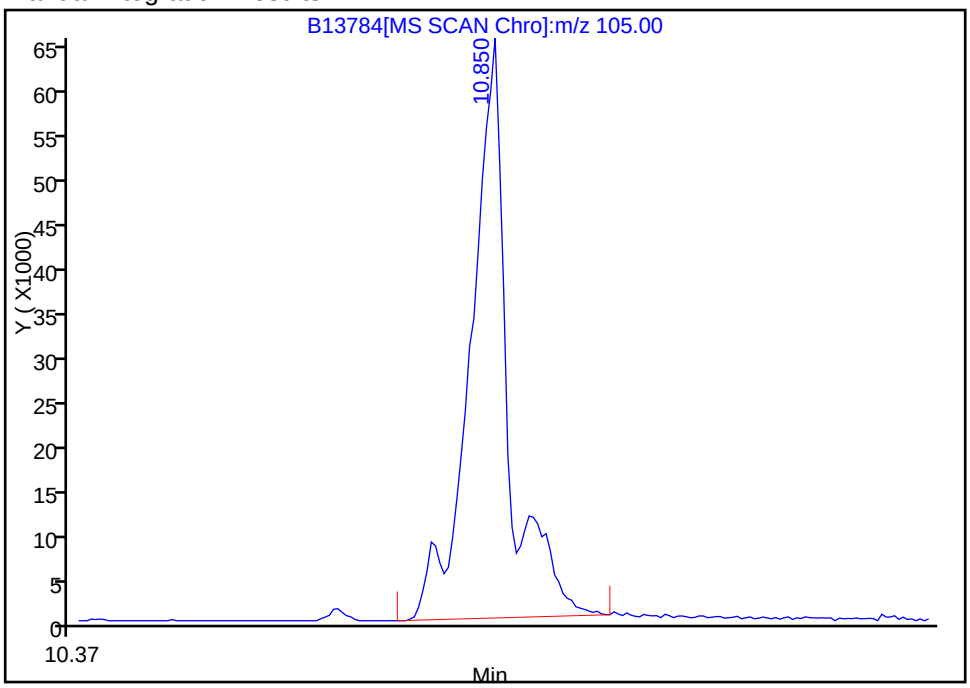
Processing Integration Results

RT: 10.85
Response: 166507
Amount: 17.398410



Manual Integration Results

RT: 10.85
Response: 192490
Amount: 15.267051



Reviewer: testerc, 21-Dec-2010 09:33:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	20-Dec-2010 20:38:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	20.0 PPM CAL STD		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	67431	Lims Sample ID:	10
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13784.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		

First Level Reviewer: testerc Date: 21-Dec-2010 14:29:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.677	9.676	0.001	91	112639	4.00	
* 2 Naphthalene-d8	136	11.293	11.292	0.001	99	416809	4.00	
* 3 Acenaphthene-d10	164	13.414	13.412	0.002	91	234016	4.00	
* 4 Phenanthrene-d10	188	14.948	14.946	0.002	95	364096	4.00	
* 5 Chrysene-d12	240	17.698	17.692	0.006	97	313195	4.00	
* 6 Perylene-d12	264	20.348	20.347	0.002	96	172372	4.00	
$ 7 2-Fluorophenol	112	8.008	8.002	0.006	83	517654	20.8	
$ 8 Phenol-d5	99	9.143	9.137	0.006	86	549704	21.9	
$ 9 Nitrobenzene-d5	82	10.370	10.368	0.002	80	485212	22.5	
$ 10 2-Fluorobiphenyl	172	12.601	12.600	0.001	99	1246643	20.1	
$ 11 2,4,6-Tribromophenol	330	14.250	14.244	0.006	89	129882	20.4	
$ 12 Terphenyl-d14	244	16.381	16.379	0.002	98	989052	20.7	
14 1,4-Dioxane	88	5.642	5.632	0.010	87	192194	20.4	
15 N-Nitrosodimethylamine	42	6.123	6.122	0.001	95	170246	21.0	
16 Pyridine	52	6.195	6.194	0.001	95	201222	20.7	
17 Benzaldehyde	105	9.129	9.132	-0.003	55	346205	20.5	
18 Phenol	94	9.158	9.152	0.006	95	519057	21.3	
19 Aniline	93	9.254	9.253	0.001	99	608874	23.4	
20 Bis(2-chloroethyl)ether	93	9.297	9.296	0.001	98	457320	19.8	
21 2-Chlorophenol	128	9.413	9.411	0.002	90	570425	21.2	
23 1,3-Dichlorobenzene	146	9.615	9.613	0.002	97	678730	20.3	
22 1,4-Dichlorobenzene	146	9.701	9.700	0.001	96	676283	20.4	
24 Benzyl alcohol	79	9.812	9.810	0.002	97	319497	22.5	
25 1,2-Dichlorobenzene	146	9.903	9.902	0.001	100	649809	20.3	
26 2-Methylphenol	108	9.922	9.921	0.001	93	439829	21.3	
27 2,2'-oxybis[1-chloropropane]	45	9.966	9.969	-0.003	52	410401	20.6	
28 3 & 4 Methylphenol	107	10.105	10.099	0.006	92	490426	21.6	
29 N-Nitrosodi-n-propylamine	42	10.134	10.128	0.006	78	154223	21.6	
30 Acetophenone	105	10.158	10.157	0.001	87	635934	21.3	
31 Hexachloroethane	117	10.331	10.335	-0.004	96	241973	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.394	10.392	0.002	77	394692	20.4	
33 Isophorone	82	10.672	10.671	0.001	97	801367	20.2	
35 2,4-Dimethylphenol	107	10.783	10.777	0.006	88	445157	21.1	
34 2-Nitrophenol	139	10.793	10.796	-0.003	86	298902	20.7	
36 Benzoic acid	105	10.865	10.820	0.045	84	291539	19.9	M
37 Bis(2-chloroethoxy)methane	93	10.903	10.902	0.001	94	515732	20.1	
38 2,4-Dichlorophenol	162	11.081	11.080	0.001	87	426727	20.6	
39 1,2,4-Trichlorobenzene	180	11.206	11.205	0.001	93	539468	20.3	
41 Naphthalene	128	11.322	11.320	0.002	98	1629240	20.5	
42 4-Chloroaniline	127	11.355	11.359	-0.004	48	578791	26.2	
43 Hexachlorobutadiene	225	11.452	11.450	0.002	96	285263	20.4	
44 Caprolactam	55	11.803	11.777	0.026	74	118422	20.4	
45 4-Chloro-3-methylphenol	107	11.923	11.921	0.002	90	374030	22.5	
46 2-Methylnaphthalene	142	12.182	12.181	0.001	89	1042109	21.0	
47 1-Methylnaphthalene	142	12.312	12.311	0.001	91	1084610	20.8	
48 Hexachlorocyclopentadiene	237	12.370	12.369	0.001	88	235942	20.8	
49 1,2,4,5-Tetrachlorobenzene	216	12.389	12.388	0.001	97	469455	20.7	
50 2,4,6-Trichlorophenol	196	12.509	12.508	0.001	88	302504	21.8	
51 2,4,5-Trichlorophenol	196	12.558	12.556	0.002	96	301650	21.9	
52 1,1'-Biphenyl	154	12.731	12.725	0.006	92	1279951	20.5	
53 2-Chloronaphthalene	162	12.779	12.777	0.002	94	1167120	20.6	
54 Phenyl ether	170	12.841	12.840	0.001	86	721503	21.0	
55 2-Nitroaniline	138	12.880	12.874	0.006	76	286263	23.8	
56 Dimethyl phthalate	163	13.038	13.032	0.006	99	1172916	21.1	
58 Acenaphthylene	152	13.264	13.263	0.001	97	1607633	21.1	
59 3-Nitroaniline	138	13.337	13.330	0.007	89	187788	22.7	
60 2,4-Dinitrophenol	184	13.442	13.441	0.001	56	134152	19.7	
61 Acenaphthene	153	13.452	13.451	0.001	93	1089444	20.4	
62 4-Nitrophenol	139	13.462	13.455	0.007	44	196998	20.1	
63 2,4-Dinitrotoluene	165	13.582	13.576	0.006	91	316876	20.5	
57 2,6-Dinitrotoluene	165	13.125	13.576	-0.451	84	267497	22.4	
64 Dibenzofuran	168	13.635	13.633	0.002	95	1301996	20.7	
65 2,3,4,6-Tetrachlorophenol	232	13.707	13.701	0.006	0	230148	20.5	
66 Diethyl phthalate	149	13.789	13.787	0.002	98	1219222	21.4	
67 4-Chlorophenyl phenyl ether	204	13.957	13.956	0.001	87	508235	20.9	
68 4-Nitroaniline	138	14.000	13.994	0.006	32	187886	20.5	
69 Fluorene	166	14.000	13.999	0.001	81	1105562	20.5	
70 4,6-Dinitro-2-methylphenol	198	14.015	14.009	0.007	91	180633	20.6	
72 N-Nitrosodiphenylamine	169	14.077	14.076	0.001	51	882574	24.3	
71 Diphenylamine	169	14.077	14.076	0.001	0	882574	20.8	
73 1,2-Diphenylhydrazine	77	14.125	14.124	0.001	1	1234121	21.7	
74 Azobenzene	77	14.125	14.124	0.001	91	1234121	21.7	
13 Benzophenone	105	14.140	14.138	0.002	91	956974	21.4	
75 4-Bromophenyl phenyl ether	248	14.462	14.461	0.001	55	267526	20.2	
77 Atrazine	200	14.563	14.562	0.001	75	269253	21.3	
76 Hexachlorobenzene	284	14.572	14.566	0.006	93	292987	20.5	
78 Pentachlorophenol	266	14.746	14.744	0.002	89	171173	20.5	
79 Pentachloronitrobenzene	237	14.760	14.759	0.001	79	125276	21.7	
80 Phenanthrene	178	14.972	14.970	0.002	98	1397376	20.0	
81 Anthracene	178	15.020	15.018	0.002	97	1424957	21.2	
83 Carbazole	167	15.149	15.148	0.001	81	906635	17.7	
84 Di-n-butyl phthalate	149	15.366	15.365	0.001	99	1897348	20.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.087	16.086	0.001	98	1483602	20.9	
86 Benzidine	184	16.155	16.153	0.001	99	273936	24.6	
85 Pyrene	202	16.323	16.322	0.001	97	1477721	20.0	
89 Butyl benzyl phthalate	149	16.809	16.812	-0.003	92	808064	21.0	
92 Bis(2-ethylhexyl) phthalate	149	17.414	17.413	0.001	91	1147673	21.8	
91 3,3'-Dichlorobenzidine	252	17.559	17.557	0.002	61	269543	19.6	
93 Benzo[a]anthracene	228	17.679	17.673	0.006	99	1233102	20.4	
94 Chrysene	228	17.737	17.731	0.006	97	1182902	20.2	
95 Di-n-octyl phthalate	149	18.352	18.351	0.001	98	1768782	20.1	
97 Benzo[b]fluoranthene	252	19.492	19.486	0.006	98	1016837	22.8	
98 Benzo[k]fluoranthene	252	19.550	19.539	0.011	98	1000855	23.2	
99 Benzo[a]pyrene	252	20.228	20.217	0.011	74	764738	21.2	
100 Indeno[1,2,3-cd]pyrene	276	23.358	23.338	0.020	93	580946	20.2	
101 Dibenz(a,h)anthracene	278	23.348	23.342	0.006	70	475054	19.3	
102 Benzo[g,h,i]perylene	276	24.315	24.299	0.016	95	469944	19.0	

QC Flag Legend

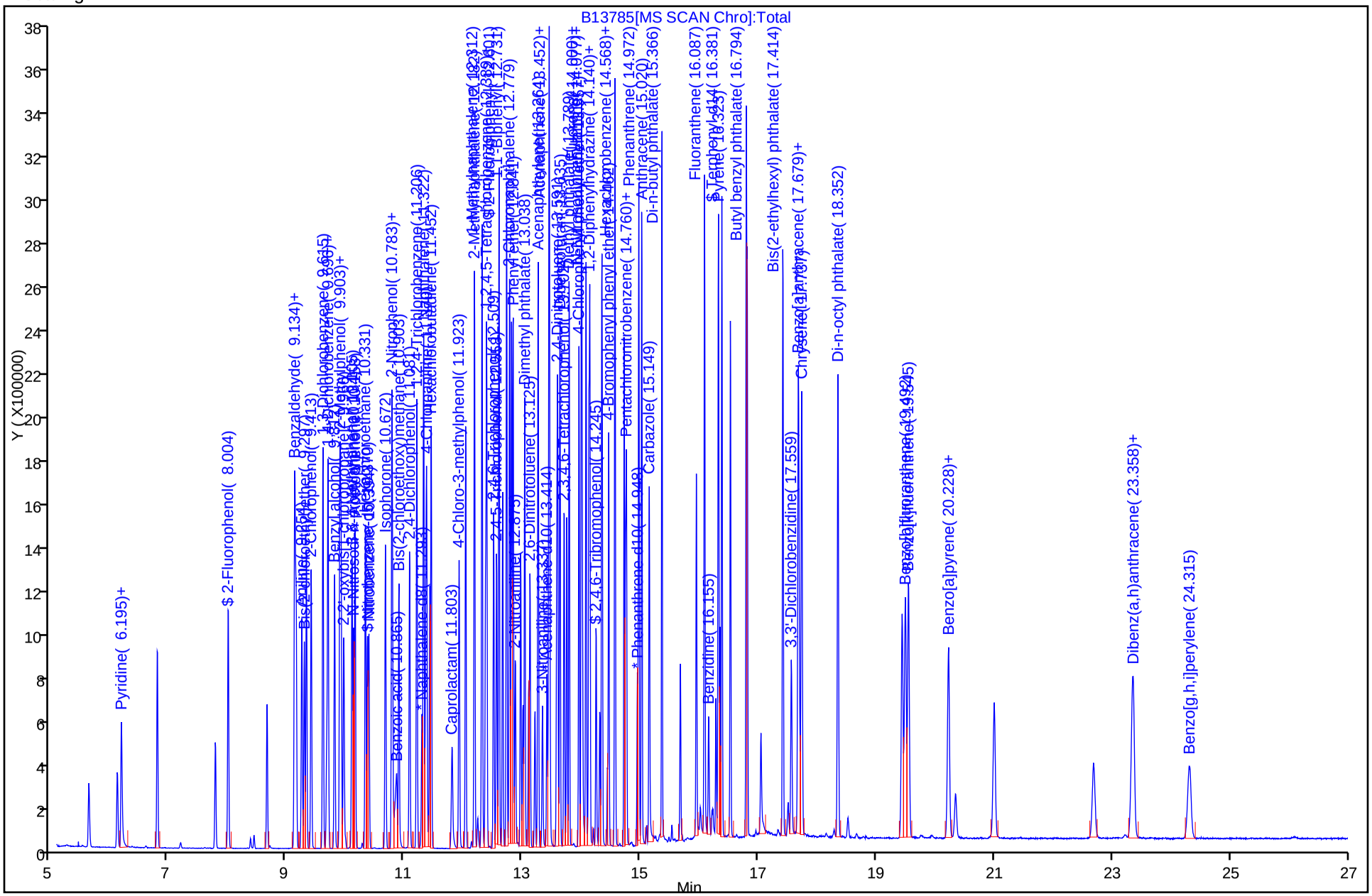
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 14:29:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D

Injection Date:	20-Dec-2010 20:38:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	10
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:29:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

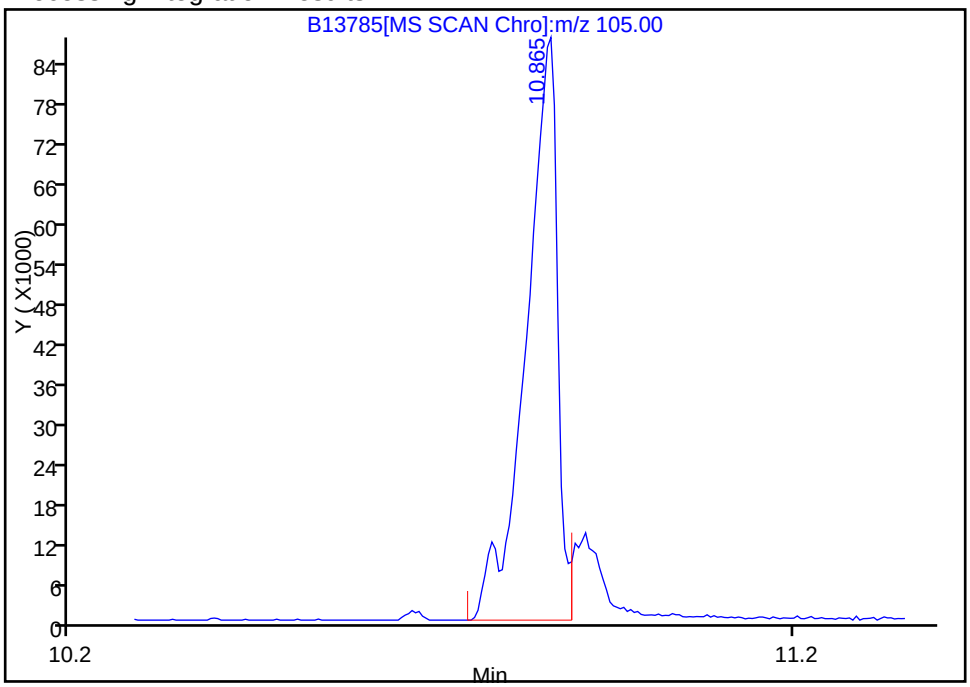
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Injection Date:	20-Dec-2010 20:38:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	10
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.82

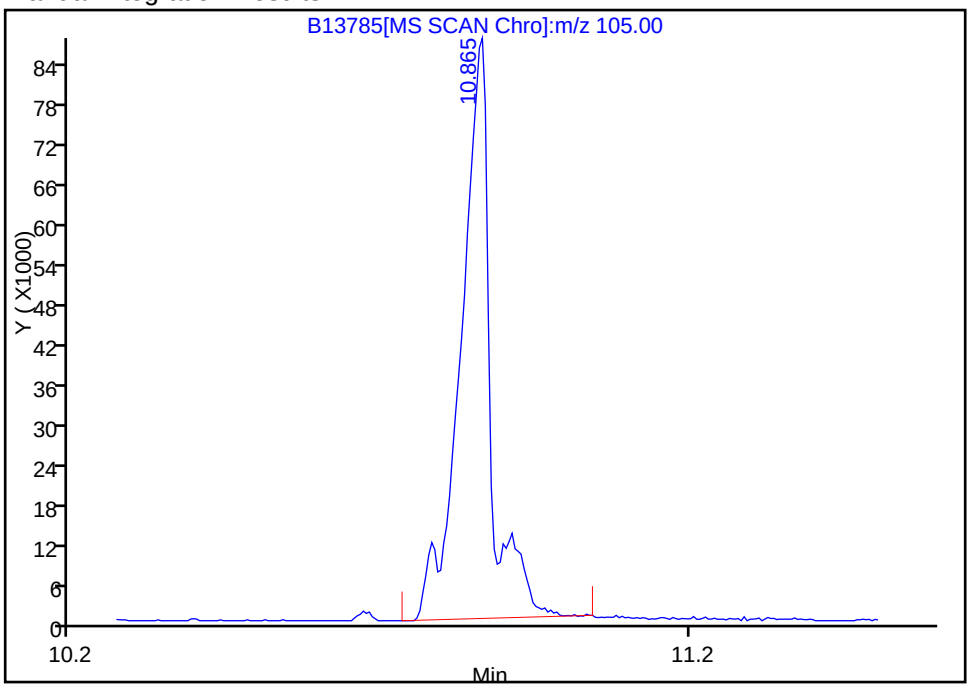
Processing Integration Results

RT: 10.86
Response: 263688
Amount: 19.838249



Manual Integration Results

RT: 10.86
Response: 291539
Amount: 19.917682



Reviewer: testerc, 21-Dec-2010 09:36:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 360-67510/2	J2072.D
Level 2	STD05 360-67510/3	J2073.D
Level 3	STD1 360-67510/4	J2074.D
Level 4	STD25 360-67510/5	J2075.D
Level 5	STD5 360-67510/6	J2076.D
Level 6	STD8 360-67510/7	J2077.D
Level 7	STD10 360-67510/8	J2078.D
Level 8	STD15 360-67510/9	J2079.D
Level 9	STD20 360-67510/10	J2080.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.2913	0.2872 0.2903	0.2847 0.2899	0.2902 0.2900	0.2875	Ave		0.2889				0.8		20.0			
N-Nitrosodimethylamine	0.5098	0.4626 0.4960	0.4536 0.5061	0.4727 0.5082	0.4884	Ave		0.4872				4.5		20.0			
Pyridine	0.5870	0.4778 0.6030	0.5081 0.5988	0.5708 0.5975	0.5700	Ave		0.5641				8.2		20.0			
Benzaldehyde	0.6562	0.5396 0.6469	0.5975 0.6364	0.6180 0.6566	0.6493	Ave		0.6251				6.4		20.0			
Phenol	0.9438	0.8731 0.9346	0.8933 0.9790	0.9241 0.9855	0.9313	Ave		0.9331			0.8000	4.1		20.0			
Aniline	1.1386	1.0181 1.1343	1.0506 1.1482	1.0927 1.1530	1.1080	Ave		1.1054				4.4		20.0			
Bis(2-chloroethyl)ether	0.7730	0.7342 0.7566	0.7417 0.7736	0.7592 0.7765	0.7561	Ave		0.7589			0.7000	2.0		20.0			
2-Chlorophenol	1.0610	0.9626 1.0628	0.9592 1.0899	1.0161 1.0865	1.0407	Ave		1.0348			0.8000	5.0		20.0			
1,3-Dichlorobenzene	1.1657	1.1629 1.1594	1.1288 1.1744	1.1618 1.1881	1.1561	Ave		1.1621				1.5		20.0			
1,4-Dichlorobenzene	1.2044	1.1932 1.1975	1.1732 1.2077	1.1902 1.2178	1.1738	Ave		1.1947				1.3		20.0			
Benzyl alcohol	0.6125	0.4908 0.6094	0.5209 0.6204	0.5457 0.6214	0.5818	Ave		0.5754				8.8		20.0			
1,2-Dichlorobenzene	1.1202	1.0742 1.1211	1.0927 1.1376	1.1027 1.1207	1.0839	Ave		1.1066				2.0		20.0			
2-Methylphenol	0.7698	0.6949 0.7619	0.7066 0.7861	0.7420 0.7701	0.7446	Ave		0.7470			0.7000	4.3		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.0745	1.0601 1.0592	1.0552 1.0731	1.0698 1.0658	1.0462	Ave		1.0630			0.0100	0.9		20.0			
3 & 4 Methylphenol	0.8877	0.7940 0.8770	0.8165 0.9076	0.8552 0.9163	0.8708	Ave		0.8656			0.6000	4.9		20.0			
N-Nitrosodi-n-propylamine	0.4334	0.3600 0.4263	0.3726 0.4413	0.3960 0.4470	0.4091	Ave		0.4107				7.8		20.0			
Acetophenone	1.1897	1.0620 1.1786	1.1384 1.2143	1.1482 1.2229	1.1572	Ave		1.1639			0.0100	4.4		20.0			
Hexachloroethane	0.4286	0.3915 0.4282	0.4067 0.4420	0.4070 0.4349	0.4205	Ave		0.4199			0.3000	4.0		20.0			
Nitrobenzene	0.1906	0.1711 0.1900	0.1724 0.1906	0.1836 0.1907	0.1851	Lin1	-0.014	0.1912							1.0000		0.9900
Isophorone	0.3413	0.2775 0.3435	0.2864 0.3475	0.3188 0.3487	0.3337	Lin1	-0.049	0.3490							1.0000		0.9900
2-Nitrophenol	0.1396	0.0995 0.1430	0.1097 0.1478	0.1238 0.1474	0.1388	Ave		0.1312			0.1000	14.0		20.0			
2,4-Dimethylphenol	0.2123	0.1973 0.2149	0.1985 0.2182	0.2119 0.2183	0.2136	Ave		0.2106			0.2000	3.9		20.0			
Benzoic acid	0.2365	0.2390	0.0217 0.4137	0.0305 +++++	0.1196	Qua	0.0190	-0.032	0.0295						0.9950		0.9900
Bis(2-chloroethoxy)methane	0.2229	0.2100 0.2263	0.2114 0.2272	0.2199 0.2275	0.2191	Lin1	-0.013	0.2269							1.0000		0.9900
2,4-Dichlorophenol	0.1931	0.1627 0.1928	0.1683 0.2008	0.1822 0.2023	0.1861	Lin1	-0.028	0.1999							0.9990		0.9900
1,2,4-Trichlorobenzene	0.2377	0.2318 0.2352	0.2242 0.2370	0.2324 0.2417	0.2325	Ave		0.2341				2.2		20.0			
Naphthalene	0.7856	0.7867 0.7862	0.7510 0.7771	0.7787 0.7771	0.7779	Ave		0.7775			0.7000	1.5		20.0			
4-Chloroaniline	0.3190	0.2759 0.3217	0.2709 0.3196	0.2922 0.3208	0.3004	Ave		0.3026			0.0100	6.9		20.0			
Hexachlorobutadiene	0.1061 0.1171	0.1127 0.1158	0.1072 0.1215	0.1121 0.1229	0.1142	Ave		0.1144			0.0100	5.0		20.0			
Caprolactam	0.0780	0.0486 0.0761	0.0569 0.0770	0.0633 0.0775	0.0716	Lin	-0.024	0.0787							1.0000		0.9900
4-Chloro-3-methylphenol	0.1928	0.1549 0.1953	0.1656 0.1989	0.1754 0.2008	0.1861	Ave		0.1837				9.1		20.0			
2-Methylnaphthalene	0.4970	0.4781 0.4950	0.4794 0.4965	0.4878 0.5003	0.4792	Ave		0.4892			0.4000	1.9		20.0			
1-Methylnaphthalene	0.4986	0.4654 0.4994	0.4708 0.4971	0.4893 0.5025	0.4839	Ave		0.4884				2.9		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

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								
Hexachlorocyclopentadiene	0.1951	0.1647 0.1767	0.1789 0.2072	0.1669 0.1718	0.1841	Ave		0.1807				8.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.1974	0.1897 0.2013	0.1873 0.2058	0.1932 0.2108	0.1953	Ave		0.1976				4.1		20.0			
2,4,6-Trichlorophenol	0.2497	0.1736 0.2455	0.2021 0.2575	0.2155 0.2581	0.2341	Ave		0.2295			0.2000	13.0		20.0			
2,4,5-Trichlorophenol	0.2497	0.1863 0.2477	0.1986 0.2575	0.2163 0.2618	0.2315	Ave		0.2312			0.2000	12.0		20.0			
1,1'-Biphenyl	1.1629	1.1342 1.1399	1.1325 1.1317	1.1543 1.1426	1.1376	Ave		1.1420				1.0		20.0			
2-Chloronaphthalene	1.0807	1.0168 1.0470	1.0168 1.0650	1.0190 1.0537	1.0044	Ave		1.0379				2.6		20.0			
Diphenyl oxide	0.3146	0.2987 0.3187	0.3006 0.3231	0.3119 0.3252	0.3054	Ave		0.3123				3.2		20.0			
2-Nitroaniline	0.3088	0.2102 0.3069	0.2437 0.3078	0.2653 0.3118	0.2926	Ave		0.2809				13.0		20.0			
Dimethyl phthalate	1.0141	0.9129 1.0046	0.9525 0.9991	0.9898 1.0038	0.9958	Ave		0.9841			0.0100	3.5		20.0			
2,6-Dinitrotoluene	0.2425	0.1909 0.2380	0.2124 0.2432	0.2273 0.2415	0.2328	Ave		0.2286			0.2000	8.0		20.0			
Acenaphthylene	1.3073 1.4803	1.3192 1.4364	1.3571 1.4616	1.4164 1.4582	1.4315	Ave		1.4076			0.9000	4.5		20.0			
3-Nitroaniline	0.2451	0.1843 0.2386	0.2189 0.2486	0.2190 0.2448	0.2292	Ave		0.2286				9.3		20.0			
2,4-Dinitrophenol	0.0893	0.0801	0.0383 0.1089	0.0403 +++++	0.0681	QuaF		0.0455	0.0042		0.0100				0.9920		0.9900
Acenaphthene	0.9076	0.8940 0.8944	0.8648 0.9041	0.8966 0.8916	0.8905	Lin1	-0.011	0.8982							1.0000		0.9900
4-Nitrophenol	0.1675	0.0929 0.1574	0.1212 0.1798	0.1219 0.1602	0.1470	Lin	-0.063	0.1698			0.0100				0.9920		0.9900
2,4-Dinitrotoluene	0.3135	0.2140 0.3112	0.2506 0.3165	0.2766 0.3178	0.2965	Ave		0.2871			0.2000	13.0		20.0			
Dibenzofuran	1.2201	1.1380 1.2117	1.1495 1.1924	1.1806 1.2008	1.1822	Ave		1.1844			0.8000	2.4		20.0			
2,3,4,6-Tetrachlorophenol	0.1792	0.0714 0.1742	0.1075 0.1932	0.1295 0.1841	0.1533	Lin	-0.117	0.1924							0.9970		0.9900
Diethyl phthalate	1.1037	0.9339 1.0962	0.9922 1.0982	1.0290 1.0864	1.0712	Ave		1.0513			0.0100	5.8		20.0			
4-Chlorophenyl phenyl ether	0.4625	0.4242 0.4589	0.4312 0.4620	0.4330 0.4618	0.4450	Ave		0.4473				3.6		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitroaniline	0.2315	0.1505 0.2216	0.1925 0.2425	0.1908 0.2264	0.2033	Ave		0.2074				14.0		20.0			
Fluorene	1.0087	0.8992 0.9929	0.9453 0.9971	0.9502 0.9868	0.9723	Ave		0.9691			0.9000	3.7		20.0			
4,6-Dinitro-2-methylphenol	0.0760	0.0196 0.0708	0.0442 0.0854	0.0462 0.0762	0.0625	Lin	-0.058	0.0817							0.9900		0.9900
Diphenylamine	0.4782	0.4426 0.4852	0.4507 0.4751	0.4832 0.4843	0.4778	Ave		0.4721				3.4		20.0			
N-Nitrosodiphenylamine	0.4087	0.3783 0.4147	0.3852 0.4061	0.4130 0.4139	0.4084	Ave		0.4035				3.4		20.0			
1,2-Diphenylhydrazine	0.6474	0.6041 0.6509	0.6205 0.6472	0.6723 0.6492	0.6565	Ave		0.6435				3.3		20.0			
Azobenzene	0.6474	0.6041 0.6509	0.6205 0.6472	0.6723 0.6492	0.6565	Ave		0.6435				3.3		20.0			
Benzophenone	0.5222	0.4686 0.5234	0.4985 0.5196	0.5311 0.5243	0.5295	Ave		0.5147				4.1		20.0			
4-Bromophenyl phenyl ether	0.1312	0.1254 0.1316	0.1222 0.1344	0.1294 0.1371	0.1302	Ave		0.1302			0.1000	3.6		20.0			
Hexachlorobenzene	0.1250	0.1223 0.1264	0.1191 0.1303	0.1292 0.1364	0.1227	Ave		0.1264			0.1000	4.3		20.0			
Atrazine	0.1476	0.1250 0.1487	0.1288 0.1465	0.1438 0.1495	0.1450	Ave		0.1419				6.7		20.0			
Pentachlorophenol	0.0620	0.0116 0.0588	0.0254 0.0708	0.0352 0.0674	0.0507	Lin1	-0.040	0.0676							0.9900		0.9900
Pentachloronitrobenzene	0.0652	0.0507 0.0651	0.0541 0.0659	0.0618 0.0679	0.0631	Ave		0.0617				9.9		20.0			
Phenanthrene	0.8832 0.7714	0.7709 0.7761	0.7600 0.7693	0.7758 0.7707	0.7659	Ave		0.7826			0.7000	4.9		20.0			
Anthracene	0.7638	0.6860 0.7814	0.7376 0.7635	0.7606 0.7779	0.7679	Ave		0.7548			0.7000	4.1		20.0			
Carbazole	0.6360	0.5675 0.6149	0.6264 0.6370	0.6101 0.6012	0.6177	Ave		0.6138				3.7		20.0			
Di-n-butyl phthalate	1.0050	0.9764 1.0095	0.9867 0.9776	0.9927 0.9873	1.0148	Ave		0.9937			0.0100	1.5		20.0			
Fluoranthene	0.7250	0.6766 0.7067	0.7141 0.6972	0.7015 0.6702	0.7073	Ave		0.6998			0.6000	2.6		20.0			
Benzidine	0.2155	0.1436 0.1880	0.2099 0.2423	0.1683 0.2258	0.1947	Ave		0.1985				16.0		20.0			
Pyrene	1.1542	1.2141 1.3183	0.9923 1.2265	1.2089 1.1716	1.1770	Ave		1.1829			0.6000	7.8		20.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.6345	0.4804 0.6618	0.6480 0.6239	0.5920 0.6042	0.6231	Ave		0.6085			0.0100	9.3		20.0			
Bis(2-ethylhexyl) phthalate	0.8004	0.6692 0.8180	0.6904 0.7644	0.7631 0.7370	0.8037	Ave		0.7558			0.0100	7.1		20.0			
3,3'-Dichlorobenzidine	0.2000	0.1279 0.1961	0.1961 0.2108	0.1992 0.2173	0.2105	Ave		0.1947			0.0100	14.0		20.0			
Benzo[a]anthracene	0.8367 0.8281	0.7440 0.8203	0.7631 0.8254	0.8026 0.8152	0.8027	Ave		0.8042			0.8000	3.9		20.0			
Chrysene	0.7456	0.7598 0.7516	0.7192 0.7513	0.7313 0.7414	0.7381	Ave		0.7423			0.7000	1.7		20.0			
Di-n-octyl phthalate	2.5524	1.7903 2.6654	1.5426 2.6250	2.3242 2.4287	2.4010	Lin	-0.253	2.5371			0.0100				0.9960		0.9900
Benzo[b]fluoranthene	1.0143 1.1753	1.0991 1.1818	0.9769 1.2304	1.1575 1.1840	1.1020	Ave		1.1246			0.7000	7.5		20.0			
Benzo[k]fluoranthene	0.8297 1.0251	1.0062 1.0810	0.9488 1.0875	1.0235 1.0911	1.0775	Ave		1.0189			0.7000	8.4		20.0			
Benzo[a]pyrene	0.9356 0.8384	0.5841 0.8378	0.6809 0.8766	0.7557 0.8867	0.8368	Ave		0.8036			0.7000	14.0		20.0			
Indeno[1,2,3-cd]pyrene	0.6149	0.3429 0.5733	0.5294 0.6468	0.5628 0.6372	0.6178	Lin	-0.211	0.6448			0.5000				0.9980		0.9900
Dibenz(a,h)anthracene	0.4849	0.2726 0.4624	0.4282 0.5258	0.4649 0.5063	0.5065	Lin	-0.145	0.5151			0.4000				0.9970		0.9900
Benzo[g,h,i]perylene	0.4918	0.3196 0.4632	0.4593 0.5251	0.4872 0.4975	0.5129	Lin1	-0.075	0.5063							0.9980		0.9900
2-Fluorophenol	0.4269	0.3999 0.4196	0.3838 0.4244	0.4214 0.4157	0.4239	Ave		0.4145				3.6		20.0			
Phenol-d5	1.0104	0.8880 1.0094	0.9222 1.0303	0.9624 1.0303	0.9838	Ave		0.9796				5.3		20.0			
Nitrobenzene-d5	0.2104	0.1869 0.2097	0.1872 0.2085	0.1988 0.2112	0.2061	Ave		0.2024				5.1		20.0			
2-Fluorobiphenyl	1.0436	1.0276 1.0179	0.9873 1.0161	1.0440 1.0537	1.0379	Ave		1.0285				2.1		20.0			
2,4,6-Tribromophenol	0.0479	0.0280 0.0484	0.0321 0.0541	0.0377 0.0545	0.0426	Lin	-0.042	0.0558							0.9970		0.9900
Terphenyl-d14	0.6992	0.7080 0.7930	0.5989 0.7419	0.7185 0.7223	0.7039	Ave		0.7107				7.6		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 360-67510/2	J2072.D
Level 2	STD05 360-67510/3	J2073.D
Level 3	STD1 360-67510/4	J2074.D
Level 4	STD25 360-67510/5	J2075.D
Level 5	STD5 360-67510/6	J2076.D
Level 6	STD8 360-67510/7	J2077.D
Level 7	STD10 360-67510/8	J2078.D
Level 8	STD15 360-67510/9	J2079.D
Level 9	STD20 360-67510/10	J2080.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane		Ave	46382	2880 53291	6346 90624	13679 108536	31862	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodimethylamine		Ave	81171	4640 91058	10113 158230	22283 190203	54124	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pyridine		Ave	93474	4792 110705	11328 187203	26905 223656	63165	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzaldehyde		Ave	104483	5412 118760	13320 198948	29131 245751	71956	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenol		Ave	150287	8757 171569	19915 306076	43558 368882	103199	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Aniline		Ave	181301	10211 208236	23420 358957	51505 431555	122790	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-chloroethyl)ether		Ave	123078	7364 138890	16534 241844	35786 290657	83786	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Chlorophenol		Ave	168944	9654 195106	21383 340736	47897 406654	115330	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,3-Dichlorobenzene		Ave	185606	11663 212842	25164 367169	54764 444688	128118	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,4-Dichlorobenzene		Ave	191781	11967 219831	26155 377567	56103 455807	130079	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzyl alcohol		Ave	97534	4922 111883	11612 193973	25725 232603	64477	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2-Dichlorobenzene		Ave	178370	10774 205823	24359 355652	51979 419482	120110	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Methylphenol		Ave	122571	6969 139865	15753 245768	34974 288253	82517	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,2'-oxybis[1-chloropropane]		Ave	171092	10632 194447	23523 335497	50429 398908	115936	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol		Ave	141341	7963 160998	18203 283742	40312 342949	96500	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodi-n-propylamine		Ave	69015	3611 78260	8307 137974	18668 167316	45338	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Acetophenone		Ave	189432	10651 216372	25378 379642	54122 457723	128238	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachloroethane		Ave	68242	3926 78613	9067 138199	19187 162764	46604	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Nitrobenzene		Lin1	119262	6589 136441	15219 235253	33787 284584	80187	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Isophorone		Lin1	213518	10687 246626	25276 428882	58658 520290	144563	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Nitrophenol		Ave	87316	3834 102671	9685 182443	22774 219890	60146	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dimethylphenol		Ave	132795	7601 154315	17516 269339	38997 325646	92524	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzoic acid		Qua	37651	43874	484 129323	1439 +++++	13258	8.00	10.0	1.00 15.0	2.50 +++++	5.00
Bis(2-chloroethoxy)methane		Lin1	139465	8088 162469	18662 280394	40465 339483	94945	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dichlorophenol		Lin1	120796	6265 138408	14857 247878	33531 301843	80610	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2,4-Trichlorobenzene		Ave	148718	8930 168893	19788 292505	42770 360693	100719	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Naphthalene		Ave	491479	30301 564489	66290 959091	143293 1159429	337016	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chloroaniline		Ave	199585	10625 230955	23911 394504	53773 478588	130137	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorobutadiene		Ave	1289 73274	4341 83152	9464 150023	20626 183344	49481	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Caprolactam		Lin	48779	1872 54675	5018 95079	11652 115573	31006	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chloro-3-methylphenol		Ave	120605	5967 140225	14613 245529	32280 299563	80644	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Methylnaphthalene		Ave	310923	18414 355437	42317 612778	89763 746474	207632	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1-Methylnaphthalene		Ave	311891	17924 358566	41554 613599	90037 749733	209646	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorocyclopentadiene		Ave	64585	3212 69192	8155 140218	15994 141494	41447	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2,4,5-Tetrachlorobenzene		Ave	123493	7307 144546	16528 253999	35549 314469	84597	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,6-Trichlorophenol		Ave	82665	3387 96131	9212 174278	20649 212473	52703	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4,5-Trichlorophenol		Ave	82645	3634 97016	9053 174275	20725 215540	52113	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,1'-Biphenyl		Ave	384970	22123 446456	51616 765850	110608 940805	256093	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Chloronaphthalene		Ave	357762	19833 410065	46339 720666	97636 867560	226100	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Diphenyl oxide		Ave	196787	11504 228837	26536 398771	57396 485286	132301	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Nitroaniline		Ave	102217	4101 120185	11106 208287	25424 256695	65868	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dimethyl phthalate		Ave	335712	17807 393434	43409 676130	94840 826499	224165	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,6-Dinitrotoluene		Ave	80278	3724 93216	9678 164553	21778 198815	52414	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Acenaphthylene		Ave	8067 490030	25733 562572	61852 989099	135715 1200638	322259	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
3-Nitroaniline		Ave	81142	3595 93465	9977 168247	20984 201551	51597	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dinitrophenol		QuaF	29549	31380	1745 73703	3864 +++++	15330	8.00	10.0	1.00 15.0	2.50 +++++	5.00
Acenaphthene		Lin1	300452	17438 350288	39414 611843	85911 734112	200460	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Nitrophenol		Lin	55463	1812 61650	5524 121686	11685 131914	33103	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dinitrotoluene		Ave	103774	4174 121870	11423 214207	26502 261638	66749	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dibenzofuran		Ave	403911	22198 474563	52389 806880	113128 988663	266134	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,3,4,6-Tetrachlorophenol		Lin	59318	1392 68235	4898 130726	12413 151619	34509	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Diethyl phthalate		Ave	365353	18216 429334	45221 743160	98600 894490	241145	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chlorophenyl phenyl ether		Ave	153113	8275 179724	19652 312654	41485 380261	100178	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Nitroaniline		Ave	76645	2936 86770	8775 164089	18285 186397	45758	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Fluorene		Ave	333918	17539 388855	43084 674776	91043 812528	218891	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4,6-Dinitro-2-methylphenol		Lin	44462	617 48157	3449 102219	7191 108603	23815	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diphenylamine		Ave	279785	13934 329996	35141 568495	75167 690220	182083	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodiphenylamine		Ave	279785	13934 329996	35141 568495	75167 690220	182083	9.36	0.585 11.7	1.17 17.6	2.93 23.4	5.85
1,2-Diphenylhydrazine		Ave	378829	19018 442692	48388 774395	104580 925359	250189	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Azobenzene		Ave	378829	19018 442692	48388 774395	104580 925359	250189	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzophenone		Ave	305518	14753 356009	38875 621724	82609 747217	201807	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Bromophenyl phenyl ether		Ave	76742	3947 89508	9529 160773	20131 195430	49614	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorobenzene		Ave	73159	3850 85998	9288 155854	20100 194465	46774	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Atrazine		Ave	86377	3936 101164	10047 175326	22370 213059	55258	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pentachlorophenol		Lin1	36304	364 40014	1979 84689	5483 96093	19327	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pentachloronitrobenzene		Ave	38175	1595 44308	4219 78821	9615 96710	24048	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenanthrene		Ave	8769 451343	24269 527876	59265 920536	120668 1098413	291885	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Anthracene		Ave	446908	21596 531440	57519 913556	118313 1108773	292640	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Carbazole		Ave	372111	17866 418197	48842 762199	94893 856838	235416	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Di-n-butyl phthalate		Ave	588026	30738 686598	76939 1169792	154417 1407176	386735	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Fluoranthene		Ave	424197	21301 480681	55680 834215	109123 955235	269557	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzidine		Ave	126098	4521 127869	16367 289968	26175 321772	74209	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pyrene		Ave	414885	21846 471629	56642 815692	109327 930760	265046	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Butyl benzyl phthalate		Ave	228076	8643 236760	36989 414954	53538 480002	140302	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-ethylhexyl) phthalate		Ave	287685	12041 292630	39412 508333	69007 585502	180983	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
3,3'-Dichlorobenzidine		Ave	71883	2302 70146	11196 140199	18015 172668	47397	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[a]anthracene		Ave	4594 297640	13386 293473	43561 548931	72587 647628	180746	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 67510

SDG No.: 360-31465-1

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

Calibration Start Date: 12/21/2010 14:12 Calibration End Date: 12/21/2010 18:32 Calibration ID: 10907

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chrysene		Ave	267987	13671 268901	41054 499648	66132 588978	166204	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Di-n-octyl phthalate		Lin	314253	8788 301185	35899 545956	68622 645364	188374	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[b]fluoranthene		Ave	1829 144705	5395 133546	22733 255911	34175 314613	86457	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[k]fluoranthene		Ave	1496 126212	4939 122158	22079 226183	30219 289920	84540	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[a]pyrene		Ave	1687 103225	2867 94672	15846 182318	22313 235603	65655	0.200 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Indeno[1,2,3-cd]pyrene		Lin	75710	1683 64781	12320 134535	16616 169315	48468	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dibenz(a,h)anthracene		Lin	59701	1338 52252	9965 109354	13727 134546	39737	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[g,h,i]perylene		Lin1	60546	1569 52337	10688 109207	14385 132190	40243	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Fluorophenol		Ave	141321	7801 164351	17490 287215	40375 342278	95422	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenol-d5		Ave	160880	8906 185307	20558 322102	45363 385640	109023	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Nitrobenzene-d5		Ave	131651	7198 150596	16525 257370	36588 315163	89293	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Fluorobiphenyl		Ave	345460	20044 398648	44995 687610	100031 867607	233644	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4,6-Tribromophenol		Lin	28048	881 32904	2500 64747	5871 77672	16226	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Terphenyl-d14		Ave	251312	12739 283711	34188 493381	64981 573828	158511	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2072.D
Lims ID: STD02 Client ID:
Inject. Date: 21-Dec-2010 14:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD0.2
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 2
Lims Batch ID: 67510 Lims Sample ID: 2
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:44:51 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:44:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.927	7.932	-0.005	94	64034	4.00	
* 2 Naphthalene-d8	136	9.254	9.259	-0.005	99	243037	4.00	
* 3 Acenaphthene-d10	164	11.039	11.043	-0.005	91	123410	4.00	
* 4 Phenanthrene-d10	188	12.534	12.539	-0.005	95	198563	4.00	
* 5 Chrysene-d12	240	15.136	15.140	-0.004	77	109806	4.00	
* 6 Perylene-d12	264	16.362	16.362	0.0	94	36063	4.00	
$ 7 2-Fluorophenol	112	6.446	6.456	-0.010	85	2366	0.1850	
$ 8 Phenol-d5	99	7.504	7.514	-0.010	90	2927	0.1867	
$ 9 Nitrobenzene-d5	82	8.509	8.509	0.0	85	2149	0.1748	
$ 10 2-Fluorobiphenyl	172	10.332	10.336	-0.004	100	6836	0.2154	
$ 11 2,4,6-Tribromophenol	330	11.827	11.832	-0.005	1	164	0.8130	
$ 12 Terphenyl-d14	244	14.087	14.092	-0.005	98	4085	0.2094	
13 1,4-Dioxane	88	3.671	3.715	-0.044	72	1074	0.2322	
14 N-Nitrosodimethylamine	42	4.354	4.378	-0.024	67	1349	0.1730	
15 Pyridine	52	4.431	4.436	-0.005	57	973	0.1077	
16 Benzaldehyde	105	7.461	7.461	0.0	1	1822	0.1821	
17 Phenol	94	7.518	7.528	-0.010	96	2898	0.1940	
18 Aniline	93	7.571	7.576	-0.005	99	3519	0.1989	
19 Bis(2-chloroethyl)ether	93	7.629	7.634	-0.005	98	2631	0.2166	
20 2-Chlorophenol	128	7.701	7.711	-0.010	89	3009	0.1816	
21 1,3-Dichlorobenzene	146	7.870	7.874	-0.004	98	3971	0.2134	
22 1,4-Dichlorobenzene	146	7.946	7.951	-0.005	55	4143	0.2166	
23 Benzyl alcohol	79	8.057	8.062	-0.005	91	1637	0.1777	
24 1,2-Dichlorobenzene	146	8.115	8.115	0.0	98	3686	0.2081	
25 2-Methylphenol	108	8.163	8.168	-0.005	95	2236	0.1870	
26 2,2'-oxybis[1-chloropropane]	45	8.197	8.201	-0.005	57	3605	0.2119	
27 3 & 4 Methylphenol	107	8.322	8.326	-0.004	93	2511	0.1812	
28 N-Nitrosodi-n-propylamine	42	8.331	8.336	-0.005	93	1103	0.1677	
29 Acetophenone	105	8.341	8.345	-0.004	88	3472	0.1863	
30 Hexachloroethane	117	8.471	8.475	-0.004	89	1262	0.1877	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.528	8.533	-0.005	86	2090	0.2533	
32 Isophorone	82	8.764	8.764	0.0	96	3439	0.3037	
35 2-Nitrophenol	139	8.855	8.860	-0.005	73	1199	0.1504	
33 2,4-Dimethylphenol	107	8.870	8.874	-0.004	90	2461	0.1923	
36 Bis(2-chloroethoxy)methane	93	8.966	8.971	-0.005	98	2714	0.2540	
37 2,4-Dichlorophenol	162	9.096	9.100	-0.004	89	1901	0.2969	
38 1,2,4-Trichlorobenzene	180	9.192	9.197	-0.005	88	3123	0.2196	
40 Naphthalene	128	9.278	9.283	-0.005	97	10326	0.2186	
41 4-Chloroaniline	127	9.317	9.317	0.0	80	3436	0.1869	
42 Hexachlorobutadiene	225	9.394	9.399	-0.005	83	1289	0.1854	
43 Caprolactam	55	9.625	9.653	-0.028	76	643	0.4430	
44 4-Chloro-3-methylphenol	107	9.779	9.783	-0.004	93	1665	0.1492	
45 2-Methylnaphthalene	142	9.976	9.980	-0.004	87	5963	0.2006	
46 1-Methylnaphthalene	142	10.082	10.081	0.001	95	6243	0.2104	
47 Hexachlorocyclopentadiene	237	10.139	10.139	0.0	67	805	0.1444	
48 1,2,4,5-Tetrachlorobenzene	216	10.149	10.154	-0.005	96	2450	0.2041	
49 2,4,6-Trichlorophenol	196	10.250	10.255	-0.005	61	977	0.1380	
50 2,4,5-Trichlorophenol	196	10.288	10.293	-0.005	64	826	0.1158	
51 1,1'-Biphenyl	154	10.437	10.442	-0.005	92	7889	0.2239	
52 2-Chloronaphthalene	162	10.476	10.476	0.0	99	6142	0.1918	
53 Phenyl ether	170	10.538	10.538	0.0	92	3932	0.2072	
54 2-Nitroaniline	138	10.558	10.562	-0.004	58	1036	0.1195	
56 Dimethyl phthalate	163	10.716	10.721	-0.005	98	5382	0.1773	
57 2,6-Dinitrotoluene	165	10.788	10.793	-0.005	75	1098	0.1557	
58 Acenaphthylene	152	10.899	10.904	-0.005	97	8067	0.1858	
59 3-Nitroaniline	138	10.966	10.971	-0.005	68	933	0.1323	
62 Acenaphthene	153	11.072	11.077	-0.005	76	6047	0.2301	
63 2,4-Dinitrotoluene	165	11.197	11.202	-0.005	90	1164	0.1314	
64 Dibenzofuran	168	11.240	11.245	-0.005	94	7456	0.2040	
65 2,3,4,6-Tetrachlorophenol	232	11.313	11.317	-0.004	0	182	0.6409	
66 Diethyl phthalate	149	11.409	11.418	-0.009	97	5795	0.1787	
67 4-Chlorophenyl phenyl ether	204	11.558	11.563	-0.005	92	2896	0.2098	
68 4-Nitroaniline	138	11.577	11.587	-0.010	24	745	0.1164	
70 Fluorene	166	11.587	11.591	-0.004	80	6074	0.2032	
75 N-Nitrosodiphenylamine	169	11.673	11.678	-0.005	49	4436	0.2215	
71 Diphenylamine	169	11.673	11.678	-0.005	0	4436	0.1893	
73 1,2-Diphenylhydrazine	77	11.721	11.726	-0.005	1	5487	0.1718	
72 Azobenzene	77	11.721	11.726	-0.005	89	5487	0.1718	
74 Benzophenone	105	11.731	11.736	-0.005	99	4217	0.1651	
76 4-Bromophenyl phenyl ether	248	12.058	12.058	0.0	53	1261	0.1951	
78 Hexachlorobenzene	284	12.154	12.154	0.0	75	1348	0.2148	
77 Atrazine	200	12.178	12.183	-0.005	49	1150	0.1633	
80 Pentachloronitrobenzene	237	12.356	12.356	0.0	34	427	0.1394	
81 Phenanthrene	178	12.558	12.563	-0.005	81	8769	0.2257	
82 Anthracene	178	12.611	12.616	-0.005	97	7189	0.1919	
83 Carbazole	167	12.755	12.760	-0.005	81	5373	0.1763	
84 Di-n-butyl phthalate	149	13.039	13.044	-0.005	100	11996	0.2432	
86 Fluoranthene	202	13.755	13.760	-0.005	98	6923	0.1993	
87 Benzidine	184	13.847	13.852	-0.005	77	1259	0.1278	
88 Pyrene	202	13.986	13.991	-0.005	96	6915	0.2130	
90 Butyl benzyl phthalate	149	14.515	14.520	-0.005	94	3285	0.1967	
91 Bis(2-ethylhexyl) phthalate	149	15.025	15.030	-0.005	93	28722	1.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
92 3,3'-Dichlorobenzidine	252	15.059	15.068	-0.009	2	729	0.1364	
93 Benzo[a]anthracene	228	15.121	15.126	-0.005	45	4594	0.2081	A
94 Chrysene	228	15.160	15.164	-0.004	75	4548	0.2232	
95 Di-n-octyl phthalate	149	15.559	15.563	-0.004	99	4005	0.2749	
97 Benzo[b]fluoranthene	252	15.992	15.996	-0.004	96	1829	0.1804	
98 Benzo[k]fluoranthene	252	16.016	16.020	-0.004	95	1496	0.1628	
99 Benzo[a]pyrene	252	16.304	16.309	-0.005	15	1687	0.2328	
102 Indeno[1,2,3-cd]pyrene	276	17.660	17.665	-0.005	18	615	0.4323	
100 Dibenz(a,h)anthracene	278	17.665	17.670	-0.005	0	541	0.3986	A
101 Benzo[g,h,i]perylene	276	18.064	18.074	-0.010	0	584	0.2751	A

QC Flag Legend

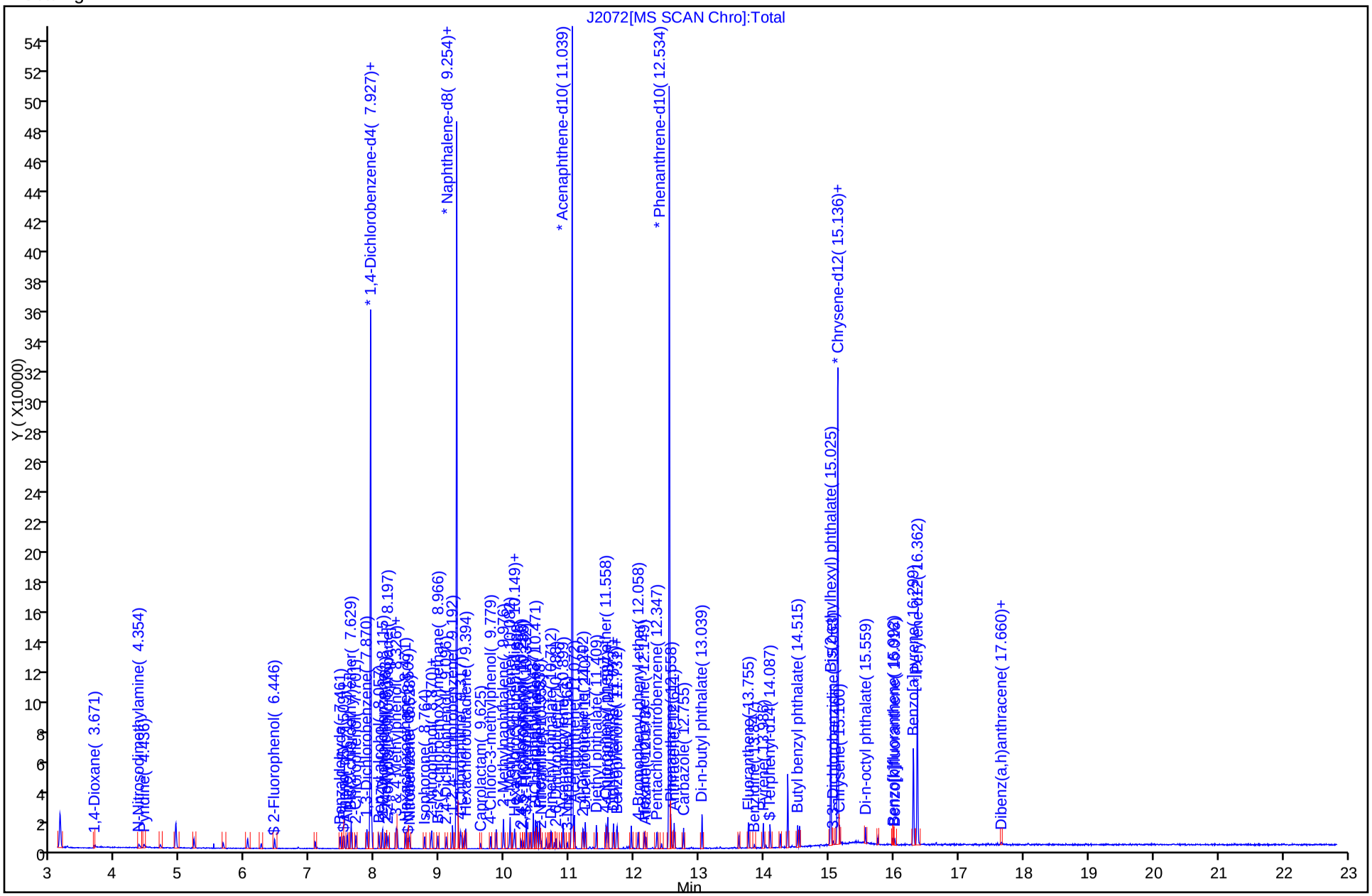
Review Flags
A - User Assigned ID

Report Date: 22-Dec-2010 14:44:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2072.D

Injection Date:	21-Dec-2010 14:12:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



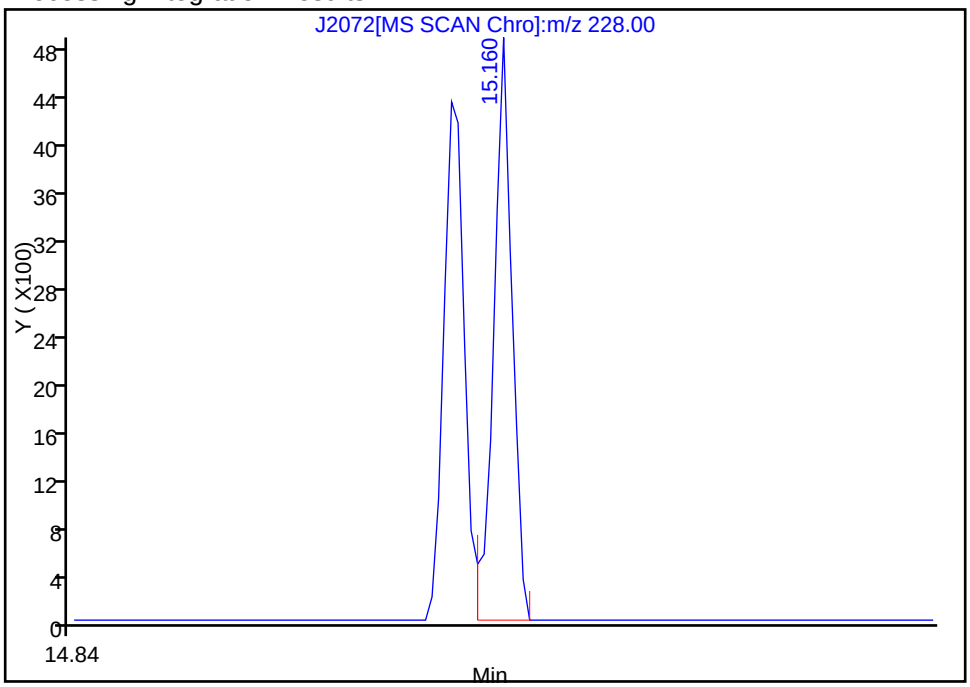
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2072.D		
Injection Date:	21-Dec-2010 14:12:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	2.00 ul

93 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 15.13

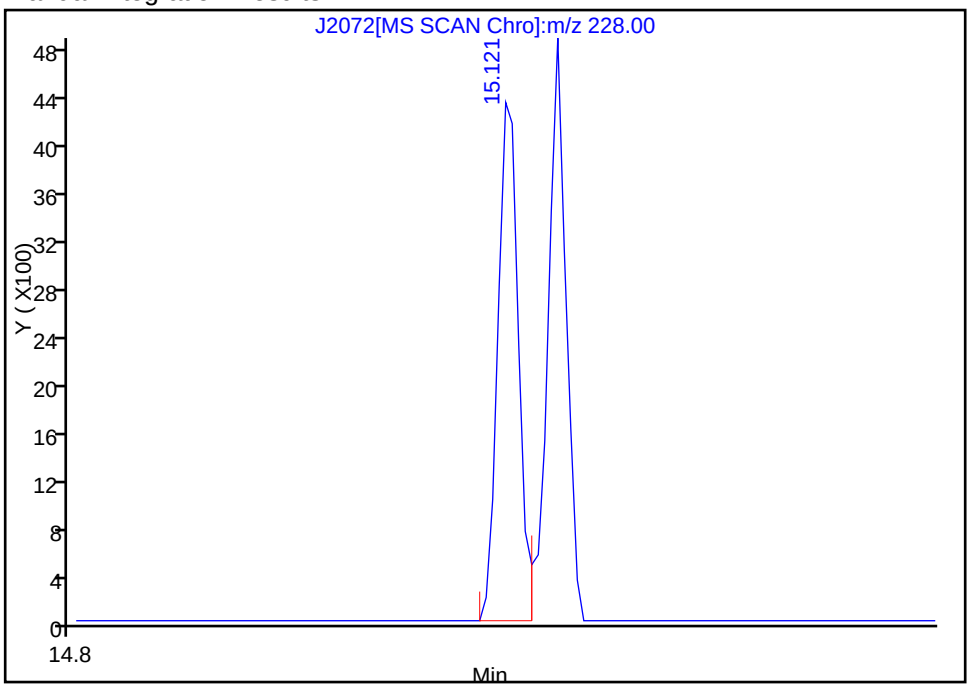
Processing Integration Results

RT: 15.16
Response: 4548
Amount: 0.206241



Manual Integration Results

RT: 15.12
Response: 4594
Amount: 0.208086



Reviewer: testerc, 22-Dec-2010 11:26:24
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2073.D
Lims ID: STD05 Client ID:
Inject. Date: 21-Dec-2010 14:44:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD0.5
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 3
Lims Batch ID: 67510 Lims Sample ID: 3
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:44:59 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:44:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.930	7.932	-0.002	95	80235	4.00	
* 2 Naphthalene-d8	136	9.257	9.259	-0.002	99	308131	4.00	
* 3 Acenaphthene-d10	164	11.036	11.043	-0.007	90	156049	4.00	
* 4 Phenanthrene-d10	188	12.536	12.539	-0.003	95	251858	4.00	
* 5 Chrysene-d12	240	15.133	15.140	-0.007	77	143945	4.00	
* 6 Perylene-d12	264	16.359	16.362	-0.003	79	39269	4.00	
$ 7 2-Fluorophenol	112	6.458	6.456	0.002	85	7801	0.4825	
$ 8 Phenol-d5	99	7.511	7.514	-0.003	89	8906	0.4532	
$ 9 Nitrobenzene-d5	82	8.507	8.509	-0.002	88	7198	0.4617	
$ 10 2-Fluorobiphenyl	172	10.334	10.336	-0.002	99	20044	0.4996	
$ 11 2,4,6-Tribromophenol	330	11.830	11.832	-0.002	70	881	1.00	
$ 12 Terphenyl-d14	244	14.090	14.092	-0.002	96	12739	0.4981	
13 1,4-Dioxane	88	3.732	3.715	0.017	96	2880	0.4970	
14 N-Nitrosodimethylamine	42	4.390	4.378	0.012	67	4640	0.4748	
15 Pyridine	52	4.453	4.436	0.017	85	4792	0.4235	
16 Benzaldehyde	105	7.463	7.461	0.002	8	5412	0.4317	
17 Phenol	94	7.526	7.528	-0.002	98	8757	0.4679	
18 Aniline	93	7.574	7.576	-0.002	99	10211	0.4605	
19 Bis(2-chloroethyl)ether	93	7.632	7.634	-0.002	97	7364	0.4838	
20 2-Chlorophenol	128	7.704	7.711	-0.007	91	9654	0.4651	
21 1,3-Dichlorobenzene	146	7.877	7.874	0.003	97	11663	0.5003	
22 1,4-Dichlorobenzene	146	7.949	7.951	-0.002	96	11967	0.4994	
23 Benzyl alcohol	79	8.059	8.062	-0.003	93	4922	0.4265	
24 1,2-Dichlorobenzene	146	8.117	8.115	0.002	98	10774	0.4854	
25 2-Methylphenol	108	8.165	8.168	-0.003	94	6969	0.4651	
26 2,2'-oxybis[1-chloropropane]	45	8.199	8.201	-0.002	56	10632	0.4986	
27 3 & 4 Methylphenol	107	8.324	8.326	-0.002	95	7963	0.4586	
28 N-Nitrosodi-n-propylamine	42	8.329	8.336	-0.007	92	3611	0.4383	
29 Acetophenone	105	8.343	8.345	-0.002	92	10651	0.4562	
30 Hexachloroethane	117	8.473	8.475	-0.002	89	3926	0.4661	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.526	8.533	-0.007	90	6589	0.5208	
32 Isophorone	82	8.762	8.764	-0.002	94	10687	0.5390	
35 2-Nitrophenol	139	8.858	8.860	-0.002	91	3834	0.3793	
33 2,4-Dimethylphenol	107	8.872	8.874	-0.002	91	7601	0.4685	
34 Benzoic acid	105	8.872	8.927	-0.055	30	275	0.8916	
36 Bis(2-chloroethoxy)methane	93	8.968	8.971	-0.003	96	8088	0.5198	
37 2,4-Dichlorophenol	162	9.098	9.100	-0.002	88	6265	0.5473	
38 1,2,4-Trichlorobenzene	180	9.194	9.197	-0.003	95	8930	0.4952	
40 Naphthalene	128	9.281	9.283	-0.002	97	30301	0.5059	
41 4-Chloroaniline	127	9.315	9.317	-0.002	82	10625	0.4559	
42 Hexachlorobutadiene	225	9.396	9.399	-0.003	89	4341	0.4926	
43 Caprolactam	55	9.627	9.653	-0.026	81	1872	0.6173	
44 4-Chloro-3-methylphenol	107	9.781	9.783	-0.002	92	5967	0.4216	
45 2-Methylnaphthalene	142	9.978	9.980	-0.002	90	18414	0.4887	
46 1-Methylnaphthalene	142	10.079	10.081	-0.002	93	17924	0.4764	
47 Hexachlorocyclopentadiene	237	10.137	10.139	-0.002	93	3212	0.4557	
48 1,2,4,5-Tetrachlorobenzene	216	10.151	10.154	-0.003	95	7307	0.4801	
49 2,4,6-Trichlorophenol	196	10.252	10.255	-0.003	88	3387	0.3783	
50 2,4,5-Trichlorophenol	196	10.286	10.293	-0.007	94	3634	0.4029	
51 1,1'-Biphenyl	154	10.440	10.442	-0.002	91	22123	0.4966	
52 2-Chloronaphthalene	162	10.474	10.476	-0.002	94	19833	0.4898	
53 Phenyl ether	170	10.536	10.538	-0.002	92	11504	0.4782	
54 2-Nitroaniline	138	10.560	10.562	-0.002	67	4101	0.3743	
56 Dimethyl phthalate	163	10.714	10.721	-0.007	99	17807	0.4638	
57 2,6-Dinitrotoluene	165	10.786	10.793	-0.007	86	3724	0.4176	
58 Acenaphthylene	152	10.897	10.904	-0.007	97	25733	0.4686	
59 3-Nitroaniline	138	10.964	10.971	-0.007	88	3595	0.4032	
62 Acenaphthene	153	11.070	11.077	-0.007	77	17438	0.5096	
60 4-Nitrophenol	139	11.099	11.101	-0.002	43	1812	0.6451	
63 2,4-Dinitrotoluene	165	11.195	11.202	-0.007	94	4174	0.3727	
64 Dibenzofuran	168	11.243	11.245	-0.002	94	22198	0.4804	
65 2,3,4,6-Tetrachlorophenol	232	11.310	11.317	-0.007	0	1392	0.7956	
66 Diethyl phthalate	149	11.411	11.418	-0.007	98	18216	0.4441	
67 4-Chlorophenyl phenyl ether	204	11.560	11.563	-0.003	92	8275	0.4742	
68 4-Nitroaniline	138	11.580	11.587	-0.007	35	2936	0.3629	
70 Fluorene	166	11.584	11.591	-0.007	82	17539	0.4639	
69 4,6-Dinitro-2-methylphenol	198	11.613	11.615	-0.002	72	617	0.8289	
75 N-Nitrosodiphenylamine	169	11.676	11.678	-0.002	51	13934	0.5484	
71 Diphenylamine	169	11.676	11.678	-0.002	0	13934	0.4687	
73 1,2-Diphenylhydrazine	77	11.724	11.726	-0.002	1	19018	0.4694	
72 Azobenzene	77	11.724	11.726	-0.002	85	19018	0.4694	
74 Benzophenone	105	11.733	11.736	-0.003	96	14753	0.4553	
76 4-Bromophenyl phenyl ether	248	12.056	12.058	-0.002	62	3947	0.4815	
78 Hexachlorobenzene	284	12.152	12.154	-0.002	87	3850	0.4836	
77 Atrazine	200	12.176	12.183	-0.007	64	3936	0.4406	
79 Pentachlorophenol	266	12.335	12.337	-0.002	0	364	0.6810	A
80 Pentachloronitrobenzene	237	12.354	12.356	-0.002	77	1595	0.4104	
81 Phenanthrene	178	12.561	12.563	-0.002	97	24269	0.4925	
82 Anthracene	178	12.613	12.616	-0.003	97	21596	0.4544	
83 Carbazole	167	12.758	12.760	-0.002	81	17866	0.4623	
84 Di-n-butyl phthalate	149	13.041	13.044	-0.003	100	30738	0.4913	
86 Fluoranthene	202	13.758	13.760	-0.002	98	21301	0.4834	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Benzidine	184	13.849	13.852	-0.003	98	4521	0.3617	
88 Pyrene	202	13.984	13.991	-0.007	98	21846	0.5132	
90 Butyl benzyl phthalate	149	14.518	14.520	-0.002	92	8643	0.3947	
91 Bis(2-ethylhexyl) phthalate	149	15.027	15.030	-0.003	92	12041	0.4427	
92 3,3'-Dichlorobenzidine	252	15.061	15.068	-0.007	41	2302	0.3285	
93 Benzo[a]anthracene	228	15.124	15.126	-0.002	51	13386	0.4625	
94 Chrysene	228	15.162	15.164	-0.002	93	13671	0.5118	
95 Di-n-octyl phthalate	149	15.561	15.563	-0.002	100	8788	0.4527	
97 Benzo[b]fluoranthene	252	15.994	15.996	-0.002	96	5395	0.4887	
98 Benzo[k]fluoranthene	252	16.018	16.020	-0.002	62	4939	0.4937	
99 Benzo[a]pyrene	252	16.307	16.309	-0.002	81	2867	0.3634	
102 Indeno[1,2,3-cd]pyrene	276	17.663	17.665	-0.002	64	1683	0.5924	
100 Dibenz(a,h)anthracene	278	17.663	17.670	-0.007	58	1338	0.5466	
101 Benzo[g,h,i]perylene	276	18.071	18.074	-0.003	87	1569	0.4628	

QC Flag Legend

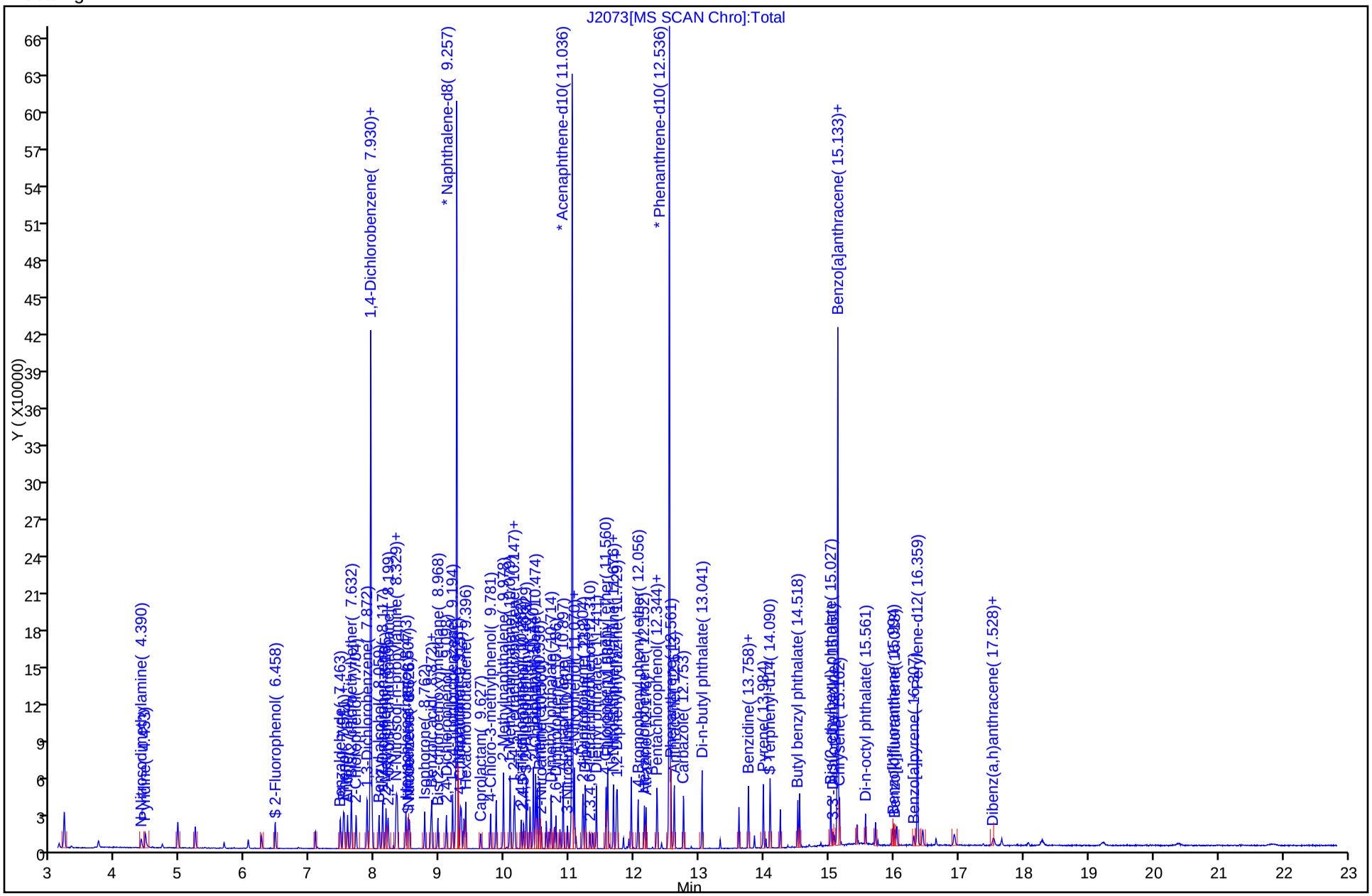
Review Flags
A - User Assigned ID

Report Date: 22-Dec-2010 14:45:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2073.D

Injection Date:	21-Dec-2010 14:44:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 22-Dec-2010 14:45:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

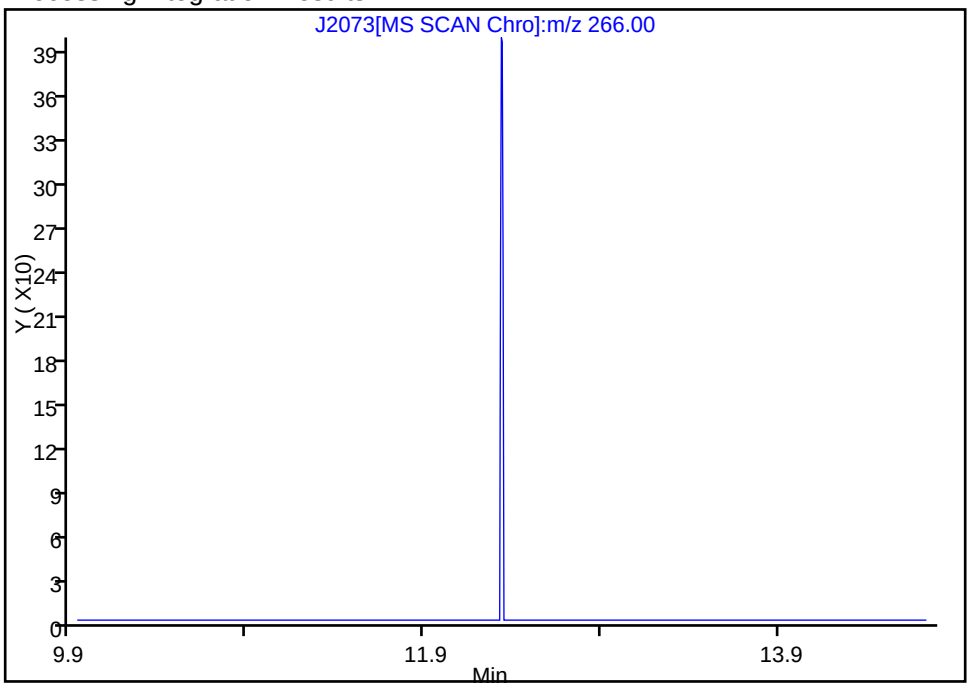
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2073.D		
Injection Date:	21-Dec-2010 14:44:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	2.00 ul

79 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 12.34

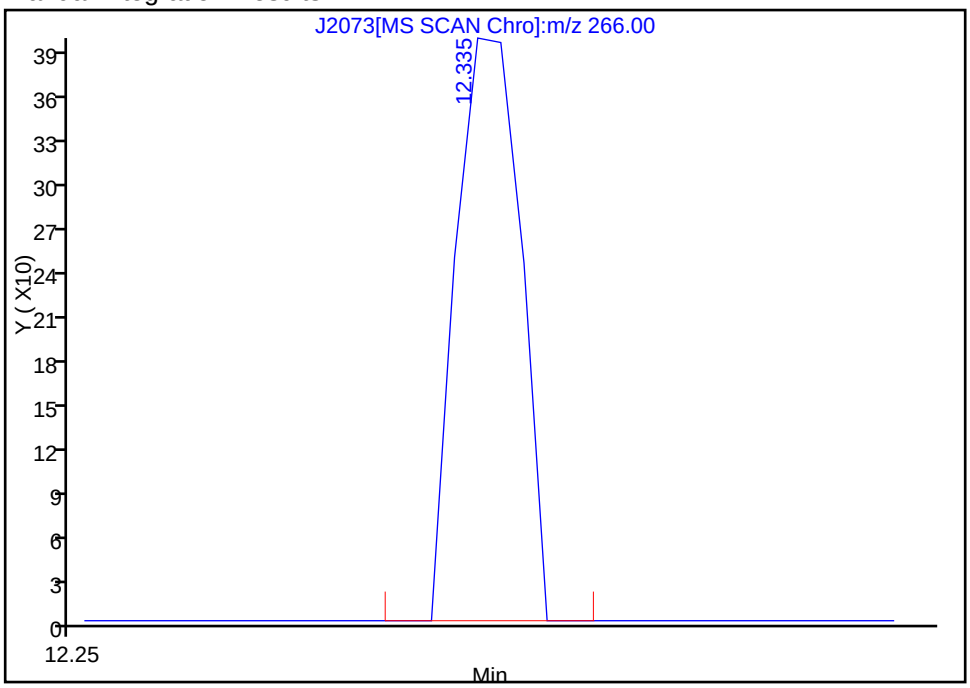
Processing Integration Results

Not Detected
Expected RT: 12.34



Manual Integration Results

RT: 12.33
Response: 364
Amount: 0.681016



Reviewer: testerc, 22-Dec-2010 09:38:21
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2074.D
Lims ID: STD1 Client ID:
Inject. Date: 21-Dec-2010 15:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD1.0
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 4
Lims Batch ID: 67510 Lims Sample ID: 4
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:45:09 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:45:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.930	7.932	-0.002	95	89172	4.00	
* 2 Naphthalene-d8	136	9.257	9.259	-0.002	99	353055	4.00	
* 3 Acenaphthene-d10	164	11.042	11.043	-0.001	92	182301	4.00	
* 4 Phenanthrene-d10	188	12.537	12.539	-0.002	95	311910	4.00	
* 5 Chrysene-d12	240	15.139	15.140	-0.001	77	228333	4.00	
* 6 Perylene-d12	264	16.365	16.362	0.003	80	93085	4.00	
$ 7 2-Fluorophenol	112	6.454	6.456	-0.002	86	17490	0.9259	
$ 8 Phenol-d5	99	7.507	7.514	-0.007	91	20558	0.9414	
$ 9 Nitrobenzene-d5	82	8.507	8.509	-0.002	88	16525	0.9251	
$ 10 2-Fluorobiphenyl	172	10.330	10.336	-0.006	99	44995	0.9599	
$ 11 2,4,6-Tribromophenol	330	11.830	11.832	-0.002	85	2500	1.33	
$ 12 Terphenyl-d14	244	14.090	14.092	-0.002	97	34188	0.8427	
13 1,4-Dioxane	88	3.723	3.715	0.008	97	6346	0.9854	
14 N-Nitrosodimethylamine	42	4.381	4.378	0.003	68	10113	0.9311	
15 Pyridine	52	4.444	4.436	0.008	79	11328	0.9007	
16 Benzaldehyde	105	7.459	7.461	-0.002	11	13320	0.9559	
17 Phenol	94	7.522	7.528	-0.006	97	19915	0.9574	
18 Aniline	93	7.574	7.576	-0.002	99	23420	0.9504	
19 Bis(2-chloroethyl)ether	93	7.632	7.634	-0.002	96	16534	0.9774	
20 2-Chlorophenol	128	7.704	7.711	-0.007	92	21383	0.9269	
21 1,3-Dichlorobenzene	146	7.873	7.874	-0.001	99	25164	0.9713	
22 1,4-Dichlorobenzene	146	7.949	7.951	-0.002	97	26155	0.9820	
23 Benzyl alcohol	79	8.060	8.062	-0.002	94	11612	0.9053	
24 1,2-Dichlorobenzene	146	8.113	8.115	-0.002	98	24359	0.9874	
25 2-Methylphenol	108	8.166	8.168	-0.002	97	15753	0.9460	
26 2,2'-oxybis[1-chloropropane]	45	8.200	8.201	-0.001	70	23523	0.99	
27 3 & 4 Methylphenol	107	8.320	8.326	-0.006	96	18203	0.9433	
28 N-Nitrosodi-n-propylamine	42	8.329	8.336	-0.007	94	8307	0.9072	
29 Acetophenone	105	8.344	8.345	-0.001	93	25378	0.9781	
30 Hexachloroethane	117	8.474	8.475	-0.001	97	9067	0.9685	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.527	8.533	-0.006	87	15219	0.9753	
32 Isophorone	82	8.762	8.764	-0.002	94	25276	0.9621	
35 2-Nitrophenol	139	8.858	8.860	-0.002	90	9685	0.8363	
33 2,4-Dimethylphenol	107	8.873	8.874	-0.001	90	17516	0.9422	
34 Benzoic acid	105	8.873	8.927	-0.054	33	484	1.17	
36 Bis(2-chloroethoxy)methane	93	8.964	8.971	-0.007	98	18662	0.9888	
37 2,4-Dichlorophenol	162	9.099	9.100	-0.001	89	14857	0.9826	
38 1,2,4-Trichlorobenzene	180	9.195	9.197	-0.002	94	19788	0.9578	
40 Naphthalene	128	9.282	9.283	-0.001	98	66290	0.9659	
41 4-Chloroaniline	127	9.315	9.317	-0.002	83	23911	0.8954	
42 Hexachlorobutadiene	225	9.397	9.399	-0.002	95	9464	0.9372	
43 Caprolactam	55	9.628	9.653	-0.025	85	5018	1.03	
44 4-Chloro-3-methylphenol	107	9.782	9.783	-0.001	92	14613	0.9011	
45 2-Methylnaphthalene	142	9.979	9.980	-0.001	90	42317	0.9801	
46 1-Methylnaphthalene	142	10.080	10.081	-0.001	91	41554	0.9640	
47 Hexachlorocyclopentadiene	237	10.137	10.139	-0.002	96	8155	0.99	
48 1,2,4,5-Tetrachlorobenzene	216	10.147	10.154	-0.007	96	16528	0.9477	
49 2,4,6-Trichlorophenol	196	10.253	10.255	-0.002	87	9212	0.8807	
50 2,4,5-Trichlorophenol	196	10.287	10.293	-0.006	92	9053	0.8593	
51 1,1'-Biphenyl	154	10.440	10.442	-0.002	90	51616	0.99	
52 2-Chloronaphthalene	162	10.474	10.476	-0.002	96	46339	0.9796	
53 Phenyl ether	170	10.537	10.538	-0.001	92	26536	0.9627	
54 2-Nitroaniline	138	10.561	10.562	-0.001	69	11106	0.8676	
56 Dimethyl phthalate	163	10.715	10.721	-0.006	99	43409	0.9679	
57 2,6-Dinitrotoluene	165	10.787	10.793	-0.006	94	9678	0.9291	
58 Acenaphthylene	152	10.897	10.904	-0.007	97	61852	0.9642	
59 3-Nitroaniline	138	10.965	10.971	-0.006	91	9977	0.9577	
62 Acenaphthene	153	11.070	11.077	-0.007	90	39414	0.9747	
61 2,4-Dinitrophenol	184	11.070	11.081	-0.011	97	1745	0.7846	M
60 4-Nitrophenol	139	11.099	11.101	-0.002	51	5524	1.09	
63 2,4-Dinitrotoluene	165	11.195	11.202	-0.007	94	11423	0.8731	
64 Dibenzofuran	168	11.239	11.245	-0.006	93	52389	0.9705	
65 2,3,4,6-Tetrachlorophenol	232	11.316	11.317	-0.001	0	4898	1.17	
66 Diethyl phthalate	149	11.412	11.418	-0.006	98	45221	0.9438	
67 4-Chlorophenyl phenyl ether	204	11.561	11.563	-0.002	92	19652	0.9639	
68 4-Nitroaniline	138	11.580	11.587	-0.007	57	8775	0.9284	
70 Fluorene	166	11.585	11.591	-0.006	82	43084	0.9755	
69 4,6-Dinitro-2-methylphenol	198	11.614	11.615	-0.001	65	3449	1.25	
75 N-Nitrosodiphenylamine	169	11.676	11.678	-0.002	51	35141	1.12	
71 Diphenylamine	169	11.676	11.678	-0.002	0	35141	0.9545	
73 1,2-Diphenylhydrazine	77	11.724	11.726	-0.002	1	48388	0.9643	
72 Azobenzene	77	11.724	11.726	-0.002	83	48388	0.9643	
74 Benzophenone	105	11.734	11.736	-0.002	95	38875	0.9687	
76 4-Bromophenyl phenyl ether	248	12.056	12.058	-0.002	62	9529	0.9387	
78 Hexachlorobenzene	284	12.152	12.154	-0.002	82	9288	0.9420	
77 Atrazine	200	12.176	12.183	-0.007	66	10047	0.9081	
79 Pentachlorophenol	266	12.335	12.337	-0.002	67	1979	0.9710	
80 Pentachloronitrobenzene	237	12.350	12.356	-0.006	57	4219	0.8766	
81 Phenanthrene	178	12.561	12.563	-0.002	98	59265	0.9712	
82 Anthracene	178	12.614	12.616	-0.002	97	57519	0.9772	
83 Carbazole	167	12.758	12.760	-0.002	82	48842	1.02	
84 Di-n-butyl phthalate	149	13.042	13.044	-0.002	100	76939	0.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.759	13.760	-0.002	98	55680	1.02	
87 Benzidine	184	13.850	13.852	-0.002	99	16367	1.06	
88 Pyrene	202	13.989	13.991	-0.002	98	56642	0.8389	
90 Butyl benzyl phthalate	149	14.518	14.520	-0.002	91	36989	1.06	
91 Bis(2-ethylhexyl) phthalate	149	15.028	15.030	-0.002	92	39412	0.9136	
92 3,3'-Dichlorobenzidine	252	15.062	15.068	-0.006	56	11196	1.01	
93 Benzo[a]anthracene	228	15.124	15.126	-0.002	100	43561	0.9489	
94 Chrysene	228	15.163	15.164	-0.001	97	41054	0.9689	
95 Di-n-octyl phthalate	149	15.562	15.563	-0.001	100	35899	0.7079	
97 Benzo[b]fluoranthene	252	15.995	15.996	-0.001	98	22733	0.8686	
98 Benzo[k]fluoranthene	252	16.019	16.020	-0.001	82	22079	0.9311	
99 Benzo[a]pyrene	252	16.307	16.309	-0.002	78	15846	0.8473	
102 Indeno[1,2,3-cd]pyrene	276	17.663	17.665	-0.002	90	12320	1.15	
100 Dibenz(a,h)anthracene	278	17.663	17.670	-0.007	66	9965	1.11	
101 Benzo[g,h,i]perylene	276	18.072	18.074	-0.002	89	10688	1.05	

QC Flag Legend

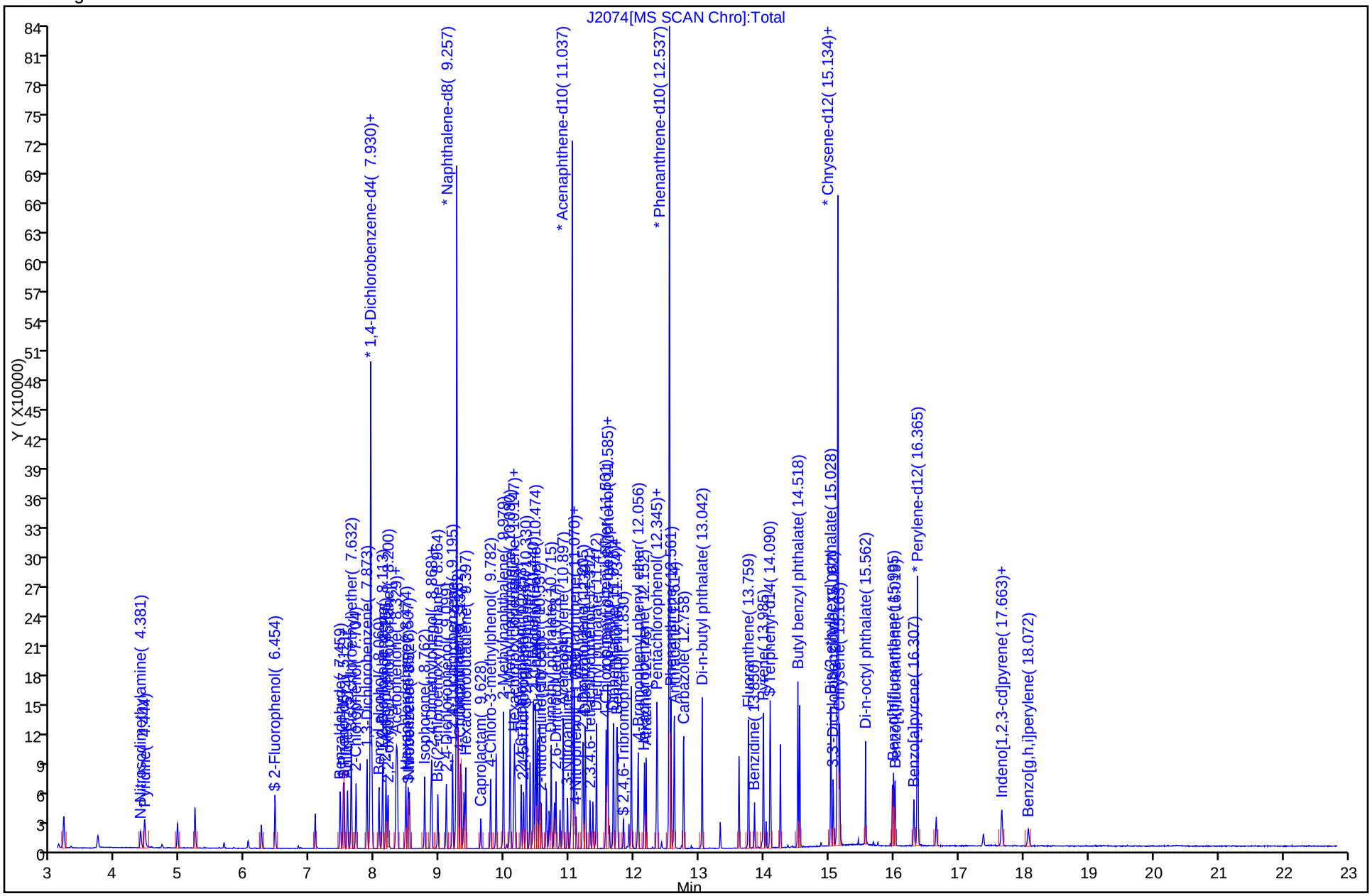
Review Flags
M - Manually Integrated

Report Date: 22-Dec-2010 14:45:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2074.D

Injection Date:	21-Dec-2010 15:17:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



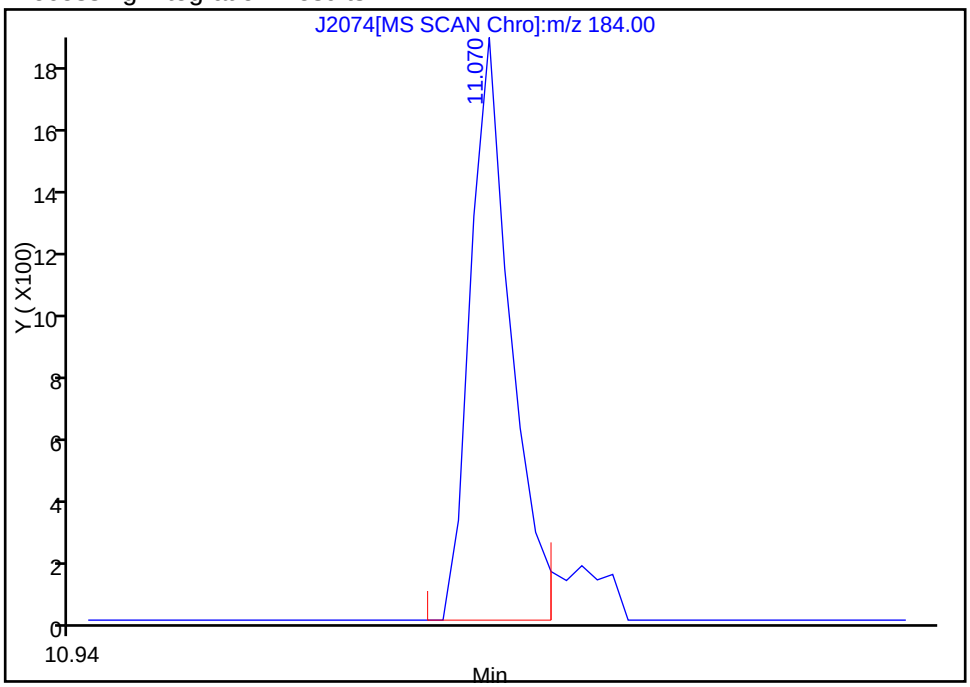
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2074.D		
Injection Date:	21-Dec-2010 15:17:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.08

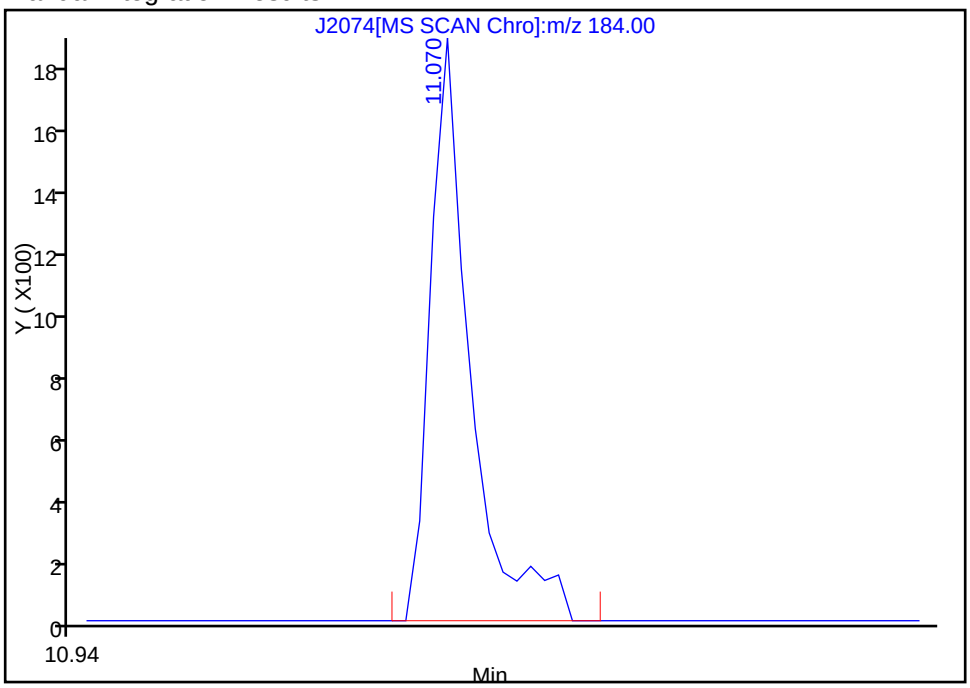
Processing Integration Results

RT: 11.07
Response: 1583
Amount: 0.489800



Manual Integration Results

RT: 11.07
Response: 1745
Amount: 0.784620



Reviewer: testerc, 22-Dec-2010 11:27:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2075.D
Lims ID: STD25 Client ID:
Inject. Date: 21-Dec-2010 15:50:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD2.5
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 5
Lims Batch ID: 67510 Lims Sample ID: 5
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:45:18 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:45:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.930	7.932	-0.002	94	75420	4.00	
* 2 Naphthalene-d8	136	9.257	9.259	-0.002	99	294417	4.00	
* 3 Acenaphthene-d10	164	11.041	11.043	-0.002	92	153311	4.00	
* 4 Phenanthrene-d10	188	12.537	12.539	-0.002	95	248876	4.00	
* 5 Chrysene-d12	240	15.134	15.140	-0.006	77	144695	4.00	
* 6 Perylene-d12	264	16.360	16.362	-0.002	94	47241	4.00	
$ 7 2-Fluorophenol	112	6.454	6.456	-0.002	86	40375	2.54	
$ 8 Phenol-d5	99	7.507	7.514	-0.007	91	45363	2.46	
$ 9 Nitrobenzene-d5	82	8.507	8.509	-0.002	89	36588	2.46	
$ 10 2-Fluorobiphenyl	172	10.334	10.336	-0.002	100	100031	2.54	
$ 11 2,4,6-Tribromophenol	330	11.830	11.832	-0.002	82	5871	2.45	
$ 12 Terphenyl-d14	244	14.090	14.092	-0.002	97	64981	2.53	
13 1,4-Dioxane	88	3.698	3.715	-0.017	94	13679	2.51	
14 N-Nitrosodimethylamine	42	4.362	4.378	-0.016	68	22283	2.43	
15 Pyridine	52	4.420	4.436	-0.016	77	26905	2.53	
16 Benzaldehyde	105	7.459	7.461	-0.002	15	29131	2.47	
17 Phenol	94	7.521	7.528	-0.007	98	43558	2.48	
18 Aniline	93	7.574	7.576	-0.002	99	51505	2.47	
19 Bis(2-chloroethyl)ether	93	7.627	7.634	-0.007	97	35786	2.50	
20 2-Chlorophenol	128	7.704	7.711	-0.007	92	47897	2.45	
21 1,3-Dichlorobenzene	146	7.872	7.874	-0.002	99	54764	2.50	
22 1,4-Dichlorobenzene	146	7.949	7.951	-0.002	95	56103	2.49	
23 Benzyl alcohol	79	8.060	8.062	-0.002	94	25725	2.37	
24 1,2-Dichlorobenzene	146	8.113	8.115	-0.002	98	51979	2.49	
25 2-Methylphenol	108	8.166	8.168	-0.002	95	34974	2.48	
26 2,2'-oxybis[1-chloropropane]	45	8.199	8.201	-0.002	72	50429	2.52	
27 3 & 4 Methylphenol	107	8.320	8.326	-0.006	96	40312	2.47	
28 N-Nitrosodi-n-propylamine	42	8.329	8.336	-0.007	92	18668	2.41	
29 Acetophenone	105	8.344	8.345	-0.001	94	54122	2.47	
30 Hexachloroethane	117	8.473	8.475	-0.002	97	19187	2.42	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.526	8.533	-0.007	88	33787	2.47	
32 Isophorone	82	8.762	8.764	-0.002	94	58658	2.43	
35 2-Nitrophenol	139	8.858	8.860	-0.002	90	22774	2.36	
33 2,4-Dimethylphenol	107	8.873	8.874	-0.001	89	38997	2.52	
34 Benzoic acid	105	8.873	8.927	-0.054	15	1439	2.05	M
36 Bis(2-chloroethoxy)methane	93	8.969	8.971	-0.002	98	40465	2.48	
37 2,4-Dichlorophenol	162	9.099	9.100	-0.001	89	33531	2.42	
38 1,2,4-Trichlorobenzene	180	9.195	9.197	-0.002	96	42770	2.48	
40 Naphthalene	128	9.281	9.283	-0.002	98	143293	2.50	
41 4-Chloroaniline	127	9.315	9.317	-0.002	83	53773	2.41	
42 Hexachlorobutadiene	225	9.397	9.399	-0.002	94	20626	2.45	
43 Caprolactam	55	9.637	9.653	-0.016	83	11652	2.32	
44 4-Chloro-3-methylphenol	107	9.781	9.783	-0.002	93	32280	2.39	
45 2-Methylnaphthalene	142	9.979	9.980	-0.001	89	89763	2.49	
46 1-Methylnaphthalene	142	10.084	10.081	0.003	92	90037	2.50	
47 Hexachlorocyclopentadiene	237	10.137	10.139	-0.002	97	15994	2.31	
48 1,2,4,5-Tetrachlorobenzene	216	10.152	10.154	-0.002	97	35549	2.44	
49 2,4,6-Trichlorophenol	196	10.253	10.255	-0.002	89	20649	2.35	
50 2,4,5-Trichlorophenol	196	10.291	10.293	-0.002	94	20725	2.34	
51 1,1'-Biphenyl	154	10.440	10.442	-0.002	91	110608	2.53	
52 2-Chloronaphthalene	162	10.474	10.476	-0.002	97	97636	2.45	
53 Phenyl ether	170	10.541	10.538	0.003	91	57396	2.50	
54 2-Nitroaniline	138	10.561	10.562	-0.002	81	25424	2.36	
56 Dimethyl phthalate	163	10.714	10.721	-0.007	100	94840	2.51	
57 2,6-Dinitrotoluene	165	10.791	10.793	-0.002	93	21778	2.49	
58 Acenaphthylene	152	10.902	10.904	-0.002	97	135715	2.52	
59 3-Nitroaniline	138	10.969	10.971	-0.002	88	20984	2.40	
62 Acenaphthene	153	11.075	11.077	-0.002	91	85911	2.51	
61 2,4-Dinitrophenol	184	11.070	11.081	-0.011	96	3864	1.89	M
60 4-Nitrophenol	139	11.099	11.101	-0.002	52	11685	2.17	
63 2,4-Dinitrotoluene	165	11.200	11.202	-0.002	94	26502	2.41	
64 Dibenzofuran	168	11.243	11.245	-0.002	93	113128	2.49	
65 2,3,4,6-Tetrachlorophenol	232	11.315	11.317	-0.002	0	12413	2.29	
66 Diethyl phthalate	149	11.412	11.418	-0.006	98	98600	2.45	
67 4-Chlorophenyl phenyl ether	204	11.561	11.563	-0.002	92	41485	2.42	
68 4-Nitroaniline	138	11.580	11.587	-0.007	62	18285	2.30	
70 Fluorene	166	11.590	11.591	-0.001	83	91043	2.45	
69 4,6-Dinitro-2-methylphenol	198	11.614	11.615	-0.001	64	7191	2.12	
75 N-Nitrosodiphenylamine	169	11.676	11.678	-0.002	51	75167	2.99	
71 Diphenylamine	169	11.676	11.678	-0.002	0	75167	2.56	
73 1,2-Diphenylhydrazine	77	11.724	11.726	-0.002	1	104580	2.61	
72 Azobenzene	77	11.724	11.726	-0.002	86	104580	2.61	
74 Benzophenone	105	11.734	11.736	-0.002	95	82609	2.58	
76 4-Bromophenyl phenyl ether	248	12.056	12.058	-0.002	62	20131	2.49	
78 Hexachlorobenzene	284	12.152	12.154	-0.002	88	20100	2.55	
77 Atrazine	200	12.181	12.183	-0.002	63	22370	2.53	
79 Pentachlorophenol	266	12.335	12.337	-0.002	71	5483	1.90	
80 Pentachloronitrobenzene	237	12.354	12.356	-0.002	76	9615	2.50	
81 Phenanthrene	178	12.561	12.563	-0.002	98	120668	2.48	
82 Anthracene	178	12.614	12.616	-0.002	97	118313	2.52	
83 Carbazole	167	12.758	12.760	-0.002	82	94893	2.48	
84 Di-n-butyl phthalate	149	13.042	13.044	-0.002	100	154417	2.50	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.758	13.760	-0.002	97	109123	2.51	
87 Benzidine	184	13.850	13.852	-0.002	98	26175	2.12	
88 Pyrene	202	13.984	13.991	-0.007	98	109327	2.56	
90 Butyl benzyl phthalate	149	14.518	14.520	-0.002	92	53538	2.43	
91 Bis(2-ethylhexyl) phthalate	149	15.028	15.030	-0.002	92	69007	2.52	
92 3,3'-Dichlorobenzidine	252	15.062	15.068	-0.006	55	18015	2.56	
93 Benzo[a]anthracene	228	15.124	15.126	-0.002	99	72587	2.50	
94 Chrysene	228	15.163	15.164	-0.001	97	66132	2.46	
95 Di-n-octyl phthalate	149	15.562	15.563	-0.001	99	68622	2.39	
97 Benzo[b]fluoranthene	252	15.994	15.996	-0.002	98	34175	2.57	
98 Benzo[k]fluoranthene	252	16.014	16.020	-0.006	89	30219	2.51	
99 Benzo[a]pyrene	252	16.307	16.309	-0.002	76	22313	2.35	
102 Indeno[1,2,3-cd]pyrene	276	17.663	17.665	-0.002	92	16616	2.51	
100 Dibenz(a,h)anthracene	278	17.663	17.670	-0.007	71	13727	2.54	
101 Benzo[g,h,i]perylene	276	18.067	18.074	-0.007	92	14385	2.55	

QC Flag Legend

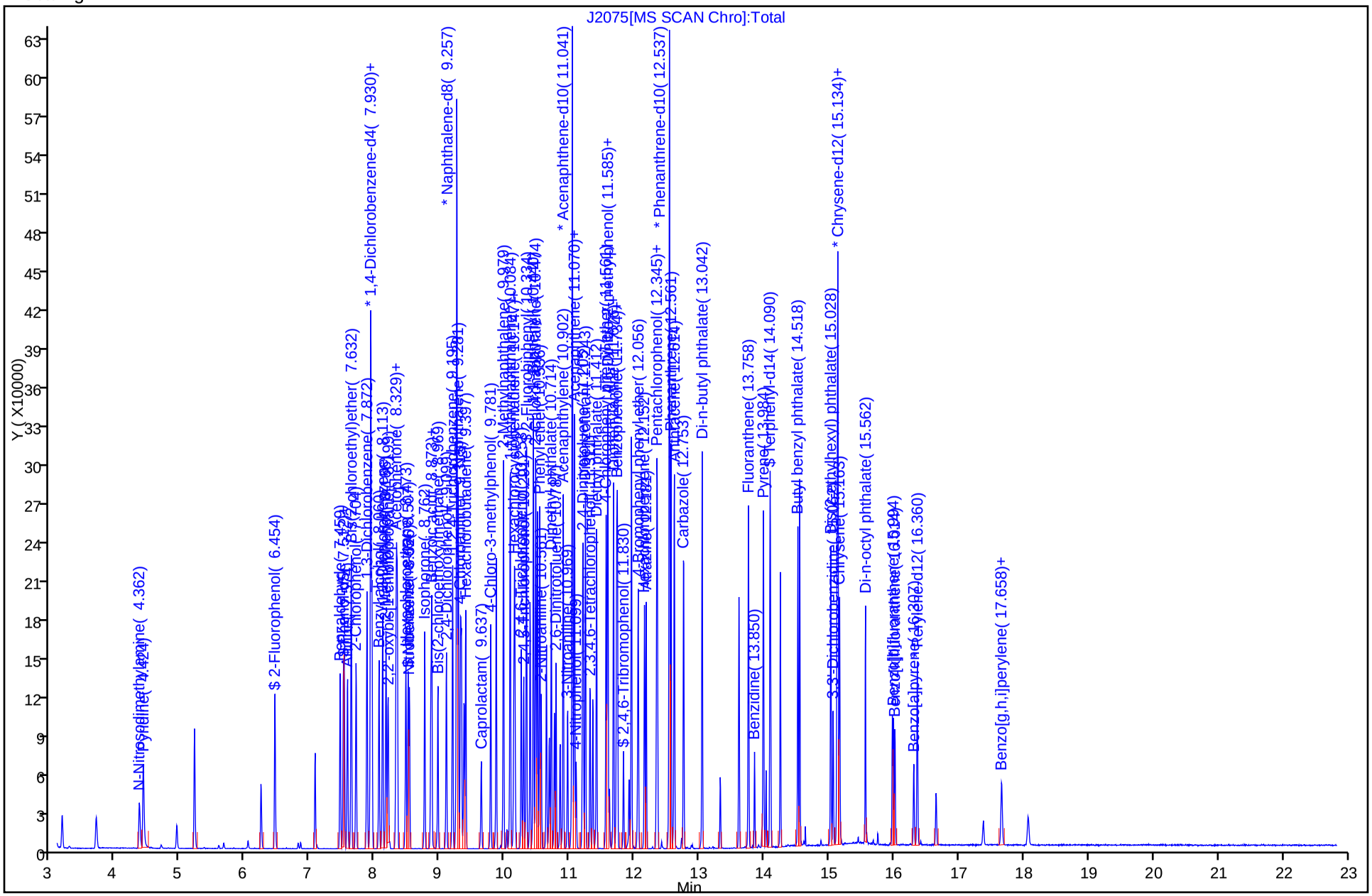
Review Flags
M - Manually Integrated

Report Date: 22-Dec-2010 14:45:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2075.D

Injection Date:	21-Dec-2010 15:50:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



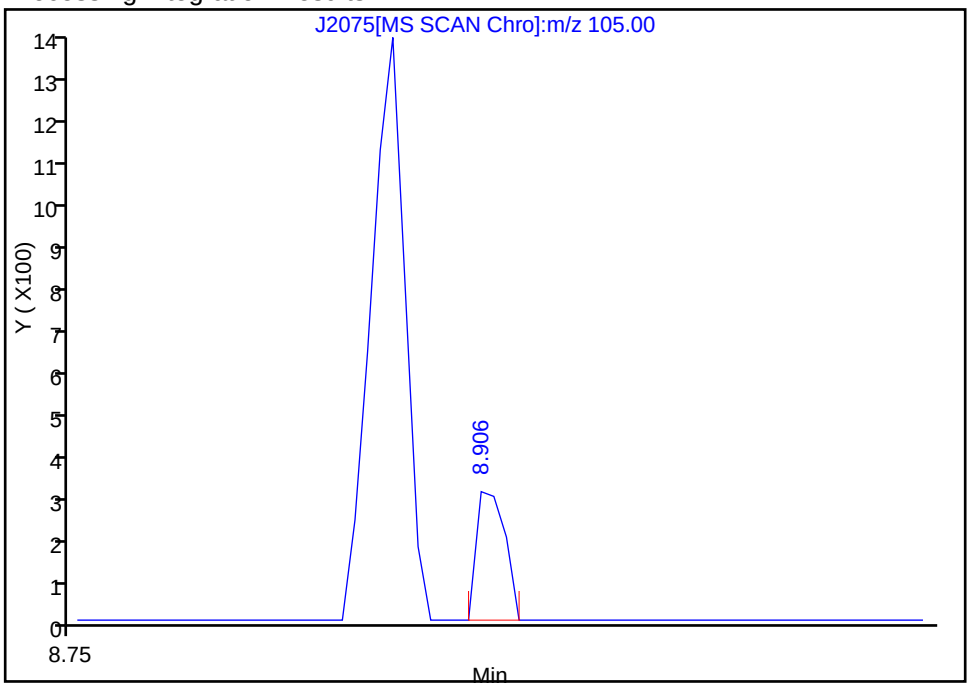
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2075.D		
Injection Date:	21-Dec-2010 15:50:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.93

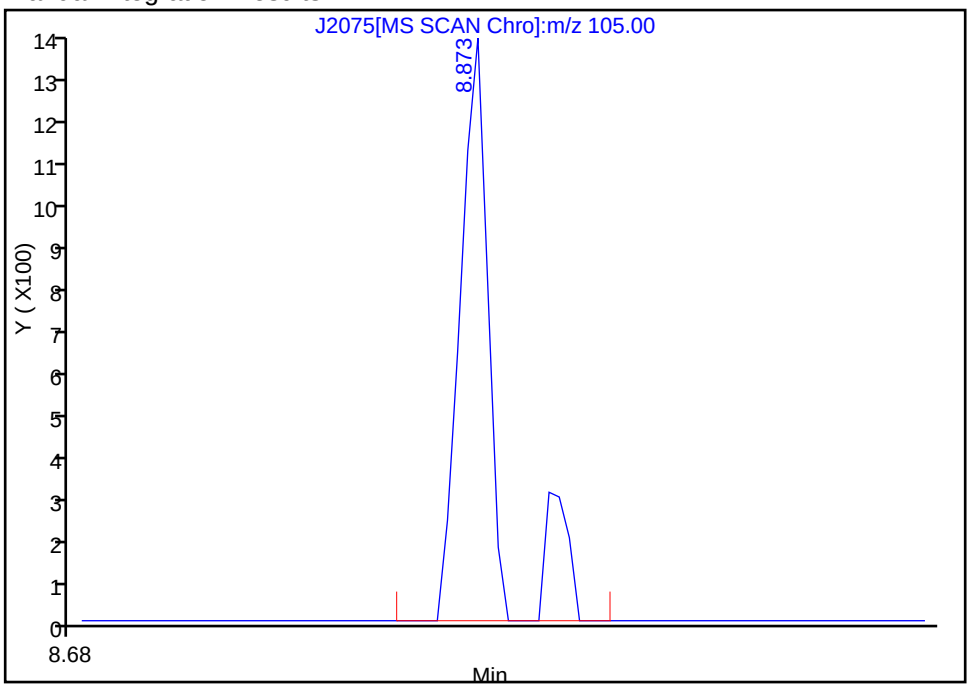
Processing Integration Results

RT: 8.91
Response: 224
Amount: 0.051922



Manual Integration Results

RT: 8.87
Response: 1439
Amount: 2.045482



Reviewer: testerc, 22-Dec-2010 09:25:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 22-Dec-2010 14:45:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

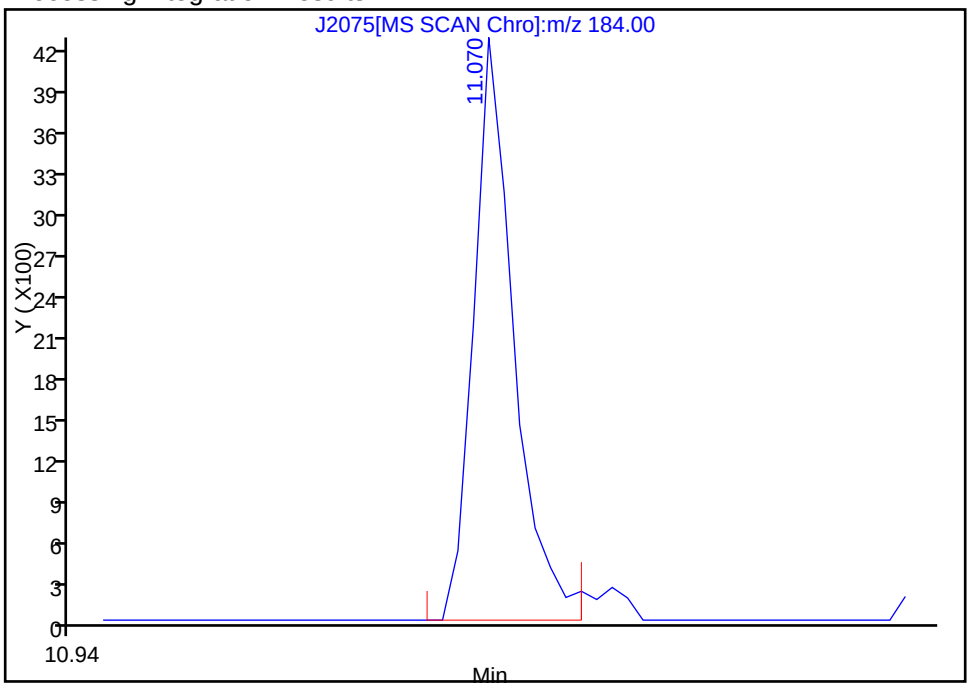
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2075.D		
Injection Date:	21-Dec-2010 15:50:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.08

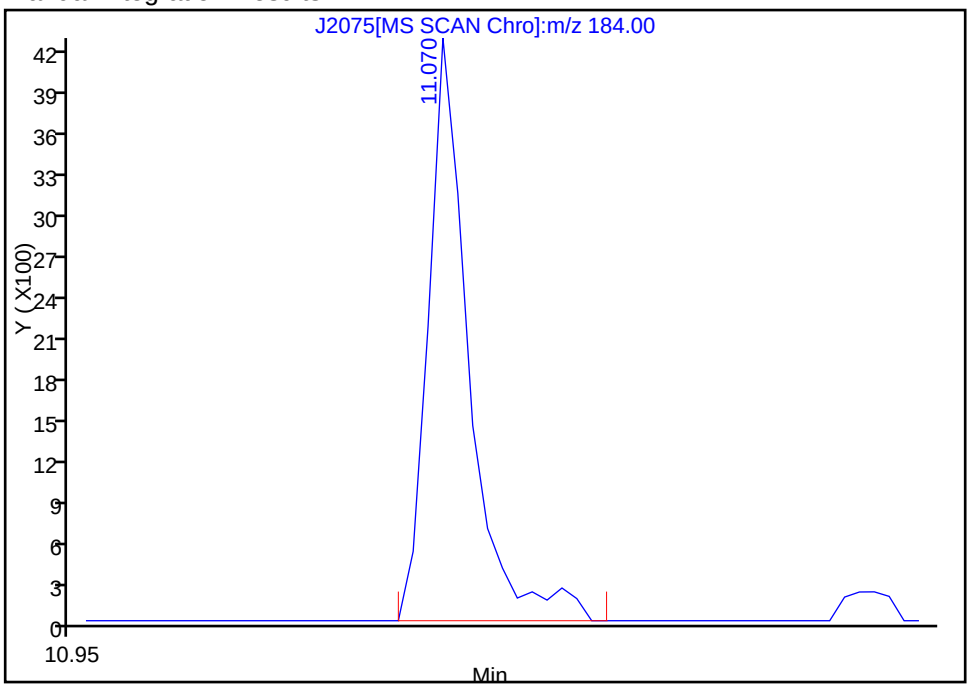
Processing Integration Results

RT: 11.07
Response: 3707
Amount: 1.354183



Manual Integration Results

RT: 11.07
Response: 3864
Amount: 1.887387



Reviewer: testerc, 22-Dec-2010 11:27:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D
Lims ID: STD5 Client ID:
Inject. Date: 21-Dec-2010 16:22:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: STD5.0
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 6
Lims Batch ID: 67510 Lims Sample ID: 6
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:45:28 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:45:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.932	7.932	0.0	94	88654	4.00	
* 2 Naphthalene-d8	136	9.259	9.259	0.0	99	346604	4.00	
* 3 Acenaphthene-d10	164	11.043	11.043	0.0	92	180093	4.00	
* 4 Phenanthrene-d10	188	12.539	12.539	0.0	95	304884	4.00	
* 5 Chrysene-d12	240	15.140	15.140	0.0	78	180147	4.00	
* 6 Perylene-d12	264	16.362	16.362	0.0	79	62765	4.00	
$ 7 2-Fluorophenol	112	6.456	6.456	0.0	87	95422	5.11	
$ 8 Phenol-d5	99	7.514	7.514	0.0	91	109023	5.02	
$ 9 Nitrobenzene-d5	82	8.509	8.509	0.0	88	89293	5.09	
$ 10 2-Fluorobiphenyl	172	10.336	10.336	0.0	100	233644	5.05	
$ 11 2,4,6-Tribromophenol	330	11.832	11.832	0.0	82	16226	4.57	
$ 12 Terphenyl-d14	244	14.092	14.092	0.0	97	158511	4.95	
13 1,4-Dioxane	88	3.715	3.715	0.0	97	31862	4.98	
14 N-Nitrosodimethylamine	42	4.378	4.378	0.0	71	54124	5.01	
15 Pyridine	52	4.436	4.436	0.0	81	63165	5.05	
16 Benzaldehyde	105	7.461	7.461	0.0	18	71956	5.19	
17 Phenol	94	7.528	7.528	0.0	98	103199	4.99	
18 Aniline	93	7.576	7.576	0.0	96	122790	5.01	
19 Bis(2-chloroethyl)ether	93	7.634	7.634	0.0	97	83786	4.98	
20 2-Chlorophenol	128	7.711	7.711	0.0	91	115330	5.03	
21 1,3-Dichlorobenzene	146	7.874	7.874	0.0	99	128118	4.97	A
22 1,4-Dichlorobenzene	146	7.951	7.951	0.0	0	130079	4.91	A
23 Benzyl alcohol	79	8.062	8.062	0.0	95	64477	5.06	
24 1,2-Dichlorobenzene	146	8.115	8.115	0.0	0	120110	4.90	A
25 2-Methylphenol	108	8.168	8.168	0.0	96	82517	4.98	
26 2,2'-oxybis[1-chloropropane]	45	8.201	8.201	0.0	87	115936	4.92	
27 3 & 4 Methylphenol	107	8.326	8.326	0.0	95	96500	5.03	
28 N-Nitrosodi-n-propylamine	42	8.336	8.336	0.0	94	45338	4.98	
29 Acetophenone	105	8.345	8.345	0.0	93	128238	4.97	
30 Hexachloroethane	117	8.475	8.475	0.0	98	46604	5.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.533	8.533	0.0	86	80187	4.91	
32 Isophorone	82	8.764	8.764	0.0	95	144563	4.92	
35 2-Nitrophenol	139	8.860	8.860	0.0	89	60146	5.29	
33 2,4-Dimethylphenol	107	8.874	8.874	0.0	90	92524	5.07	
34 Benzoic acid	105	8.927	8.927	0.0	79	13258	5.02	M
36 Bis(2-chloroethoxy)methane	93	8.971	8.971	0.0	98	94945	4.89	
37 2,4-Dichlorophenol	162	9.100	9.100	0.0	90	80610	4.80	
38 1,2,4-Trichlorobenzene	180	9.197	9.197	0.0	95	100719	4.97	
40 Naphthalene	128	9.283	9.283	0.0	98	337016	5.00	
41 4-Chloroaniline	127	9.317	9.317	0.0	82	130137	4.96	
42 Hexachlorobutadiene	225	9.399	9.399	0.0	97	49481	4.99	
43 Caprolactam	55	9.653	9.653	0.0	80	31006	4.85	
44 4-Chloro-3-methylphenol	107	9.783	9.783	0.0	93	80644	5.07	
45 2-Methylnaphthalene	142	9.980	9.980	0.0	89	207632	4.90	
46 1-Methylnaphthalene	142	10.081	10.081	0.0	92	209646	4.95	
47 Hexachlorocyclopentadiene	237	10.139	10.139	0.0	88	41447	5.09	
48 1,2,4,5-Tetrachlorobenzene	216	10.154	10.154	0.0	97	84597	4.94	
49 2,4,6-Trichlorophenol	196	10.255	10.255	0.0	89	52703	5.10	
50 2,4,5-Trichlorophenol	196	10.293	10.293	0.0	94	52113	5.01	
51 1,1'-Biphenyl	154	10.442	10.442	0.0	90	256093	4.98	
52 2-Chloronaphthalene	162	10.476	10.476	0.0	98	226100	4.84	
53 Phenyl ether	170	10.538	10.538	0.0	95	132301	4.89	
54 2-Nitroaniline	138	10.562	10.562	0.0	0	65868	5.21	A
56 Dimethyl phthalate	163	10.721	10.721	0.0	99	224165	5.06	
57 2,6-Dinitrotoluene	165	10.793	10.793	0.0	0	52414	5.09	A
58 Acenaphthylene	152	10.904	10.904	0.0	97	322259	5.09	
59 3-Nitroaniline	138	10.971	10.971	0.0	88	51597	5.01	
62 Acenaphthene	153	11.077	11.077	0.0	91	200460	4.97	
61 2,4-Dinitrophenol	184	11.072	11.072	0.0	98	15330	5.09	M
60 4-Nitrophenol	139	11.101	11.101	0.0	51	33103	4.70	
63 2,4-Dinitrotoluene	165	11.202	11.202	0.0	94	66749	5.16	
64 Dibenzofuran	168	11.245	11.245	0.0	93	266134	4.99	
65 2,3,4,6-Tetrachlorophenol	232	11.317	11.317	0.0	0	34509	4.59	
66 Diethyl phthalate	149	11.418	11.418	0.0	98	241145	5.09	
67 4-Chlorophenyl phenyl ether	204	11.563	11.563	0.0	92	100178	4.97	
68 4-Nitroaniline	138	11.587	11.587	0.0	0	45758	4.90	A
70 Fluorene	166	11.591	11.591	0.0	82	218891	5.02	
69 4,6-Dinitro-2-methylphenol	198	11.615	11.615	0.0	54	23815	4.53	
75 N-Nitrosodiphenylamine	169	11.678	11.678	0.0	52	182083	5.92	
71 Diphenylamine	169	11.678	11.678	0.0	0	182083	5.06	
73 1,2-Diphenylhydrazine	77	11.726	11.726	0.0	0	250189	5.10	A
72 Azobenzene	77	11.726	11.726	0.0	88	250189	5.10	
74 Benzophenone	105	11.736	11.736	0.0	93	201807	5.14	
76 4-Bromophenyl phenyl ether	248	12.058	12.058	0.0	62	49614	5.00	
78 Hexachlorobenzene	284	12.154	12.154	0.0	87	46774	4.85	
77 Atrazine	200	12.183	12.183	0.0	64	55258	5.11	
79 Pentachlorophenol	266	12.337	12.337	0.0	82	19327	4.35	
80 Pentachloronitrobenzene	237	12.356	12.356	0.0	76	24048	5.11	
81 Phenanthrene	178	12.563	12.563	0.0	98	291885	4.89	
82 Anthracene	178	12.616	12.616	0.0	97	292640	5.09	
83 Carbazole	167	12.760	12.760	0.0	82	235416	5.03	
84 Di-n-butyl phthalate	149	13.044	13.044	0.0	100	386735	5.11	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.760	13.760	0.0	0	269557	5.05	A
87 Benzidine	184	13.852	13.852	0.0	98	74209	4.90	
88 Pyrene	202	13.991	13.991	0.0	0	265046	4.98	A
90 Butyl benzyl phthalate	149	14.520	14.520	0.0	91	140302	5.12	
91 Bis(2-ethylhexyl) phthalate	149	15.030	15.030	0.0	92	180983	5.32	
92 3,3'-Dichlorobenzidine	252	15.068	15.068	0.0	60	47397	5.40	
93 Benzo[a]anthracene	228	15.126	15.126	0.0	100	180746	4.99	
94 Chrysene	228	15.164	15.164	0.0	98	166204	4.97	
95 Di-n-octyl phthalate	149	15.563	15.563	0.0	99	188374	4.83	
97 Benzo[b]fluoranthene	252	15.996	15.996	0.0	98	86457	4.90	
98 Benzo[k]fluoranthene	252	16.020	16.020	0.0	92	84540	5.29	
99 Benzo[a]pyrene	252	16.309	16.309	0.0	76	65655	5.21	
102 Indeno[1,2,3-cd]pyrene	276	17.665	17.665	0.0	89	48468	5.12	
100 Dibenz(a,h)anthracene	278	17.670	17.670	0.0	74	39737	5.20	
101 Benzo[g,h,i]perylene	276	18.074	18.074	0.0	92	40243	5.21	

QC Flag Legend

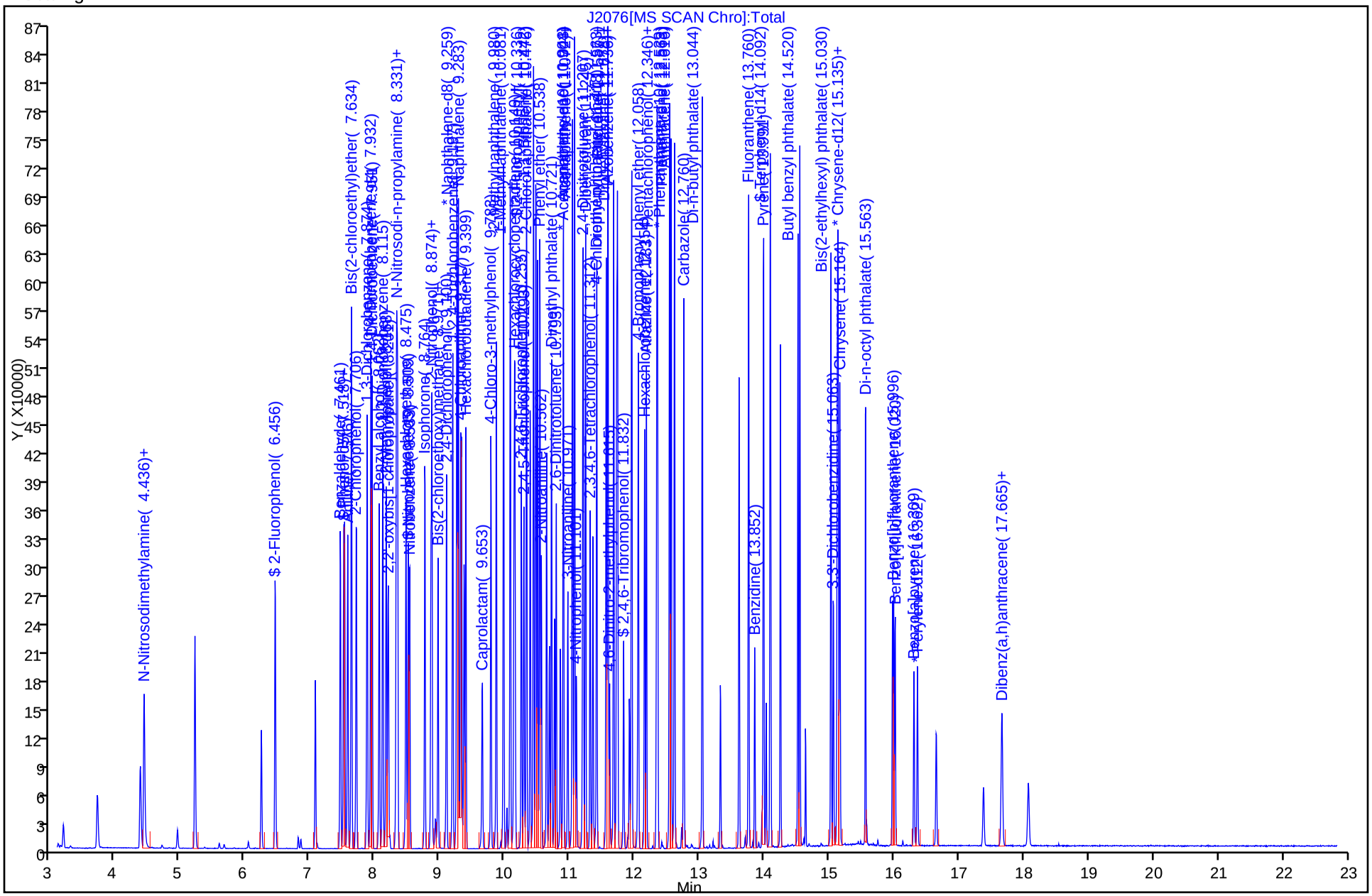
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 22-Dec-2010 14:45:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D

Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



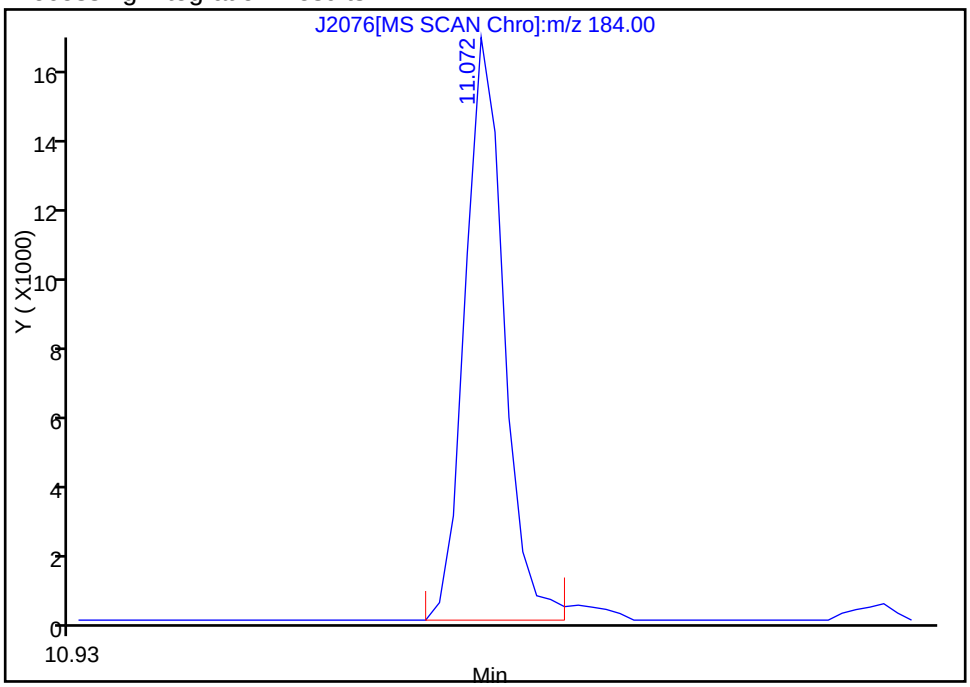
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.07

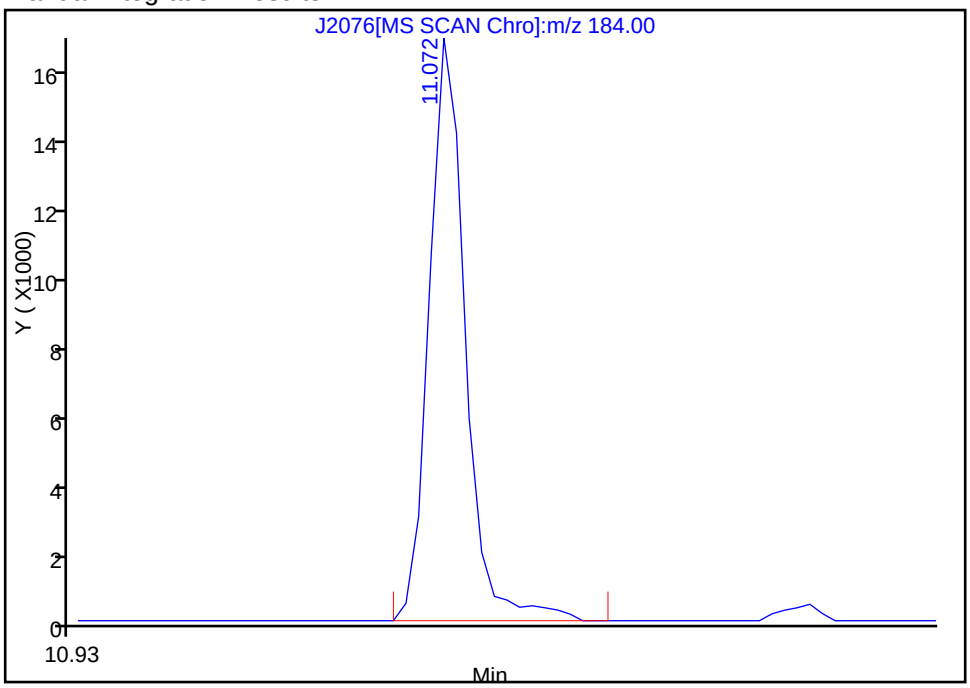
Processing Integration Results

RT: 11.07
Response: 14970
Amount: 4.640150



Manual Integration Results

RT: 11.07
Response: 15330
Amount: 5.094176



Reviewer: testerc, 22-Dec-2010 11:28:00
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 22-Dec-2010 14:45:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

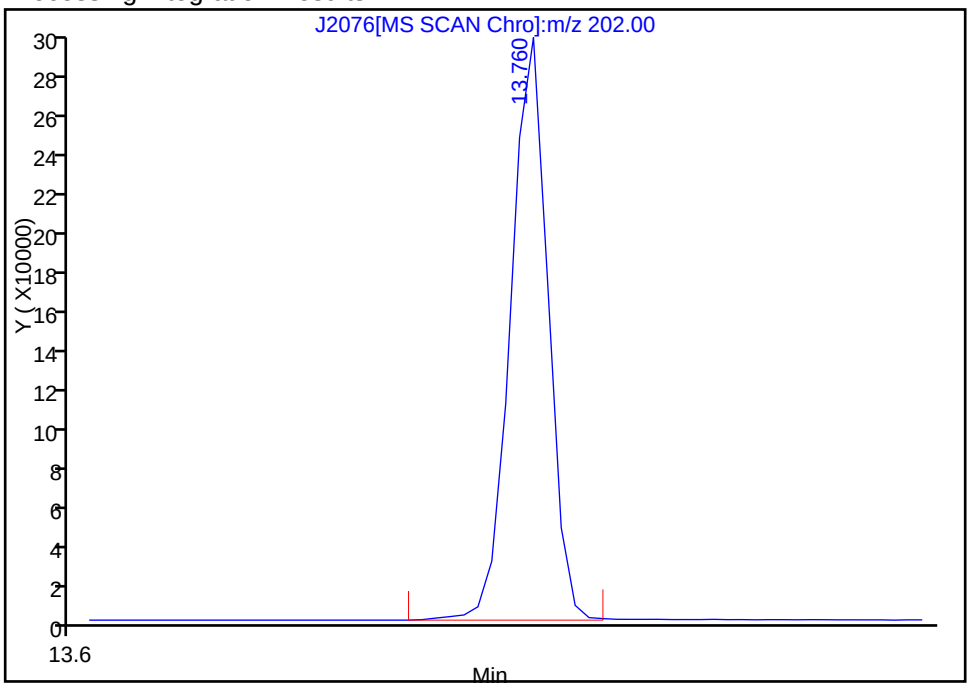
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

88 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 13.99

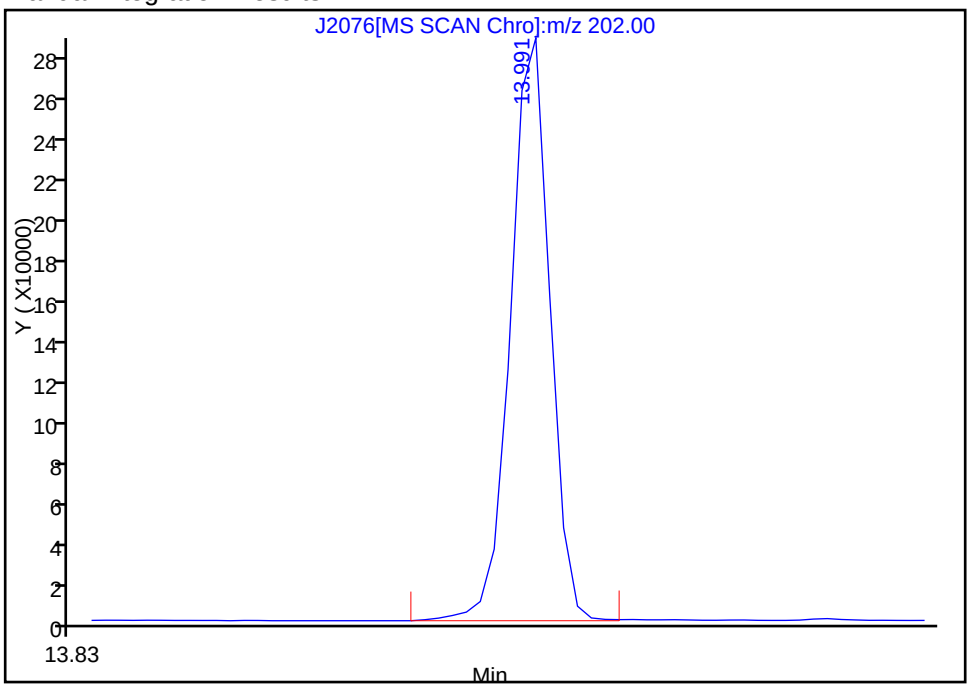
Processing Integration Results

RT: 13.76
Response: 269557
Amount: 5.091026



Manual Integration Results

RT: 13.99
Response: 265046
Amount: 4.975262



Reviewer: testerc, 22-Dec-2010 09:04:01
Audit Action: Assigned Compound ID
Audit Reason:

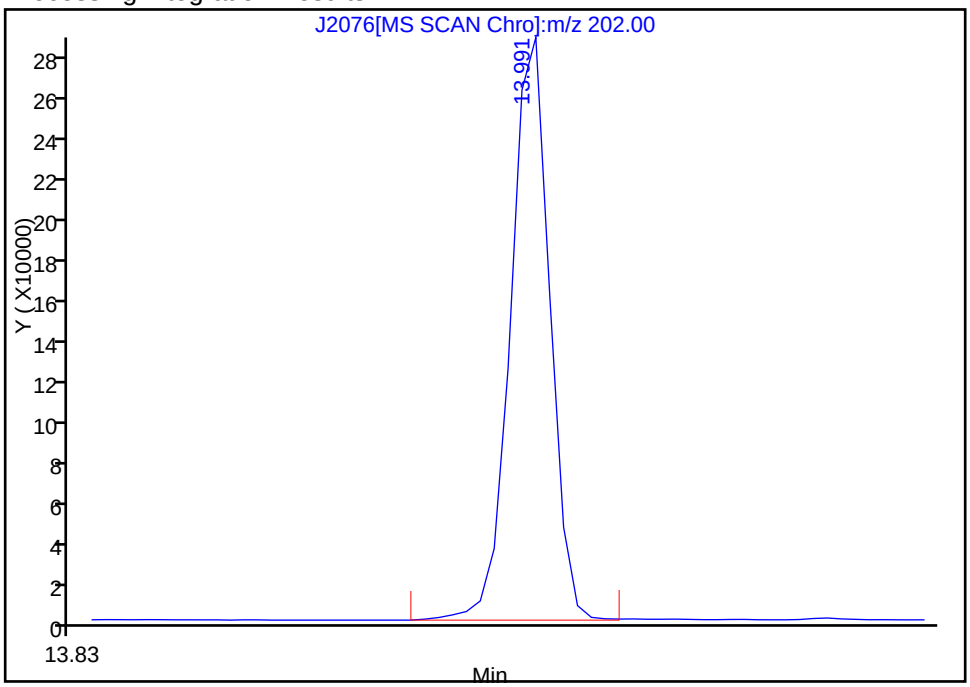
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

86 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 13.76

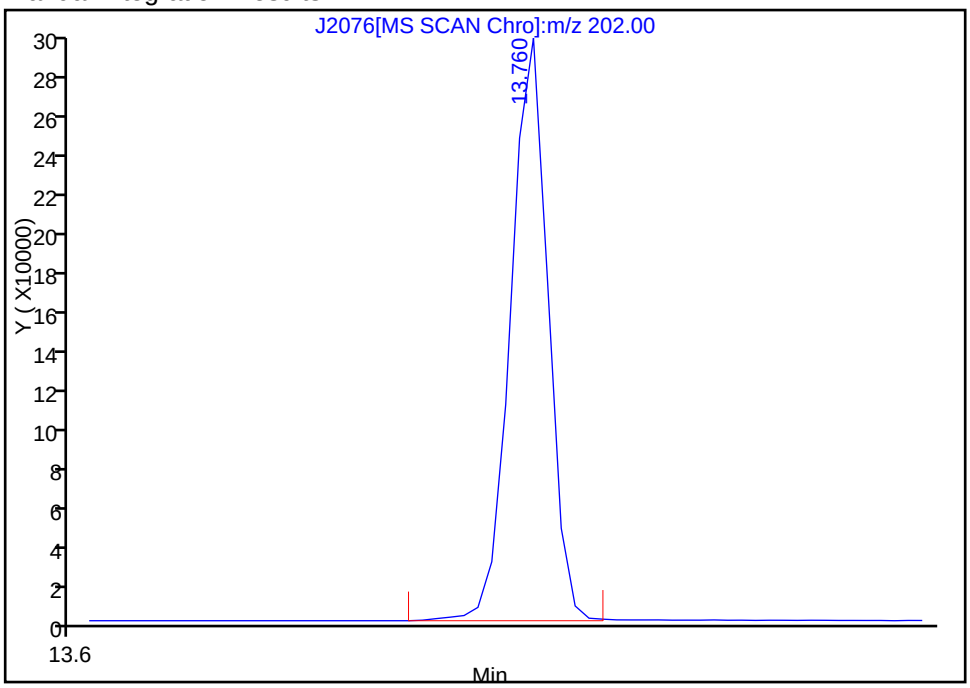
Processing Integration Results

RT: 13.99
Response: 265046
Amount: 3.926303



Manual Integration Results

RT: 13.76
Response: 269557
Amount: 5.053429



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

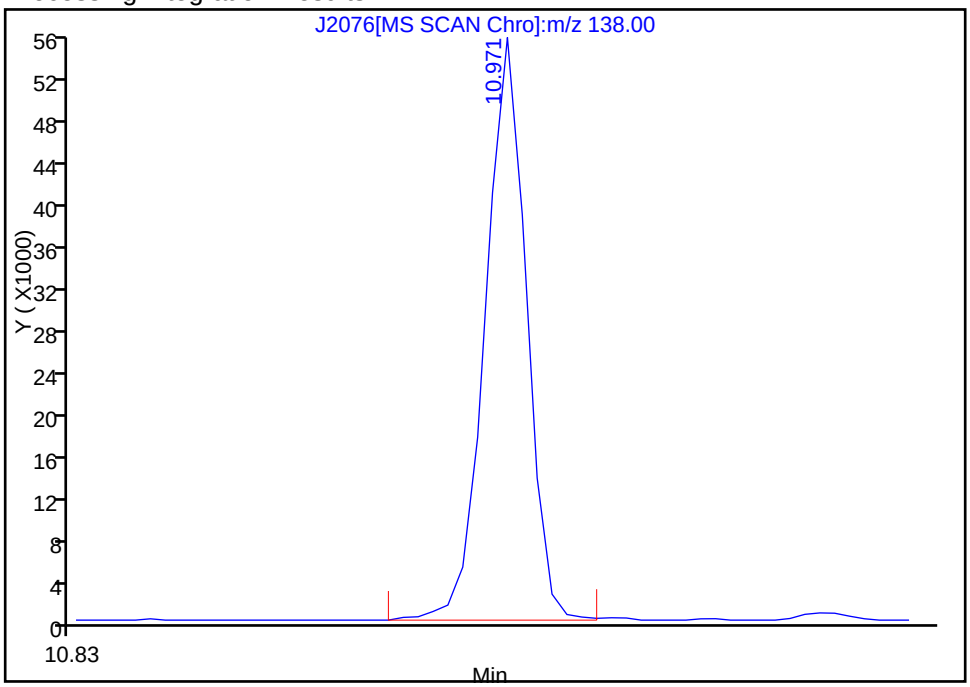
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

54 2-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 10.56

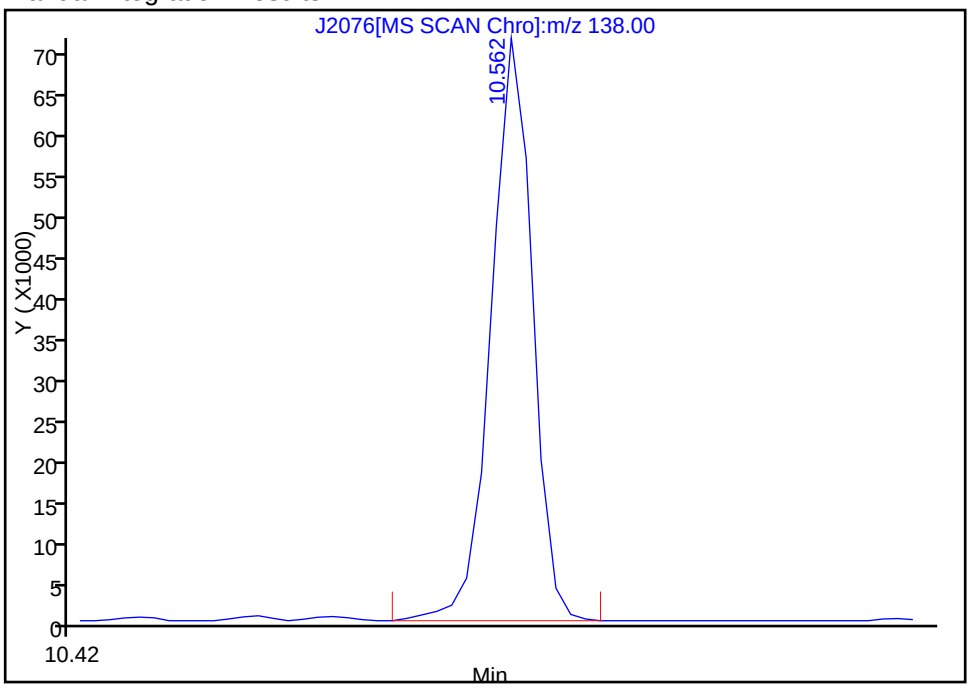
Processing Integration Results

RT: 10.97
Response: 51597
Amount: 3.353534



Manual Integration Results

RT: 10.56
Response: 65868
Amount: 5.208502



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

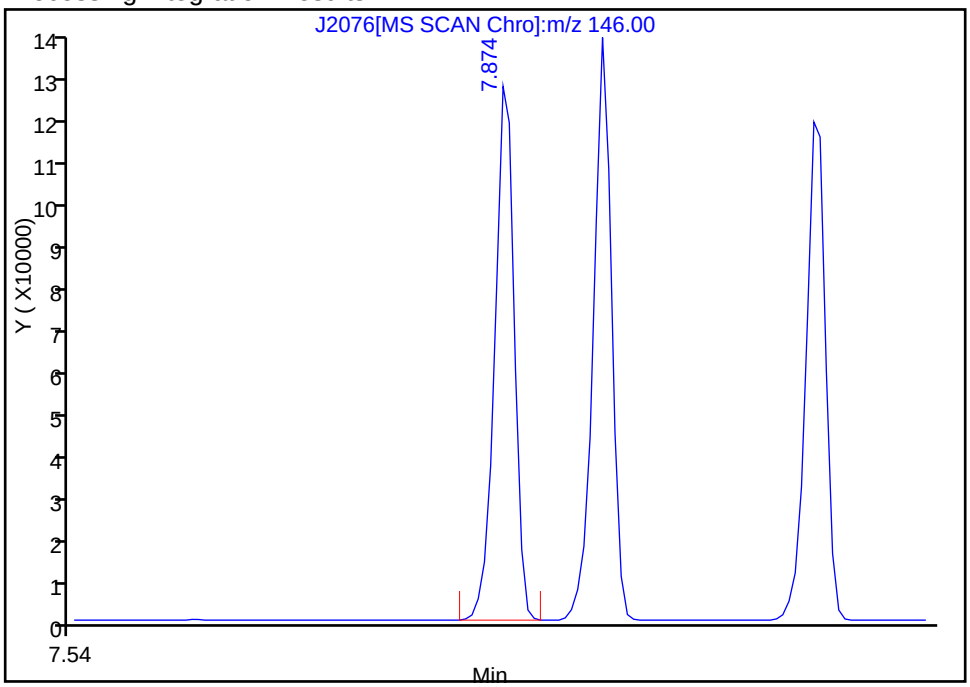
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

24 1,2-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 8.11

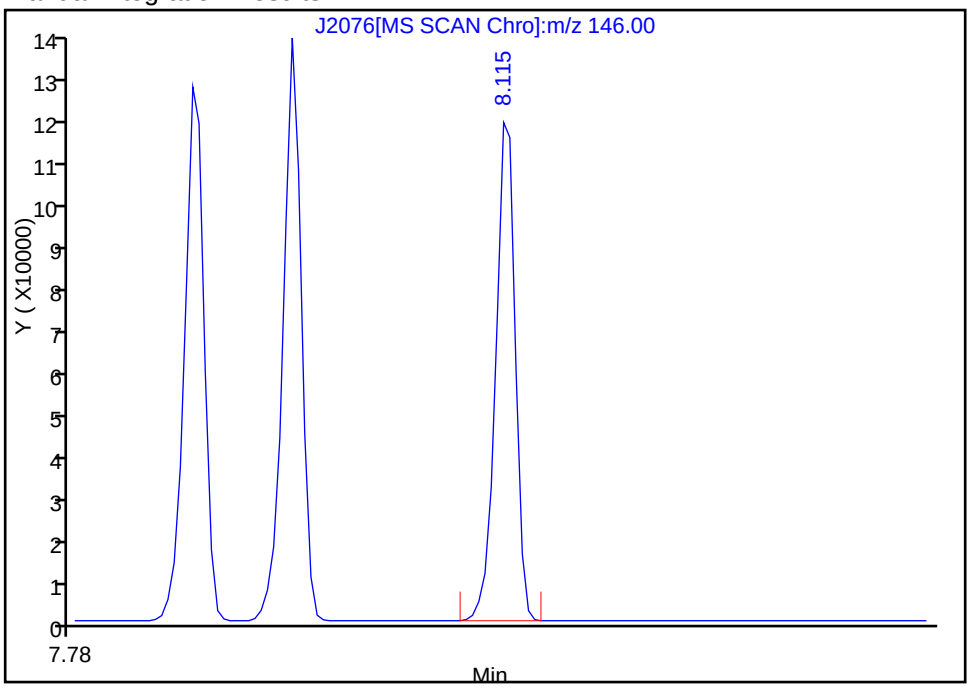
Processing Integration Results

RT: 7.87
Response: 128118
Amount: 4.301847



Manual Integration Results

RT: 8.11
Response: 120110
Amount: 4.897020



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason:

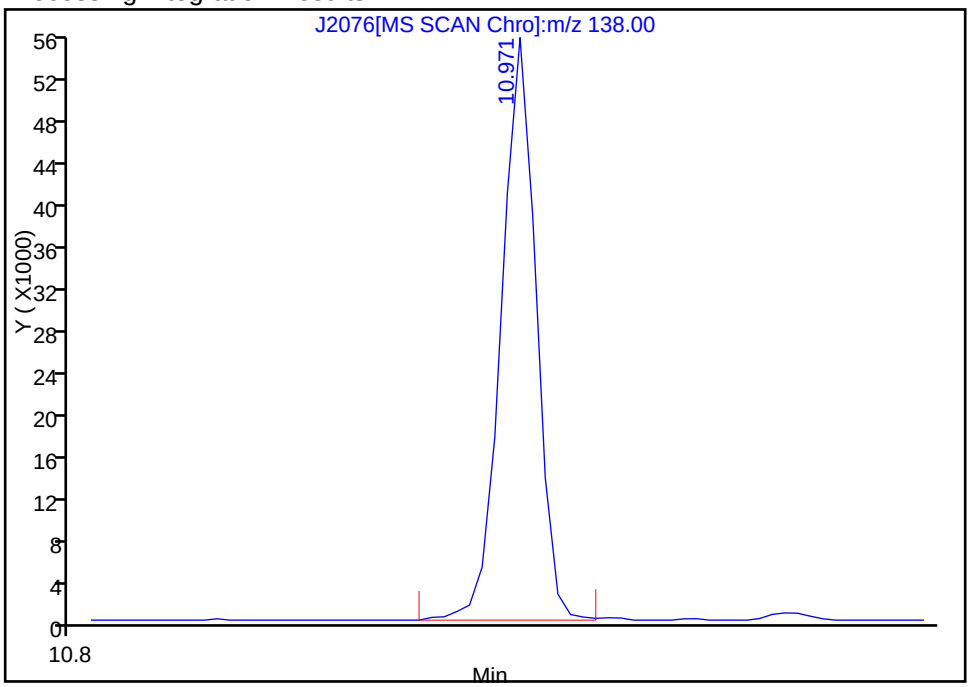
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

68 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.59

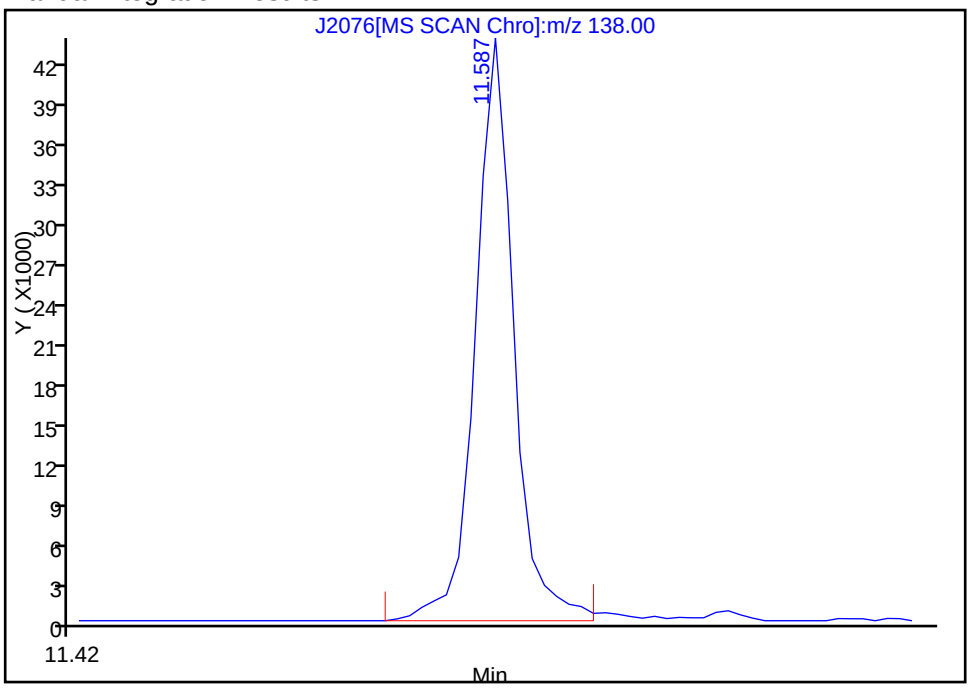
Processing Integration Results

RT: 10.97
Response: 51597
Amount: 4.620877



Manual Integration Results

RT: 11.59
Response: 45758
Amount: 4.900599



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 22-Dec-2010 14:45:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

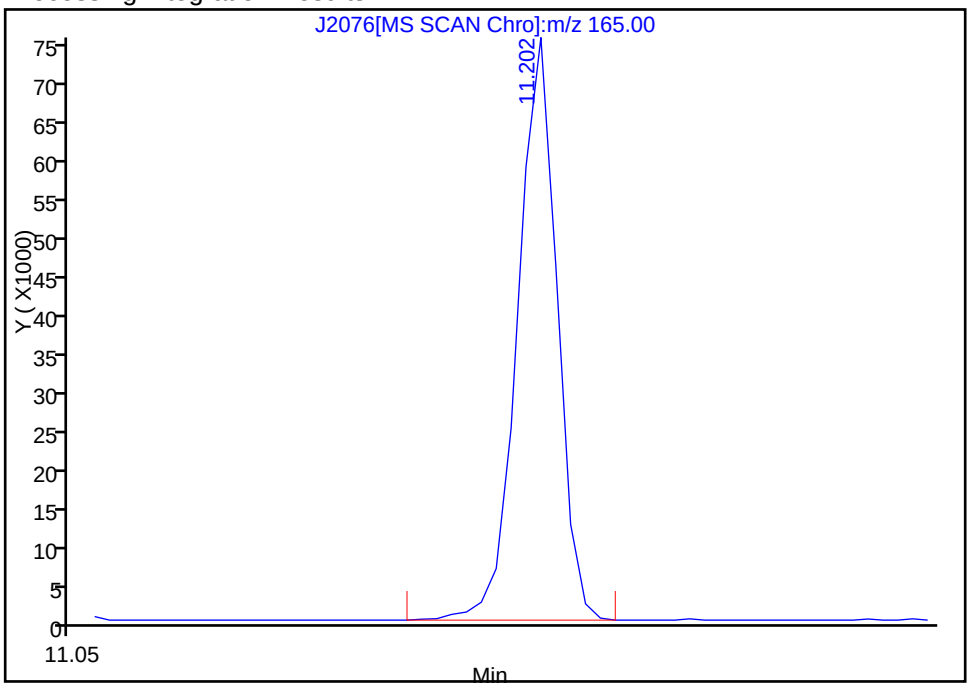
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

57 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 10.79

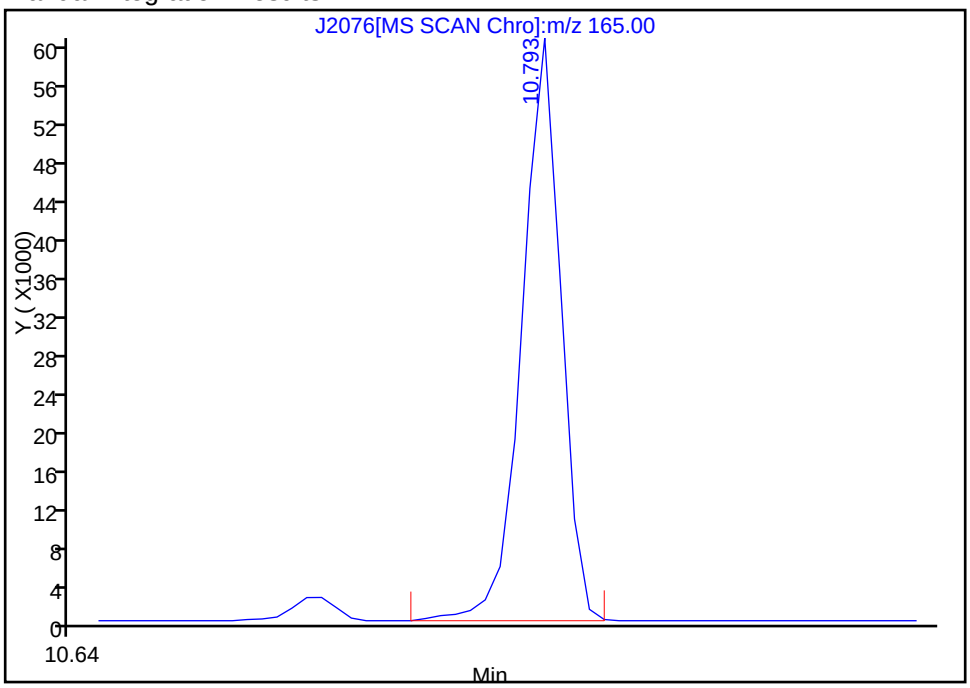
Processing Integration Results

RT: 11.20
Response: 66749
Amount: 5.133549



Manual Integration Results

RT: 10.79
Response: 52414
Amount: 5.093298



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

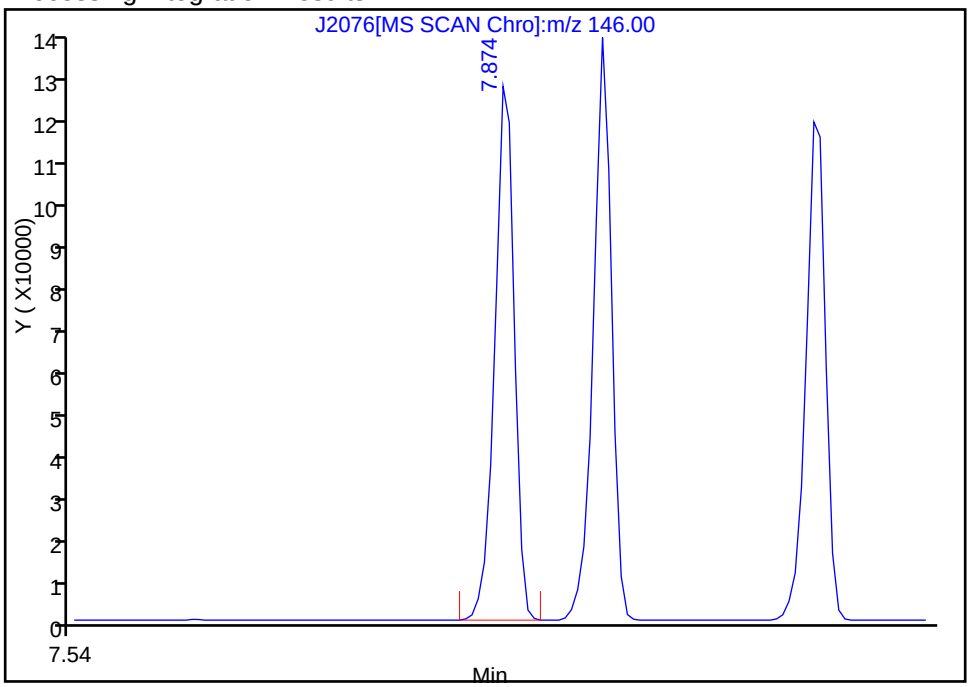
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

21 1,3-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 7.87

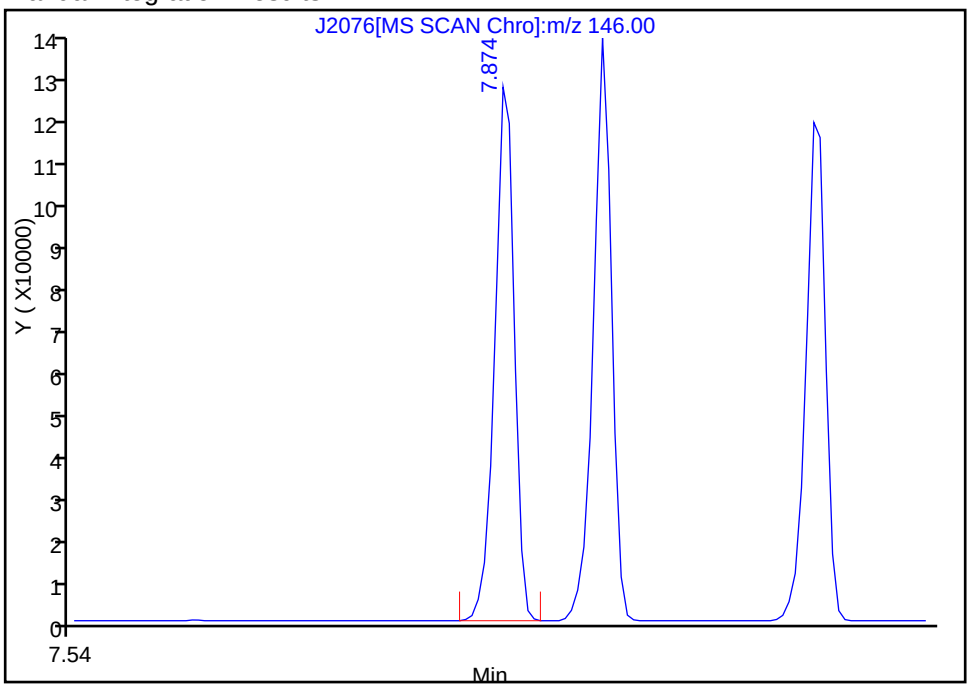
Processing Integration Results

RT: 7.87
Response: 128118
Amount: 4.108122



Manual Integration Results

RT: 7.87
Response: 128118
Amount: 4.974083



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason:

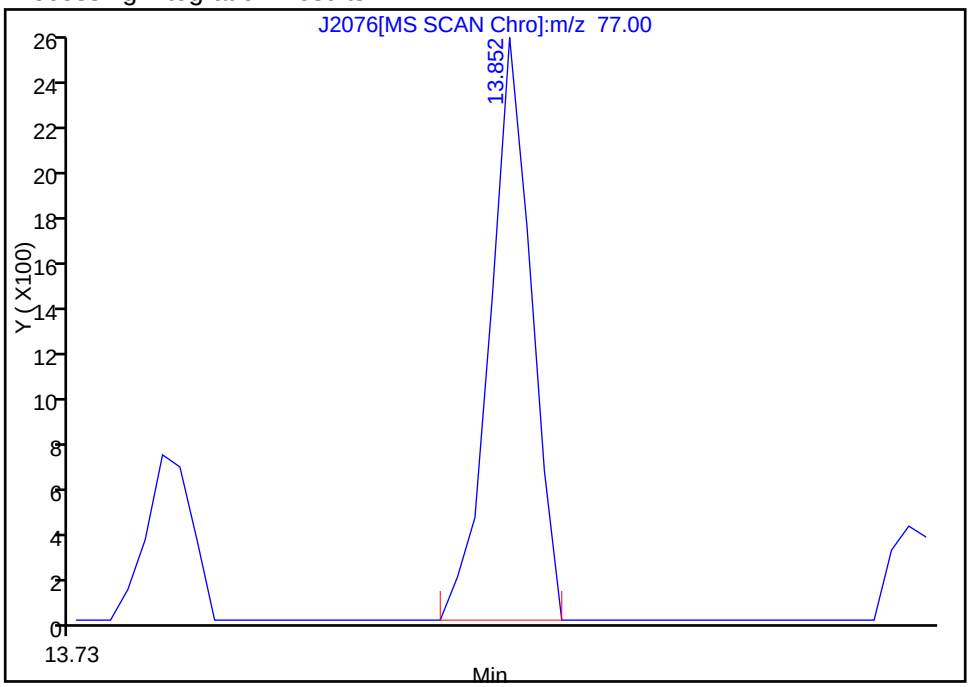
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

73 1,2-Diphenylhydrazine, Signal: 1, m/z: 77.0 Type: quant, RT: 11.73

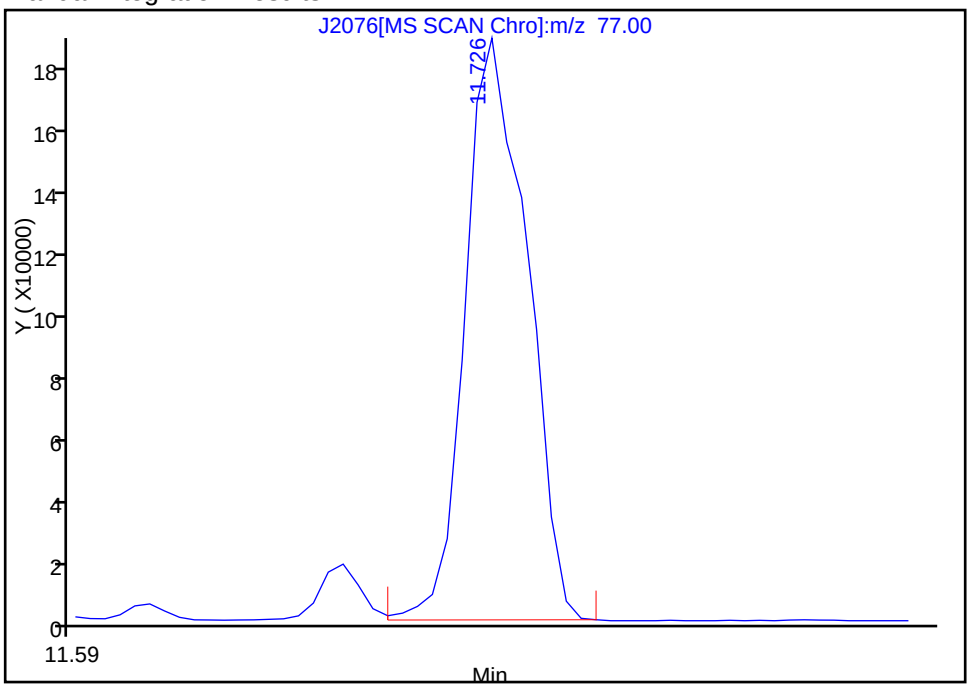
Processing Integration Results

RT: 13.85
Response: 2045
Amount: 0.036558



Manual Integration Results

RT: 11.73
Response: 250189
Amount: 5.100681



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

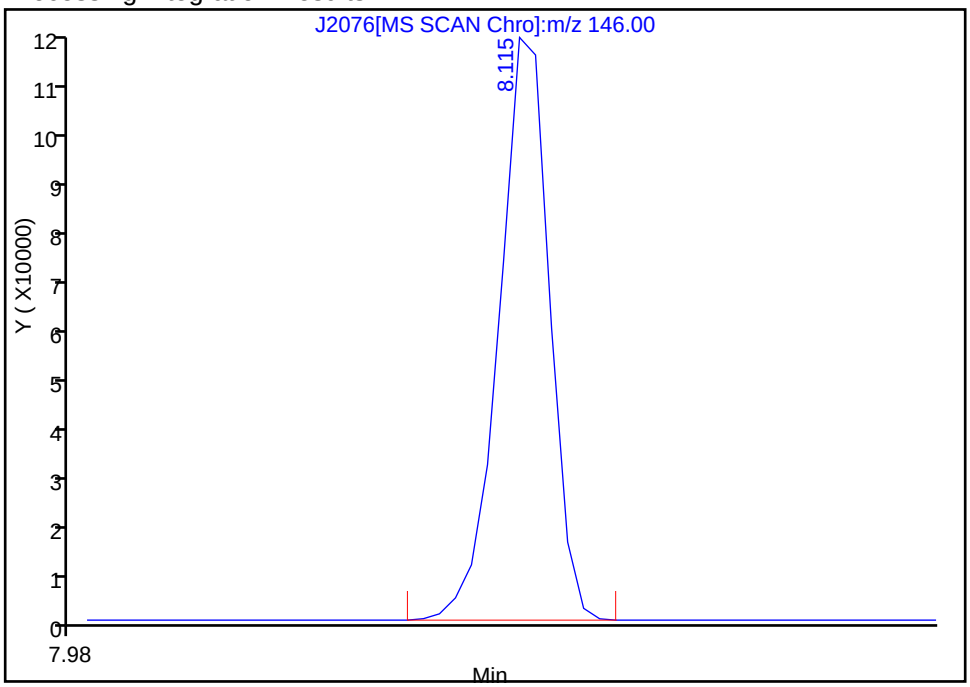
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

22 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 7.95

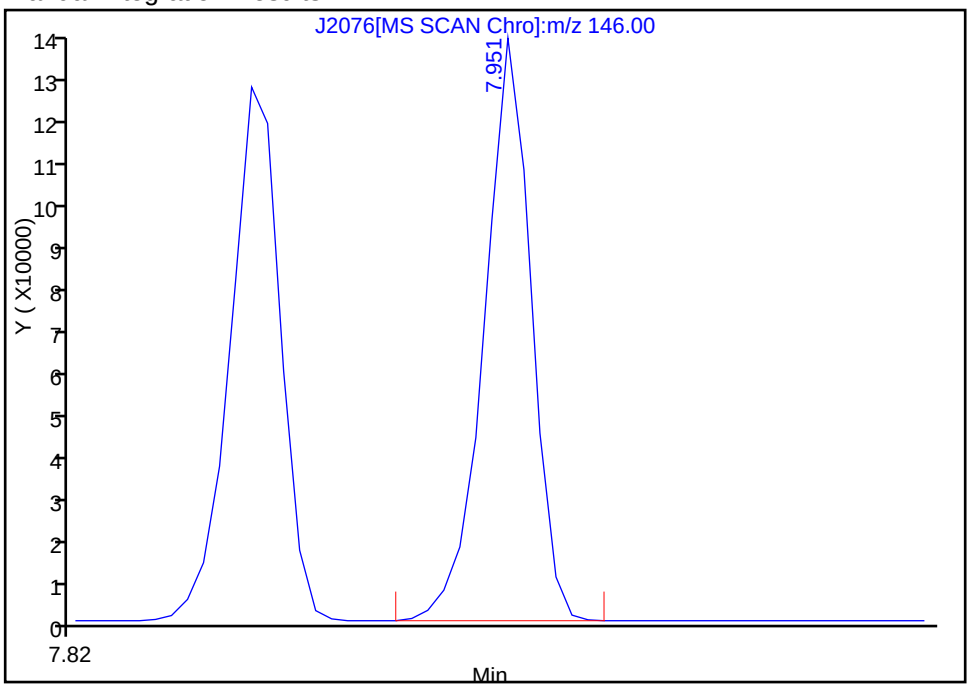
Processing Integration Results

RT: 8.11
Response: 120110
Amount: 3.808062



Manual Integration Results

RT: 7.95
Response: 130079
Amount: 4.912476



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Assigned Compound ID
Audit Reason:

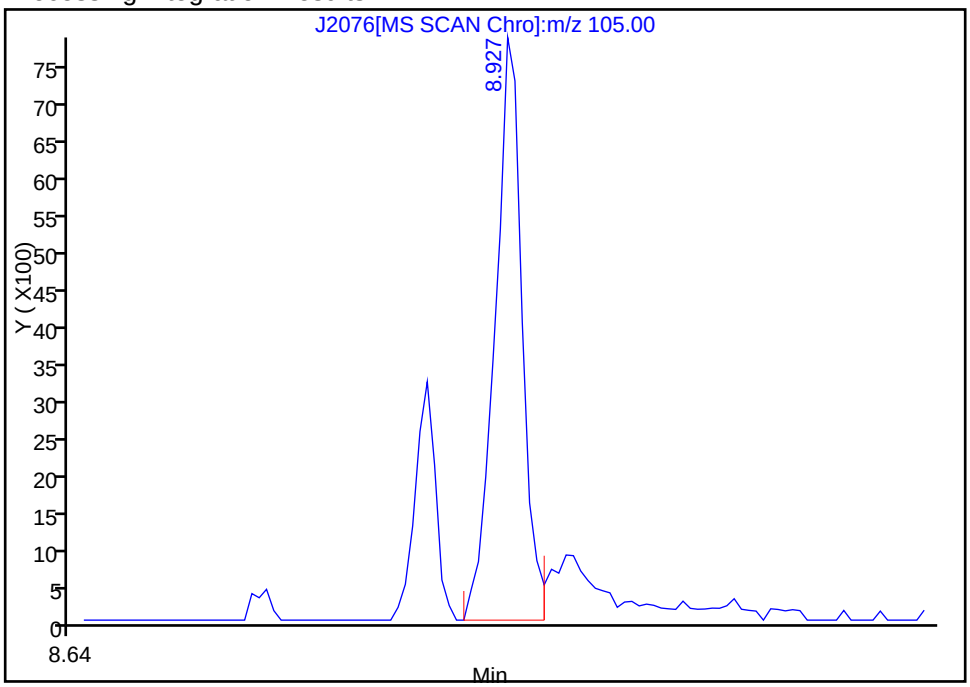
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2076.D		
Injection Date:	21-Dec-2010 16:22:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.93

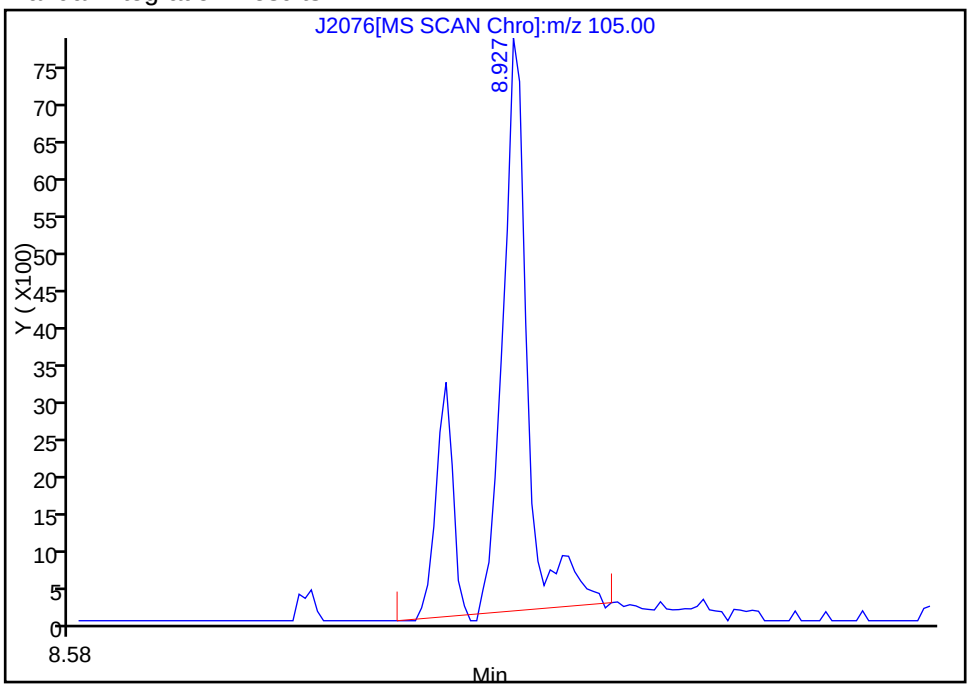
Processing Integration Results

RT: 8.93
Response: 9791
Amount: 5.292095



Manual Integration Results

RT: 8.93
Response: 13258
Amount: 5.015488



Reviewer: testerc, 22-Dec-2010 09:02:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2077.D
Lims ID: STD8 Client ID:
Inject. Date: 21-Dec-2010 16:55:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD8.0
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 7
Lims Batch ID: 67510 Lims Sample ID: 7
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:45:40 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:45:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.931	7.932	-0.001	93	79614	4.00	
* 2 Naphthalene-d8	136	9.258	9.259	-0.001	99	312785	4.00	
* 3 Acenaphthene-d10	164	11.042	11.043	-0.001	91	165518	4.00	
* 4 Phenanthrene-d10	188	12.542	12.539	0.003	95	292555	4.00	
* 5 Chrysene-d12	240	15.139	15.140	-0.001	77	179721	4.00	
* 6 Perylene-d12	264	16.365	16.362	0.003	80	61560	4.00	
$ 7 2-Fluorophenol	112	6.450	6.456	-0.006	87	141321	8.24	
$ 8 Phenol-d5	99	7.512	7.514	-0.002	90	160880	8.25	
$ 9 Nitrobenzene-d5	82	8.508	8.509	-0.001	89	131651	8.32	
$ 10 2-Fluorobiphenyl	172	10.335	10.336	-0.001	100	345460	8.12	
$ 11 2,4,6-Tribromophenol	330	11.831	11.832	-0.001	77	28048	7.63	
$ 12 Terphenyl-d14	244	14.091	14.092	-0.001	98	251312	7.87	
13 1,4-Dioxane	88	3.685	3.715	-0.030	96	46382	8.07	
14 N-Nitrosodimethylamine	42	4.358	4.378	-0.020	72	81171	8.37	
15 Pyridine	52	4.411	4.436	-0.025	81	93474	8.32	
16 Benzaldehyde	105	7.460	7.461	-0.001	18	104483	8.40	
17 Phenol	94	7.527	7.528	-0.001	99	150287	8.09	
18 Aniline	93	7.575	7.576	-0.001	95	181301	8.24	
19 Bis(2-chloroethyl)ether	93	7.633	7.634	-0.001	97	123078	8.15	
20 2-Chlorophenol	128	7.705	7.711	-0.006	91	168944	8.20	
21 1,3-Dichlorobenzene	146	7.873	7.874	-0.001	98	185606	8.02	
22 1,4-Dichlorobenzene	146	7.950	7.951	-0.001	96	191781	8.07	
23 Benzyl alcohol	79	8.061	8.062	-0.001	95	97534	8.52	
24 1,2-Dichlorobenzene	146	8.114	8.115	-0.001	99	178370	8.10	
25 2-Methylphenol	108	8.171	8.168	0.003	95	122571	8.24	
26 2,2'-oxybis[1-chloropropane]	45	8.200	8.201	-0.001	87	171092	8.09	
27 3 & 4 Methylphenol	107	8.325	8.326	-0.001	96	141341	8.20	
28 N-Nitrosodi-n-propylamine	42	8.335	8.336	-0.001	94	69015	8.44	
29 Acetophenone	105	8.344	8.345	-0.001	92	189432	8.18	
30 Hexachloroethane	117	8.474	8.475	-0.001	98	68242	8.16	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.532	8.533	-0.001	87	119262	8.05	
32 Isophorone	82	8.768	8.764	0.004	94	213518	7.97	
35 2-Nitrophenol	139	8.859	8.860	-0.001	90	87316	8.51	
33 2,4-Dimethylphenol	107	8.873	8.874	-0.001	90	132795	8.06	
34 Benzoic acid	105	8.945	8.927	0.018	33	37651	8.54	M
36 Bis(2-chloroethoxy)methane	93	8.970	8.971	-0.001	98	139465	7.92	
37 2,4-Dichlorophenol	162	9.099	9.100	-0.001	91	120796	7.87	
38 1,2,4-Trichlorobenzene	180	9.196	9.197	-0.001	95	148718	8.12	
40 Naphthalene	128	9.282	9.283	-0.001	98	491479	8.08	
41 4-Chloroaniline	127	9.321	9.317	0.004	82	199585	8.44	
42 Hexachlorobutadiene	225	9.397	9.399	-0.002	96	73274	8.19	
43 Caprolactam	55	9.662	9.653	0.009	85	48779	8.23	
44 4-Chloro-3-methylphenol	107	9.787	9.783	0.004	92	120605	8.39	
45 2-Methylnaphthalene	142	9.979	9.980	-0.001	89	310923	8.13	
46 1-Methylnaphthalene	142	10.085	10.081	0.004	91	311891	8.17	
47 Hexachlorocyclopentadiene	237	10.138	10.139	-0.001	88	64585	8.64	
48 1,2,4,5-Tetrachlorobenzene	216	10.152	10.154	-0.002	97	123493	7.99	
49 2,4,6-Trichlorophenol	196	10.253	10.255	-0.002	90	82665	8.70	
50 2,4,5-Trichlorophenol	196	10.292	10.293	-0.001	95	82645	8.64	
51 1,1'-Biphenyl	154	10.441	10.442	-0.001	90	384970	8.15	
52 2-Chloronaphthalene	162	10.479	10.476	0.003	98	357762	8.33	
53 Phenyl ether	170	10.542	10.538	0.004	94	196787	8.06	
54 2-Nitroaniline	138	10.566	10.562	0.004	81	102217	8.79	
56 Dimethyl phthalate	163	10.720	10.721	-0.001	100	335712	8.24	
57 2,6-Dinitrotoluene	165	10.792	10.793	-0.001	89	80278	8.49	
58 Acenaphthylene	152	10.903	10.904	-0.001	97	490030	8.41	
59 3-Nitroaniline	138	10.975	10.971	0.004	88	81142	8.58	
62 Acenaphthene	153	11.076	11.077	-0.001	91	300452	8.10	
61 2,4-Dinitrophenol	184	11.076	11.072	0.004	98	29549	8.71	M
60 4-Nitrophenol	139	11.105	11.101	0.004	53	55463	8.26	
63 2,4-Dinitrotoluene	165	11.201	11.202	-0.001	95	103774	8.74	
64 Dibenzofuran	168	11.244	11.245	-0.001	93	403911	8.24	
65 2,3,4,6-Tetrachlorophenol	232	11.316	11.317	-0.001	0	59318	8.06	
66 Diethyl phthalate	149	11.417	11.418	-0.001	98	365353	8.40	
67 4-Chlorophenyl phenyl ether	204	11.561	11.563	-0.002	93	153113	8.27	
68 4-Nitroaniline	138	11.590	11.587	0.003	42	76645	8.93	
70 Fluorene	166	11.590	11.591	-0.001	81	333918	8.33	
69 4,6-Dinitro-2-methylphenol	198	11.619	11.615	0.004	78	44462	8.15	
75 N-Nitrosodiphenylamine	169	11.682	11.678	0.004	50	279785	9.48	
71 Diphenylamine	169	11.682	11.678	0.004	0	279785	8.10	
73 1,2-Diphenylhydrazine	77	11.725	11.726	-0.001	1	378829	8.05	
72 Azobenzene	77	11.725	11.726	-0.001	90	378829	8.05	
74 Benzophenone	105	11.739	11.736	0.003	88	305518	8.12	
76 4-Bromophenyl phenyl ether	248	12.062	12.058	0.004	59	76742	8.06	
78 Hexachlorobenzene	284	12.158	12.154	0.004	88	73159	7.91	
77 Atrazine	200	12.187	12.183	0.004	62	86377	8.32	
79 Pentachlorophenol	266	12.340	12.337	0.003	76	36304	7.94	
80 Pentachloronitrobenzene	237	12.355	12.356	-0.001	58	38175	8.46	
81 Phenanthrene	178	12.566	12.563	0.003	98	451343	7.89	
82 Anthracene	178	12.619	12.616	0.003	97	446908	8.10	
83 Carbazole	167	12.759	12.760	-0.001	82	372111	8.29	
84 Di-n-butyl phthalate	149	13.047	13.044	0.003	100	588026	8.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.759	13.760	-0.001	97	424197	8.29	
87 Benzidine	184	13.855	13.852	0.003	98	126098	8.69	
88 Pyrene	202	13.990	13.991	-0.001	0	414885	7.81	A
90 Butyl benzyl phthalate	149	14.519	14.520	-0.001	92	228076	8.34	
91 Bis(2-ethylhexyl) phthalate	149	15.029	15.030	-0.001	93	287685	8.47	
92 3,3'-Dichlorobenzidine	252	15.067	15.068	-0.001	57	71883	8.22	
93 Benzo[a]anthracene	228	15.130	15.126	0.004	99	297640	8.24	
94 Chrysene	228	15.168	15.164	0.004	97	267987	8.04	
95 Di-n-octyl phthalate	149	15.562	15.563	-0.001	100	314253	8.15	
97 Benzo[b]fluoranthene	252	16.000	15.996	0.004	98	144705	8.36	
98 Benzo[k]fluoranthene	252	16.024	16.020	0.004	98	126212	8.05	
99 Benzo[a]pyrene	252	16.313	16.309	0.004	75	103225	8.35	
102 Indeno[1,2,3-cd]pyrene	276	17.669	17.665	0.004	91	75710	7.96	
100 Dibenz(a,h)anthracene	278	17.669	17.670	-0.001	67	59701	7.81	
101 Benzo[g,h,i]perylene	276	18.077	18.074	0.003	92	60546	7.92	

QC Flag Legend

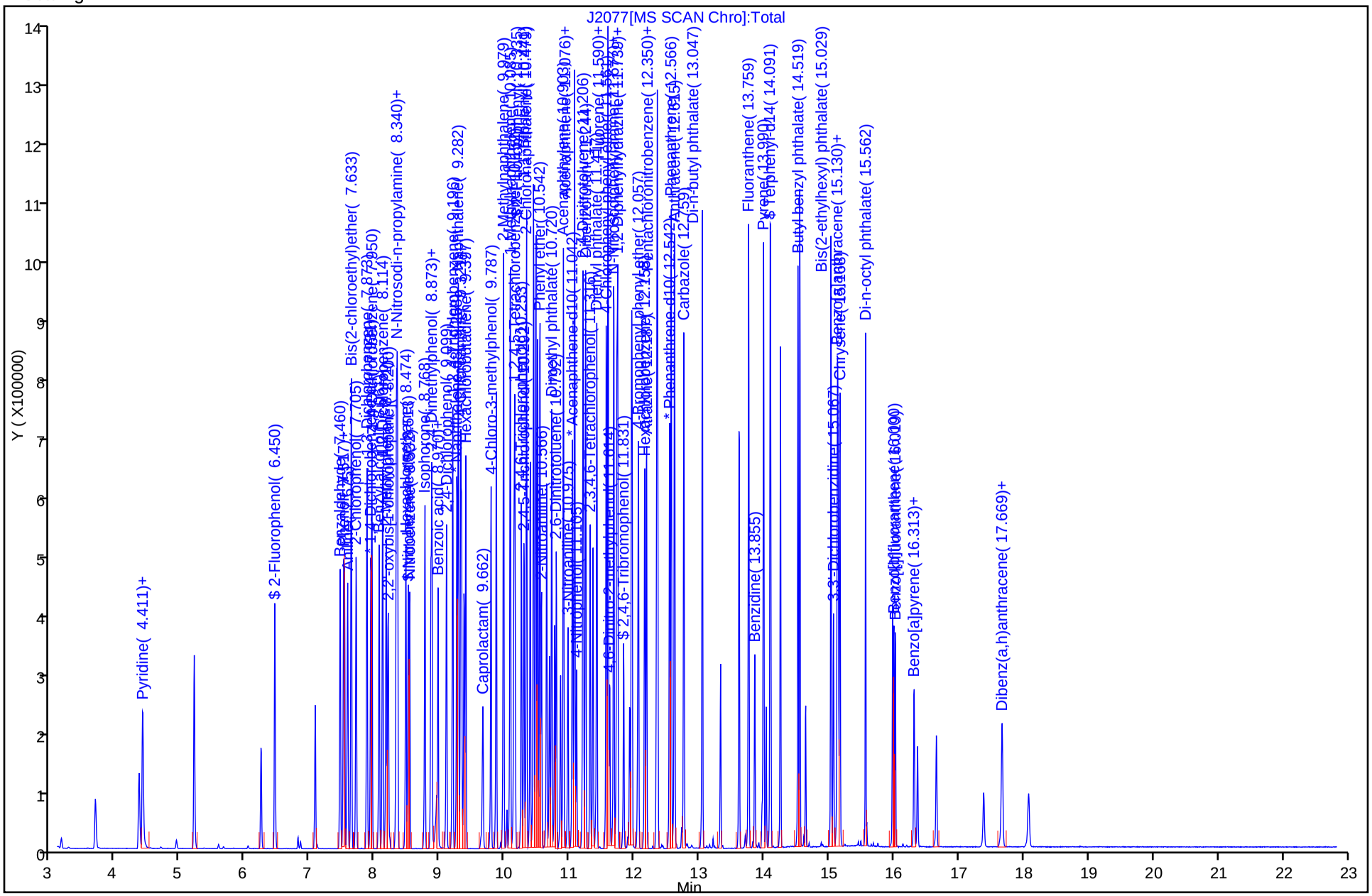
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 22-Dec-2010 14:45:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2077.D

Injection Date:	21-Dec-2010 16:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



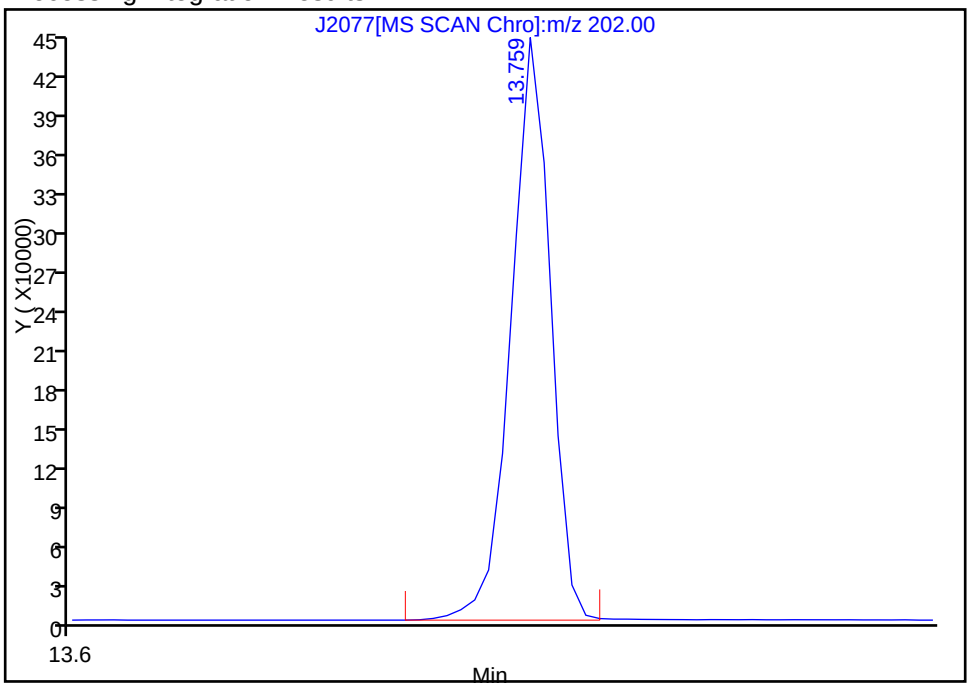
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2077.D		
Injection Date:	21-Dec-2010 16:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

88 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 13.99

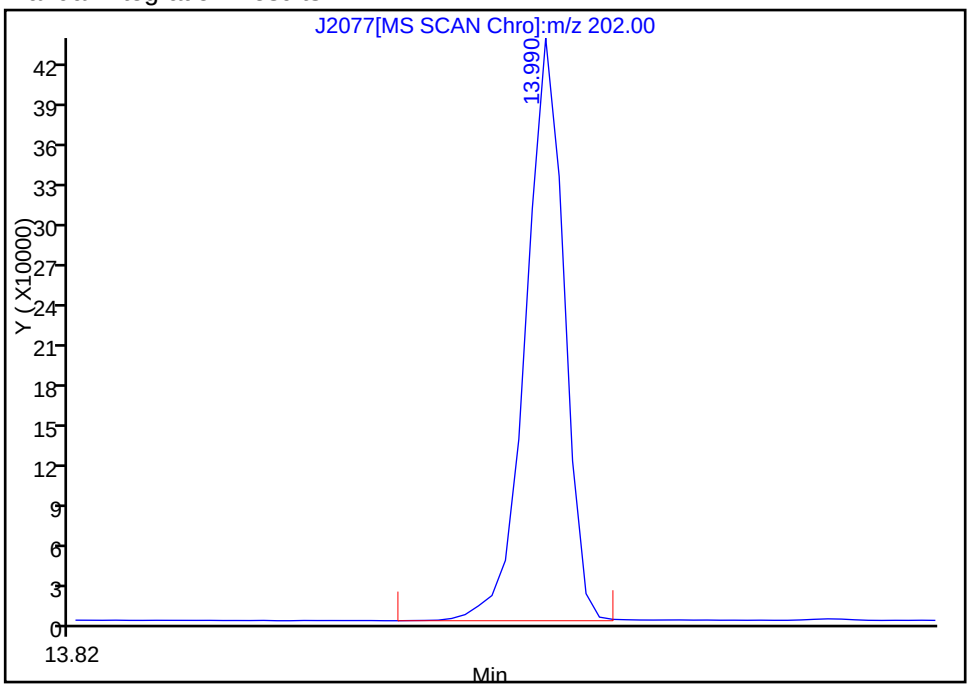
Processing Integration Results

RT: 13.76
Response: 424197
Amount: 7.943129



Manual Integration Results

RT: 13.99
Response: 414885
Amount: 7.806398



Reviewer: testerc, 22-Dec-2010 09:11:25
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 22-Dec-2010 14:45:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

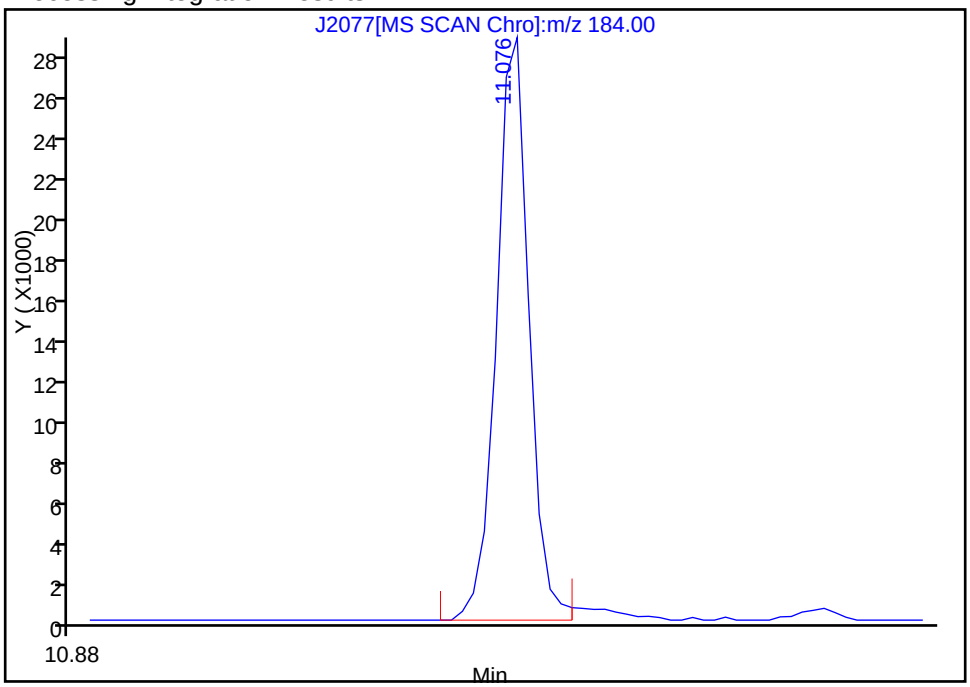
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2077.D		
Injection Date:	21-Dec-2010 16:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.07

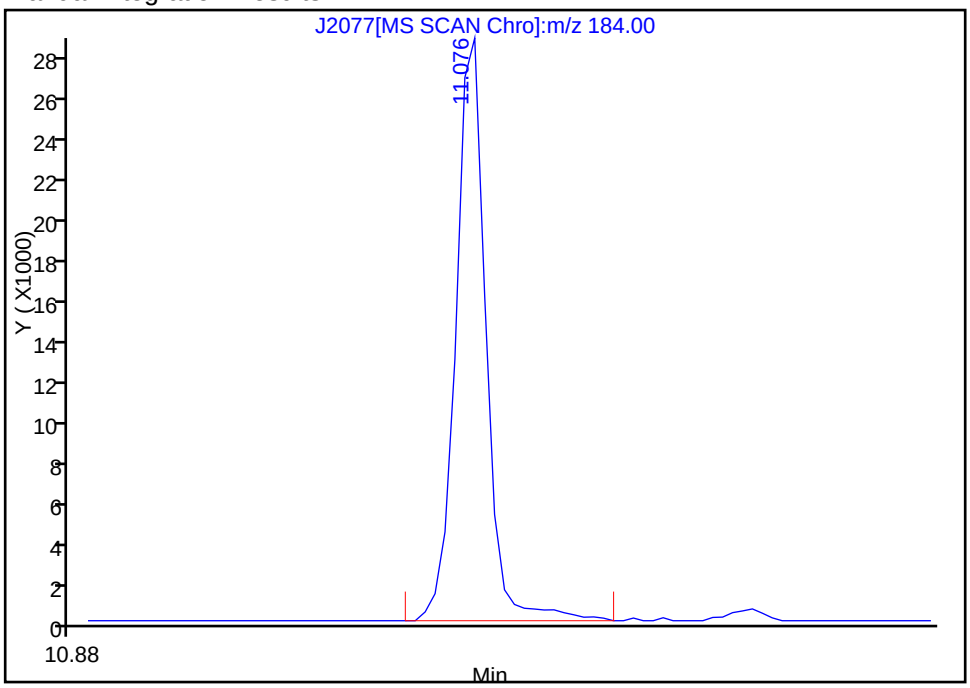
Processing Integration Results

RT: 11.08
Response: 28731
Amount: 9.658955



Manual Integration Results

RT: 11.08
Response: 29549
Amount: 8.710748



Reviewer: testerc, 22-Dec-2010 11:28:17
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 22-Dec-2010 14:45:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

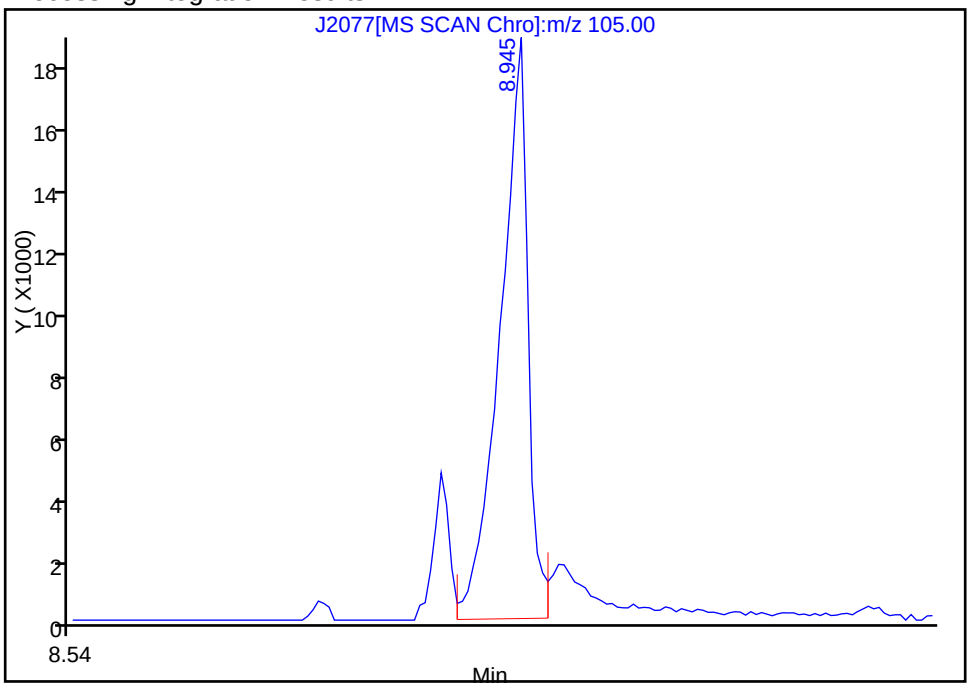
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2077.D		
Injection Date:	21-Dec-2010 16:55:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.93

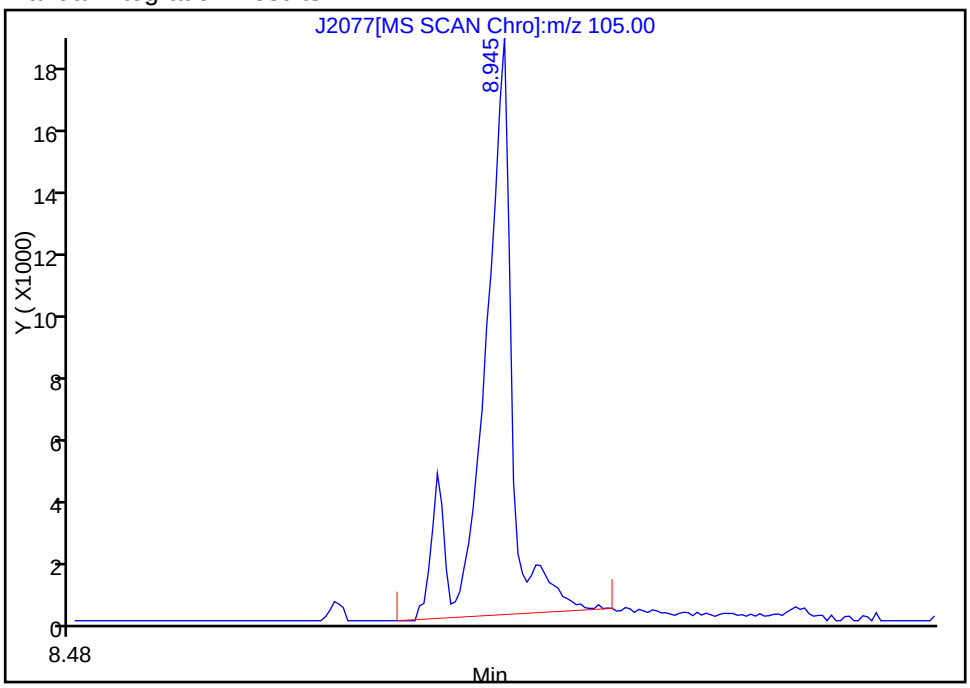
Processing Integration Results

RT: 8.95
Response: 31309
Amount: 8.000000



Manual Integration Results

RT: 8.95
Response: 37651
Amount: 8.540086



Reviewer: testerc, 22-Dec-2010 09:11:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2078.D
Lims ID: STD10 Client ID:
Inject. Date: 21-Dec-2010 17:27:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD10.0
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 8
Lims Batch ID: 67510 Lims Sample ID: 8
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:45:52 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:45:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.931	7.932	-0.001	94	73433	4.00	
* 2 Naphthalene-d8	136	9.259	9.259	0.0	99	287205	4.00	
* 3 Acenaphthene-d10	164	11.043	11.043	0.0	91	156659	4.00	
* 4 Phenanthrene-d10	188	12.543	12.539	0.004	95	272057	4.00	
* 5 Chrysene-d12	240	15.140	15.140	0.0	77	143100	4.00	
* 6 Perylene-d12	264	16.366	16.362	0.004	80	45200	4.00	
$ 7 2-Fluorophenol	112	6.455	6.456	-0.001	86	164351	10.1	
$ 8 Phenol-d5	99	7.518	7.514	0.004	89	185307	10.3	
$ 9 Nitrobenzene-d5	82	8.513	8.509	0.004	87	150596	10.4	
$ 10 2-Fluorobiphenyl	172	10.336	10.336	0.0	100	398648	9.90	
$ 11 2,4,6-Tribromophenol	330	11.836	11.832	0.004	91	32904	9.43	
$ 12 Terphenyl-d14	244	14.091	14.092	-0.001	98	283711	11.2	
13 1,4-Dioxane	88	3.680	3.715	-0.035	96	53291	10.0	
14 N-Nitrosodimethylamine	42	4.358	4.378	-0.020	71	91058	10.2	
15 Pyridine	52	4.411	4.436	-0.025	82	110705	10.7	
16 Benzaldehyde	105	7.460	7.461	-0.001	22	118760	10.3	
17 Phenol	94	7.532	7.528	0.004	99	171569	10.0	
18 Aniline	93	7.576	7.576	0.0	49	208236	10.3	A
19 Bis(2-chloroethyl)ether	93	7.633	7.634	-0.001	97	138890	9.97	
20 2-Chlorophenol	128	7.710	7.711	-0.001	90	195106	10.3	
21 1,3-Dichlorobenzene	146	7.874	7.874	0.0	99	212842	9.98	
22 1,4-Dichlorobenzene	146	7.951	7.951	0.0	96	219831	10.0	
23 Benzyl alcohol	79	8.061	8.062	-0.001	95	111883	10.6	
24 1,2-Dichlorobenzene	146	8.114	8.115	-0.001	98	205823	10.1	
25 2-Methylphenol	108	8.172	8.168	0.004	96	139865	10.2	
26 2,2'-oxybis[1-chloropropane]	45	8.201	8.201	0.0	88	194447	9.96	
27 3 & 4 Methylphenol	107	8.326	8.326	0.0	96	160998	10.1	
28 N-Nitrosodi-n-propylamine	42	8.340	8.336	0.004	94	78260	10.4	
29 Acetophenone	105	8.345	8.345	0.0	91	216372	10.1	
30 Hexachloroethane	117	8.475	8.475	0.0	98	78613	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.533	8.533	-0.001	87	136441	10.0	
32 Isophorone	82	8.768	8.764	0.004	94	246626	9.98	
35 2-Nitrophenol	139	8.860	8.860	0.0	89	102671	10.9	
33 2,4-Dimethylphenol	107	8.874	8.874	0.0	90	154315	10.2	
34 Benzoic acid	105	8.946	8.927	0.019	63	43874	9.54	M
36 Bis(2-chloroethoxy)methane	93	8.970	8.971	-0.001	98	162469	10.0	
37 2,4-Dichlorophenol	162	9.100	9.100	0.0	91	138408	9.79	
38 1,2,4-Trichlorobenzene	180	9.196	9.197	-0.001	96	168893	10.0	
40 Naphthalene	128	9.283	9.283	0.0	98	564489	10.1	
41 4-Chloroaniline	127	9.321	9.317	0.004	82	230955	10.6	
42 Hexachlorobutadiene	225	9.398	9.399	-0.001	96	83152	10.1	
43 Caprolactam	55	9.667	9.653	0.014	82	54675	9.98	
44 4-Chloro-3-methylphenol	107	9.788	9.783	0.005	93	140225	10.6	
45 2-Methylnaphthalene	142	9.980	9.980	0.0	90	355437	10.1	
46 1-Methylnaphthalene	142	10.086	10.081	0.005	91	358566	10.2	
47 Hexachlorocyclopentadiene	237	10.139	10.139	0.0	87	69192	9.78	
48 1,2,4,5-Tetrachlorobenzene	216	10.153	10.154	-0.001	97	144546	10.2	
49 2,4,6-Trichlorophenol	196	10.254	10.255	-0.001	89	96131	10.7	
50 2,4,5-Trichlorophenol	196	10.297	10.293	0.004	94	97016	10.7	
51 1,1'-Biphenyl	154	10.442	10.442	0.0	90	446456	9.98	
52 2-Chloronaphthalene	162	10.480	10.476	0.004	97	410065	10.1	
53 Phenyl ether	170	10.543	10.538	0.005	92	228837	10.2	
54 2-Nitroaniline	138	10.567	10.562	0.005	81	120185	10.9	
56 Dimethyl phthalate	163	10.721	10.721	-0.001	100	393434	10.2	
57 2,6-Dinitrotoluene	165	10.797	10.793	0.004	86	93216	10.4	
58 Acenaphthylene	152	10.903	10.904	-0.001	97	562572	10.2	
59 3-Nitroaniline	138	10.975	10.971	0.004	88	93465	10.4	
61 2,4-Dinitrophenol	184	11.076	11.072	0.004	98	31380	9.43	M
62 Acenaphthene	153	11.076	11.077	-0.001	91	350288	9.97	
60 4-Nitrophenol	139	11.105	11.101	0.004	52	61650	9.64	
63 2,4-Dinitrotoluene	165	11.206	11.202	0.004	94	121870	10.8	
64 Dibenzofuran	168	11.245	11.245	0.0	93	474563	10.2	
65 2,3,4,6-Tetrachlorophenol	232	11.317	11.317	0.0	0	68235	9.67	
66 Diethyl phthalate	149	11.418	11.418	0.0	98	429334	10.4	
67 4-Chlorophenyl phenyl ether	204	11.562	11.563	-0.001	93	179724	10.3	
68 4-Nitroaniline	138	11.591	11.587	0.004	43	86770	10.7	
70 Fluorene	166	11.591	11.591	0.0	81	388855	10.2	
69 4,6-Dinitro-2-methylphenol	198	11.620	11.615	0.005	78	48157	9.37	
75 N-Nitrosodiphenylamine	169	11.682	11.678	0.004	51	329996	12.0	
71 Diphenylamine	169	11.682	11.678	0.004	0	329996	10.3	
73 1,2-Diphenylhydrazine	77	11.726	11.726	0.0	1	442692	10.1	
72 Azobenzene	77	11.726	11.726	0.0	90	442692	10.1	
74 Benzophenone	105	11.740	11.736	0.004	92	356009	10.2	
76 4-Bromophenyl phenyl ether	248	12.062	12.058	0.004	58	89508	10.1	
78 Hexachlorobenzene	284	12.158	12.154	0.004	89	85998	10.0	
77 Atrazine	200	12.187	12.183	0.004	63	101164	10.5	
79 Pentachlorophenol	266	12.341	12.337	0.004	74	40014	9.30	
80 Pentachloronitrobenzene	237	12.360	12.356	0.004	80	44308	10.6	
81 Phenanthrene	178	12.567	12.563	0.004	98	527876	9.92	
82 Anthracene	178	12.620	12.616	0.004	97	531440	10.4	
83 Carbazole	167	12.759	12.760	-0.001	82	418197	10.0	
84 Di-n-butyl phthalate	149	13.043	13.044	-0.001	100	686598	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.760	13.760	0.0	97	480681	10.1	
87 Benzidine	184	13.856	13.852	0.004	99	127869	9.47	
88 Pyrene	202	13.991	13.991	-0.001	98	471629	11.1	
90 Butyl benzyl phthalate	149	14.519	14.520	-0.001	92	236760	10.9	
91 Bis(2-ethylhexyl) phthalate	149	15.029	15.030	-0.001	92	292630	10.8	
92 3,3'-Dichlorobenzidine	252	15.068	15.068	0.0	57	70146	10.1	
93 Benzo[a]anthracene	228	15.130	15.126	0.004	99	293473	10.2	
94 Chrysene	228	15.169	15.164	0.005	97	268901	10.1	
95 Di-n-octyl phthalate	149	15.563	15.563	0.0	99	301185	10.6	
97 Benzo[b]fluoranthene	252	16.001	15.996	0.005	97	133546	10.5	
98 Benzo[k]fluoranthene	252	16.020	16.020	0.0	96	122158	10.6	
99 Benzo[a]pyrene	252	16.308	16.309	-0.001	77	94672	10.4	
102 Indeno[1,2,3-cd]pyrene	276	17.664	17.665	-0.001	92	64781	9.22	
100 Dibenz(a,h)anthracene	278	17.669	17.670	-0.001	72	52252	9.26	
101 Benzo[g,h,i]perylene	276	18.078	18.074	0.004	93	52337	9.30	

QC Flag Legend

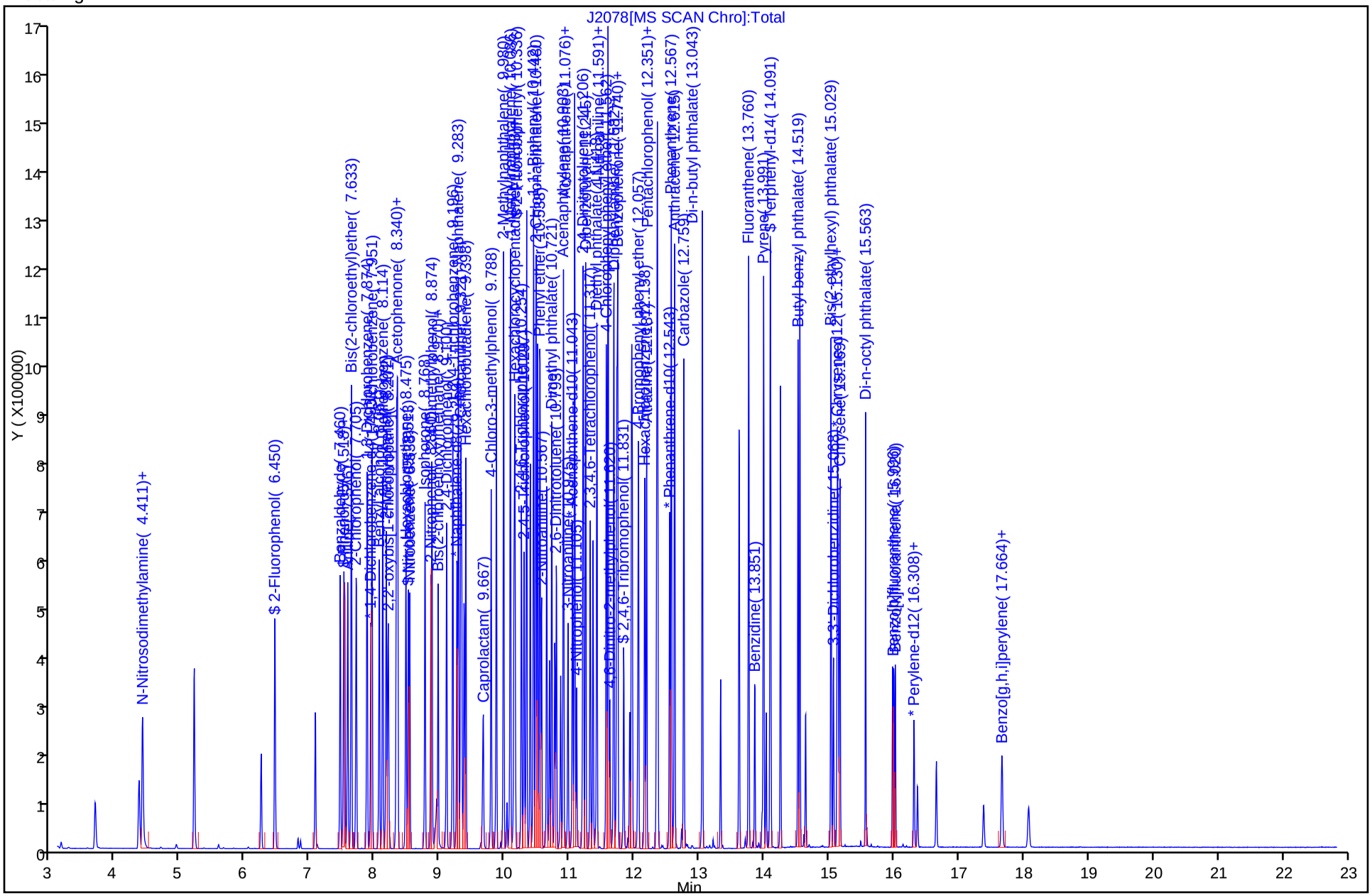
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 22-Dec-2010 14:45:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2078.D

Injection Date:	21-Dec-2010 17:27:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



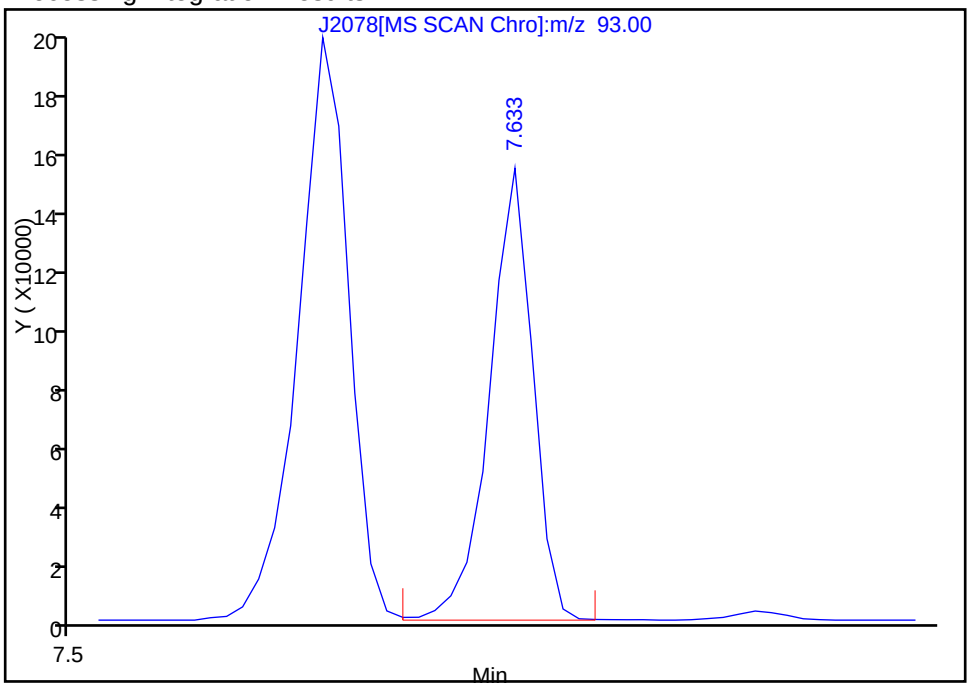
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2078.D		
Injection Date:	21-Dec-2010 17:27:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	2.00 ul

18 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 7.58

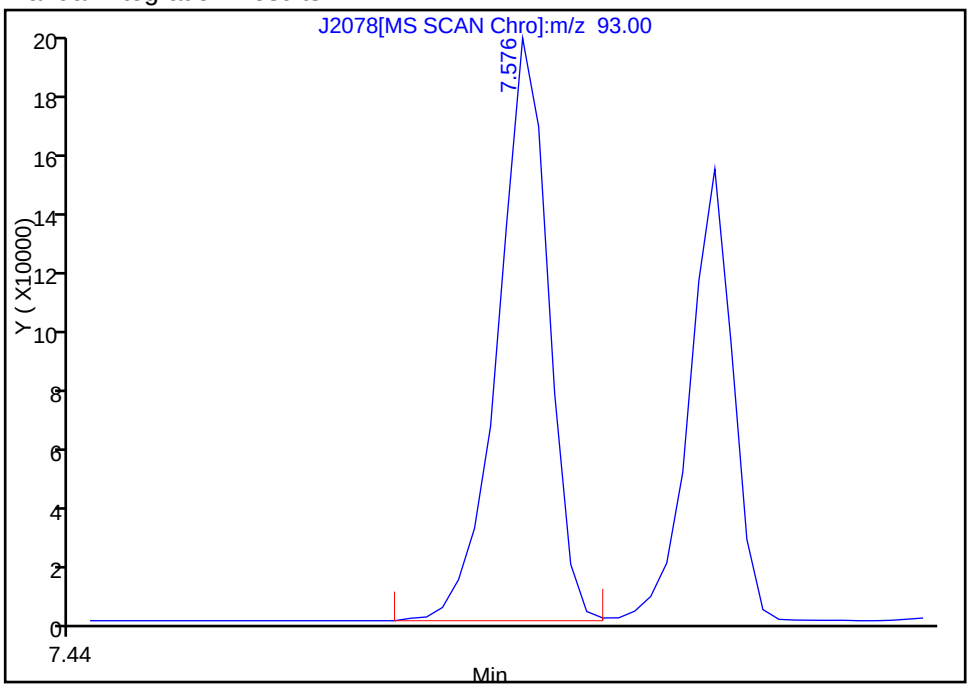
Processing Integration Results

RT: 7.63
Response: 138890
Amount: 6.032636



Manual Integration Results

RT: 7.58
Response: 208236
Amount: 10.261104



Reviewer: testerc, 22-Dec-2010 09:14:48
Audit Action: Assigned Compound ID
Audit Reason:

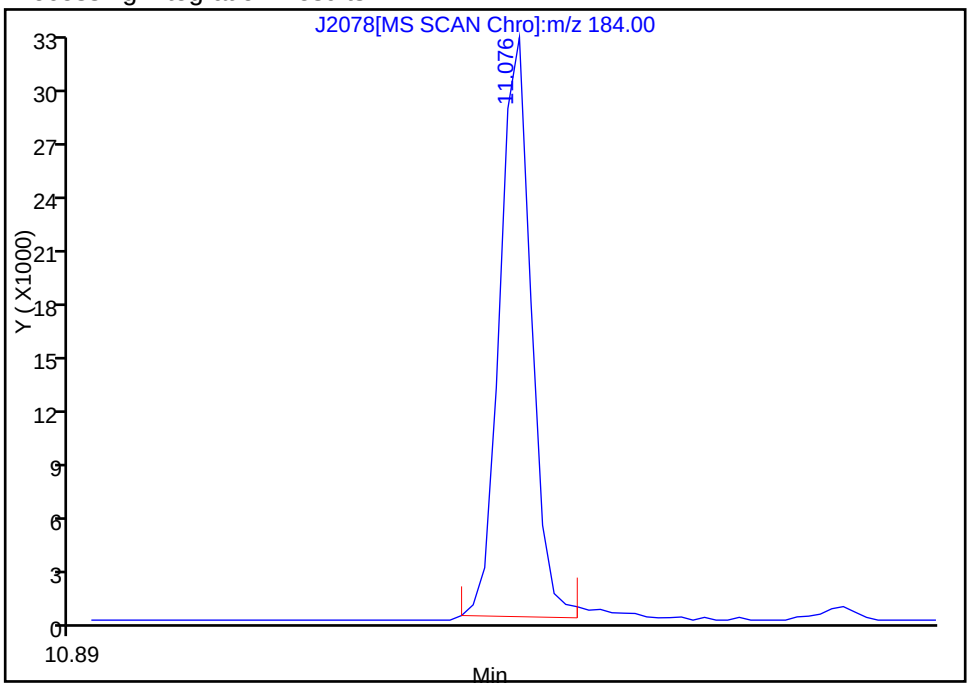
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2078.D		
Injection Date:	21-Dec-2010 17:27:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.07

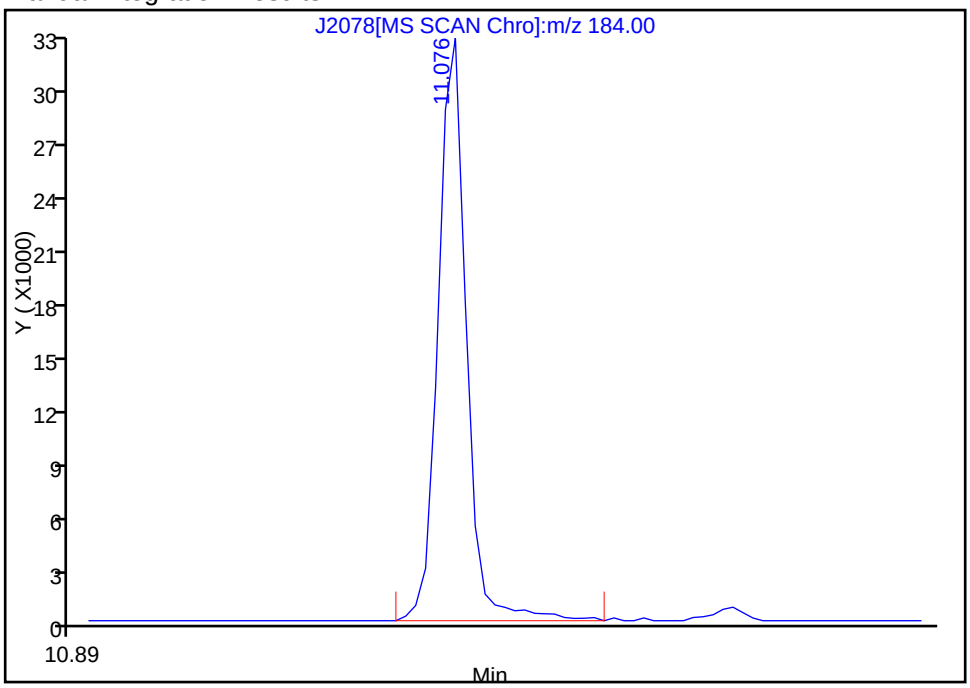
Processing Integration Results

RT: 11.08
Response: 29893
Amount: 10.566017



Manual Integration Results

RT: 11.08
Response: 31380
Amount: 9.428205



Reviewer: testerc, 22-Dec-2010 11:28:34
Audit Action: Manually Integrated
Audit Reason: Assign Peak

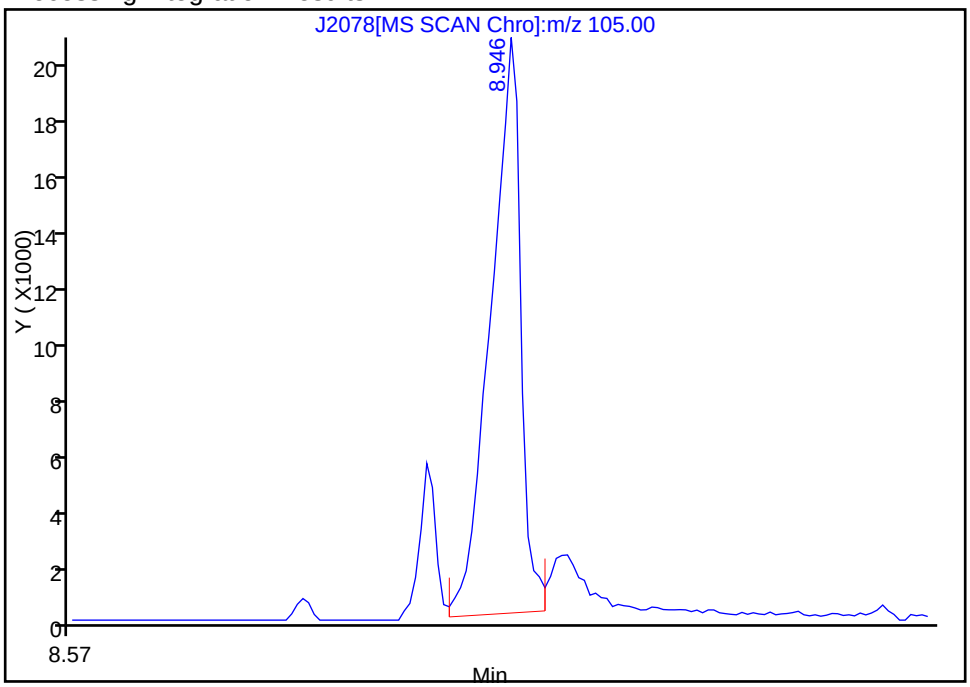
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2078.D		
Injection Date:	21-Dec-2010 17:27:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.93

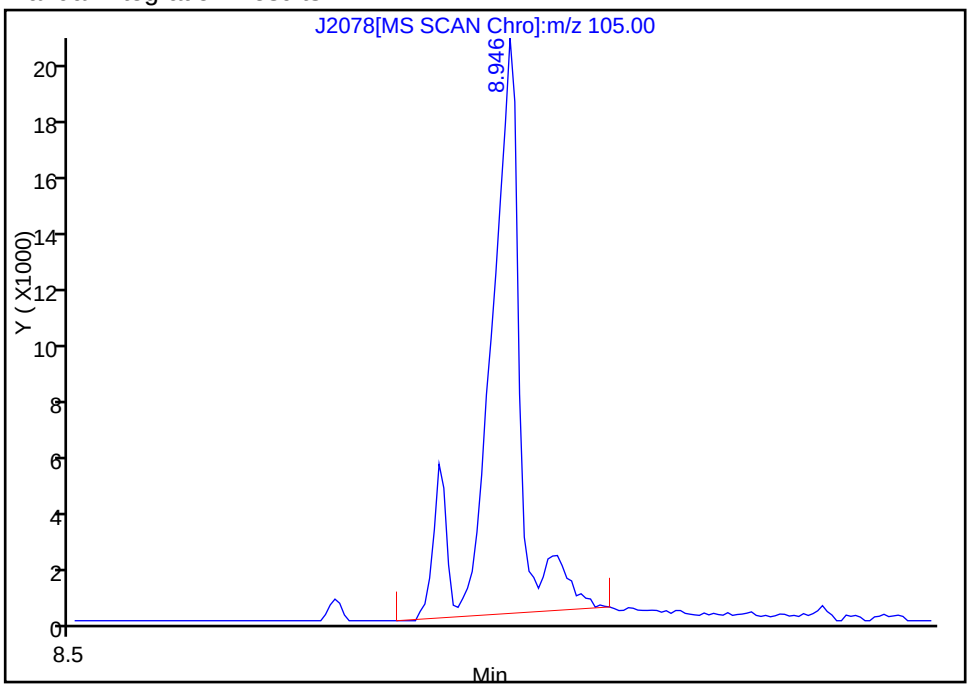
Processing Integration Results

RT: 8.95
Response: 35466
Amount: 8.244528



Manual Integration Results

RT: 8.95
Response: 43874
Amount: 9.536230



Reviewer: testerc, 22-Dec-2010 09:14:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2079.D
Lims ID: STD15 Client ID:
Inject. Date: 21-Dec-2010 18:00:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 11
Sample ID: STD15.0
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 9
Lims Batch ID: 67510 Lims Sample ID: 9
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:04 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:46:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.934	7.932	0.002	94	83369	4.00	
* 2 Naphthalene-d8	136	9.261	9.259	0.002	99	329137	4.00	
* 3 Acenaphthene-d10	164	11.045	11.043	0.002	92	180455	4.00	
* 4 Phenanthrene-d10	188	12.541	12.539	0.002	95	319085	4.00	
* 5 Chrysene-d12	240	15.142	15.140	0.002	77	177347	4.00	
* 6 Perylene-d12	264	16.364	16.362	0.002	80	55463	4.00	
$ 7 2-Fluorophenol	112	6.458	6.456	0.002	86	287215	15.4	
$ 8 Phenol-d5	99	7.520	7.514	0.006	89	322102	15.8	
$ 9 Nitrobenzene-d5	82	8.516	8.509	0.007	87	257370	15.5	
$ 10 2-Fluorobiphenyl	172	10.338	10.336	0.002	100	687610	14.8	
$ 11 2,4,6-Tribromophenol	330	11.839	11.832	0.007	91	64747	15.3	
$ 12 Terphenyl-d14	244	14.094	14.092	0.002	97	493381	15.7	
13 1,4-Dioxane	88	3.697	3.715	-0.018	96	90624	15.1	
14 N-Nitrosodimethylamine	42	4.376	4.378	-0.002	75	158230	15.6	
15 Pyridine	52	4.424	4.436	-0.012	82	187203	15.9	
16 Benzaldehyde	105	7.463	7.461	0.002	25	198948	15.3	
17 Phenol	94	7.535	7.528	0.007	99	306076	15.7	
18 Aniline	93	7.583	7.576	0.007	50	358957	15.6	
19 Bis(2-chloroethyl)ether	93	7.636	7.634	0.002	96	241844	15.3	
20 2-Chlorophenol	128	7.713	7.711	0.002	90	340736	15.8	
21 1,3-Dichlorobenzene	146	7.876	7.874	0.002	99	367169	15.2	
22 1,4-Dichlorobenzene	146	7.953	7.951	0.002	96	377567	15.2	
23 Benzyl alcohol	79	8.069	8.062	0.007	94	193973	16.2	
24 1,2-Dichlorobenzene	146	8.117	8.115	0.002	100	355652	15.4	
25 2-Methylphenol	108	8.174	8.168	0.006	95	245768	15.8	
26 2,2'-oxybis[1-chloropropane]	45	8.203	8.201	0.002	88	335497	15.1	
27 3 & 4 Methylphenol	107	8.333	8.326	0.007	95	283742	15.7	
28 N-Nitrosodi-n-propylamine	42	8.343	8.336	0.007	95	137974	16.1	
29 Acetophenone	105	8.352	8.345	0.007	93	379642	15.6	
30 Hexachloroethane	117	8.473	8.475	-0.002	98	138199	15.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.535	8.533	0.002	88	235253	15.0	
32 Isophorone	82	8.771	8.764	0.007	94	428882	15.1	
35 2-Nitrophenol	139	8.862	8.860	0.002	89	182443	16.9	
33 2,4-Dimethylphenol	107	8.877	8.874	0.003	91	269339	15.5	
34 Benzoic acid	105	8.973	8.927	0.046	6	129323	15.1	M
36 Bis(2-chloroethoxy)methane	93	8.973	8.971	0.002	98	280394	15.1	
37 2,4-Dichlorophenol	162	9.103	9.100	0.003	91	247878	15.2	
38 1,2,4-Trichlorobenzene	180	9.199	9.197	0.002	96	292505	15.2	
40 Naphthalene	128	9.285	9.283	0.002	98	959091	15.0	
41 4-Chloroaniline	127	9.324	9.317	0.007	83	394504	15.8	
42 Hexachlorobutadiene	225	9.401	9.399	0.002	97	150023	15.9	
43 Caprolactam	55	9.684	9.653	0.031	84	95079	15.0	A
44 4-Chloro-3-methylphenol	107	9.795	9.783	0.012	92	245529	16.2	
45 2-Methylnaphthalene	142	9.983	9.980	0.003	89	612778	15.2	
46 1-Methylnaphthalene	142	10.088	10.081	0.007	92	613599	15.3	
47 Hexachlorocyclopentadiene	237	10.141	10.139	0.002	73	140218	17.2	
48 1,2,4,5-Tetrachlorobenzene	216	10.156	10.154	0.002	97	253999	15.6	
49 2,4,6-Trichlorophenol	196	10.257	10.255	0.002	89	174278	16.8	
50 2,4,5-Trichlorophenol	196	10.300	10.293	0.007	94	174275	16.7	
51 1,1'-Biphenyl	154	10.449	10.442	0.007	90	765850	14.9	
52 2-Chloronaphthalene	162	10.483	10.476	0.007	98	720666	15.4	
53 Phenyl ether	170	10.540	10.538	0.002	95	398771	15.5	
54 2-Nitroaniline	138	10.569	10.562	0.007	80	208287	16.4	
56 Dimethyl phthalate	163	10.728	10.721	0.007	100	676130	15.2	
57 2,6-Dinitrotoluene	165	10.800	10.793	0.007	87	164553	16.0	
58 Acenaphthylene	152	10.906	10.904	0.002	98	989099	15.6	
59 3-Nitroaniline	138	10.978	10.971	0.007	90	168247	16.3	
61 2,4-Dinitrophenol	184	11.079	11.072	0.007	99	73703	15.1	M
62 Acenaphthene	153	11.079	11.077	0.002	91	611843	15.1	
60 4-Nitrophenol	139	11.113	11.101	0.012	50	121686	16.3	
63 2,4-Dinitrotoluene	165	11.209	11.202	0.007	95	214207	16.5	
64 Dibenzofuran	168	11.247	11.245	0.002	93	806880	15.1	
65 2,3,4,6-Tetrachlorophenol	232	11.319	11.317	0.002	0	130726	15.7	
66 Diethyl phthalate	149	11.420	11.418	0.002	98	743160	15.7	
67 4-Chlorophenyl phenyl ether	204	11.565	11.563	0.002	92	312654	15.5	
68 4-Nitroaniline	138	11.598	11.587	0.011	48	164089	17.5	
70 Fluorene	166	11.594	11.591	0.003	82	674776	15.4	
69 4,6-Dinitro-2-methylphenol	198	11.622	11.615	0.007	77	102219	16.4	
75 N-Nitrosodiphenylamine	169	11.685	11.678	0.007	50	568495	17.7	
71 Diphenylamine	169	11.685	11.678	0.007	0	568495	15.1	
73 1,2-Diphenylhydrazine	77	11.728	11.726	0.002	1	774395	15.1	
72 Azobenzene	77	11.728	11.726	0.002	92	774395	15.1	
74 Benzophenone	105	11.743	11.736	0.007	93	621724	15.1	
76 4-Bromophenyl phenyl ether	248	12.065	12.058	0.007	57	160773	15.5	
78 Hexachlorobenzene	284	12.161	12.154	0.007	89	155854	15.5	
77 Atrazine	200	12.190	12.183	0.007	64	175326	15.5	
79 Pentachlorophenol	266	12.344	12.337	0.007	81	84689	16.3	
80 Pentachloronitrobenzene	237	12.363	12.356	0.007	80	78821	16.0	
81 Phenanthrene	178	12.570	12.563	0.007	98	920536	14.7	
82 Anthracene	178	12.623	12.616	0.007	97	913556	15.2	
83 Carbazole	167	12.762	12.760	0.002	82	762199	15.6	
84 Di-n-butyl phthalate	149	13.046	13.044	0.002	100	1169792	14.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.762	13.760	0.002	98	834215	14.9	
87 Benzidine	184	13.854	13.852	0.002	98	289968	18.3	
88 Pyrene	202	13.993	13.991	0.002	98	815692	15.6	
90 Butyl benzyl phthalate	149	14.522	14.520	0.002	91	414954	15.4	
91 Bis(2-ethylhexyl) phthalate	149	15.032	15.030	0.002	91	508333	15.2	
92 3,3'-Dichlorobenzidine	252	15.070	15.068	0.002	66	140199	16.2	
93 Benzo[a]anthracene	228	15.133	15.126	0.007	98	548931	15.4	
94 Chrysene	228	15.171	15.164	0.007	97	499648	15.2	
95 Di-n-octyl phthalate	149	15.566	15.563	0.003	99	545956	15.6	
97 Benzo[b]fluoranthene	252	16.003	15.996	0.007	97	255911	16.4	
98 Benzo[k]fluoranthene	252	16.022	16.020	0.002	94	226183	16.0	
99 Benzo[a]pyrene	252	16.311	16.309	0.002	77	182318	16.4	
102 Indeno[1,2,3-cd]pyrene	276	17.672	17.665	0.007	91	134535	15.4	
100 Dibenz(a,h)anthracene	278	17.672	17.670	0.002	70	109354	15.6	
101 Benzo[g,h,i]perylene	276	18.081	18.074	0.007	93	109207	15.7	

QC Flag Legend

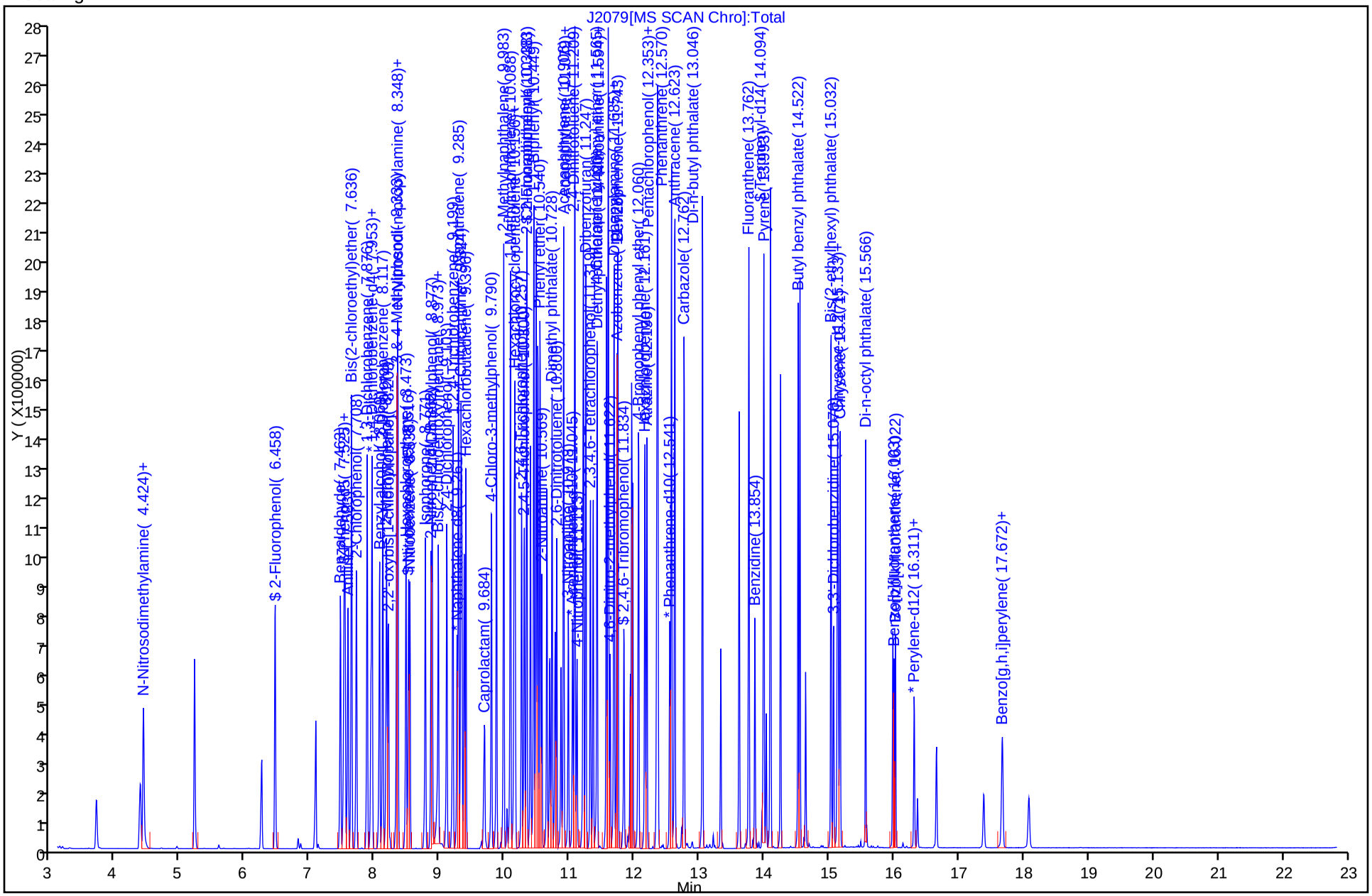
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 22-Dec-2010 14:46:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2079.D

Injection Date:	21-Dec-2010 18:00:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 22-Dec-2010 14:46:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

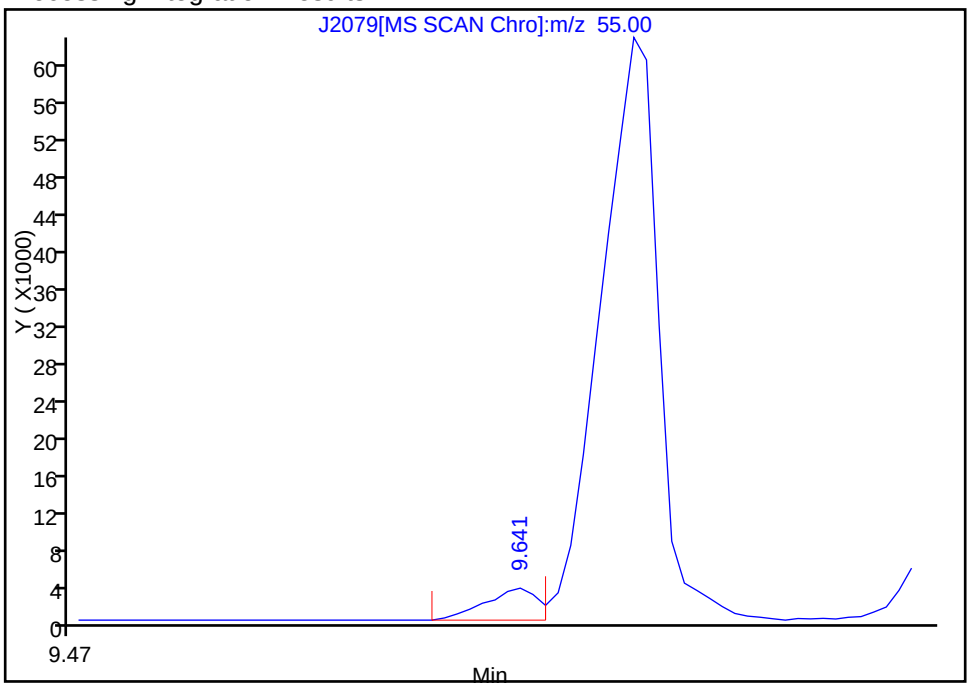
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2079.D		
Injection Date:	21-Dec-2010 18:00:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	2.00 ul

43 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 9.65

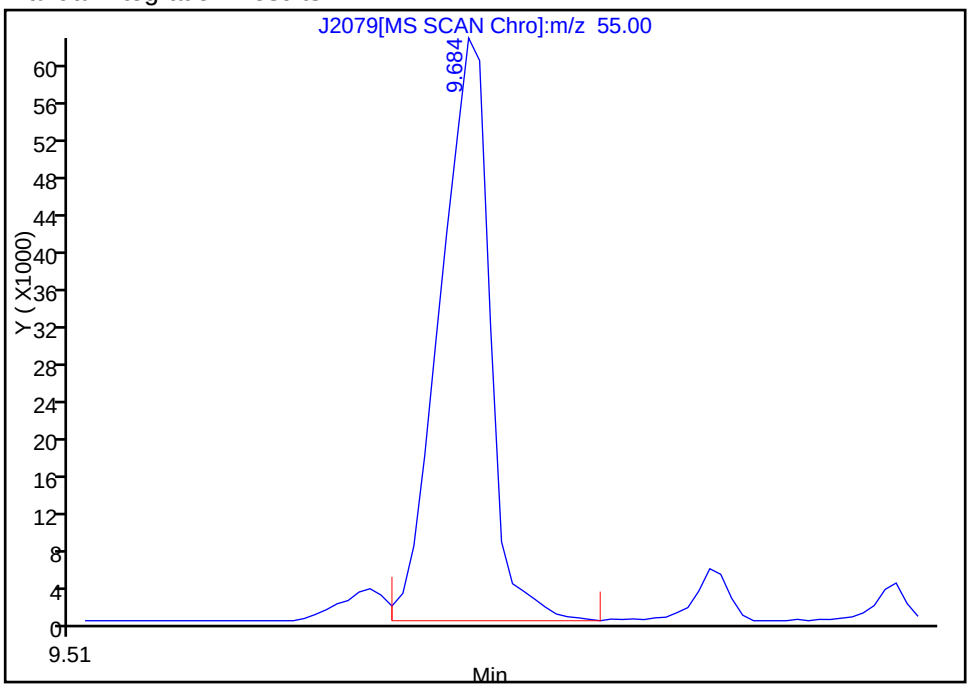
Processing Integration Results

RT: 9.64
Response: 4879
Amount: 1.032819



Manual Integration Results

RT: 9.68
Response: 95079
Amount: 14.984195



Reviewer: testerc, 22-Dec-2010 09:17:18
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 22-Dec-2010 14:46:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

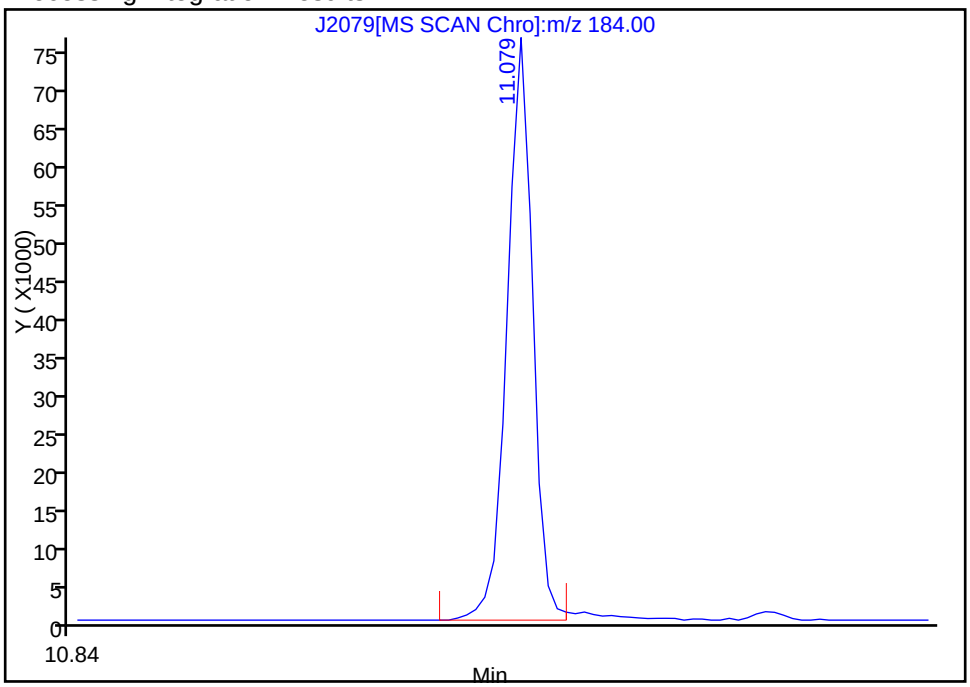
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2079.D		
Injection Date:	21-Dec-2010 18:00:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.07

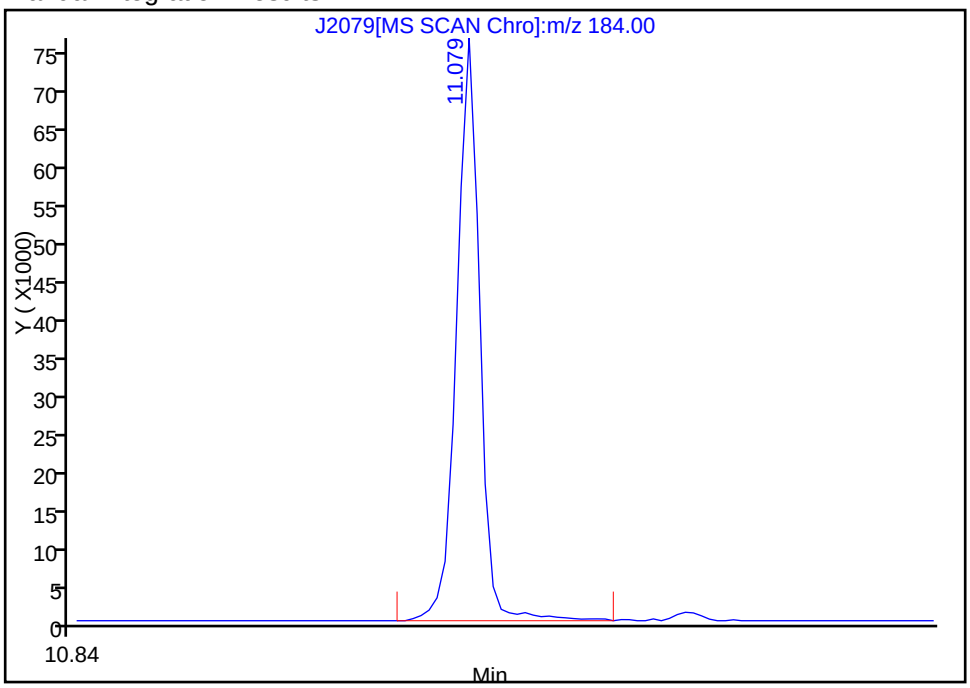
Processing Integration Results

RT: 11.08
Response: 72026
Amount: 21.936574



Manual Integration Results

RT: 11.08
Response: 73703
Amount: 15.053177



Reviewer: testerc, 22-Dec-2010 11:28:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

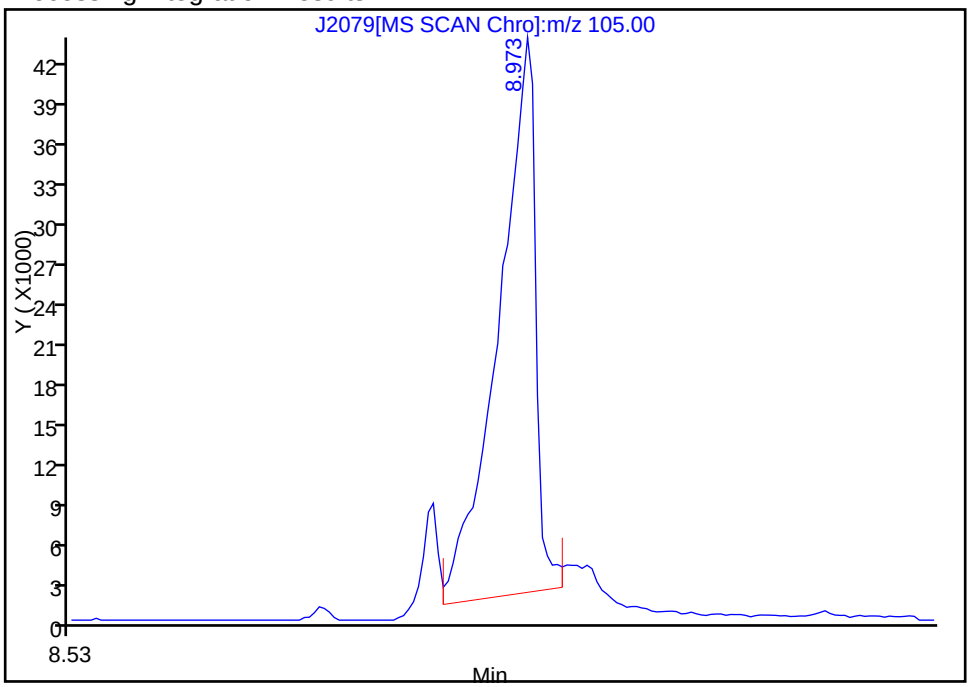
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2079.D		
Injection Date:	21-Dec-2010 18:00:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.93

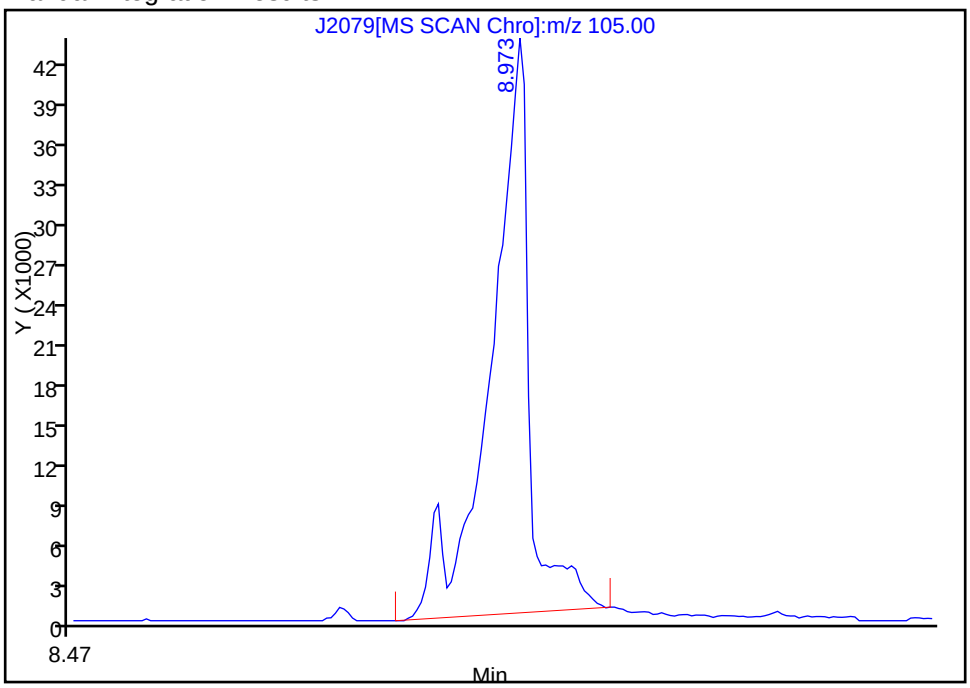
Processing Integration Results

RT: 8.97
Response: 103665
Amount: 14.973723



Manual Integration Results

RT: 8.97
Response: 129323
Amount: 15.050276



Reviewer: testerc, 22-Dec-2010 09:17:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Lims ID: STD20 Client ID:
Inject. Date: 21-Dec-2010 18:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD20.0
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 10
Lims Batch ID: 67510 Lims Sample ID: 10
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:46:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.936	7.932	0.004	93	74859	4.00	
* 2 Naphthalene-d8	136	9.263	9.259	0.004	99	298412	4.00	
* 3 Acenaphthene-d10	164	11.047	11.043	0.004	91	164674	4.00	
* 4 Phenanthrene-d10	188	12.543	12.539	0.004	95	285056	4.00	
* 5 Chrysene-d12	240	15.144	15.140	0.004	78	158890	4.00	
* 6 Perylene-d12	264	16.366	16.362	0.004	95	53144	4.00	
$ 7 2-Fluorophenol	112	6.455	6.456	-0.001	86	342278	20.1	
$ 8 Phenol-d5	99	7.522	7.514	0.008	90	385640	21.0	
$ 9 Nitrobenzene-d5	82	8.518	8.509	0.009	87	315163	20.9	
$ 10 2-Fluorobiphenyl	172	10.340	10.336	0.004	100	867607	20.5	
$ 11 2,4,6-Tribromophenol	330	11.841	11.832	0.009	91	77672	20.3	
$ 12 Terphenyl-d14	244	14.096	14.092	0.004	97	573828	20.3	
13 1,4-Dioxane	88	3.680	3.715	-0.035	96	108536	20.1	
14 N-Nitrosodimethylamine	42	4.368	4.378	-0.010	76	190203	20.9	
15 Pyridine	52	4.411	4.436	-0.025	81	223656	21.2	
16 Benzaldehyde	105	7.465	7.461	0.004	39	245751	21.0	
17 Phenol	94	7.537	7.528	0.009	99	368882	21.1	
18 Aniline	93	7.580	7.576	0.004	49	431555	20.9	
19 Bis(2-chloroethyl)ether	93	7.638	7.634	0.004	96	290657	20.5	
20 2-Chlorophenol	128	7.710	7.711	-0.001	92	406654	21.0	
21 1,3-Dichlorobenzene	146	7.878	7.874	0.004	98	444688	20.4	
22 1,4-Dichlorobenzene	146	7.950	7.951	-0.001	95	455807	20.4	
23 Benzyl alcohol	79	8.070	8.062	0.008	95	232603	21.6	
24 1,2-Dichlorobenzene	146	8.119	8.115	0.004	100	419482	20.3	
25 2-Methylphenol	108	8.176	8.168	0.008	96	288253	20.6	
26 2,2'-oxybis[1-chloropropane]	45	8.200	8.201	-0.001	88	398908	20.1	
27 3 & 4 Methylphenol	107	8.335	8.326	0.009	96	342949	21.2	
28 N-Nitrosodi-n-propylamine	42	8.349	8.336	0.013	76	167316	21.8	
29 Acetophenone	105	8.354	8.345	0.009	92	457723	21.0	
30 Hexachloroethane	117	8.474	8.475	-0.001	98	162764	20.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.537	8.533	0.004	88	284584	20.0	
32 Isophorone	82	8.777	8.764	0.013	95	520290	20.1	
35 2-Nitrophenol	139	8.864	8.860	0.004	88	219890	22.5	
33 2,4-Dimethylphenol	107	8.883	8.874	0.009	90	325646	20.7	
34 Benzoic acid	105	8.975	8.927	0.048	83	134499	16.2	M
36 Bis(2-chloroethoxy)methane	93	8.975	8.971	0.004	98	339483	20.1	
37 2,4-Dichlorophenol	162	9.104	9.100	0.004	91	301843	20.4	
38 1,2,4-Trichlorobenzene	180	9.201	9.197	0.004	96	360693	20.7	
40 Naphthalene	128	9.287	9.283	0.004	98	1159429	20.0	
41 4-Chloroaniline	127	9.326	9.317	0.009	83	478588	21.2	
42 Hexachlorobutadiene	225	9.398	9.399	-0.001	96	183344	21.5	
43 Caprolactam	55	9.691	9.653	0.038	82	115573	20.0	
44 4-Chloro-3-methylphenol	107	9.797	9.783	0.014	93	299563	21.9	
45 2-Methylnaphthalene	142	9.984	9.980	0.004	89	746474	20.5	
46 1-Methylnaphthalene	142	10.090	10.081	0.009	92	749733	20.6	
47 Hexachlorocyclopentadiene	237	10.143	10.139	0.004	89	141494	19.0	
48 1,2,4,5-Tetrachlorobenzene	216	10.157	10.154	0.003	97	314469	21.3	
49 2,4,6-Trichlorophenol	196	10.258	10.255	0.003	89	212473	22.5	
50 2,4,5-Trichlorophenol	196	10.302	10.293	0.009	95	215540	22.6	
51 1,1'-Biphenyl	154	10.451	10.442	0.009	90	940805	20.0	
52 2-Chloronaphthalene	162	10.484	10.476	0.008	98	867560	20.3	
53 Phenyl ether	170	10.542	10.538	0.004	95	485286	20.8	
54 2-Nitroaniline	138	10.571	10.562	0.009	80	256695	22.2	
56 Dimethyl phthalate	163	10.730	10.721	0.009	100	826499	20.4	
57 2,6-Dinitrotoluene	165	10.802	10.793	0.009	88	198815	21.1	
58 Acenaphthylene	152	10.908	10.904	0.004	98	1200638	20.7	
59 3-Nitroaniline	138	10.980	10.971	0.009	90	201551	21.4	
61 2,4-Dinitrophenol	184	11.081	11.072	0.009	99	75361	16.2	M
62 Acenaphthene	153	11.081	11.077	0.004	91	734112	19.9	
60 4-Nitrophenol	139	11.114	11.101	0.013	49	131914	19.2	
63 2,4-Dinitrotoluene	165	11.211	11.202	0.009	95	261638	22.1	
64 Dibenzofuran	168	11.249	11.245	0.004	93	988663	20.3	
65 2,3,4,6-Tetrachlorophenol	232	11.321	11.317	0.004	0	151619	19.8	
66 Diethyl phthalate	149	11.427	11.418	0.009	98	894490	20.7	
67 4-Chlorophenyl phenyl ether	204	11.566	11.563	0.003	92	380261	20.6	
68 4-Nitroaniline	138	11.600	11.587	0.013	46	186397	21.8	
70 Fluorene	166	11.595	11.591	0.004	81	812528	20.4	
69 4,6-Dinitro-2-methylphenol	198	11.624	11.615	0.009	86	108603	19.4	
75 N-Nitrosodiphenylamine	169	11.687	11.678	0.009	50	690220	24.0	
71 Diphenylamine	169	11.687	11.678	0.009	0	690220	20.5	
73 1,2-Diphenylhydrazine	77	11.730	11.726	0.004	1	925359	20.2	
72 Azobenzene	77	11.730	11.726	0.004	91	925359	20.2	
74 Benzophenone	105	11.744	11.736	0.008	90	747217	20.4	
76 4-Bromophenyl phenyl ether	248	12.067	12.058	0.009	56	195430	21.1	
78 Hexachlorobenzene	284	12.163	12.154	0.009	90	194465	21.6	
77 Atrazine	200	12.196	12.183	0.013	61	213059	21.1	
79 Pentachlorophenol	266	12.345	12.337	0.008	79	96093	20.6	
80 Pentachloronitrobenzene	237	12.360	12.356	0.004	53	96710	22.0	
81 Phenanthrene	178	12.572	12.563	0.009	98	1098413	19.7	
82 Anthracene	178	12.624	12.616	0.008	97	1108773	20.6	
83 Carbazole	167	12.764	12.760	0.004	82	856838	19.6	
84 Di-n-butyl phthalate	149	13.048	13.044	0.004	100	1407176	19.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.764	13.760	0.004	98	955235	19.2	
87 Benzidine	184	13.855	13.852	0.003	98	321772	22.7	
88 Pyrene	202	13.995	13.991	0.004	98	930760	19.8	
90 Butyl benzyl phthalate	149	14.524	14.520	0.004	91	480002	19.9	
91 Bis(2-ethylhexyl) phthalate	149	15.034	15.030	0.004	91	585502	19.5	
92 3,3'-Dichlorobenzidine	252	15.072	15.068	0.004	60	172668	22.3	
93 Benzo[a]anthracene	228	15.135	15.126	0.009	99	647628	20.3	
94 Chrysene	228	15.173	15.164	0.009	97	588978	20.0	
95 Di-n-octyl phthalate	149	15.563	15.563	0.0	100	645364	19.2	
97 Benzo[b]fluoranthene	252	16.005	15.996	0.009	98	314613	21.1	
98 Benzo[k]fluoranthene	252	16.029	16.020	0.009	98	289920	21.4	
99 Benzo[a]pyrene	252	16.318	16.309	0.009	74	235603	22.1	
102 Indeno[1,2,3-cd]pyrene	276	17.678	17.665	0.013	93	169315	20.1	
100 Dibenz(a,h)anthracene	278	17.678	17.670	0.008	74	134546	19.9	
101 Benzo[g,h,i]perylene	276	18.087	18.074	0.013	94	132190	19.8	

QC Flag Legend

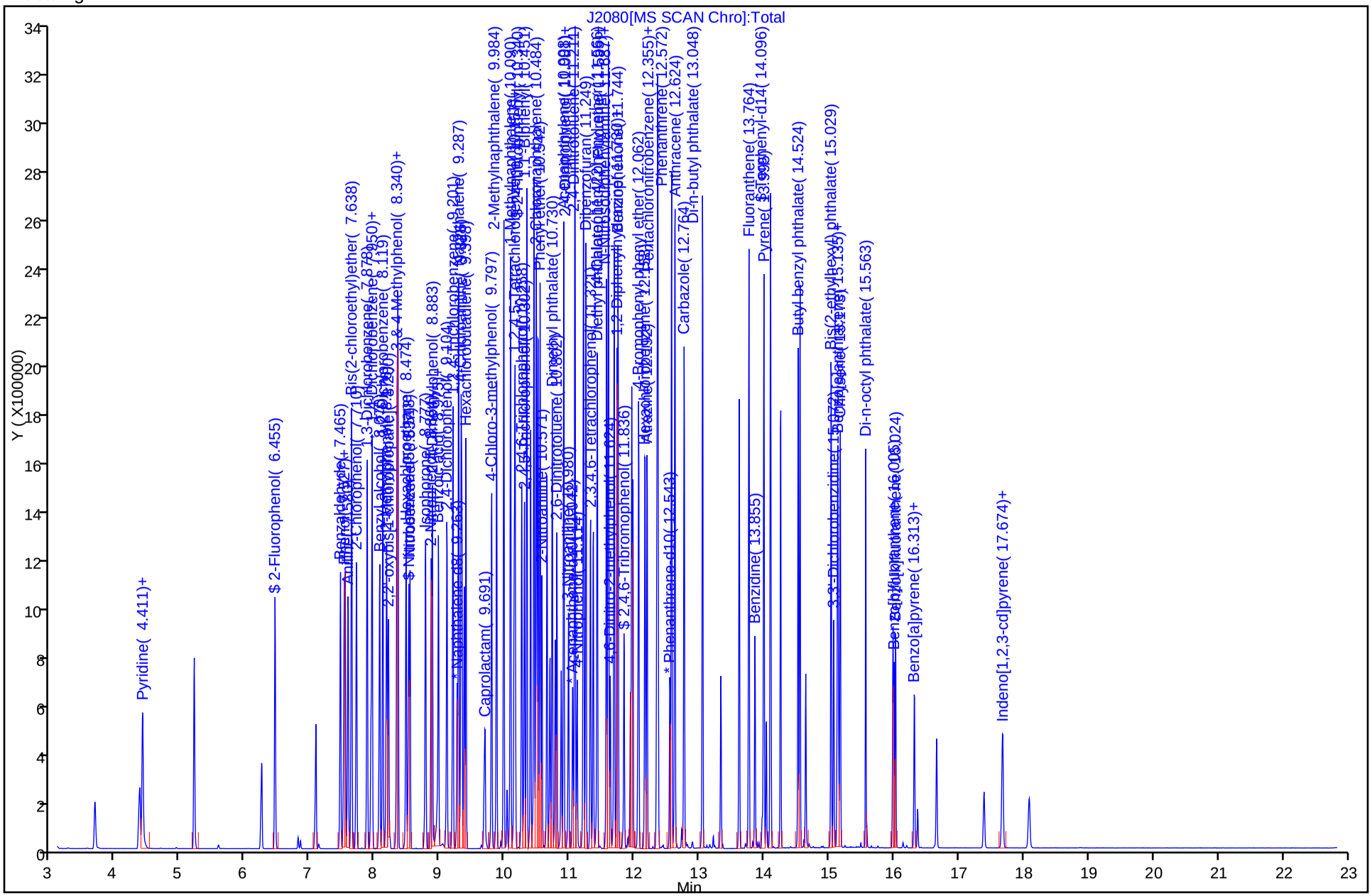
Review Flags
M - Manually Integrated

Report Date: 22-Dec-2010 14:46:17 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D

Injection Date:	21-Dec-2010 18:32:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	10
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 22-Dec-2010 14:46:17 Chrom Revision: 1.2 29-Oct-2010 14:13:24

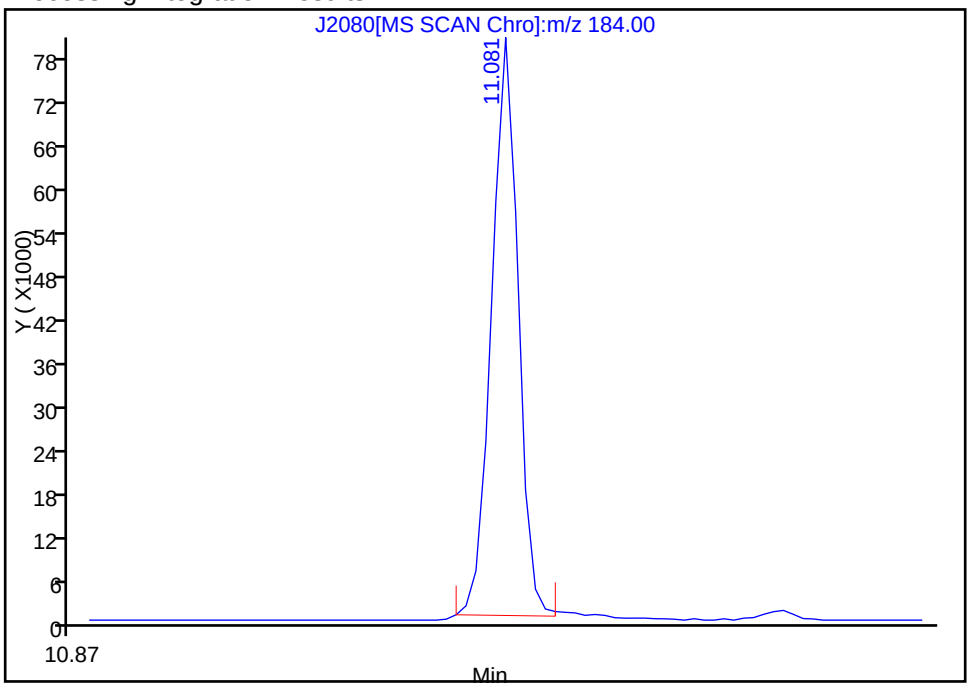
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D		
Injection Date:	21-Dec-2010 18:32:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	10
Operator ID:	CT	Injection Vol:	2.00 ul

61 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.07

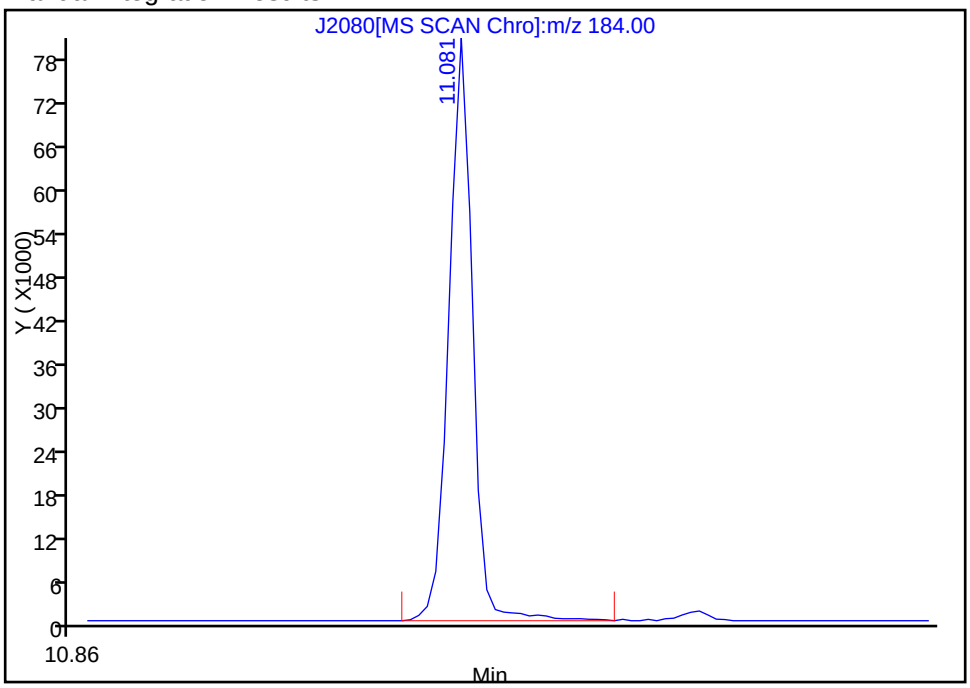
Processing Integration Results

RT: 11.08
Response: 71572
Amount: 23.771638



Manual Integration Results

RT: 11.08
Response: 75361
Amount: 16.170156



Reviewer: testerc, 22-Dec-2010 09:20:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

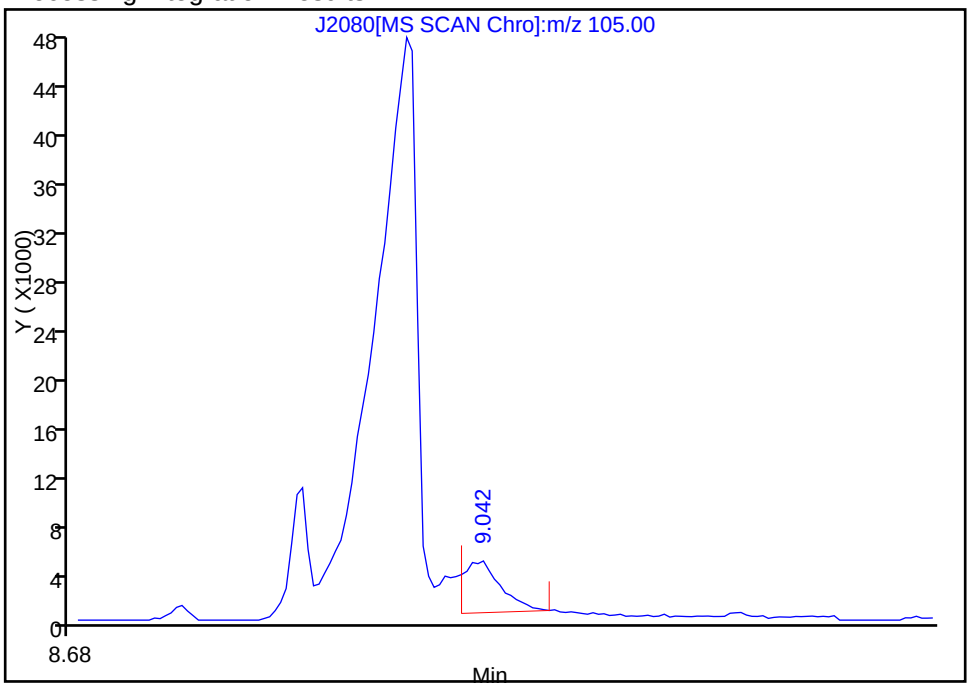
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D		
Injection Date:	21-Dec-2010 18:32:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	10
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.93

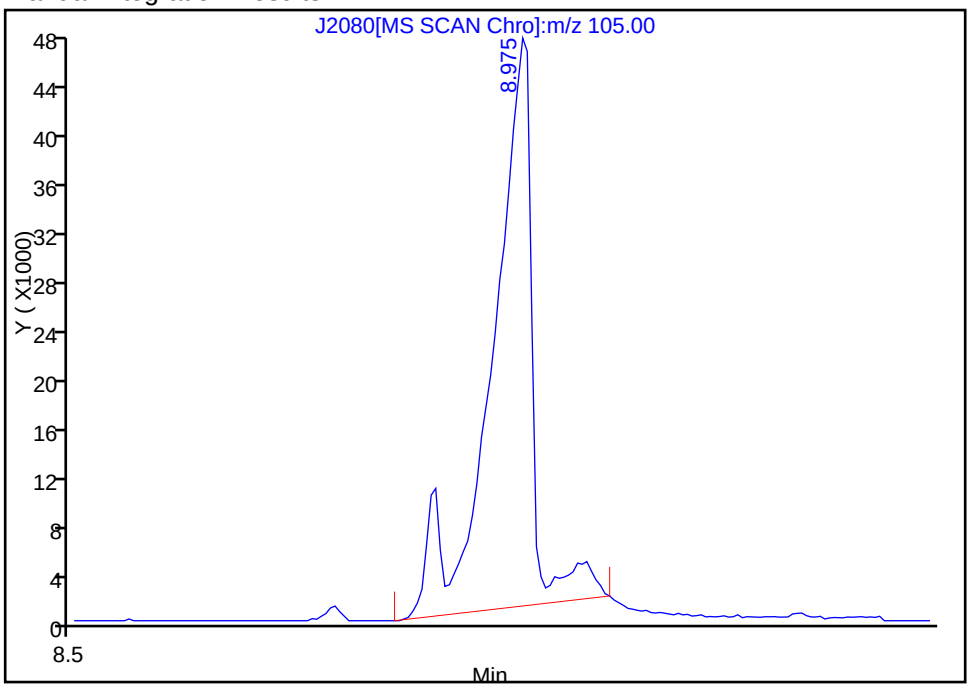
Processing Integration Results

RT: 9.04
Response: 9430
Amount: 2.436710



Manual Integration Results

RT: 8.97
Response: 134499
Amount: 16.157479



Reviewer: testerc, 22-Dec-2010 09:19:17
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67459/13 Calibration Date: 12/20/2010 22:26

Instrument ID: Inst. B Calib Start Date: 12/20/2010 15:53

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/20/2010 20:38

Lab File ID: B13788.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3342	0.3298		4930	5000	-1.3	20.0
N-Nitrosodimethylamine	Ave	0.2876	0.2842		4940	5000	-1.2	20.0
Pyridine	Lin		0.2696		4900	5000	-2.0	20.0
Benzaldehyde	Ave	0.5998	0.6052		5040	5000	0.9	20.0
Phenol	Ave	0.8647	0.8799	0.8000	5090	5000	1.8	20.0
Aniline	Ave	0.9245	1.014		5480	5000	9.7	20.0
Bis(2-chloroethyl)ether	Ave	0.8187	0.7963	0.7000	4860	5000	-2.7	20.0
2-Chlorophenol	Ave	0.9560	0.9549	0.8000	4990	5000	-0.1	20.0
1,3-Dichlorobenzene	Ave	1.186	1.159		4880	5000	-2.3	20.0
1,4-Dichlorobenzene	Ave	1.179	1.140		4830	5000	-3.3	20.0
Benzyl alcohol	Ave	0.5035	0.5132		5100	5000	1.9	20.0
1,2-Dichlorobenzene	Ave	1.136	1.112		4890	5000	-2.2	20.0
2-Methylphenol	Ave	0.7345	0.7214	0.7000	4910	5000	-1.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	0.7076	0.6950	0.0100	4910	5000	-1.8	20.0
3 & 4 Methylphenol	Ave	0.8061	0.8081	0.6000	5010	5000	0.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.2533	0.2538		5010	5000	0.2	20.0
Acetophenone	Ave	1.059	1.057	0.0100	4990	5000	-0.1	20.0
Hexachloroethane	Ave	0.4166	0.3991	0.3000	4790	5000	-4.2	20.0
Nitrobenzene	Lin1		0.1880*	0.2000	5110	5000	2.2	20.0
Isophorone	Lin1		0.3595*	0.4000	4870	5000	-2.6	20.0
2,4-Dimethylphenol	Ave	0.2021	0.2015	0.2000	4990	5000	-0.3	20.0
2-Nitrophenol	Ave	0.1387	0.1404	0.1000	5060	5000	1.2	20.0
Benzoic acid	Qua		0.2981		5150	5000	3.0	20.0
Bis(2-chloroethoxy)methane	Lin1		0.2437*	0.3000	5020	5000	0.4	20.0
2,4-Dichlorophenol	Lin1		0.1917*	0.2000	4940	5000	-1.1	20.0
1,2,4-Trichlorobenzene	Ave	0.2556	0.2579		5040	5000	0.9	20.0
Naphthalene	Ave	0.7637	0.7596	0.7000	4970	5000	-0.5	20.0
4-Chloroaniline	Ave	0.2121	0.2293	0.0100	5410	5000	8.1	20.0
Hexachlorobutadiene	Ave	0.1339	0.1374	0.0100	5130	5000	2.6	20.0
Caprolactam	Lin		0.0465		4800	5000	-4.0	20.0
4-Chloro-3-methylphenol	Ave	0.1598	0.1622		5080	5000	1.5	20.0
2-Methylnaphthalene	Ave	0.4769	0.4675	0.4000	4900	5000	-2.0	20.0
1-Methylnaphthalene	Ave	0.5005	0.4930		4920	5000	-1.5	20.0
Hexachlorocyclopentadiene	Ave	0.1936	0.1869		4830	5000	-3.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2172	0.2117		4880	5000	-2.5	20.0
2,4,6-Trichlorophenol	Ave	0.2375	0.2415	0.2000	5080	5000	1.7	20.0
2,4,5-Trichlorophenol	Ave	0.2355	0.2415	0.2000	5130	5000	2.5	20.0
1,1'-Biphenyl	Ave	1.065	1.099		5160	5000	3.1	20.0
2-Chloronaphthalene	Ave	0.9665	1.017		5260	5000	5.2	20.0
Diphenyl oxide	Ave	0.3301	0.3293		4990	5000	-0.2	20.0
2-Nitroaniline	Ave	0.2060	0.2191		5320	5000	6.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67459/13 Calibration Date: 12/20/2010 22:26

Instrument ID: Inst. B Calib Start Date: 12/20/2010 15:53

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/20/2010 20:38

Lab File ID: B13788.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	0.9521	0.9742	0.0100	5120	5000	2.3	20.0
Acenaphthylene	Ave	1.301	1.325	0.9000	5090	5000	1.9	20.0
3-Nitroaniline	Ave	0.1415	0.1559		5510	5000	10.2	20.0
2,4-Dinitrophenol	QuaF		0.0694	0.0100	4500	5000	-10.1	20.0
Acenaphthene	Ave	0.9109	0.9094	0.9000	4990	5000	-0.2	20.0
4-Nitrophenol	Lin		0.1319	0.0100	4410	5000	-11.9	20.0
2,4-Dinitrotoluene	Lin		0.2303	0.2000	4760	5000	-4.8	20.0
2,6-Dinitrotoluene	Ave	0.2038	0.2303	0.2000	5650	5000	13.0	20.0
Dibenzofuran	Ave	1.076	1.074	0.8000	4990	5000	-0.1	20.0
2,3,4,6-Tetrachlorophenol	Lin		0.1584		4580	5000	-8.3	20.0
Diethyl phthalate	Ave	0.9726	0.9548	0.0100	4910	5000	-1.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.4157	0.4215		5070	5000	1.4	20.0
4-Nitroaniline	Lin		0.1250		4670	5000	-6.7	20.0
Fluorene	Lin1		0.8691*	0.9000	4770	5000	-4.5	20.0
4,6-Dinitro-2-methylphenol	Lin		0.0694		4460	5000	-10.7	20.0
Diphenylamine	Ave	0.4667	0.4928		5280	5000	5.6	20.0
N-Nitrosodiphenylamine	Ave	0.3989	0.4212		6180	5850	5.6	20.0
1,2-Diphenylhydrazine	Ave	0.6250	0.6715		5370	5000	7.5	20.0
Azobenzene	Ave	0.6245	0.6674		5340	5000	6.9	20.0
Benzophenone	Ave	0.4908	0.5197		5290	5000	5.9	20.0
4-Bromophenyl phenyl ether	Ave	0.1453	0.1472	0.1000	5060	5000	1.3	20.0
Atrazine	Ave	0.1391	0.1429		5130	5000	2.7	20.0
Hexachlorobenzene	Ave	0.1570	0.1552	0.1000	4940	5000	-1.1	20.0
Pentachlorophenol	Lin		0.0743	0.0500	4660	5000	-6.8	20.0
Pentachloronitrobenzene	Ave	0.0634	0.0679		5350	5000	7.0	20.0
Phenanthrene	Ave	0.7695	0.7520	0.7000	4890	5000	-2.3	20.0
Anthracene	Ave	0.7390	0.7409	0.7000	5010	5000	0.3	20.0
Carbazole	Ave	0.5628	0.5952		5290	5000	5.7	20.0
Di-n-butyl phthalate	Ave	1.000	0.9847	0.0100	4920	5000	-1.5	20.0
Fluoranthene	Ave	0.7784	0.7604	0.6000	4880	5000	-2.3	20.0
Benzidine	Ave	0.1226	0.1454		5930	5000	18.6	20.0
Pyrene	Ave	0.9431	0.9815	0.6000	5200	5000	4.1	20.0
Butyl benzyl phthalate	Ave	0.4914	0.5186	0.0100	5280	5000	5.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6708	0.6974	0.0100	5200	5000	4.0	20.0
3,3'-Dichlorobenzidine	Ave	0.1761	0.2098	0.0100	5960	5000	19.1	20.0
Benzo[a]anthracene	Lin1		0.7602*	0.8000	4940	5000	-1.3	20.0
Chrysene	Ave	0.7462	0.7580	0.7000	5080	5000	1.6	20.0
Di-n-octyl phthalate	Qua		1.482	0.0100	5620	5000	12.5	20.0
Benzo[b]fluoranthene	Ave	1.037	1.087	0.7000	5240	5000	4.9	20.0
Benzo[k]fluoranthene	Ave	1.002	1.005	0.7000	5020	5000	0.4	20.0
Benzo[a]pyrene	Ave	0.8359	0.8401	0.7000	5030	5000	0.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67459/13 Calibration Date: 12/20/2010 22:26

Instrument ID: Inst. B Calib Start Date: 12/20/2010 15:53

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/20/2010 20:38

Lab File ID: B13788.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Ave	0.6675	0.7024	0.5000	5260	5000	5.2	20.0
Dibenz(a,h)anthracene	Lin		0.5753	0.4000	5050	5000	1.1	20.0
Benzo[g,h,i]perylene	Ave	0.5742	0.5905	0.5000	5140	5000	2.8	20.0
2-Fluorophenol	Ave	0.4253	0.4554		5350	5000	7.1	20.0
Phenol-d5	Ave	0.8908	0.9036		5070	5000	1.4	20.0
Nitrobenzene-d5	Ave	0.2073	0.2012		4850	5000	-2.9	20.0
2-Fluorobiphenyl	Ave	1.061	1.092		5150	5000	2.9	20.0
2,4,6-Tribromophenol	Lin		0.0628		4910	5000	-1.7	20.0
Terphenyl-d14	Ave	0.6105	0.6314		5170	5000	3.4	20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	20-Dec-2010 22:26:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	CCV 5.0 PPM		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	15
Lims Batch ID:	67459	Lims Sample ID:	13
Sublist:	chrom-8270B*sub19		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:31:11	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:31:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.676	9.676	0.0	72	104298	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	91	369661	4.00	
* 3 Acenaphthene-d10	164	13.412	13.412	0.0	91	191346	4.00	
* 4 Phenanthrene-d10	188	14.946	14.946	0.0	90	270721	4.00	
* 5 Chrysene-d12	240	17.692	17.692	0.0	94	210247	4.00	
* 6 Perylene-d12	264	20.347	20.347	0.0	95	154538	4.00	
$ 7 2-Fluorophenol	112	8.002	8.002	0.0	86	108915	5.35	
$ 8 Phenol-d5	99	9.137	9.137	0.0	83	117803	5.07	
$ 9 Nitrobenzene-d5	82	10.368	10.368	0.0	78	92966	4.85	
$ 10 2-Fluorobiphenyl	172	12.600	12.600	0.0	99	261140	5.15	
$ 11 2,4,6-Tribromophenol	330	14.244	14.244	0.0	90	21255	4.91	
$ 12 Terphenyl-d14	244	16.379	16.379	0.0	96	165931	5.17	
14 1,4-Dioxane	88	5.632	5.632	0.0	86	42997	4.93	
15 N-Nitrosodimethylamine	42	6.122	6.122	0.0	84	37054	4.94	
16 Pyridine	52	6.194	6.194	0.0	95	35145	4.90	
17 Benzaldehyde	105	9.132	9.132	0.0	94	78895	5.04	
18 Phenol	94	9.152	9.152	0.0	96	114715	5.09	
19 Aniline	93	9.253	9.253	0.0	98	132218	5.48	
20 Bis(2-chloroethyl)ether	93	9.296	9.296	0.0	94	103817	4.86	
21 2-Chlorophenol	128	9.411	9.411	0.0	91	124494	4.99	
23 1,3-Dichlorobenzene	146	9.613	9.613	0.0	97	151096	4.88	A
22 1,4-Dichlorobenzene	146	9.700	9.700	0.0	84	148559	4.83	A
24 Benzyl alcohol	79	9.810	9.810	0.0	96	66907	5.10	
25 1,2-Dichlorobenzene	146	9.902	9.902	0.0	97	144968	4.89	A
26 2-Methylphenol	108	9.921	9.921	0.0	79	94054	4.91	A
27 2,2'-oxybis[1-chloropropane]	45	9.969	9.969	0.0	83	90603	4.91	
28 3 & 4 Methylphenol	107	10.099	10.099	0.0	90	105358	5.01	
29 N-Nitrosodi-n-propylamine	42	10.128	10.128	0.0	73	33092	5.01	
30 Acetophenone	105	10.157	10.157	0.0	74	137847	4.99	
31 Hexachloroethane	117	10.335	10.335	0.0	82	52036	4.79	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.392	10.392	0.0	75	86864	5.11	
33 Isophorone	82	10.671	10.671	0.0	95	166092	4.87	
35 2,4-Dimethylphenol	107	10.777	10.777	0.0	87	93095	4.99	
34 2-Nitrophenol	139	10.796	10.796	0.0	79	64882	5.06	
36 Benzoic acid	105	10.820	10.820	0.0	81	38868	5.15	
37 Bis(2-chloroethoxy)methane	93	10.902	10.902	0.0	96	112611	5.02	
38 2,4-Dichlorophenol	162	11.080	11.080	0.0	88	88569	4.94	
39 1,2,4-Trichlorobenzene	180	11.205	11.205	0.0	94	119189	5.04	
41 Naphthalene	128	11.320	11.320	0.0	88	350988	4.97	
42 4-Chloroaniline	127	11.359	11.359	0.0	85	105945	5.41	
43 Hexachlorobutadiene	225	11.450	11.450	0.0	91	63493	5.13	
44 Caprolactam	55	11.777	11.777	0.0	78	21465	4.80	
45 4-Chloro-3-methylphenol	107	11.921	11.921	0.0	86	74960	5.08	
46 2-Methylnaphthalene	142	12.181	12.181	0.0	82	216000	4.90	A
47 1-Methylnaphthalene	142	12.311	12.311	0.0	92	227816	4.92	
48 Hexachlorocyclopentadiene	237	12.369	12.369	0.0	65	44699	4.83	
49 1,2,4,5-Tetrachlorobenzene	216	12.388	12.388	0.0	94	97838	4.88	
50 2,4,6-Trichlorophenol	196	12.508	12.508	0.0	87	57750	5.08	
51 2,4,5-Trichlorophenol	196	12.556	12.556	0.0	97	57757	5.13	
52 1,1'-Biphenyl	154	12.725	12.725	0.0	93	262791	5.16	
53 2-Chloronaphthalene	162	12.777	12.777	0.0	95	243164	5.26	
54 Phenyl ether	170	12.840	12.840	0.0	89	152180	4.99	
55 2-Nitroaniline	138	12.874	12.874	0.0	71	52413	5.32	
56 Dimethyl phthalate	163	13.032	13.032	0.0	95	233015	5.12	
58 Acenaphthylene	152	13.263	13.263	0.0	89	317019	5.09	
59 3-Nitroaniline	138	13.330	13.330	0.0	89	37293	5.51	
60 2,4-Dinitrophenol	184	13.441	13.441	0.0	86	16608	4.50	
61 Acenaphthene	153	13.451	13.451	0.0	95	217517	4.99	
62 4-Nitrophenol	139	13.455	13.455	0.0	69	31553	4.41	
63 2,4-Dinitrotoluene	165	13.576	13.576	0.0	86	55071	4.76	
57 2,6-Dinitrotoluene	165	13.576	13.576	0.0	74	55071	5.65	
64 Dibenzofuran	168	13.633	13.633	0.0	87	256919	4.99	
65 2,3,4,6-Tetrachlorophenol	232	13.701	13.701	0.0	91	37892	4.58	
66 Diethyl phthalate	149	13.787	13.787	0.0	97	228379	4.91	
67 4-Chlorophenyl phenyl ether	204	13.956	13.956	0.0	89	100809	5.07	
68 4-Nitroaniline	138	13.994	13.994	0.0	0	29902	4.67	A
69 Fluorene	166	13.999	13.999	0.0	76	207876	4.77	
70 4,6-Dinitro-2-methylphenol	198	14.009	14.009	0.0	86	23486	4.46	
72 N-Nitrosodiphenylamine	169	14.076	14.076	0.0	57	166775	6.18	
71 Diphenylamine	169	14.076	14.076	0.0	81	166775	5.28	
73 1,2-Diphenylhydrazine	77	14.124	14.124	0.0	1	227244	5.37	
74 Azobenzene	77	14.124	14.124	0.0	79	225848	5.34	
13 Benzophenone	105	14.138	14.138	0.0	85	175874	5.29	
75 4-Bromophenyl phenyl ether	248	14.461	14.461	0.0	57	49802	5.06	
77 Atrazine	200	14.562	14.562	0.0	76	48351	5.13	
76 Hexachlorobenzene	284	14.566	14.566	0.0	85	52519	4.94	
78 Pentachlorophenol	266	14.744	14.744	0.0	69	25154	4.66	
79 Pentachloronitrobenzene	237	14.759	14.759	0.0	64	22974	5.35	
80 Phenanthrene	178	14.970	14.970	0.0	95	254491	4.89	A
81 Anthracene	178	15.018	15.018	0.0	97	250721	5.01	
83 Carbazole	167	15.148	15.148	0.0	82	201410	5.29	
84 Di-n-butyl phthalate	149	15.365	15.365	0.0	99	333216	4.92	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.086	16.086	0.0	97	257311	4.88	
86 Benzidine	184	16.153	16.153	0.0	95	49211	5.93	5
85 Pyrene	202	16.322	16.322	0.0	94	257936	5.20	A
89 Butyl benzyl phthalate	149	16.812	16.812	0.0	77	136304	5.28	
92 Bis(2-ethylhexyl) phthalate	149	17.413	17.413	0.0	92	183281	5.20	
91 3,3'-Dichlorobenzidine	252	17.557	17.557	0.0	63	55125	5.96	
93 Benzo[a]anthracene	228	17.673	17.673	0.0	99	199776	4.94	
94 Chrysene	228	17.731	17.731	0.0	93	199198	5.08	A
95 Di-n-octyl phthalate	149	18.351	18.351	0.0	97	286353	5.62	A
97 Benzo[b]fluoranthene	252	19.486	19.486	0.0	90	210003	5.24	A
98 Benzo[k]fluoranthene	252	19.539	19.539	0.0	99	194216	5.02	
99 Benzo[a]pyrene	252	20.217	20.217	0.0	74	162287	5.03	
100 Indeno[1,2,3-cd]pyrene	276	23.338	23.338	0.0	90	135682	5.26	A
101 Dibenz(a,h)anthracene	278	23.342	23.342	0.0	0	111139	5.05	A
102 Benzo[g,h,i]perylene	276	24.299	24.299	0.0	82	114067	5.14	A

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

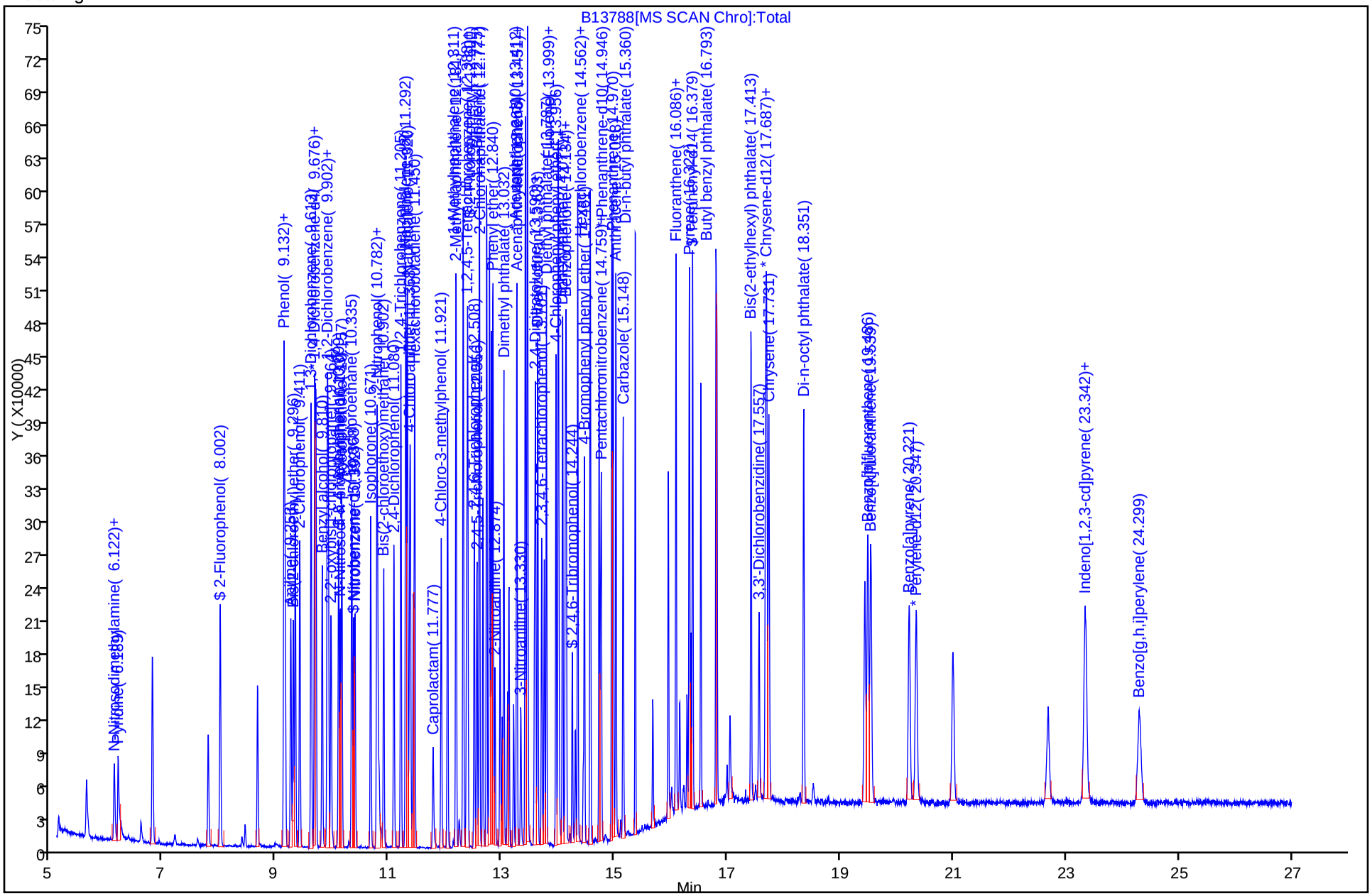
Review Flags
A - User Assigned ID

Report Date: 21-Dec-2010 14:31:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D

Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:31:13 Chrom Revision: 1.2 29-Oct-2010 14:13:24

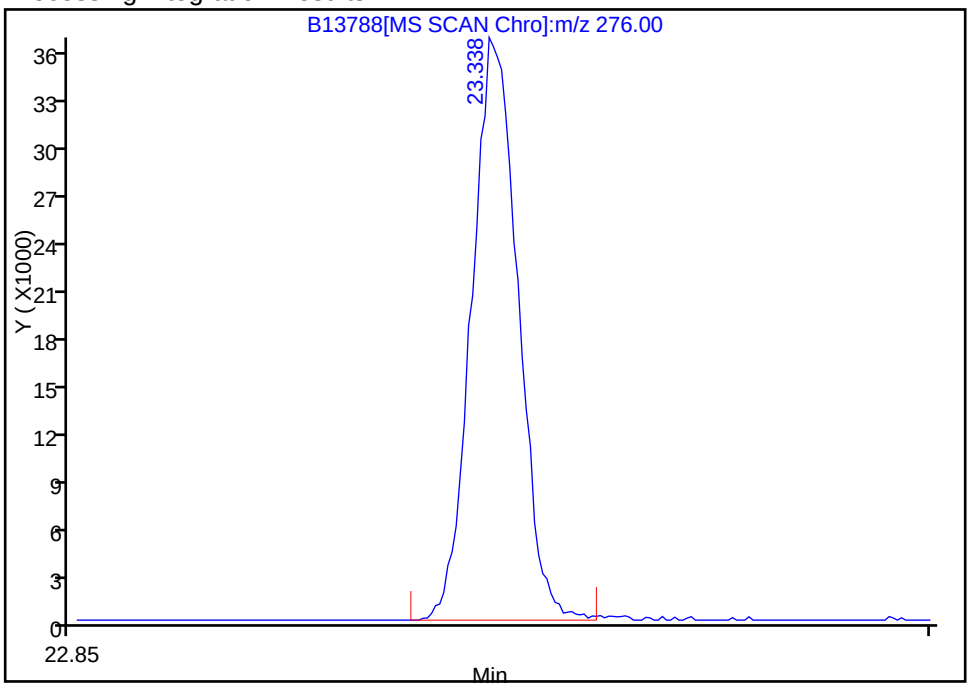
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

102 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 24.30

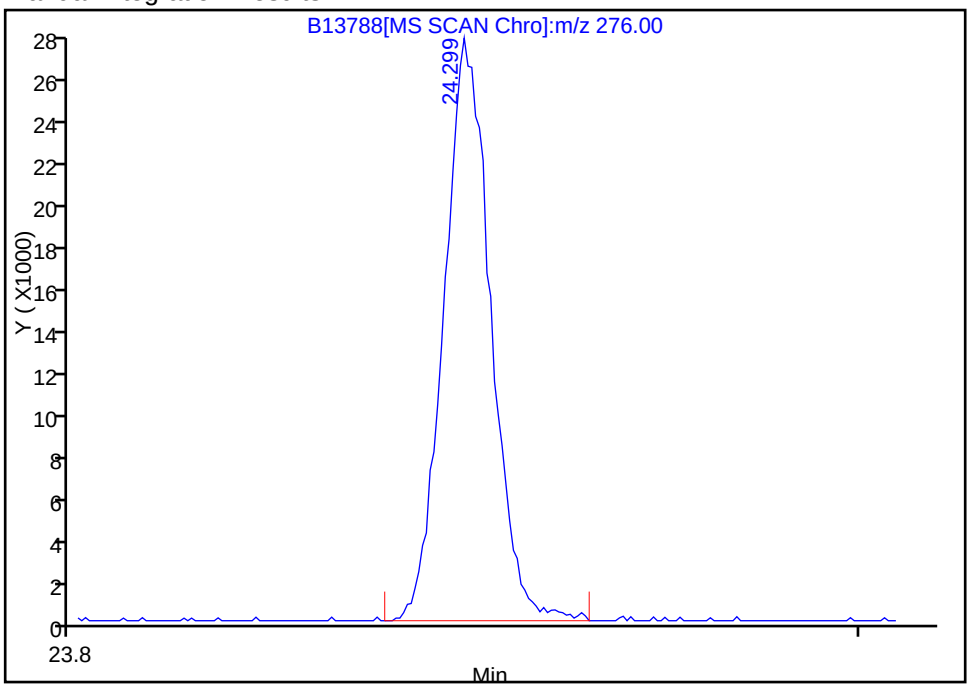
Processing Integration Results

RT: 23.34
Response: 135682
Amount: 6.115875



Manual Integration Results

RT: 24.30
Response: 114067
Amount: 5.141577



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

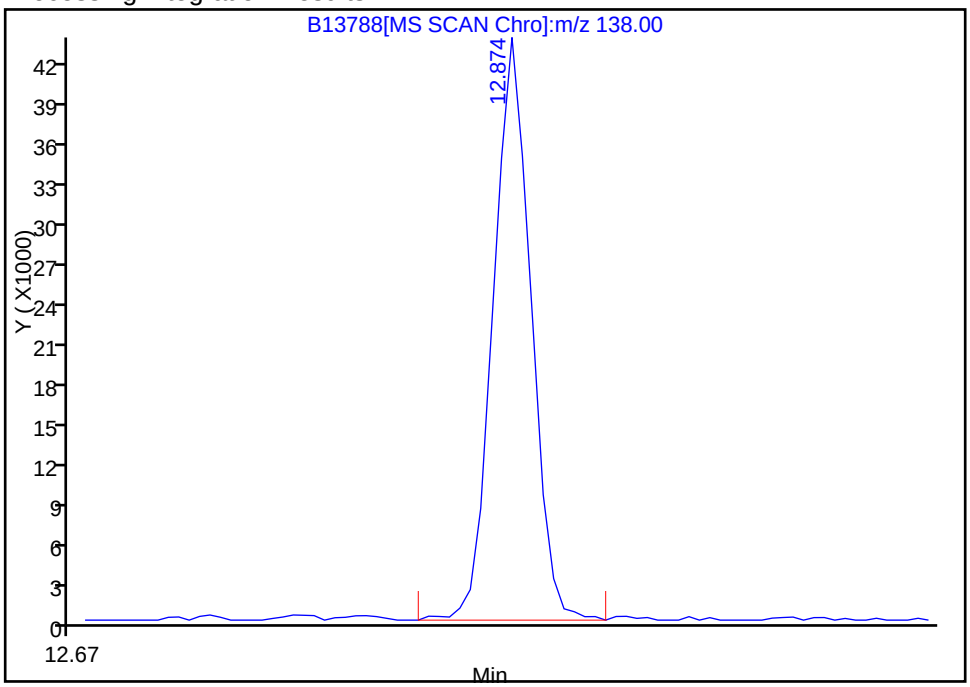
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

68 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 13.99

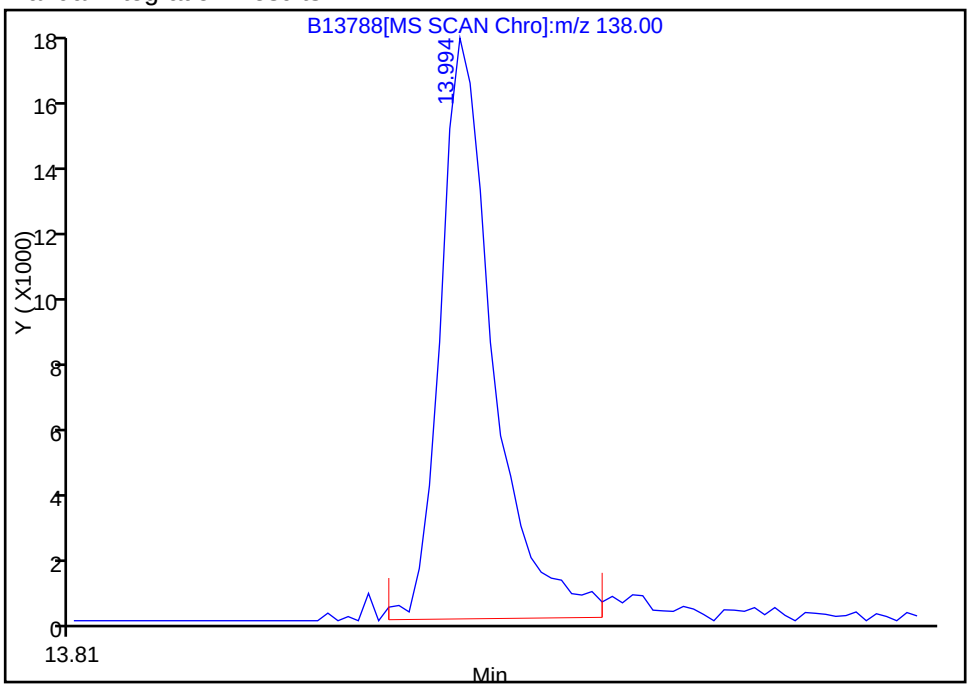
Processing Integration Results

RT: 12.87
Response: 52413
Amount: 7.550310



Manual Integration Results

RT: 13.99
Response: 29902
Amount: 4.666238



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:31:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

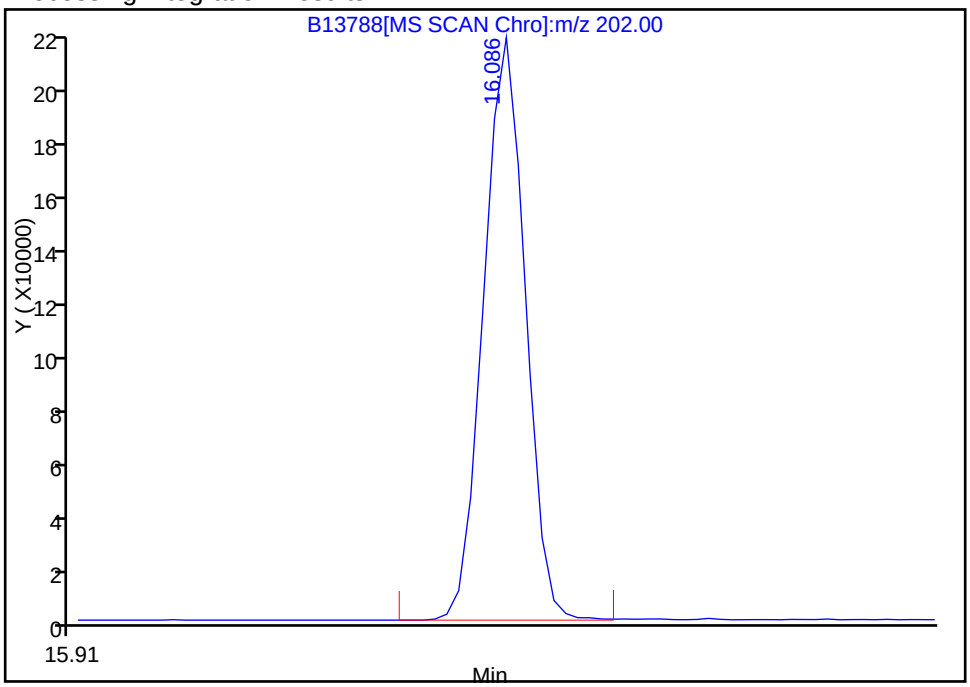
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

85 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 16.32

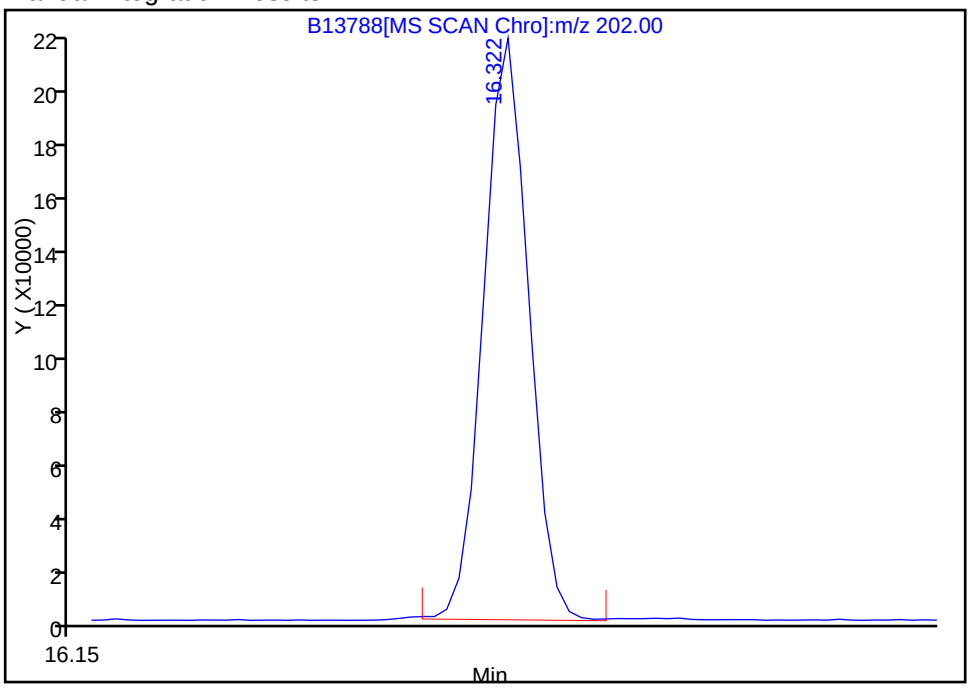
Processing Integration Results

RT: 16.09
Response: 257311
Amount: 5.190682



Manual Integration Results

RT: 16.32
Response: 257936
Amount: 5.203290



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

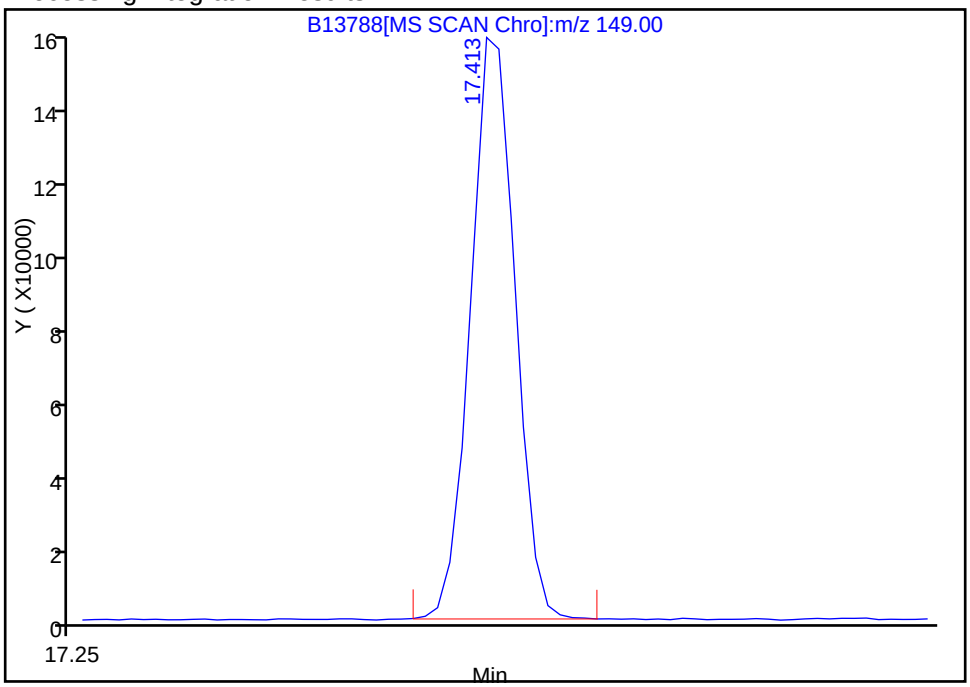
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

95 Di-n-octyl phthalate, Signal: 1, m/z: 149.0 Type: quant, RT: 18.35

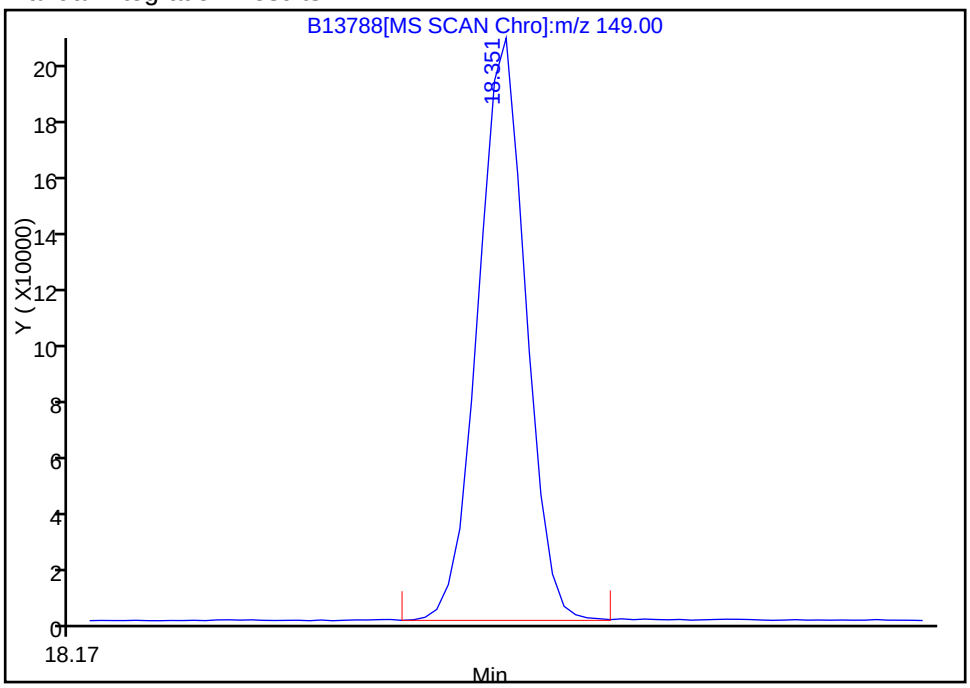
Processing Integration Results

RT: 17.41
Response: 182500
Amount: 3.766414



Manual Integration Results

RT: 18.35
Response: 286353
Amount: 5.623720



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:31:13 Chrom Revision: 1.2 29-Oct-2010 14:13:24

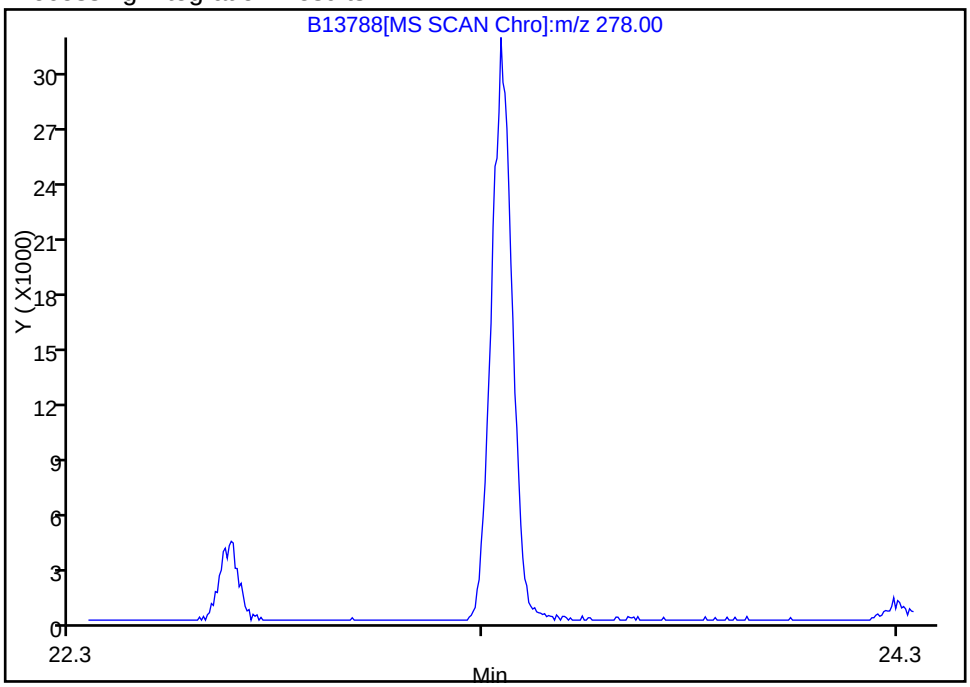
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

101 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 23.34

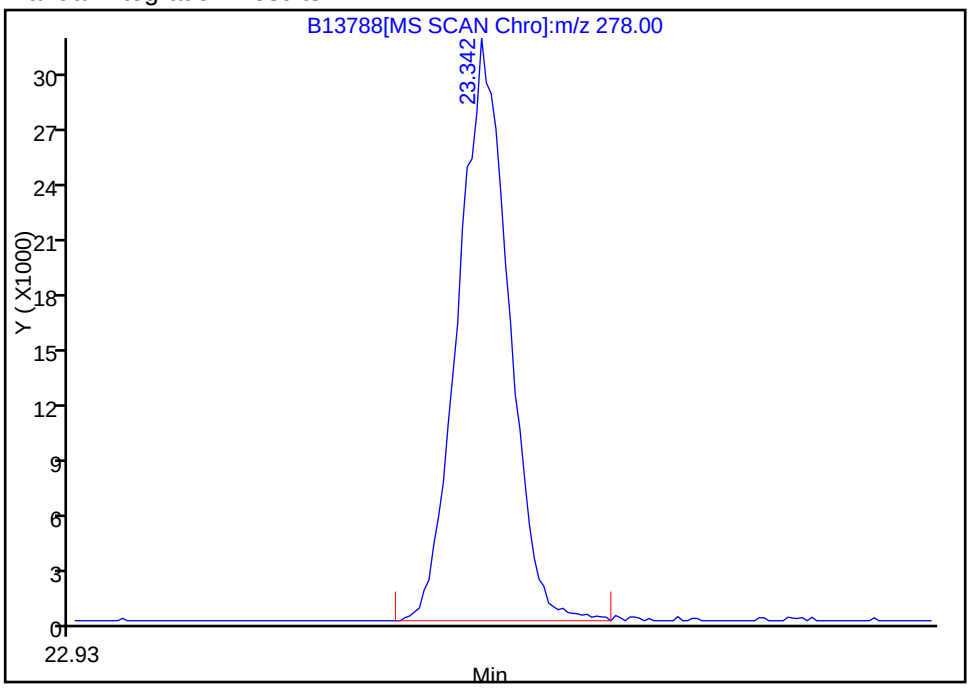
Not Detected
Expected RT: 23.34

Processing Integration Results



Manual Integration Results

RT: 23.34
Response: 111139
Amount: 5.052778



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:31:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

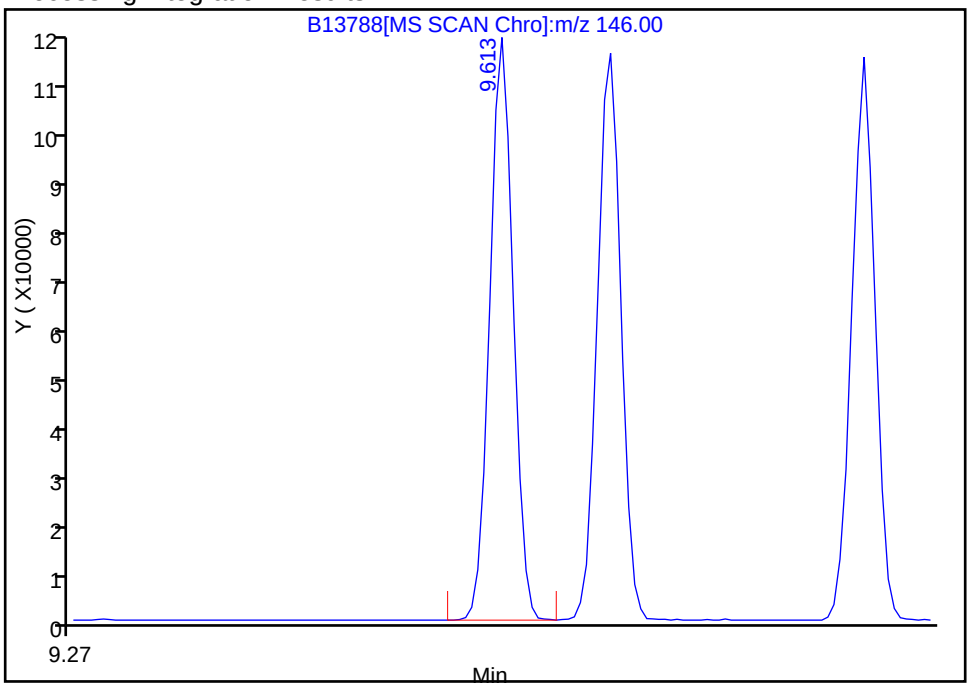
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

25 1,2-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 9.90

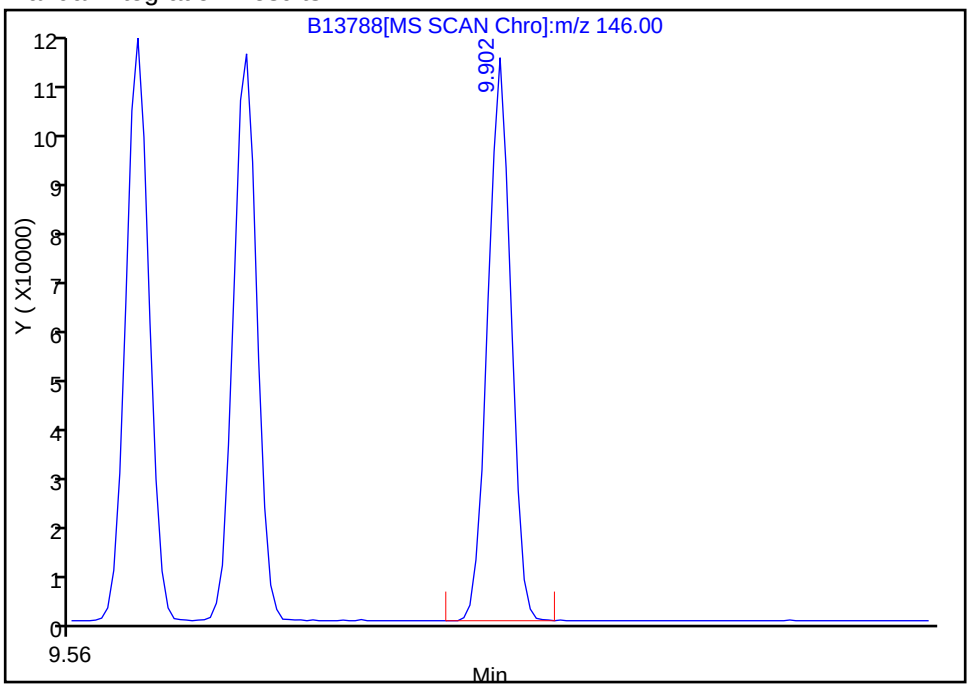
Processing Integration Results

RT: 9.61
Response: 151096
Amount: 5.099109



Manual Integration Results

RT: 9.90
Response: 144968
Amount: 4.892304



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

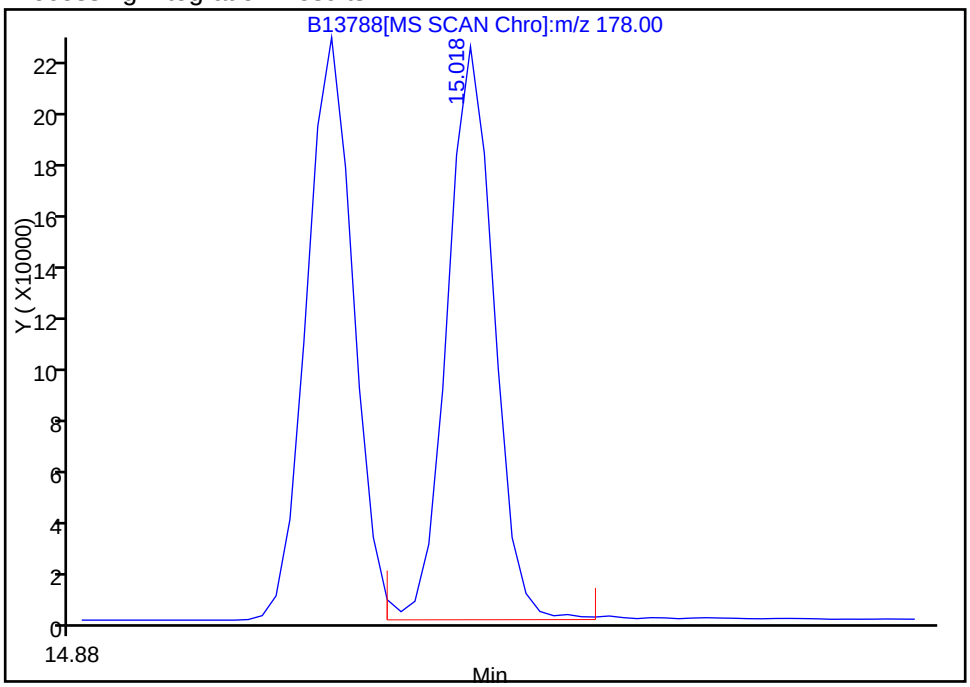
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

80 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 14.97

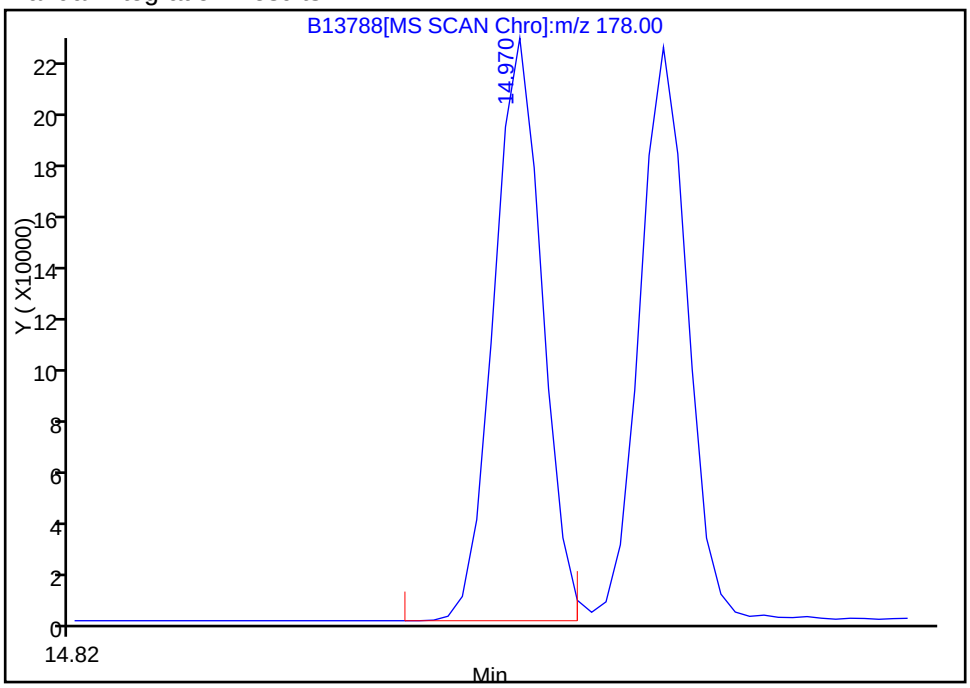
Processing Integration Results

RT: 15.02
Response: 250721
Amount: 4.814242



Manual Integration Results

RT: 14.97
Response: 254491
Amount: 4.886632



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:31:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

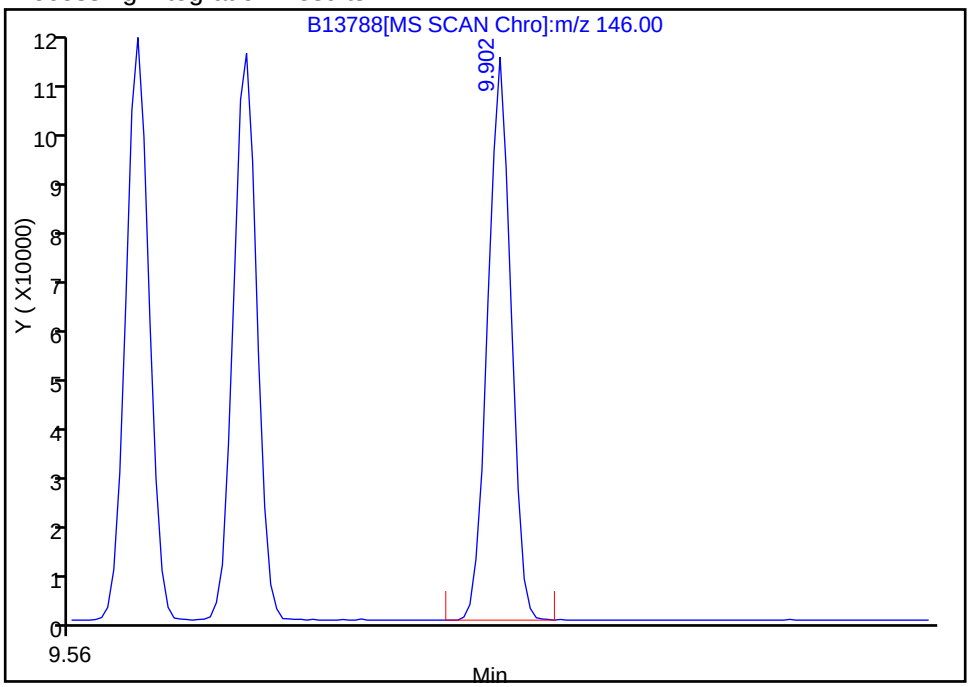
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

23 1,3-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 9.61

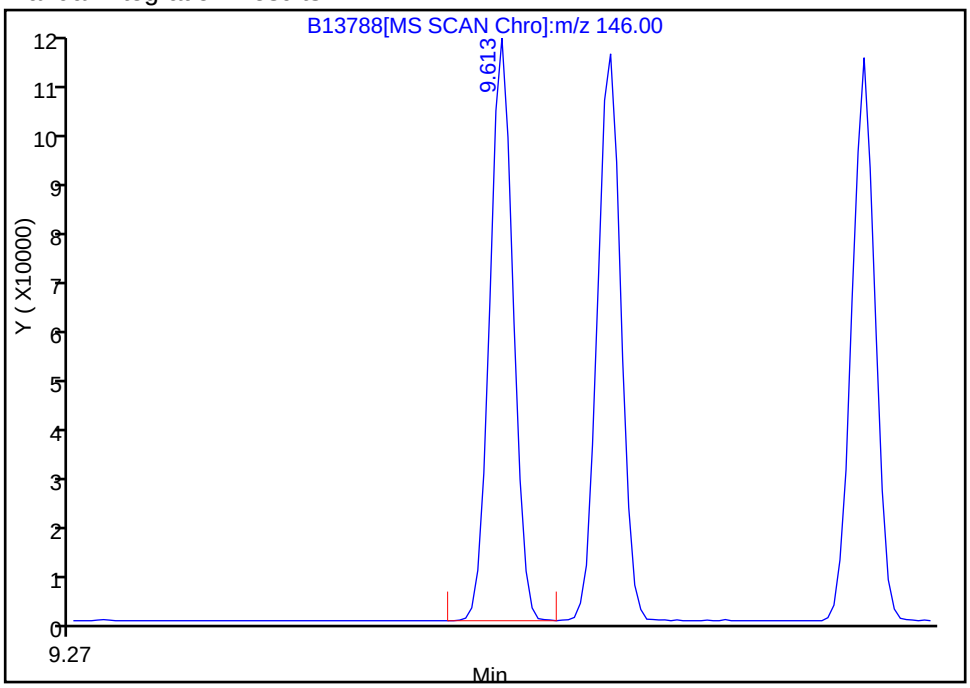
Processing Integration Results

RT: 9.90
Response: 144968
Amount: 4.686278



Manual Integration Results

RT: 9.61
Response: 151096
Amount: 4.884374



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

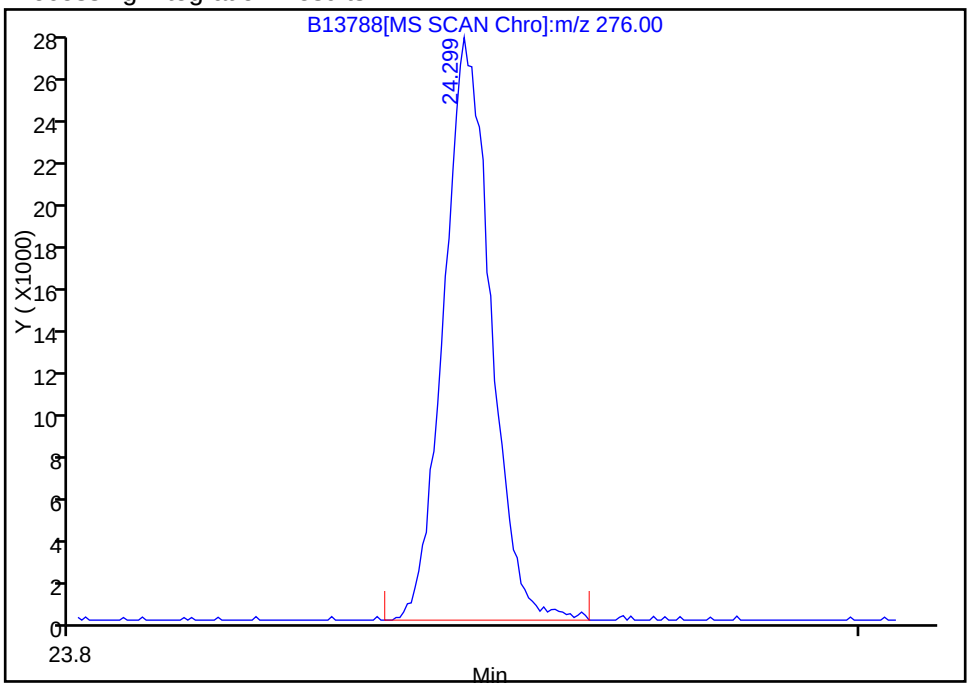
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

100 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 23.34

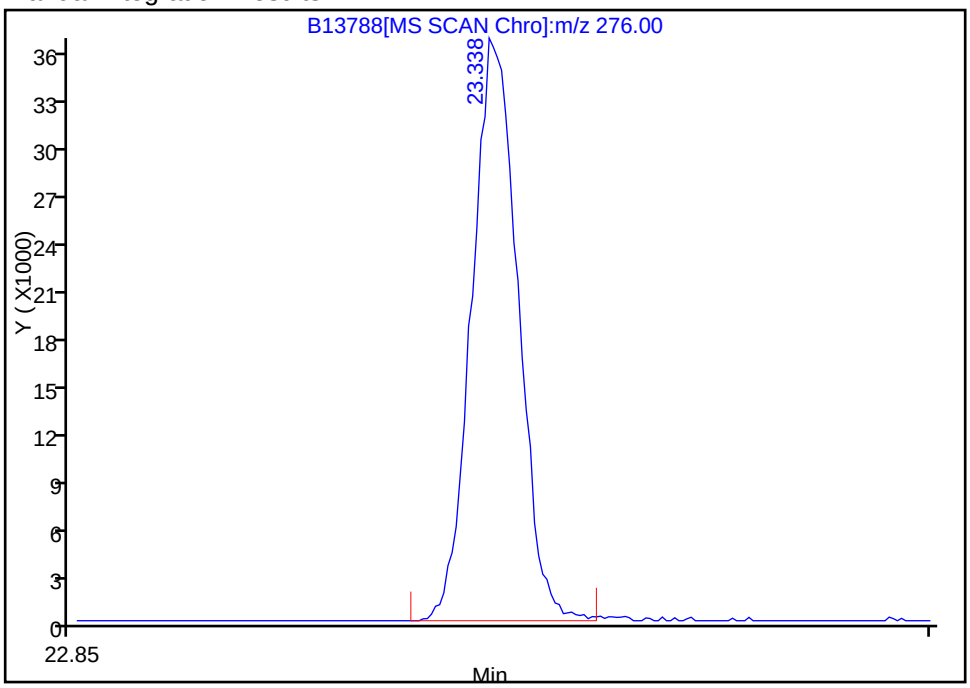
Processing Integration Results

RT: 24.30
Response: 114067
Amount: 4.422995



Manual Integration Results

RT: 23.34
Response: 135682
Amount: 5.261125



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:31:13 Chrom Revision: 1.2 29-Oct-2010 14:13:24

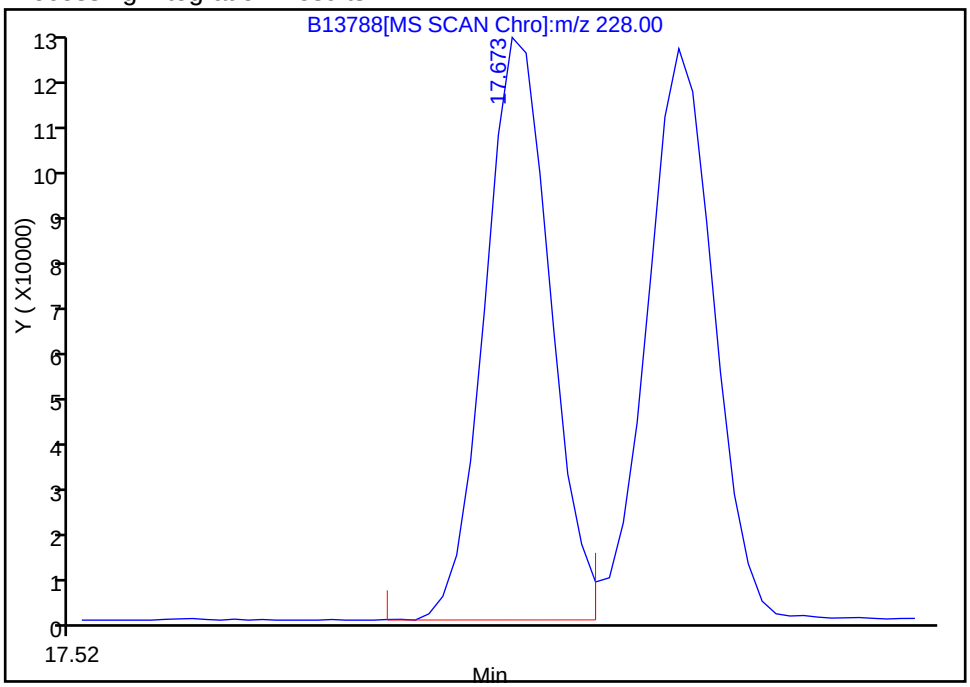
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 17.73

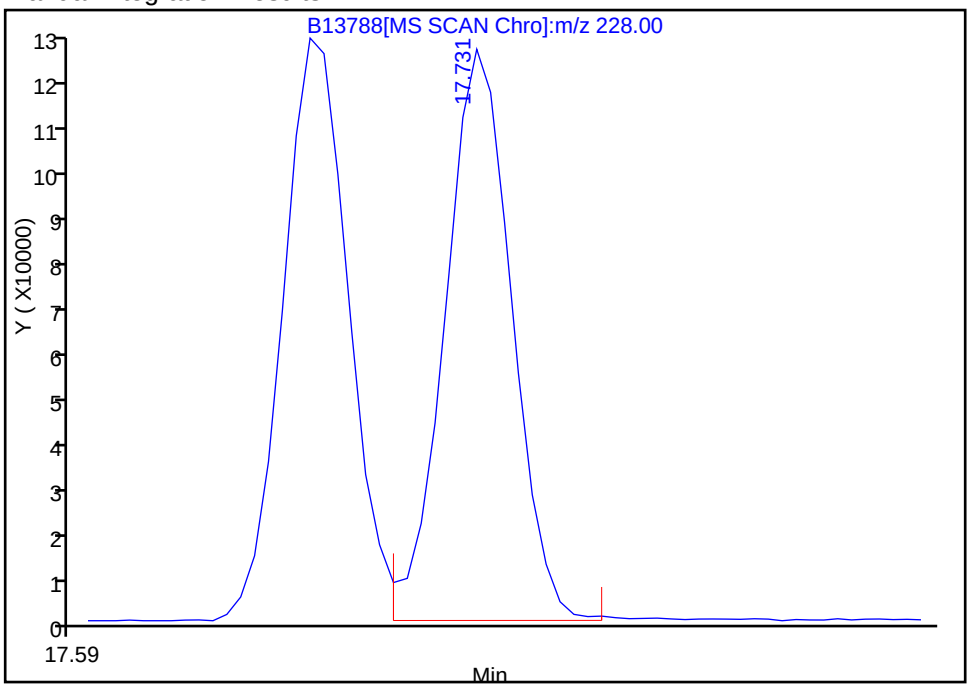
Processing Integration Results

RT: 17.67
Response: 199776
Amount: 5.093310



Manual Integration Results

RT: 17.73
Response: 199198
Amount: 5.078574



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

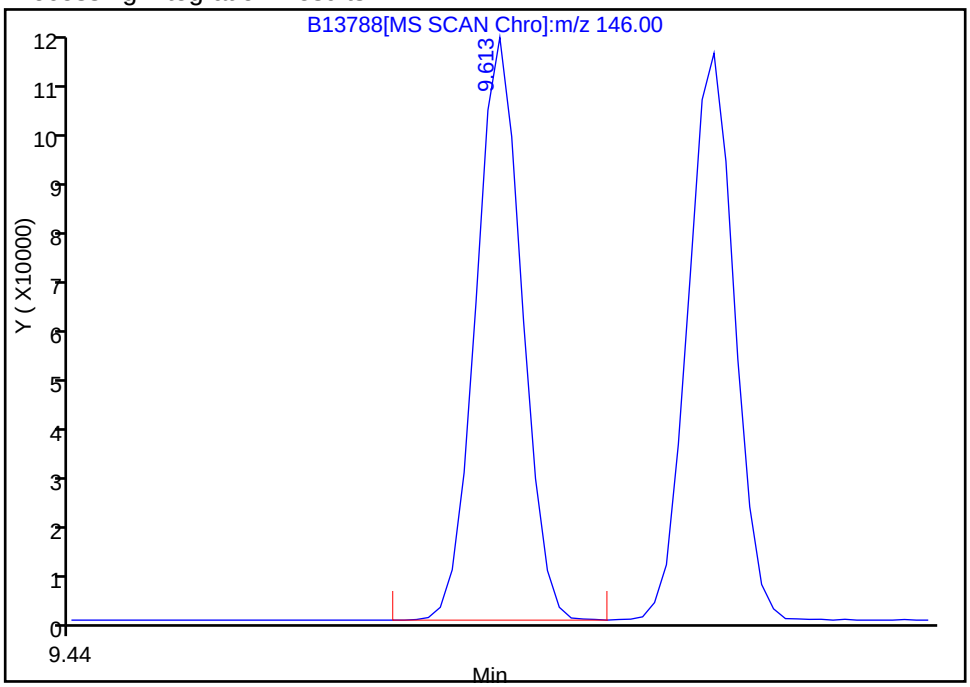
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

22 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 9.70

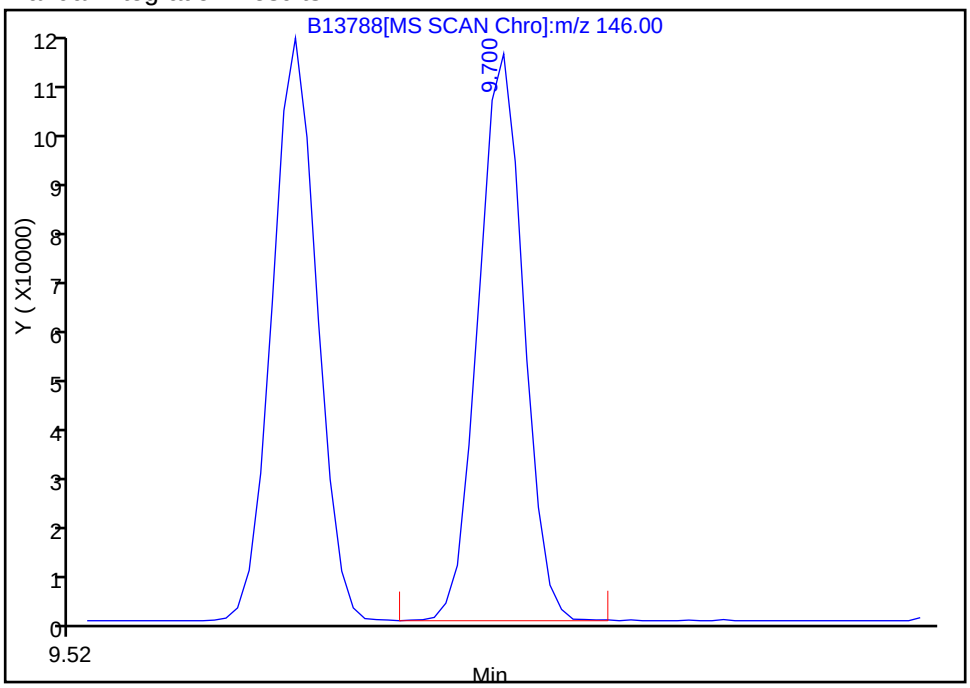
Processing Integration Results

RT: 9.61
Response: 151096
Amount: 4.916093



Manual Integration Results

RT: 9.70
Response: 148559
Amount: 4.833548



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

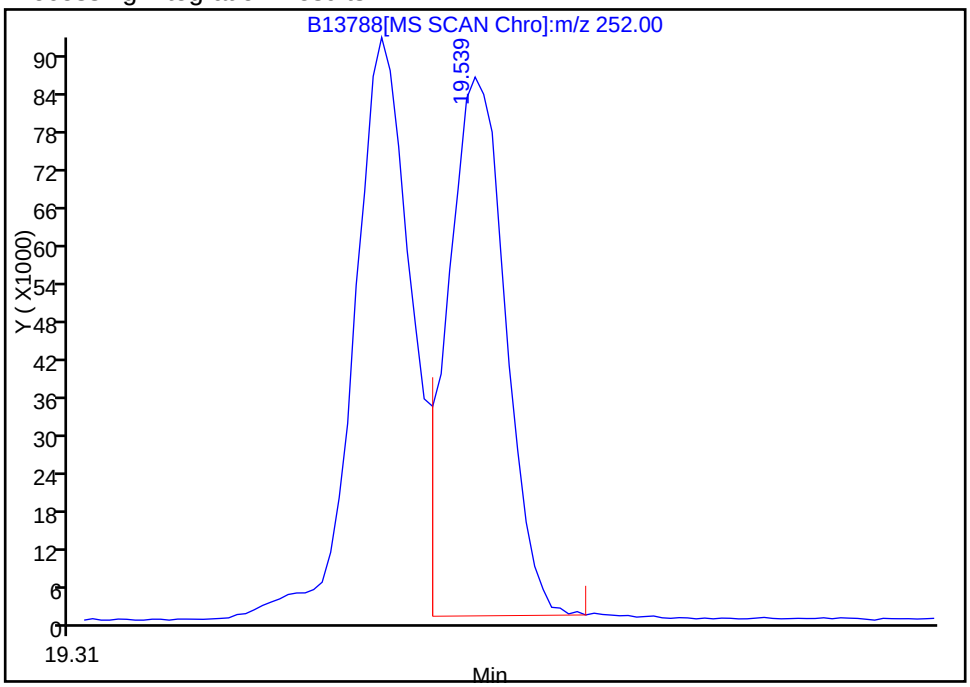
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 19.49

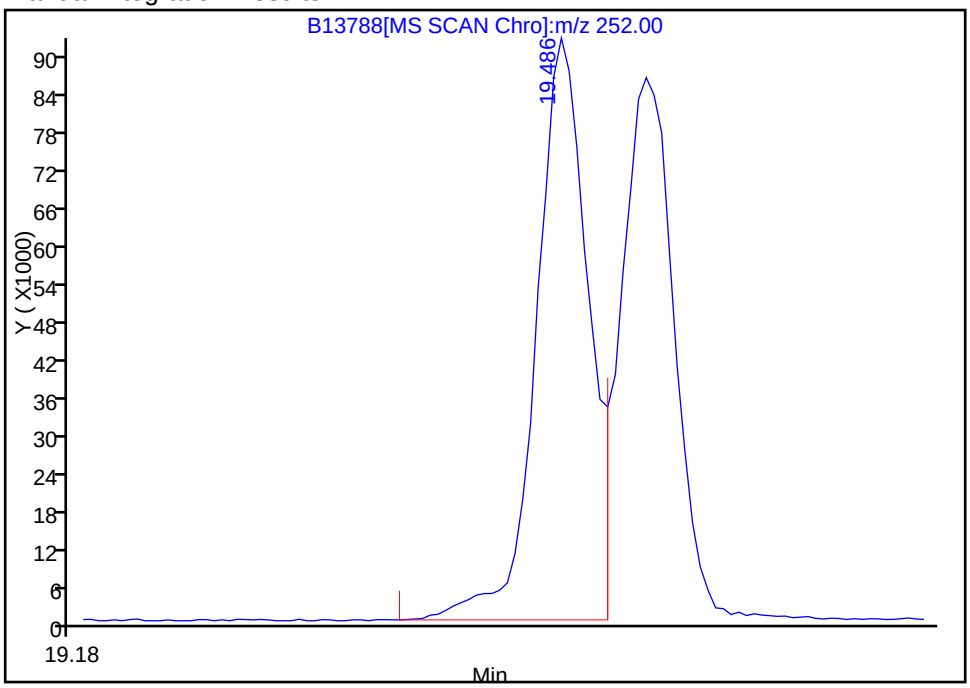
Processing Integration Results

RT: 19.54
Response: 194000
Amount: 4.843689



Manual Integration Results

RT: 19.49
Response: 210003
Amount: 5.243244



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 21-Dec-2010 14:31:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

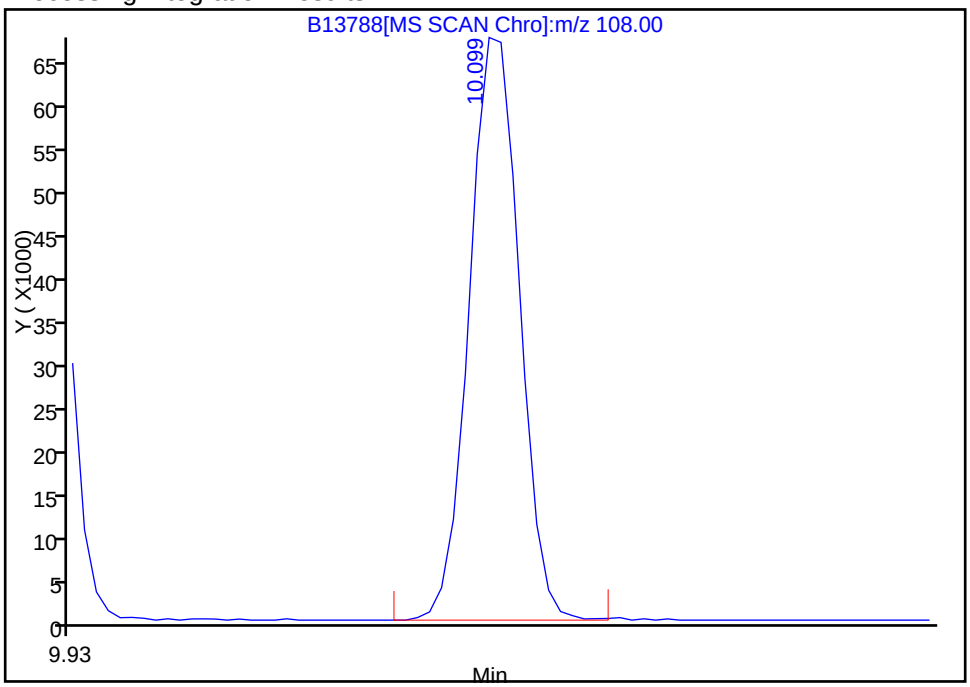
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

26 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 9.92

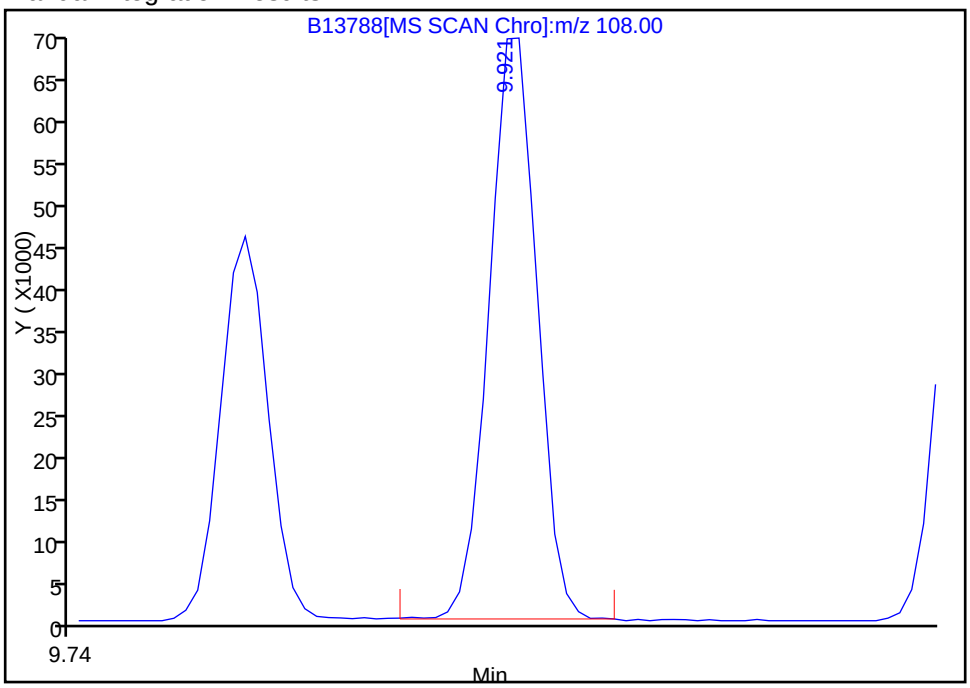
Processing Integration Results

RT: 10.10
Response: 94700
Amount: 4.944771



Manual Integration Results

RT: 9.92
Response: 94054
Amount: 4.911040



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

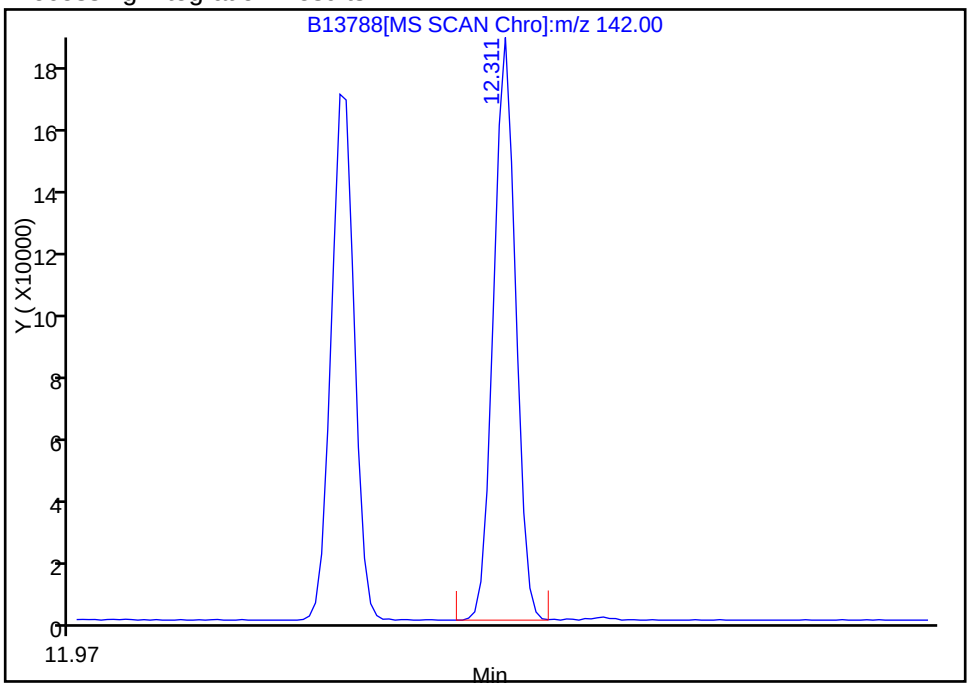
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13788.D		
Injection Date:	20-Dec-2010 22:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

46 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 12.18

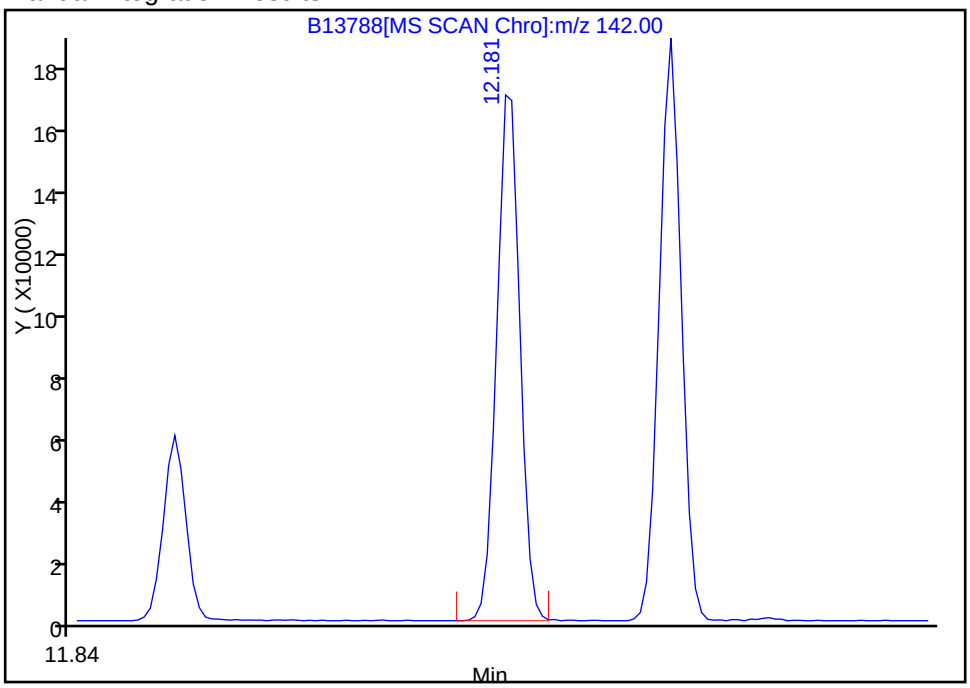
Processing Integration Results

RT: 12.31
Response: 227816
Amount: 5.168882



Manual Integration Results

RT: 12.18
Response: 216000
Amount: 4.900790



Reviewer: testerc, 21-Dec-2010 11:37:48
Audit Action: Assigned Compound ID
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67515/13 Calibration Date: 12/22/2010 09:09

Instrument ID: Inst. B Calib Start Date: 12/20/2010 15:53

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/20/2010 20:38

Lab File ID: B13809.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3342	0.3149		4710	5000	-5.8	20.0
N-Nitrosodimethylamine	Ave	0.2876	0.2959		5140	5000	2.9	20.0
Pyridine	Lin		0.3112		5470	5000	9.3	20.0
Benzaldehyde	Ave	0.5998	0.5923		4940	5000	-1.3	20.0
Phenol	Ave	0.8647	0.8991	0.8000	5200	5000	4.0	20.0
Aniline	Ave	0.9245	1.053		5700	5000	13.9	20.0
Bis(2-chloroethyl)ether	Ave	0.8187	0.7821	0.7000	4780	5000	-4.5	20.0
2-Chlorophenol	Ave	0.9560	0.9678	0.8000	5060	5000	1.2	20.0
1,3-Dichlorobenzene	Ave	1.186	1.165		4910	5000	-1.8	20.0
1,4-Dichlorobenzene	Ave	1.179	1.161		4930	5000	-1.5	20.0
Benzyl alcohol	Ave	0.5035	0.5482		5440	5000	8.9	20.0
1,2-Dichlorobenzene	Ave	1.136	1.086		4780	5000	-4.4	20.0
2-Methylphenol	Ave	0.7345	0.7429	0.7000	5060	5000	1.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	0.7076	0.6557	0.0100	4630	5000	-7.3	20.0
3 & 4 Methylphenol	Ave	0.8061	0.8375	0.6000	5190	5000	3.9	20.0
N-Nitrosodi-n-propylamine	Ave	0.2533	0.2376		4690	5000	-6.2	20.0
Acetophenone	Ave	1.059	1.075	0.0100	5080	5000	1.6	20.0
Hexachloroethane	Ave	0.4166	0.3890	0.3000	4670	5000	-6.6	20.0
Nitrobenzene	Lin1		0.1917*	0.2000	5210	5000	4.2	20.0
Isophorone	Lin1		0.3489*	0.4000	4730	5000	-5.3	20.0
2,4-Dimethylphenol	Ave	0.2021	0.2107	0.2000	5210	5000	4.3	20.0
2-Nitrophenol	Ave	0.1387	0.1385	0.1000	4990	5000	-0.1	20.0
Benzoic acid	Qua		0.0684		1830	5000	-63.4*	20.0
Bis(2-chloroethoxy)methane	Lin1		0.2404*	0.3000	4950	5000	-1.0	20.0
2,4-Dichlorophenol	Lin1		0.1966*	0.2000	5060	5000	1.3	20.0
1,2,4-Trichlorobenzene	Ave	0.2556	0.2494		4880	5000	-2.5	20.0
Naphthalene	Ave	0.7637	0.7585	0.7000	4970	5000	-0.7	20.0
4-Chloroaniline	Ave	0.2121	0.2377	0.0100	5600	5000	12.1	20.0
Hexachlorobutadiene	Ave	0.1339	0.1314	0.0100	4910	5000	-1.9	20.0
Caprolactam	Lin		0.0522		5300	5000	6.0	20.0
4-Chloro-3-methylphenol	Ave	0.1598	0.1775		5550	5000	11.1	20.0
2-Methylnaphthalene	Ave	0.4769	0.4783	0.4000	5010	5000	0.3	20.0
1-Methylnaphthalene	Ave	0.5005	0.4971		4970	5000	-0.7	20.0
Hexachlorocyclopentadiene	Ave	0.1936	0.1949		5030	5000	0.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2172	0.2147		4940	5000	-1.1	20.0
2,4,6-Trichlorophenol	Ave	0.2375	0.2300	0.2000	4840	5000	-3.2	20.0
2,4,5-Trichlorophenol	Ave	0.2355	0.2403	0.2000	5100	5000	2.0	20.0
1,1'-Biphenyl	Ave	1.065	1.043		4900	5000	-2.1	20.0
2-Chloronaphthalene	Ave	0.9665	0.9476		4900	5000	-1.9	20.0
Diphenyl oxide	Ave	0.3301	0.3331		5040	5000	0.9	20.0
2-Nitroaniline	Ave	0.2060	0.2300		5580	5000	11.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67515/13 Calibration Date: 12/22/2010 09:09

Instrument ID: Inst. B Calib Start Date: 12/20/2010 15:53

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/20/2010 20:38

Lab File ID: B13809.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	0.9521	0.9454	0.0100	4970	5000	-0.7	20.0
2,6-Dinitrotoluene	Ave	0.2038	0.2204	0.2000	5410	5000	8.1	20.0
Acenaphthylene	Ave	1.301	1.332	0.9000	5120	5000	2.4	20.0
3-Nitroaniline	Ave	0.1415	0.1404		4960	5000	-0.8	20.0
2,4-Dinitrophenol	QuaF		0.0642	0.0100	4200	5000	-16.1	20.0
Acenaphthene	Ave	0.9109	0.8876*	0.9000	4870	5000	-2.6	20.0
4-Nitrophenol	Lin		0.1482	0.0100	4880	5000	-2.4	20.0
2,4-Dinitrotoluene	Lin		0.2573	0.2000	5260	5000	5.1	20.0
Dibenzofuran	Ave	1.076	1.124	0.8000	5220	5000	4.5	20.0
2,3,4,6-Tetrachlorophenol	Lin		0.1525		4430	5000	-11.4	20.0
Diethyl phthalate	Ave	0.9726	0.9945	0.0100	5110	5000	2.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.4157	0.4270		5140	5000	2.7	20.0
4-Nitroaniline	Lin		0.1387		5090	5000	1.7	20.0
Fluorene	Lin1		0.9285	0.9000	5100	5000	1.9	20.0
4,6-Dinitro-2-methylphenol	Lin		0.0663		4310	5000	-13.8	20.0
Diphenylamine	Ave	0.4667	0.4788		5130	5000	2.6	20.0
N-Nitrosodiphenylamine	Ave	0.3989	0.4092		6000	5850	2.6	20.0
1,2-Diphenylhydrazine	Ave	0.6250	0.6444		5160	5000	3.1	20.0
Azobenzene	Ave	0.6245	0.6444		5160	5000	3.2	20.0
Benzophenone	Ave	0.4908	0.5041		5140	5000	2.7	20.0
4-Bromophenyl phenyl ether	Ave	0.1453	0.1483	0.1000	5100	5000	2.1	20.0
Atrazine	Ave	0.1391	0.1431		5140	5000	2.8	20.0
Hexachlorobenzene	Ave	0.1570	0.1501	0.1000	4780	5000	-4.4	20.0
Pentachlorophenol	Lin		0.0582	0.0500	3810	5000	-23.7*	20.0
Pentachloronitrobenzene	Ave	0.0634	0.0656		5170	5000	3.4	20.0
Phenanthrene	Ave	0.7695	0.7815	0.7000	5080	5000	1.6	20.0
Anthracene	Ave	0.7390	0.7621	0.7000	5160	5000	3.1	20.0
Carbazole	Ave	0.5628	0.5911		5250	5000	5.0	20.0
Di-n-butyl phthalate	Ave	1.000	1.045	0.0100	5220	5000	4.5	20.0
Fluoranthene	Ave	0.7784	0.8073	0.6000	5190	5000	3.7	20.0
Benzidine	Ave	0.1226	0.0869		3540	5000	-29.1*	20.0
Pyrene	Ave	0.9431	0.9517	0.6000	5050	5000	0.9	20.0
Butyl benzyl phthalate	Ave	0.4914	0.5180	0.0100	5270	5000	5.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6708	0.7367	0.0100	5490	5000	9.8	20.0
3,3'-Dichlorobenzidine	Ave	0.1761	0.1555	0.0100	4410	5000	-11.7	20.0
Benzo[a]anthracene	Lin1		0.7441*	0.8000	4830	5000	-3.4	20.0
Chrysene	Ave	0.7462	0.7383	0.7000	4950	5000	-1.1	20.0
Di-n-octyl phthalate	Qua		1.835	0.0100	6720	5000	34.5*	20.0
Benzo[b]fluoranthene	Ave	1.037	1.119	0.7000	5400	5000	7.9	20.0
Benzo[k]fluoranthene	Ave	1.002	1.063	0.7000	5310	5000	6.1	20.0
Benzo[a]pyrene	Ave	0.8359	0.8270	0.7000	4950	5000	-1.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67515/13 Calibration Date: 12/22/2010 09:09

Instrument ID: Inst. B Calib Start Date: 12/20/2010 15:53

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/20/2010 20:38

Lab File ID: B13809.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Lin		0.5310	0.4000	4660	5000	-6.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.6675	0.6567	0.5000	4920	5000	-1.6	20.0
Benzo[g,h,i]perylene	Ave	0.5742	0.5708	0.5000	4970	5000	-0.6	20.0
2-Fluorophenol	Ave	0.4253	0.4164		4890	5000	-2.1	20.0
Phenol-d5	Ave	0.8908	0.9465		5310	5000	6.2	20.0
Nitrobenzene-d5	Ave	0.2073	0.2265		5460	5000	9.3	20.0
2-Fluorobiphenyl	Ave	1.061	1.003		4730	5000	-5.5	20.0
2,4,6-Tribromophenol	Lin		0.0612		4800	5000	-4.0	20.0
Terphenyl-d14	Ave	0.6105	0.6210		5090	5000	1.7	20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13809.D
Lims ID: CCVIS Client ID:
Inject. Date: 22-Dec-2010 09:09:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCV 5.0 PPM
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 2
Lims Batch ID: 67515 Lims Sample ID: 13
Sublist: chrom-8270B*sub19
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m
Last Update: 23-Dec-2010 07:33:49 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 23-Dec-2010 07:33:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.613	9.613	0.0	91	112405	4.00	
* 2 Naphthalene-d8	136	11.224	11.224	0.0	99	403937	4.00	
* 3 Acenaphthene-d10	164	13.345	13.345	0.0	92	231811	4.00	
* 4 Phenanthrene-d10	188	14.879	14.879	0.0	96	370067	4.00	A
* 5 Chrysene-d12	240	17.586	17.586	0.0	96	317954	4.00	
* 6 Perylene-d12	264	20.159	20.159	0.0	95	198877	4.00	
$ 7 2-Fluorophenol	112	7.940	7.940	0.0	84	120645	4.89	
$ 8 Phenol-d5	99	9.079	9.079	0.0	86	132984	5.31	
$ 9 Nitrobenzene-d5	82	10.301	10.301	0.0	80	114362	5.46	
$ 10 2-Fluorobiphenyl	172	12.527	12.527	0.0	100	290499	4.73	
$ 11 2,4,6-Tribromophenol	330	14.177	14.177	0.0	88	28298	4.80	
$ 12 Terphenyl-d14	244	16.302	16.302	0.0	98	246822	5.09	
14 1,4-Dioxane	88	5.540	5.540	0.0	88	44245	4.71	
15 N-Nitrosodimethylamine	42	6.031	6.031	0.0	93	41571	5.14	
16 Pyridine	52	6.108	6.108	0.0	95	43731	5.47	
17 Benzaldehyde	105	9.070	9.070	0.0	61	83216	4.94	
18 Phenol	94	9.094	9.094	0.0	96	126330	5.20	
19 Aniline	93	9.190	9.190	0.0	99	147981	5.70	
20 Bis(2-chloroethyl)ether	93	9.233	9.233	0.0	98	109893	4.78	
21 2-Chlorophenol	128	9.349	9.349	0.0	90	135987	5.06	
23 1,3-Dichlorobenzene	146	9.551	9.551	0.0	98	163754	4.91	
22 1,4-Dichlorobenzene	146	9.637	9.637	0.0	95	163169	4.93	
24 Benzyl alcohol	79	9.748	9.748	0.0	98	77022	5.44	
25 1,2-Dichlorobenzene	146	9.839	9.839	0.0	99	152636	4.78	
26 2-Methylphenol	108	9.858	9.858	0.0	91	104384	5.06	
27 2,2'-oxybis[1-chloropropane]	45	9.902	9.902	0.0	51	92136	4.63	
28 3 & 4 Methylphenol	107	10.041	10.041	0.0	92	117676	5.19	
29 N-Nitrosodi-n-propylamine	42	10.065	10.065	0.0	79	33382	4.69	
30 Acetophenone	105	10.094	10.094	0.0	90	151065	5.08	
31 Hexachloroethane	117	10.272	10.272	0.0	94	54652	4.67	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
32 Nitrobenzene	77	10.330	10.330	0.0	78	96776	5.21	
33 Isophorone	82	10.604	10.604	0.0	97	176187	4.73	
35 2,4-Dimethylphenol	107	10.714	10.714	0.0	90	106387	5.21	
34 2-Nitrophenol	139	10.729	10.729	0.0	83	69948	4.99	
36 Benzoic acid	105	10.758	10.758	0.0	42	9615	1.83	M
37 Bis(2-chloroethoxy)methane	93	10.835	10.835	0.0	95	121360	4.95	
38 2,4-Dichlorophenol	162	11.017	11.017	0.0	86	99242	5.06	
39 1,2,4-Trichlorobenzene	180	11.138	11.138	0.0	94	125908	4.88	
41 Naphthalene	128	11.253	11.253	0.0	98	382984	4.97	
42 4-Chloroaniline	127	11.291	11.291	0.0	82	120031	5.60	
43 Hexachlorobutadiene	225	11.383	11.383	0.0	97	66321	4.91	
44 Caprolactam	55	11.705	11.705	0.0	74	26379	5.30	
45 4-Chloro-3-methylphenol	107	11.854	11.854	0.0	89	89612	5.55	
46 2-Methylnaphthalene	142	12.114	12.114	0.0	88	241496	5.01	
47 1-Methylnaphthalene	142	12.239	12.239	0.0	90	250999	4.97	
48 Hexachlorocyclopentadiene	237	12.301	12.301	0.0	89	56467	5.03	
49 1,2,4,5-Tetrachlorobenzene	216	12.321	12.321	0.0	97	108423	4.94	
50 2,4,6-Trichlorophenol	196	12.436	12.436	0.0	88	66633	4.84	
51 2,4,5-Trichlorophenol	196	12.484	12.484	0.0	96	69619	5.10	
52 1,1'-Biphenyl	154	12.657	12.657	0.0	92	302221	4.90	
53 2-Chloronaphthalene	162	12.710	12.710	0.0	94	274593	4.90	
54 Phenyl ether	170	12.768	12.768	0.0	90	168166	5.04	
55 2-Nitroaniline	138	12.806	12.806	0.0	82	66631	5.58	
56 Dimethyl phthalate	163	12.965	12.965	0.0	98	273947	4.97	
57 2,6-Dinitrotoluene	165	13.056	13.056	0.0	0	63854	5.41	A
58 Acenaphthylene	152	13.191	13.191	0.0	97	385932	5.12	
59 3-Nitroaniline	138	13.263	13.263	0.0	92	40687	4.96	
60 2,4-Dinitrophenol	184	13.374	13.374	0.0	50	18588	4.20	
61 Acenaphthene	153	13.378	13.378	0.0	93	257186	4.87	
62 4-Nitrophenol	139	13.388	13.388	0.0	36	42935	4.88	
63 2,4-Dinitrotoluene	165	13.508	13.508	0.0	91	74559	5.26	
64 Dibenzofuran	168	13.561	13.561	0.0	95	325694	5.22	
65 2,3,4,6-Tetrachlorophenol	232	13.633	13.633	0.0	0	44184	4.43	
66 Diethyl phthalate	149	13.720	13.720	0.0	98	288160	5.11	
67 4-Chlorophenyl phenyl ether	204	13.888	13.888	0.0	88	123722	5.14	
69 Fluorene	166	13.927	13.927	0.0	79	269049	5.10	
68 4-Nitroaniline	138	13.927	13.927	0.0	34	40189	5.09	
70 4,6-Dinitro-2-methylphenol	198	13.941	13.941	0.0	77	30676	4.31	
71 Diphenylamine	169	14.004	14.004	0.0	0	221473	5.13	
72 N-Nitrosodiphenylamine	169	14.004	14.004	0.0	50	221473	6.00	
74 Azobenzene	77	14.057	14.057	0.0	90	298097	5.16	
73 1,2-Diphenylhydrazine	77	14.057	14.057	0.0	1	298097	5.16	
13 Benzophenone	105	14.066	14.066	0.0	93	233194	5.14	
75 4-Bromophenyl phenyl ether	248	14.393	14.393	0.0	55	68618	5.10	
77 Atrazine	200	14.494	14.494	0.0	72	66193	5.14	
76 Hexachlorobenzene	284	14.499	14.499	0.0	85	69445	4.78	
78 Pentachlorophenol	266	14.677	14.677	0.0	82	26912	3.81	
79 Pentachloronitrobenzene	237	14.691	14.691	0.0	84	30342	5.17	
80 Phenanthrene	178	14.898	14.898	0.0	98	361526	5.08	A
81 Anthracene	178	14.951	14.951	0.0	97	352533	5.16	
83 Carbazole	167	15.076	15.076	0.0	81	273422	5.25	
84 Di-n-butyl phthalate	149	15.297	15.297	0.0	99	483472	5.22	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
87 Fluoranthene	202	16.009	16.009	0.0	98	373445	5.19	
86 Benzidine	184	16.076	16.076	0.0	99	40200	3.54	
85 Pyrene	202	16.245	16.245	0.0	98	378246	5.05	
89 Butyl benzyl phthalate	149	16.725	16.725	0.0	93	205856	5.27	
92 Bis(2-ethylhexyl) phthalate	149	17.317	17.317	0.0	91	292795	5.49	
91 3,3'-Dichlorobenzidine	252	17.452	17.452	0.0	58	61782	4.41	
93 Benzo[a]anthracene	228	17.567	17.567	0.0	100	295724	4.83	
94 Chrysene	228	17.625	17.625	0.0	97	293420	4.95	
95 Di-n-octyl phthalate	149	18.226	18.226	0.0	98	456271	6.72	
97 Benzo[b]fluoranthene	252	19.327	19.327	0.0	98	278141	5.40	
98 Benzo[k]fluoranthene	252	19.380	19.380	0.0	96	264247	5.31	
99 Benzo[a]pyrene	252	20.039	20.039	0.0	74	205594	4.95	
101 Dibenz(a,h)anthracene	278	23.068	23.068	0.0	67	132015	4.66	
100 Indeno[1,2,3-cd]pyrene	276	23.073	23.073	0.0	93	163246	4.92	
102 Benzo[g,h,i]perylene	276	23.996	23.996	0.0	94	141906	4.97	

QC Flag Legend

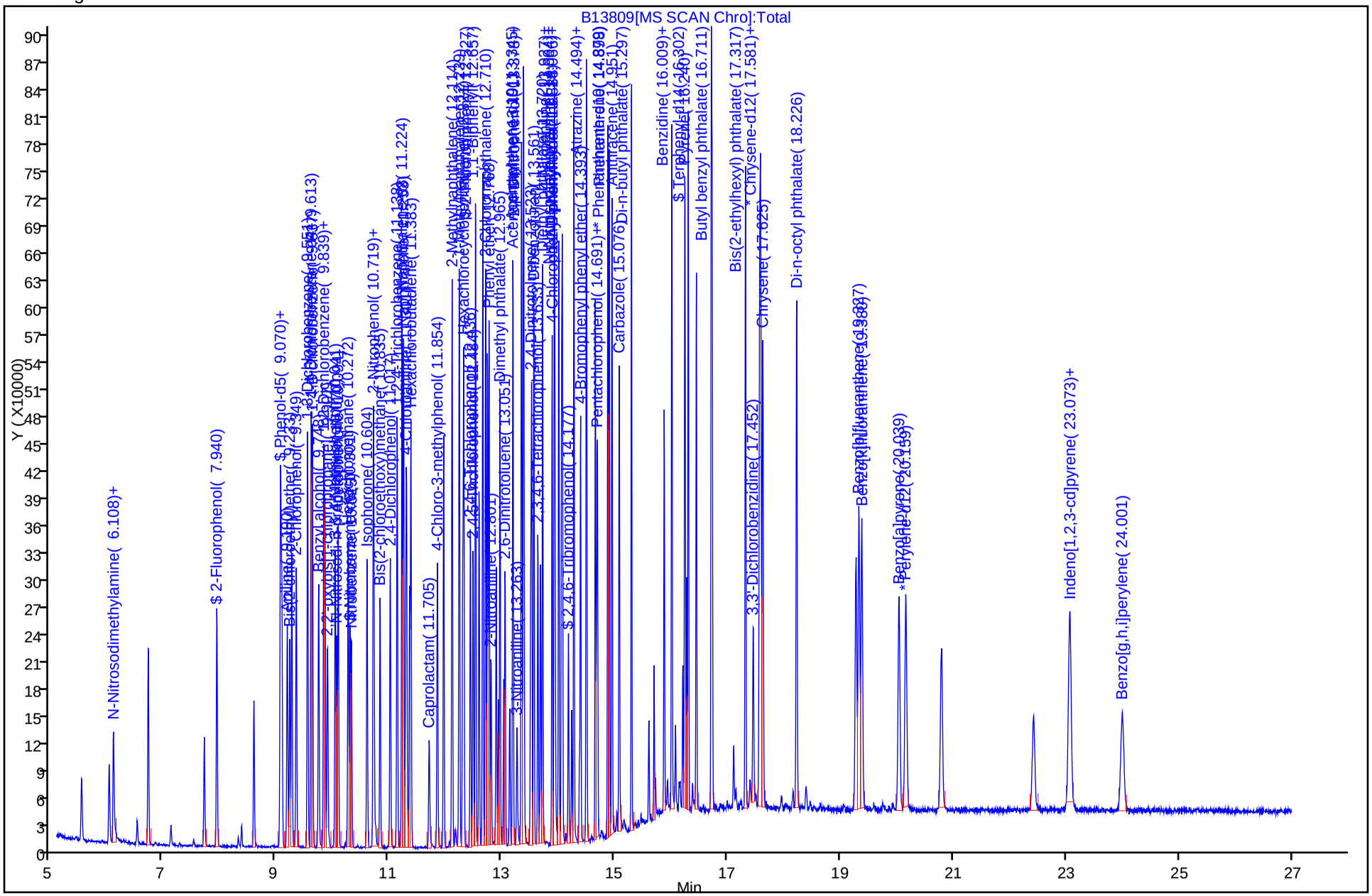
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 23-Dec-2010 07:33:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13809.D

Injection Date:	22-Dec-2010 09:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 23-Dec-2010 07:33:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

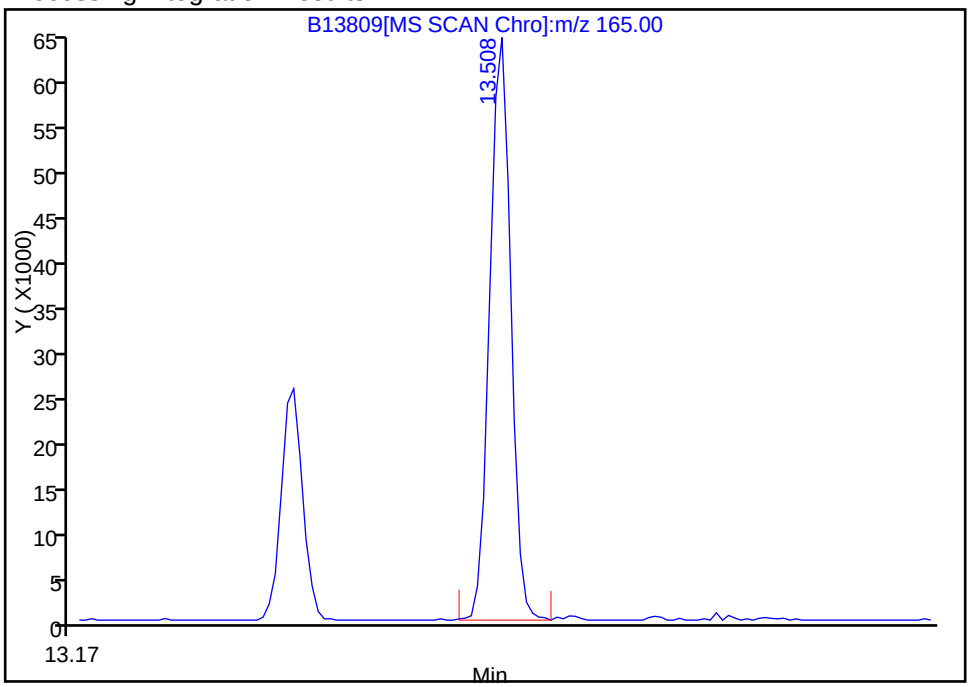
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13809.D		
Injection Date:	22-Dec-2010 09:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

57 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 13.06

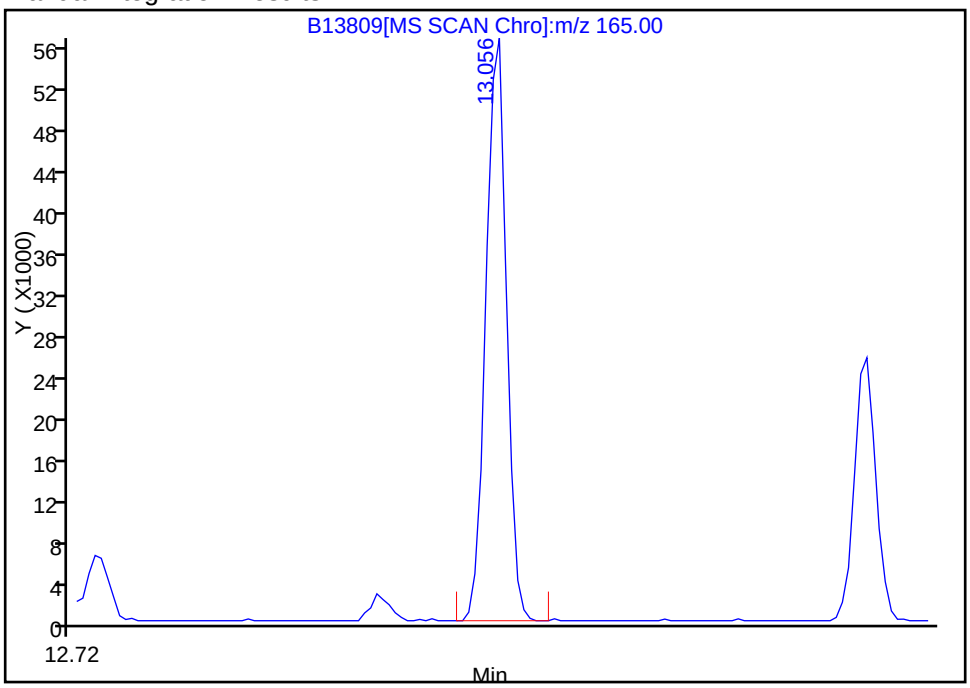
Processing Integration Results

RT: 13.51
Response: 74559
Amount: 6.311769



Manual Integration Results

RT: 13.06
Response: 63854
Amount: 5.405540



Reviewer: testerc, 22-Dec-2010 11:14:28
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 23-Dec-2010 07:33:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

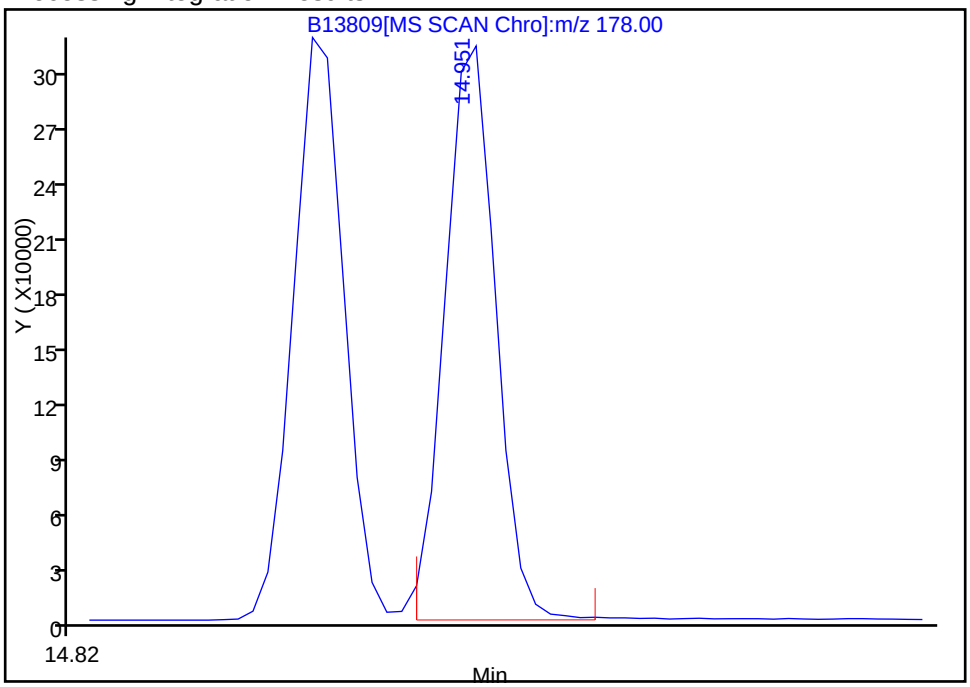
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13809.D		
Injection Date:	22-Dec-2010 09:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

80 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 14.90

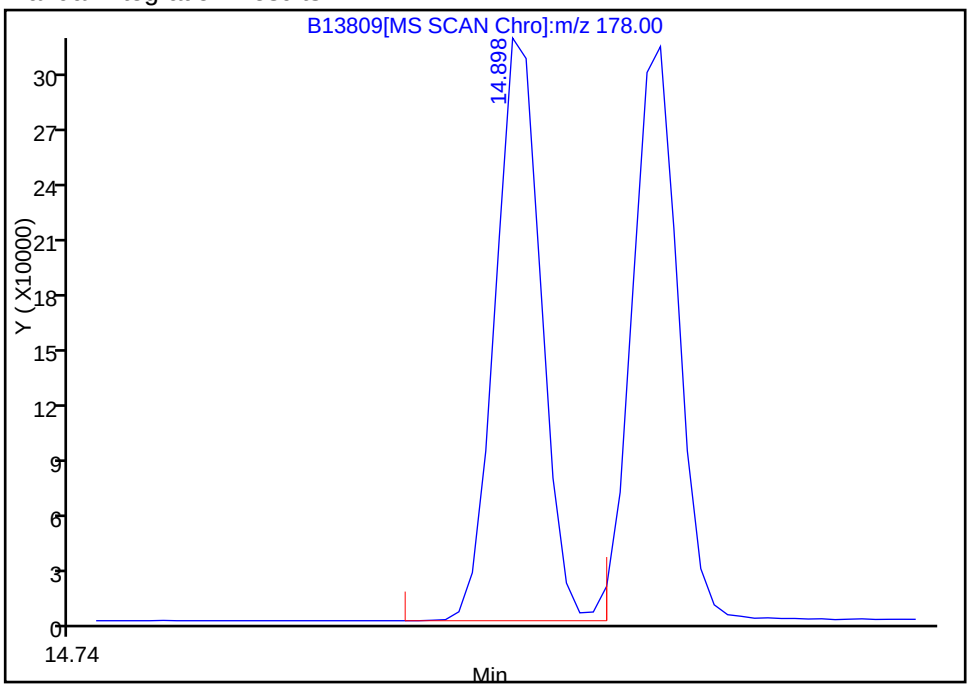
Processing Integration Results

RT: 14.95
Response: 350393
Amount: 4.921916



Manual Integration Results

RT: 14.90
Response: 361526
Amount: 5.078299



Reviewer: testerc, 22-Dec-2010 11:14:28
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 23-Dec-2010 07:33:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

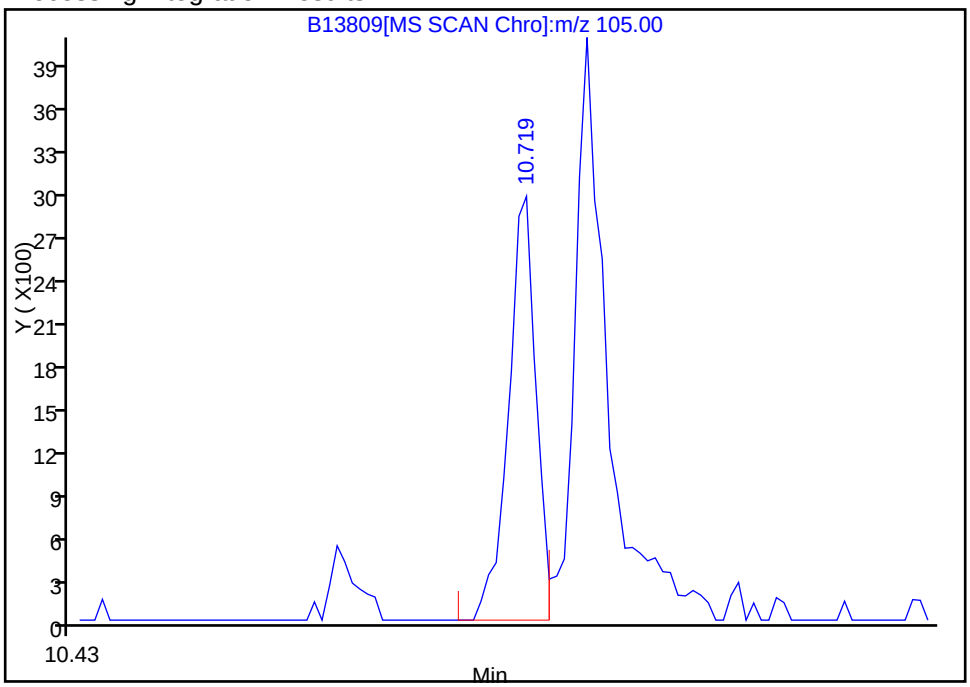
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13809.D		
Injection Date:	22-Dec-2010 09:09:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67515	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

36 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 10.76

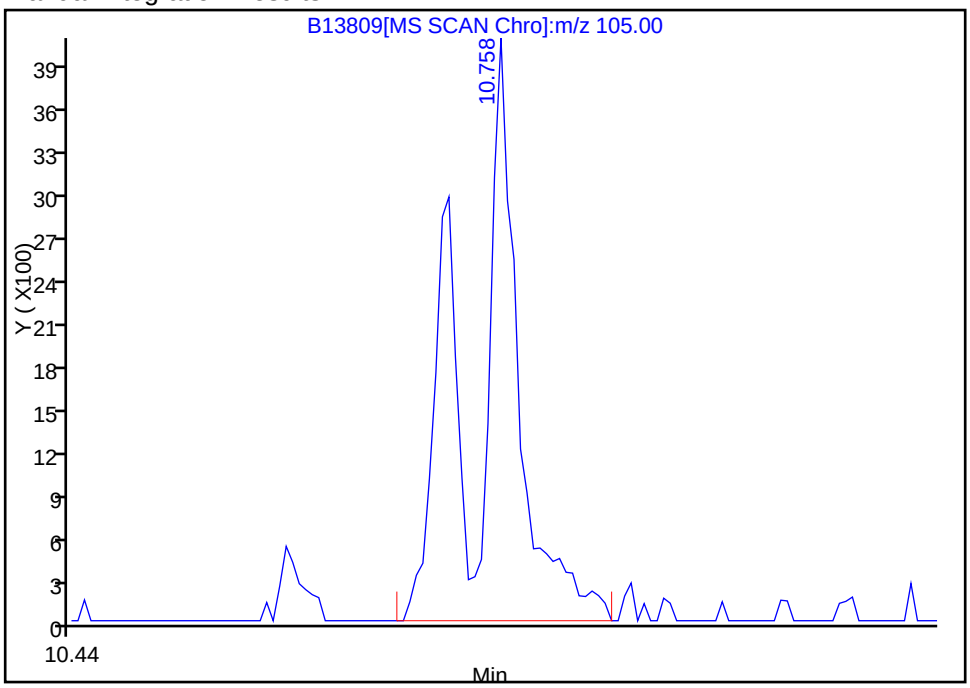
Processing Integration Results

RT: 10.72
Response: 3621
Amount: 1.092633



Manual Integration Results

RT: 10.76
Response: 9615
Amount: 1.831393



Reviewer: testerc, 22-Dec-2010 11:14:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICV 360-67510/11 Calibration Date: 12/21/2010 19:04

Instrument ID: Inst. J Calib Start Date: 11/10/2010 11:02

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 11/10/2010 14:53

Lab File ID: J2081.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Alpha-Terpineol	Ave	0.1676				5000		20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2081.D
Lims ID: ICV Client ID:
Inject. Date: 21-Dec-2010 19:04:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 11
Lims Batch ID: 67510 Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:46:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.930	7.932	-0.002	94	89771	4.00	
* 2 Naphthalene-d8	136	9.258	9.259	-0.001	99	374701	4.00	
* 3 Acenaphthene-d10	164	11.042	11.043	-0.001	91	179084	4.00	
* 4 Phenanthrene-d10	188	12.542	12.539	0.003	95	306697	4.00	
* 5 Chrysene-d12	240	15.139	15.140	-0.001	78	188892	4.00	
* 6 Perylene-d12	264	16.365	16.362	0.003	81	61481	4.00	
13 1,4-Dioxane	88	3.737	3.715	0.022	95	30657	4.73	
14 N-Nitrosodimethylamine	42	4.391	4.378	0.013	68	51034	4.67	
15 Pyridine	52	4.449	4.436	0.013	81	61134	4.83	
16 Benzaldehyde	105	7.459	7.461	-0.002	18	54969	3.92	
17 Phenol	94	7.526	7.528	-0.002	99	101380	4.84	
18 Aniline	93	7.574	7.576	-0.002	92	55997	2.26	
19 Bis(2-chloroethyl)ether	93	7.627	7.634	-0.007	99	83002	4.87	
20 2-Chlorophenol	128	7.704	7.711	-0.007	91	115390	4.97	
21 1,3-Dichlorobenzene	146	7.873	7.874	-0.001	98	129772	4.98	
22 1,4-Dichlorobenzene	146	7.950	7.951	-0.001	97	135864	5.07	
23 Benzyl alcohol	79	8.060	8.062	-0.002	95	62695	4.86	
24 1,2-Dichlorobenzene	146	8.113	8.115	-0.002	99	122358	4.93	
25 2-Methylphenol	108	8.171	8.168	0.003	94	82443	4.92	
26 2,2'-oxybis[1-chloropropane]	45	8.200	8.201	-0.001	85	112930	4.73	
27 3 & 4 Methylphenol	107	8.320	8.326	-0.006	95	106569	5.49	
28 N-Nitrosodi-n-propylamine	42	8.334	8.336	-0.002	94	44953	4.88	
29 Acetophenone	105	8.344	8.345	-0.001	93	125917	4.82	
30 Hexachloroethane	117	8.474	8.475	-0.001	96	45027	4.78	
31 Nitrobenzene	77	8.527	8.533	-0.006	88	77598	4.41	
32 Isophorone	82	8.762	8.764	-0.002	94	113243	3.61	
35 2-Nitrophenol	139	8.858	8.860	-0.002	89	60683	4.94	
33 2,4-Dimethylphenol	107	8.873	8.874	-0.001	90	95688	4.85	
34 Benzoic acid	105	8.935	8.927	0.008	32	36336	7.94	
36 Bis(2-chloroethoxy)methane	93	8.969	8.971	-0.002	96	94396	4.50	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
37 2,4-Dichlorophenol	162	9.099	9.100	-0.001	89	83907	4.62	
38 1,2,4-Trichlorobenzene	180	9.195	9.197	-0.002	95	97360	4.44	
40 Naphthalene	128	9.282	9.283	-0.001	97	335191	4.60	
41 4-Chloroaniline	127	9.315	9.317	-0.002	82	95653	3.37	
42 Hexachlorobutadiene	225	9.397	9.399	-0.002	96	52466	4.90	
43 Caprolactam	55	9.647	9.653	-0.006	85	31283	4.55	
44 4-Chloro-3-methylphenol	107	9.782	9.783	-0.001	94	80331	4.67	
45 2-Methylnaphthalene	142	9.979	9.980	-0.001	89	217840	4.75	
46 1-Methylnaphthalene	142	10.080	10.081	-0.001	92	203587	4.45	
47 Hexachlorocyclopentadiene	237	10.138	10.139	-0.001	96	36270	4.48	
48 1,2,4,5-Tetrachlorobenzene	216	10.152	10.154	-0.002	96	88772	4.80	
49 2,4,6-Trichlorophenol	196	10.253	10.255	-0.002	88	56532	5.50	
50 2,4,5-Trichlorophenol	196	10.291	10.293	-0.002	95	56845	5.49	
51 1,1'-Biphenyl	154	10.441	10.442	-0.001	91	266872	5.22	
52 2-Chloronaphthalene	162	10.474	10.476	-0.002	96	197829	4.26	
53 Phenyl ether	170	10.537	10.538	-0.001	95	132968	4.55	
54 2-Nitroaniline	138	10.561	10.562	-0.001	81	70068	5.57	
56 Dimethyl phthalate	163	10.719	10.721	-0.002	99	235768	5.35	
57 2,6-Dinitrotoluene	165	10.792	10.793	-0.001	93	52902	5.17	
58 Acenaphthylene	152	10.897	10.904	-0.007	97	302040	4.79	
59 3-Nitroaniline	138	10.969	10.971	-0.002	89	49547	4.84	
61 2,4-Dinitrophenol	184	11.070	11.072	-0.002	98	19254	6.07	
62 Acenaphthene	153	11.070	11.077	-0.007	91	220947	5.51	
60 4-Nitrophenol	139	11.104	11.101	0.003	48	39465	5.56	
63 2,4-Dinitrotoluene	165	11.200	11.202	-0.002	94	68855	5.36	
64 Dibenzofuran	168	11.244	11.245	-0.001	94	266370	5.02	
65 2,3,4,6-Tetrachlorophenol	232	11.359	11.317	0.042	0	38239	5.05	
66 Diethyl phthalate	149	11.417	11.418	-0.001	98	252842	5.37	
67 4-Chlorophenyl phenyl ether	204	11.561	11.563	-0.002	92	103742	5.18	
68 4-Nitroaniline	138	11.585	11.587	-0.002	46	52413	5.64	
70 Fluorene	166	11.590	11.591	-0.001	81	239674	5.52	
69 4,6-Dinitro-2-methylphenol	198	11.614	11.615	-0.001	88	32506	5.90	
75 N-Nitrosodiphenylamine	169	11.676	11.678	-0.002	52	155128	5.01	
73 1,2-Diphenylhydrazine	77	11.724	11.726	-0.002	1	234820	4.76	
72 Azobenzene	77	11.724	11.726	-0.002	88	234820	4.76	
74 Benzophenone	105	11.739	11.736	0.003	88	184957	4.69	
76 4-Bromophenyl phenyl ether	248	12.061	12.058	0.003	56	53748	5.38	
78 Hexachlorobenzene	284	12.157	12.154	0.003	90	51882	5.35	
77 Atrazine	200	12.181	12.183	-0.002	65	56101	5.16	
79 Pentachlorophenol	266	12.340	12.337	0.003	87	26730	5.75	
80 Pentachloronitrobenzene	237	12.354	12.356	-0.002	78	25839	5.46	
81 Phenanthrene	178	12.566	12.563	0.003	98	309448	5.16	
82 Anthracene	178	12.614	12.616	-0.002	97	308391	5.33	
83 Carbazole	167	12.758	12.760	-0.002	82	243901	5.18	
84 Di-n-butyl phthalate	149	13.042	13.044	-0.002	100	383320	5.03	
86 Fluoranthene	202	13.759	13.760	-0.001	97	286637	5.34	
87 Benzidine	184	13.850	13.852	-0.002	99	3298	0.2167	
88 Pyrene	202	13.989	13.991	-0.002	98	303111	5.43	
90 Butyl benzyl phthalate	149	14.518	14.520	-0.002	92	141464	4.92	
91 Bis(2-ethylhexyl) phthalate	149	15.028	15.030	-0.002	92	177039	4.96	
92 3,3'-Dichlorobenzidine	252	15.067	15.068	-0.001	53	41266	4.49	
93 Benzo[a]anthracene	228	15.124	15.126	-0.002	99	207497	5.46	

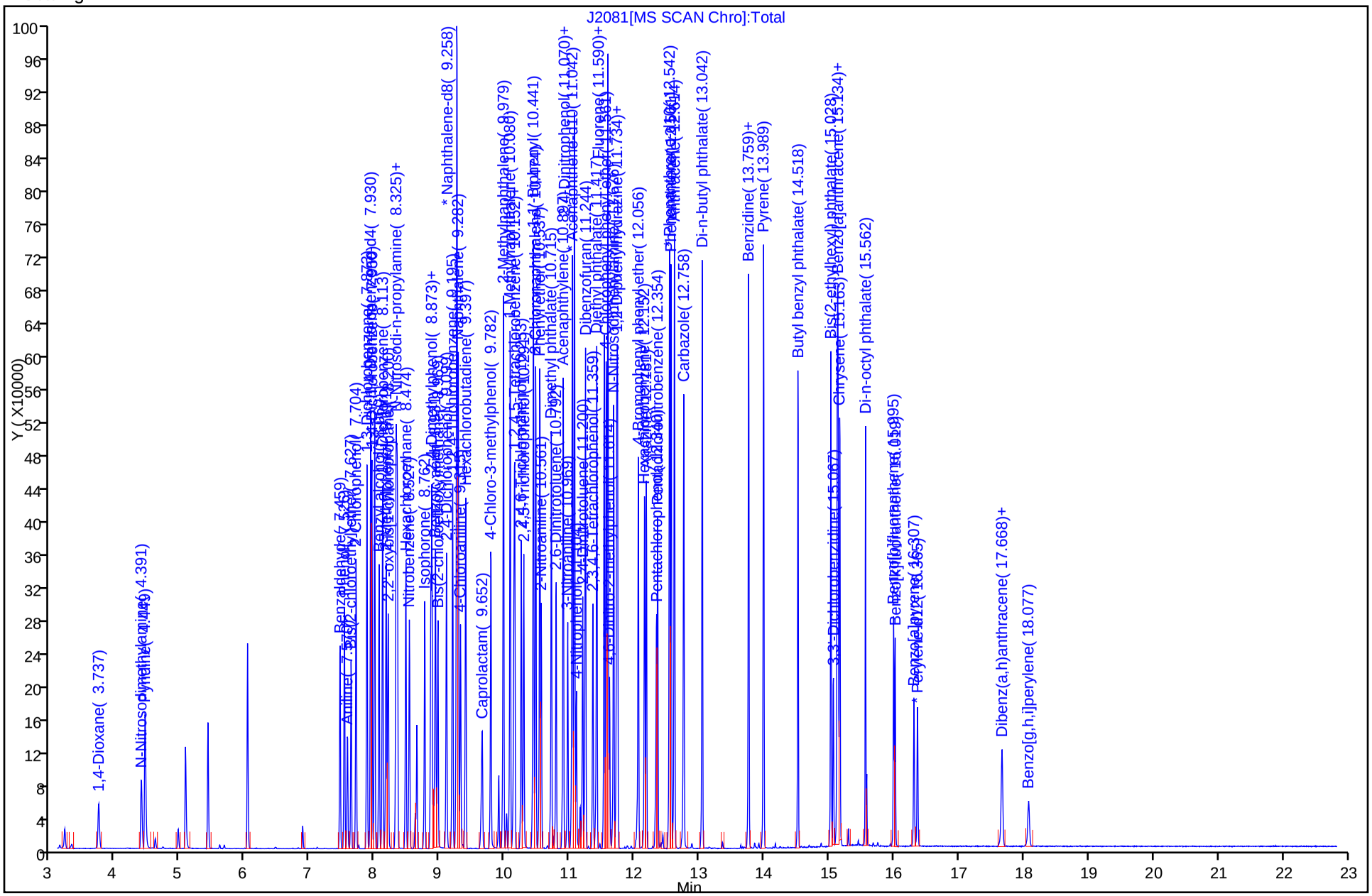
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
94 Chrysene	228	15.168	15.164	0.004	97	187786	5.36	
95 Di-n-octyl phthalate	149	15.562	15.563	-0.001	99	186387	4.88	
97 Benzo[b]fluoranthene	252	15.995	15.996	-0.001	99	98230	5.68	
98 Benzo[k]fluoranthene	252	16.019	16.020	-0.001	97	83037	5.30	
99 Benzo[a]pyrene	252	16.307	16.309	-0.002	76	66951	5.42	
102 Indeno[1,2,3-cd]pyrene	276	17.663	17.665	-0.002	91	46065	4.97	
100 Dibenz(a,h)anthracene	278	17.668	17.670	-0.002	67	35211	4.73	
101 Benzo[g,h,i]perylene	276	18.077	18.074	0.003	94	38088	5.04	

Report Date: 22-Dec-2010 14:46:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2081.D

Injection Date:	21-Dec-2010 19:04:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	11
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICV 360-67510/11 Calibration Date: 12/21/2010 19:04

Instrument ID: Inst. J Calib Start Date: 12/21/2010 14:12

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/21/2010 18:32

Lab File ID: J2081.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.2889	0.2732		4730	5000	-5.4	20.0
N-Nitrosodimethylamine	Ave	0.4872	0.4548		4670	5000	-6.6	20.0
Pyridine	Ave	0.5641	0.5448		4830	5000	-3.4	20.0
Benzaldehyde	Ave	0.6251	0.4899		3920	5000	-21.6*	20.0
Phenol	Ave	0.9331	0.9035	0.8000	4840	5000	-3.2	20.0
Aniline	Ave	1.105	0.4990		2260	5000	-54.9*	20.0
Bis(2-chloroethyl)ether	Ave	0.7589	0.7397	0.7000	4870	5000	-2.5	20.0
2-Chlorophenol	Ave	1.035	1.028	0.8000	4970	5000	-0.6	20.0
1,3-Dichlorobenzene	Ave	1.162	1.156		4980	5000	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.195	1.211		5070	5000	1.3	20.0
Benzyl alcohol	Ave	0.5754	0.5587		4860	5000	-2.9	20.0
1,2-Dichlorobenzene	Ave	1.107	1.090		4930	5000	-1.5	20.0
2-Methylphenol	Ave	0.7470	0.7347	0.7000	4920	5000	-1.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.063	1.006	0.0100	4730	5000	-5.3	20.0
3 & 4 Methylphenol	Ave	0.8656	0.9497	0.6000	5490	5000	9.7	20.0
N-Nitrosodi-n-propylamine	Ave	0.4107	0.4006		4880	5000	-2.5	20.0
Acetophenone	Ave	1.164	1.122	0.0100	4820	5000	-3.6	20.0
Hexachloroethane	Ave	0.4199	0.4013	0.3000	4780	5000	-4.4	20.0
Nitrobenzene	Lin1		0.1657*	0.2000	4410	5000	-11.9	20.0
Isophorone	Lin1		0.2418*	0.4000	3610	5000	-27.9*	20.0
2-Nitrophenol	Ave	0.1312	0.1296	0.1000	4940	5000	-1.3	20.0
2,4-Dimethylphenol	Ave	0.2106	0.2043	0.2000	4850	5000	-3.0	20.0
Benzoic acid	Qua		0.3238		7940	5000	58.8*	20.0
Bis(2-chloroethoxy)methane	Lin1		0.2015*	0.3000	4500	5000	-10.0	20.0
2,4-Dichlorophenol	Lin1		0.1791*	0.2000	4620	5000	-7.6	20.0
1,2,4-Trichlorobenzene	Ave	0.2341	0.2079		4440	5000	-11.2	20.0
Naphthalene	Ave	0.7775	0.7156	0.7000	4600	5000	-8.0	20.0
4-Chloroaniline	Ave	0.3026	0.2042	0.0100	3370	5000	-32.5*	20.0
Hexachlorobutadiene	Ave	0.1144	0.1120	0.0100	4900	5000	-2.1	20.0
Caprolactam	Lin		0.0668		4550	5000	-9.0	20.0
4-Chloro-3-methylphenol	Ave	0.1837	0.1715		4670	5000	-6.7	20.0
2-Methylnaphthalene	Ave	0.4892	0.4651	0.4000	4750	5000	-4.9	20.0
1-Methylnaphthalene	Ave	0.4884	0.4347		4450	5000	-11.0	20.0
Hexachlorocyclopentadiene	Ave	0.1807	0.1620		4480	5000	-10.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.1976	0.1895		4800	5000	-4.1	20.0
2,4,6-Trichlorophenol	Ave	0.2295	0.2525	0.2000	5500	5000	10.0	20.0
2,4,5-Trichlorophenol	Ave	0.2312	0.2539	0.2000	5490	5000	9.8	20.0
1,1'-Biphenyl	Ave	1.142	1.192		5220	5000	4.4	20.0
2-Chloronaphthalene	Ave	1.038	0.8837		4260	5000	-14.9	20.0
Diphenyl oxide	Ave	0.3123	0.2839		4550	5000	-9.1	20.0
2-Nitroaniline	Ave	0.2809	0.3130		5570	5000	11.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICV 360-67510/11 Calibration Date: 12/21/2010 19:04

Instrument ID: Inst. J Calib Start Date: 12/21/2010 14:12

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/21/2010 18:32

Lab File ID: J2081.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	0.9841	1.053	0.0100	5350	5000	7.0	20.0
2,6-Dinitrotoluene	Ave	0.2286	0.2363	0.2000	5170	5000	3.4	20.0
Acenaphthylene	Ave	1.408	1.349	0.9000	4790	5000	-4.1	20.0
3-Nitroaniline	Ave	0.2286	0.2213		4840	5000	-3.2	20.0
2,4-Dinitrophenol	QuaF		0.0860	0.0100	6070	5000	21.3*	20.0
Acenaphthene	Lin1		0.9870	0.9000	5510	5000	10.1	20.0
4-Nitrophenol	Lin		0.1763	0.0100	5560	5000	11.2	20.0
2,4-Dinitrotoluene	Ave	0.2871	0.3076	0.2000	5360	5000	7.1	20.0
Dibenzofuran	Ave	1.184	1.190	0.8000	5020	5000	0.5	20.0
2,3,4,6-Tetrachlorophenol	Lin		0.1708		5050	5000	1.0	20.0
Diethyl phthalate	Ave	1.051	1.129	0.0100	5370	5000	7.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.4473	0.4634		5180	5000	3.6	20.0
4-Nitroaniline	Ave	0.2074	0.2341		5640	5000	12.9	20.0
Fluorene	Ave	0.9691	1.071	0.9000	5520	5000	10.5	20.0
4,6-Dinitro-2-methylphenol	Lin		0.0848		5900	5000	17.9	20.0
N-Nitrosodiphenylamine	Ave	0.4035	0.4046		5010	5000	0.3	20.0
1,2-Diphenylhydrazine	Ave	0.6435	0.6125		4760	5000	-4.8	20.0
Azobenzene	Ave	0.6435	0.6125		4760	5000	-4.8	20.0
Benzophenone	Ave	0.5147	0.4825		4690	5000	-6.3	20.0
4-Bromophenyl phenyl ether	Ave	0.1302	0.1402	0.1000	5380	5000	7.7	20.0
Hexachlorobenzene	Ave	0.1264	0.1353	0.1000	5350	5000	7.0	20.0
Atrazine	Ave	0.1419	0.1463		5160	5000	3.1	20.0
Pentachlorophenol	Lin1		0.0697	0.0500	5750	5000	15.1	20.0
Pentachloronitrobenzene	Ave	0.0617	0.0674		5460	5000	9.2	20.0
Phenanthrene	Ave	0.7826	0.8072	0.7000	5160	5000	3.1	20.0
Anthracene	Ave	0.7548	0.8044	0.7000	5330	5000	6.6	20.0
Carbazole	Ave	0.6138	0.6362		5180	5000	3.6	20.0
Di-n-butyl phthalate	Ave	0.9937	1.000	0.0100	5030	5000	0.6	20.0
Fluoranthene	Ave	0.6998	0.7477	0.6000	5340	5000	6.8	20.0
Benzidine	Ave	0.1985	0.0086		217	5000	-95.7*	20.0
Pyrene	Ave	1.183	1.284	0.6000	5430	5000	8.5	20.0
Butyl benzyl phthalate	Ave	0.6085	0.5991	0.0100	4920	5000	-1.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7558	0.7498	0.0100	4960	5000	-0.8	20.0
3,3'-Dichlorobenzidine	Ave	0.1947	0.1748	0.0100	4490	5000	-10.3	20.0
Benzo[a]anthracene	Ave	0.8042	0.8788	0.8000	5460	5000	9.3	20.0
Chrysene	Ave	0.7423	0.7953	0.7000	5360	5000	7.1	20.0
Di-n-octyl phthalate	Lin		2.425	0.0100	4880	5000	-2.4	20.0
Benzo[b]fluoranthene	Ave	1.125	1.278	0.7000	5680	5000	13.7	20.0
Benzo[k]fluoranthene	Ave	1.019	1.080	0.7000	5300	5000	6.0	20.0
Benzo[a]pyrene	Ave	0.8036	0.8712	0.7000	5420	5000	8.4	20.0
Indeno[1,2,3-cd]pyrene	Lin		0.5994	0.5000	4970	5000	-0.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICV 360-67510/11 Calibration Date: 12/21/2010 19:04

Instrument ID: Inst. J Calib Start Date: 12/21/2010 14:12

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/21/2010 18:32

Lab File ID: J2081.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Lin		0.4582	0.4000	4730	5000	-5.4	20.0
Benzo[g,h,i]perylene	Lin1		0.4956*	0.5000	5040	5000	0.8	20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2081.D
Lims ID: ICV Client ID:
Inject. Date: 21-Dec-2010 19:04:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 11
Lims Batch ID: 67510 Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:46:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.930	7.932	-0.002	94	89771	4.00	
* 2 Naphthalene-d8	136	9.258	9.259	-0.001	99	374701	4.00	
* 3 Acenaphthene-d10	164	11.042	11.043	-0.001	91	179084	4.00	
* 4 Phenanthrene-d10	188	12.542	12.539	0.003	95	306697	4.00	
* 5 Chrysene-d12	240	15.139	15.140	-0.001	78	188892	4.00	
* 6 Perylene-d12	264	16.365	16.362	0.003	81	61481	4.00	
13 1,4-Dioxane	88	3.737	3.715	0.022	95	30657	4.73	
14 N-Nitrosodimethylamine	42	4.391	4.378	0.013	68	51034	4.67	
15 Pyridine	52	4.449	4.436	0.013	81	61134	4.83	
16 Benzaldehyde	105	7.459	7.461	-0.002	18	54969	3.92	
17 Phenol	94	7.526	7.528	-0.002	99	101380	4.84	
18 Aniline	93	7.574	7.576	-0.002	92	55997	2.26	
19 Bis(2-chloroethyl)ether	93	7.627	7.634	-0.007	99	83002	4.87	
20 2-Chlorophenol	128	7.704	7.711	-0.007	91	115390	4.97	
21 1,3-Dichlorobenzene	146	7.873	7.874	-0.001	98	129772	4.98	
22 1,4-Dichlorobenzene	146	7.950	7.951	-0.001	97	135864	5.07	
23 Benzyl alcohol	79	8.060	8.062	-0.002	95	62695	4.86	
24 1,2-Dichlorobenzene	146	8.113	8.115	-0.002	99	122358	4.93	
25 2-Methylphenol	108	8.171	8.168	0.003	94	82443	4.92	
26 2,2'-oxybis[1-chloropropane]	45	8.200	8.201	-0.001	85	112930	4.73	
27 3 & 4 Methylphenol	107	8.320	8.326	-0.006	95	106569	5.49	
28 N-Nitrosodi-n-propylamine	42	8.334	8.336	-0.002	94	44953	4.88	
29 Acetophenone	105	8.344	8.345	-0.001	93	125917	4.82	
30 Hexachloroethane	117	8.474	8.475	-0.001	96	45027	4.78	
31 Nitrobenzene	77	8.527	8.533	-0.006	88	77598	4.41	
32 Isophorone	82	8.762	8.764	-0.002	94	113243	3.61	
35 2-Nitrophenol	139	8.858	8.860	-0.002	89	60683	4.94	
33 2,4-Dimethylphenol	107	8.873	8.874	-0.001	90	95688	4.85	
34 Benzoic acid	105	8.935	8.927	0.008	32	36336	7.94	
36 Bis(2-chloroethoxy)methane	93	8.969	8.971	-0.002	96	94396	4.50	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
37 2,4-Dichlorophenol	162	9.099	9.100	-0.001	89	83907	4.62	
38 1,2,4-Trichlorobenzene	180	9.195	9.197	-0.002	95	97360	4.44	
40 Naphthalene	128	9.282	9.283	-0.001	97	335191	4.60	
41 4-Chloroaniline	127	9.315	9.317	-0.002	82	95653	3.37	
42 Hexachlorobutadiene	225	9.397	9.399	-0.002	96	52466	4.90	
43 Caprolactam	55	9.647	9.653	-0.006	85	31283	4.55	
44 4-Chloro-3-methylphenol	107	9.782	9.783	-0.001	94	80331	4.67	
45 2-Methylnaphthalene	142	9.979	9.980	-0.001	89	217840	4.75	
46 1-Methylnaphthalene	142	10.080	10.081	-0.001	92	203587	4.45	
47 Hexachlorocyclopentadiene	237	10.138	10.139	-0.001	96	36270	4.48	
48 1,2,4,5-Tetrachlorobenzene	216	10.152	10.154	-0.002	96	88772	4.80	
49 2,4,6-Trichlorophenol	196	10.253	10.255	-0.002	88	56532	5.50	
50 2,4,5-Trichlorophenol	196	10.291	10.293	-0.002	95	56845	5.49	
51 1,1'-Biphenyl	154	10.441	10.442	-0.001	91	266872	5.22	
52 2-Chloronaphthalene	162	10.474	10.476	-0.002	96	197829	4.26	
53 Phenyl ether	170	10.537	10.538	-0.001	95	132968	4.55	
54 2-Nitroaniline	138	10.561	10.562	-0.001	81	70068	5.57	
56 Dimethyl phthalate	163	10.719	10.721	-0.002	99	235768	5.35	
57 2,6-Dinitrotoluene	165	10.792	10.793	-0.001	93	52902	5.17	
58 Acenaphthylene	152	10.897	10.904	-0.007	97	302040	4.79	
59 3-Nitroaniline	138	10.969	10.971	-0.002	89	49547	4.84	
61 2,4-Dinitrophenol	184	11.070	11.072	-0.002	98	19254	6.07	
62 Acenaphthene	153	11.070	11.077	-0.007	91	220947	5.51	
60 4-Nitrophenol	139	11.104	11.101	0.003	48	39465	5.56	
63 2,4-Dinitrotoluene	165	11.200	11.202	-0.002	94	68855	5.36	
64 Dibenzofuran	168	11.244	11.245	-0.001	94	266370	5.02	
65 2,3,4,6-Tetrachlorophenol	232	11.359	11.317	0.042	0	38239	5.05	
66 Diethyl phthalate	149	11.417	11.418	-0.001	98	252842	5.37	
67 4-Chlorophenyl phenyl ether	204	11.561	11.563	-0.002	92	103742	5.18	
68 4-Nitroaniline	138	11.585	11.587	-0.002	46	52413	5.64	
70 Fluorene	166	11.590	11.591	-0.001	81	239674	5.52	
69 4,6-Dinitro-2-methylphenol	198	11.614	11.615	-0.001	88	32506	5.90	
75 N-Nitrosodiphenylamine	169	11.676	11.678	-0.002	52	155128	5.01	
73 1,2-Diphenylhydrazine	77	11.724	11.726	-0.002	1	234820	4.76	
72 Azobenzene	77	11.724	11.726	-0.002	88	234820	4.76	
74 Benzophenone	105	11.739	11.736	0.003	88	184957	4.69	
76 4-Bromophenyl phenyl ether	248	12.061	12.058	0.003	56	53748	5.38	
78 Hexachlorobenzene	284	12.157	12.154	0.003	90	51882	5.35	
77 Atrazine	200	12.181	12.183	-0.002	65	56101	5.16	
79 Pentachlorophenol	266	12.340	12.337	0.003	87	26730	5.75	
80 Pentachloronitrobenzene	237	12.354	12.356	-0.002	78	25839	5.46	
81 Phenanthrene	178	12.566	12.563	0.003	98	309448	5.16	
82 Anthracene	178	12.614	12.616	-0.002	97	308391	5.33	
83 Carbazole	167	12.758	12.760	-0.002	82	243901	5.18	
84 Di-n-butyl phthalate	149	13.042	13.044	-0.002	100	383320	5.03	
86 Fluoranthene	202	13.759	13.760	-0.001	97	286637	5.34	
87 Benzidine	184	13.850	13.852	-0.002	99	3298	0.2167	
88 Pyrene	202	13.989	13.991	-0.002	98	303111	5.43	
90 Butyl benzyl phthalate	149	14.518	14.520	-0.002	92	141464	4.92	
91 Bis(2-ethylhexyl) phthalate	149	15.028	15.030	-0.002	92	177039	4.96	
92 3,3'-Dichlorobenzidine	252	15.067	15.068	-0.001	53	41266	4.49	
93 Benzo[a]anthracene	228	15.124	15.126	-0.002	99	207497	5.46	

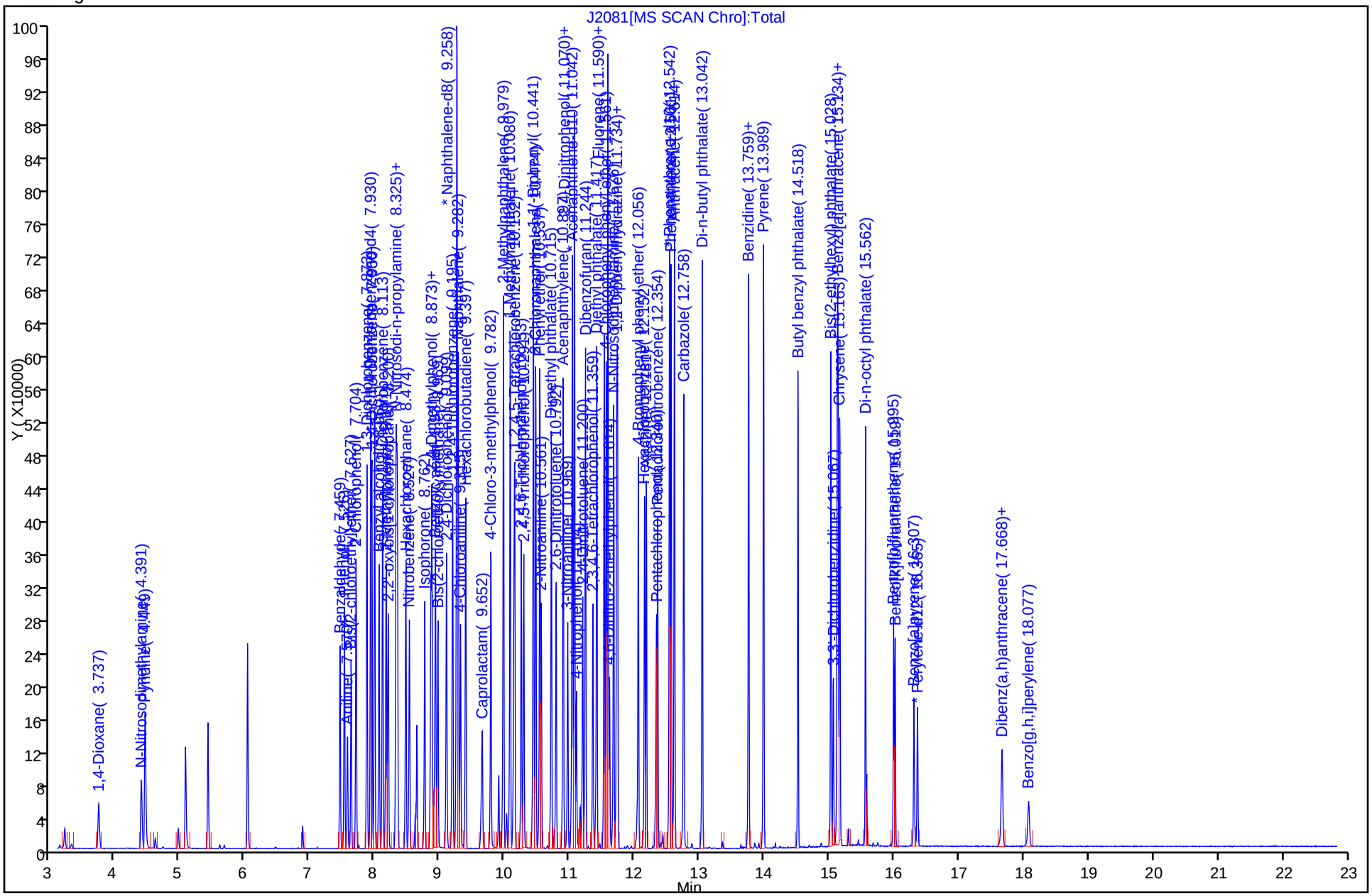
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
94 Chrysene	228	15.168	15.164	0.004	97	187786	5.36	
95 Di-n-octyl phthalate	149	15.562	15.563	-0.001	99	186387	4.88	
97 Benzo[b]fluoranthene	252	15.995	15.996	-0.001	99	98230	5.68	
98 Benzo[k]fluoranthene	252	16.019	16.020	-0.001	97	83037	5.30	
99 Benzo[a]pyrene	252	16.307	16.309	-0.002	76	66951	5.42	
102 Indeno[1,2,3-cd]pyrene	276	17.663	17.665	-0.002	91	46065	4.97	
100 Dibenz(a,h)anthracene	278	17.668	17.670	-0.002	67	35211	4.73	
101 Benzo[g,h,i]perylene	276	18.077	18.074	0.003	94	38088	5.04	

Report Date: 22-Dec-2010 14:46:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2081.D

Injection Date:	21-Dec-2010 19:04:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	11
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67612/13 Calibration Date: 12/23/2010 11:58

Instrument ID: Inst. J Calib Start Date: 12/21/2010 14:12

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/21/2010 18:32

Lab File ID: J2104.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.2889	0.2833		4900	5000	-1.9	20.0
N-Nitrosodimethylamine	Ave	0.4872	0.5053		5190	5000	3.7	20.0
Pyridine	Ave	0.5641	0.5437		4820	5000	-3.6	20.0
Benzaldehyde	Ave	0.6251	0.6115		4890	5000	-2.2	20.0
Phenol	Ave	0.9331	0.9030	0.8000	4840	5000	-3.2	20.0
Aniline	Ave	1.105	1.075		4860	5000	-2.8	20.0
Bis(2-chloroethyl)ether	Ave	0.7589	0.7183	0.7000	4730	5000	-5.3	20.0
2-Chlorophenol	Ave	1.035	1.031	0.8000	4980	5000	-0.4	20.0
1,3-Dichlorobenzene	Ave	1.162	1.150		4950	5000	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.195	1.176		4920	5000	-1.6	20.0
Benzyl alcohol	Ave	0.5754	0.5855		5090	5000	1.8	20.0
1,2-Dichlorobenzene	Ave	1.107	1.092		4930	5000	-1.4	20.0
2-Methylphenol	Ave	0.7470	0.7282	0.7000	4870	5000	-2.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.063	0.9573	0.0100	4500	5000	-9.9	20.0
3 & 4 Methylphenol	Ave	0.8656	0.8569	0.6000	4950	5000	-1.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.4107	0.4058		4940	5000	-1.2	20.0
Acetophenone	Ave	1.164	1.131	0.0100	4860	5000	-2.9	20.0
Hexachloroethane	Ave	0.4199	0.4154	0.3000	4950	5000	-1.1	20.0
Nitrobenzene	Lin1		0.1848*	0.2000	4910	5000	-1.9	20.0
Isophorone	Lin1		0.3219*	0.4000	4750	5000	-4.9	20.0
2-Nitrophenol	Ave	0.1312	0.1335	0.1000	5090	5000	1.7	20.0
2,4-Dimethylphenol	Ave	0.2106	0.2147	0.2000	5100	5000	2.0	20.0
Benzoic acid	Qua		0.0274		2620	5000	-47.6*	20.0
Bis(2-chloroethoxy)methane	Lin1		0.2142*	0.3000	4780	5000	-4.5	20.0
2,4-Dichlorophenol	Lin1		0.1894*	0.2000	4880	5000	-2.4	20.0
1,2,4-Trichlorobenzene	Ave	0.2341	0.2350		5020	5000	0.4	20.0
Naphthalene	Ave	0.7775	0.7711	0.7000	4960	5000	-0.8	20.0
4-Chloroaniline	Ave	0.3026	0.3060	0.0100	5060	5000	1.1	20.0
Hexachlorobutadiene	Ave	0.1144	0.1177	0.0100	5140	5000	2.9	20.0
Caprolactam	Lin		0.0716		4850	5000	-2.9	20.0
4-Chloro-3-methylphenol	Ave	0.1837	0.1910		5200	5000	4.0	20.0
2-Methylnaphthalene	Ave	0.4892	0.4864	0.4000	4970	5000	-0.6	20.0
1-Methylnaphthalene	Ave	0.4884	0.4850		4970	5000	-0.7	20.0
Hexachlorocyclopentadiene	Ave	0.1807	0.2157		5970	5000	19.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.1976	0.2002		5070	5000	1.3	20.0
2,4,6-Trichlorophenol	Ave	0.2295	0.2458	0.2000	5350	5000	7.1	20.0
2,4,5-Trichlorophenol	Ave	0.2312	0.2581	0.2000	5580	5000	11.6	20.0
1,1'-Biphenyl	Ave	1.142	1.153		5050	5000	1.0	20.0
2-Chloronaphthalene	Ave	1.038	1.051		5060	5000	1.2	20.0
Diphenyl oxide	Ave	0.3123	0.3127		5010	5000	0.1	20.0
2-Nitroaniline	Ave	0.2809	0.2912		5180	5000	3.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67612/13 Calibration Date: 12/23/2010 11:58

Instrument ID: Inst. J Calib Start Date: 12/21/2010 14:12

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/21/2010 18:32

Lab File ID: J2104.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	0.9841	1.002	0.0100	5090	5000	1.9	20.0
2,6-Dinitrotoluene	Ave	0.2286	0.2382	0.2000	5210	5000	4.2	20.0
Acenaphthylene	Ave	1.408	1.438	0.9000	5110	5000	2.2	20.0
3-Nitroaniline	Ave	0.2286	0.2415		5280	5000	5.6	20.0
Acenaphthene	Lin1		0.9073	0.9000	5060	5000	1.2	20.0
2,4-Dinitrophenol	QuaF		0.0811	0.0100	5800	5000	16.1	20.0
4-Nitrophenol	Lin		0.1638	0.0100	5190	5000	3.9	20.0
2,4-Dinitrotoluene	Ave	0.2871	0.3034	0.2000	5280	5000	5.7	20.0
Dibenzofuran	Ave	1.184	1.207	0.8000	5100	5000	1.9	20.0
2,3,4,6-Tetrachlorophenol	Lin		0.1694		5010	5000	0.2	20.0
Diethyl phthalate	Ave	1.051	1.122	0.0100	5330	5000	6.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.4473	0.4605		5150	5000	2.9	20.0
4-Nitroaniline	Ave	0.2074	0.2217		5340	5000	6.9	20.0
Fluorene	Ave	0.9691	1.023	0.9000	5280	5000	5.6	20.0
4,6-Dinitro-2-methylphenol	Lin		0.0758		5350	5000	7.0	20.0
Diphenylamine	Ave	0.4721	0.4701		4980	5000	-0.4	20.0
N-Nitrosodiphenylamine	Ave	0.4035	0.4018		5820	5850	-0.4	20.0
1,2-Diphenylhydrazine	Ave	0.6435	0.6517		5060	5000	1.3	20.0
Azobenzene	Ave	0.6435	0.6517		5060	5000	1.3	20.0
Benzophenone	Ave	0.5147	0.5080		4930	5000	-1.3	20.0
4-Bromophenyl phenyl ether	Ave	0.1302	0.1340	0.1000	5150	5000	3.0	20.0
Hexachlorobenzene	Ave	0.1264	0.1281	0.1000	5070	5000	1.3	20.0
Atrazine	Ave	0.1419	0.1466		5170	5000	3.3	20.0
Pentachlorophenol	Lin1		0.0445*	0.0500	3890	5000	-22.2*	20.0
Pentachloronitrobenzene	Ave	0.0617	0.0634		5130	5000	2.6	20.0
Phenanthrene	Ave	0.7826	0.7745	0.7000	4950	5000	-1.0	20.0
Anthracene	Ave	0.7548	0.7765	0.7000	5140	5000	2.9	20.0
Carbazole	Ave	0.6138	0.6396		5210	5000	4.2	20.0
Di-n-butyl phthalate	Ave	0.9937	1.021	0.0100	5140	5000	2.8	20.0
Fluoranthene	Ave	0.6998	0.7542	0.6000	5390	5000	7.8	20.0
Benzidine	Ave	0.1985	0.2032		5120	5000	2.4	20.0
Pyrene	Ave	1.183	1.167	0.6000	4930	5000	-1.3	20.0
Butyl benzyl phthalate	Ave	0.6085	0.5837	0.0100	4800	5000	-4.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7558	0.6788	0.0100	4490	5000	-10.2	20.0
3,3'-Dichlorobenzidine	Ave	0.1947	0.2108	0.0100	5410	5000	8.2	20.0
Benzo[a]anthracene	Ave	0.8042	0.8091	0.8000	5030	5000	0.6	20.0
Chrysene	Ave	0.7423	0.7392	0.7000	4980	5000	-0.4	20.0
Di-n-octyl phthalate	Lin		2.050	0.0100	4140	5000	-17.2	20.0
Benzo[b]fluoranthene	Ave	1.125	1.226	0.7000	5450	5000	9.0	20.0
Benzo[k]fluoranthene	Ave	1.019	0.9476	0.7000	4650	5000	-7.0	20.0
Benzo[a]pyrene	Ave	0.8036	0.7817	0.7000	4860	5000	-2.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVIS 360-67612/13 Calibration Date: 12/23/2010 11:58

Instrument ID: Inst. J Calib Start Date: 12/21/2010 14:12

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 12/21/2010 18:32

Lab File ID: J2104.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Lin		0.5255	0.5000	4400	5000	-12.0	20.0
Dibenz(a,h)anthracene	Lin		0.4029	0.4000	4190	5000	-16.2	20.0
Benzo[g,h,i]perylene	Lin1		0.4378*	0.5000	4470	5000	-10.6	20.0
2-Fluorophenol	Ave	0.4145	0.4303		5190	5000	3.8	20.0
Phenol-d5	Ave	0.9796	0.9601		4900	5000	-2.0	20.0
Nitrobenzene-d5	Ave	0.2024	0.2044		5050	5000	1.0	20.0
2-Fluorobiphenyl	Ave	1.028	1.037		5040	5000	0.8	20.0
2,4,6-Tribromophenol	Lin		0.0478		5040	5000	0.7	20.0
Terphenyl-d14	Ave	0.7107	0.7068		4970	5000	-0.6	20.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D
Lims ID: CCVIS Client ID:
Inject. Date: 23-Dec-2010 11:58:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCV 5.0 PPM
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 2
Lims Batch ID: 67612 Lims Sample ID: 13
Sublist: chrom-LL8270J*sub4
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m
Last Update: 30-Dec-2010 12:46:08 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WESWEIGEL

First Level Reviewer: weigelb Date: 30-Dec-2010 12:46:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.796	7.796	0.0	0	62204	4.00	A
* 2 Naphthalene-d8	136	9.118	9.118	0.0	0	237050	4.00	A
* 3 Acenaphthene-d10	164	10.898	10.898	0.0	0	123946	4.00	A
* 4 Phenanthrene-d10	188	12.388	12.388	0.0	0	221660	4.00	A
* 5 Chrysene-d12	240	14.980	14.980	0.0	78	142796	4.00	
* 6 Perylene-d12	264	16.192	16.192	0.0	84	46249	4.00	
$ 7 2-Fluorophenol	112	6.310	6.310	0.0	87	66667	5.19	
$ 8 Phenol-d5	99	7.382	7.382	0.0	56	74651	4.90	
$ 9 Nitrobenzene-d5	82	8.373	8.373	0.0	76	60556	5.05	
$ 10 2-Fluorobiphenyl	172	10.196	10.196	0.0	99	160696	5.04	
$ 11 2,4,6-Tribromophenol	330	11.686	11.686	0.0	83	13237	5.04	
$ 12 Terphenyl-d14	244	13.946	13.946	0.0	98	126158	4.97	
13 1,4-Dioxane	88	3.487	3.487	0.0	94	22027	4.90	
14 N-Nitrosodimethylamine	42	4.146	4.146	0.0	64	39291	5.19	
15 Pyridine	52	4.209	4.209	0.0	82	42272	4.82	
16 Benzaldehyde	105	7.320	7.320	0.0	97	47546	4.89	
17 Phenol	94	7.397	7.397	0.0	93	70216	4.84	
18 Aniline	93	7.440	7.440	0.0	97	83557	4.86	
19 Bis(2-chloroethyl)ether	93	7.498	7.498	0.0	98	55849	4.73	
20 2-Chlorophenol	128	7.570	7.570	0.0	92	80134	4.98	
21 1,3-Dichlorobenzene	146	7.738	7.738	0.0	98	89417	4.95	
22 1,4-Dichlorobenzene	146	7.815	7.815	0.0	83	91428	4.92	A
23 Benzyl alcohol	79	7.926	7.926	0.0	94	45524	5.09	
24 1,2-Dichlorobenzene	146	7.979	7.979	0.0	98	84884	4.93	A
25 2-Methylphenol	108	8.036	8.036	0.0	92	56622	4.87	
26 2,2'-oxybis[1-chloropropane]	45	8.065	8.065	0.0	84	74435	4.50	
27 3 & 4 Methylphenol	107	8.195	8.195	0.0	91	66629	4.95	
28 N-Nitrosodi-n-propylamine	42	8.200	8.200	0.0	93	31555	4.94	
29 Acetophenone	105	8.210	8.210	0.0	85	87903	4.86	
30 Hexachloroethane	117	8.335	8.335	0.0	97	32297	4.95	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
31 Nitrobenzene	77	8.392	8.392	0.0	85	54755	4.91	
32 Isophorone	82	8.628	8.628	0.0	92	95395	4.75	
35 2-Nitrophenol	139	8.724	8.724	0.0	87	39544	5.09	
34 Benzoic acid	105	8.743	8.743	0.0	62	2131	2.62	M
33 2,4-Dimethylphenol	107	8.743	8.743	0.0	59	63629	5.10	
36 Bis(2-chloroethoxy)methane	93	8.835	8.835	0.0	97	63483	4.78	
37 2,4-Dichlorophenol	162	8.964	8.964	0.0	92	56121	4.88	
38 1,2,4-Trichlorobenzene	180	9.056	9.056	0.0	94	69632	5.02	
40 Naphthalene	128	9.142	9.142	0.0	84	228481	4.96	
41 4-Chloroaniline	127	9.181	9.181	0.0	88	90673	5.06	
42 Hexachlorobutadiene	225	9.258	9.258	0.0	93	34881	5.14	
43 Caprolactam	55	9.508	9.508	0.0	83	21210	4.85	
44 4-Chloro-3-methylphenol	107	9.647	9.647	0.0	89	56607	5.20	
45 2-Methylnaphthalene	142	9.840	9.840	0.0	90	144123	4.97	
46 1-Methylnaphthalene	142	9.941	9.941	0.0	93	143707	4.97	
47 Hexachlorocyclopentadiene	237	9.998	9.998	0.0	73	33419	5.97	
48 1,2,4,5-Tetrachlorobenzene	216	10.013	10.013	0.0	94	59325	5.07	
49 2,4,6-Trichlorophenol	196	10.114	10.114	0.0	89	38084	5.35	
50 2,4,5-Trichlorophenol	196	10.152	10.152	0.0	94	39987	5.58	
51 1,1'-Biphenyl	154	10.301	10.301	0.0	92	178687	5.05	
52 2-Chloronaphthalene	162	10.335	10.335	0.0	98	162783	5.06	
53 Phenyl ether	170	10.398	10.398	0.0	85	92665	5.01	
54 2-Nitroaniline	138	10.422	10.422	0.0	71	45121	5.18	A
56 Dimethyl phthalate	163	10.580	10.580	0.0	99	155304	5.09	
57 2,6-Dinitrotoluene	165	10.652	10.652	0.0	82	36905	5.21	
58 Acenaphthylene	152	10.758	10.758	0.0	90	222823	5.11	
59 3-Nitroaniline	138	10.830	10.830	0.0	90	37411	5.28	
62 Acenaphthene	153	10.926	10.926	0.0	93	140566	5.06	
61 2,4-Dinitrophenol	184	10.931	10.931	0.0	97	12557	5.80	
60 4-Nitrophenol	139	10.965	10.965	0.0	84	25371	5.19	
63 2,4-Dinitrotoluene	165	11.061	11.061	0.0	91	47004	5.28	
64 Dibenzofuran	168	11.100	11.100	0.0	86	187025	5.10	
65 2,3,4,6-Tetrachlorophenol	232	11.172	11.172	0.0	94	26238	5.01	
66 Diethyl phthalate	149	11.278	11.278	0.0	97	173765	5.33	
67 4-Chlorophenyl phenyl ether	204	11.422	11.422	0.0	83	71344	5.15	
68 4-Nitroaniline	138	11.441	11.441	0.0	90	34345	5.34	
70 Fluorene	166	11.446	11.446	0.0	82	158506	5.28	
69 4,6-Dinitro-2-methylphenol	198	11.475	11.475	0.0	85	21012	5.35	
75 N-Nitrosodiphenylamine	169	11.537	11.537	0.0	59	130251	5.82	
71 Diphenylamine	169	11.537	11.537	0.0	83	130251	4.98	
72 Azobenzene	77	11.580	11.580	0.0	79	180569	5.06	A
73 1,2-Diphenylhydrazine	77	11.580	11.580	0.0	0	180569	5.06	A
74 Benzophenone	105	11.595	11.595	0.0	78	140743	4.93	
76 4-Bromophenyl phenyl ether	248	11.912	11.912	0.0	64	37139	5.15	
78 Hexachlorobenzene	284	12.008	12.008	0.0	86	35501	5.07	
77 Atrazine	200	12.042	12.042	0.0	62	40612	5.17	
79 Pentachlorophenol	266	12.191	12.191	0.0	82	12339	3.89	
80 Pentachloronitrobenzene	237	12.210	12.210	0.0	72	17554	5.13	
81 Phenanthrene	178	12.412	12.412	0.0	95	214588	4.95	A
82 Anthracene	178	12.465	12.465	0.0	97	215147	5.14	
83 Carbazole	167	12.610	12.610	0.0	83	177202	5.21	
84 Di-n-butyl phthalate	149	12.903	12.903	0.0	100	282921	5.14	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
86 Fluoranthene	202	13.610	13.610	0.0	97	208978	5.39	A
87 Benzidine	184	13.706	13.706	0.0	96	56297	5.12	
88 Pyrene	202	13.841	13.841	0.0	98	208328	4.93	A
90 Butyl benzyl phthalate	149	14.379	14.379	0.0	92	104189	4.80	
91 Bis(2-ethylhexyl) phthalate	149	14.884	14.884	0.0	92	121160	4.49	
92 3,3'-Dichlorobenzidine	252	14.913	14.913	0.0	60	37622	5.41	
93 Benzo[a]anthracene	228	14.971	14.971	0.0	97	144419	5.03	
94 Chrysene	228	15.004	15.004	0.0	92	131947	4.98	A
95 Di-n-octyl phthalate	149	15.447	15.447	0.0	98	118521	4.14	
97 Benzo[b]fluoranthene	252	15.851	15.851	0.0	89	70892	5.45	A
98 Benzo[k]fluoranthene	252	15.875	15.875	0.0	98	54779	4.65	
99 Benzo[a]pyrene	252	16.144	16.144	0.0	77	45191	4.86	A
102 Indeno[1,2,3-cd]pyrene	276	17.409	17.409	0.0	89	30377	4.40	
100 Dibenz(a,h)anthracene	278	17.414	17.414	0.0	70	23290	4.19	
101 Benzo[g,h,i]perylene	276	17.793	17.793	0.0	82	25307	4.47	A

QC Flag Legend

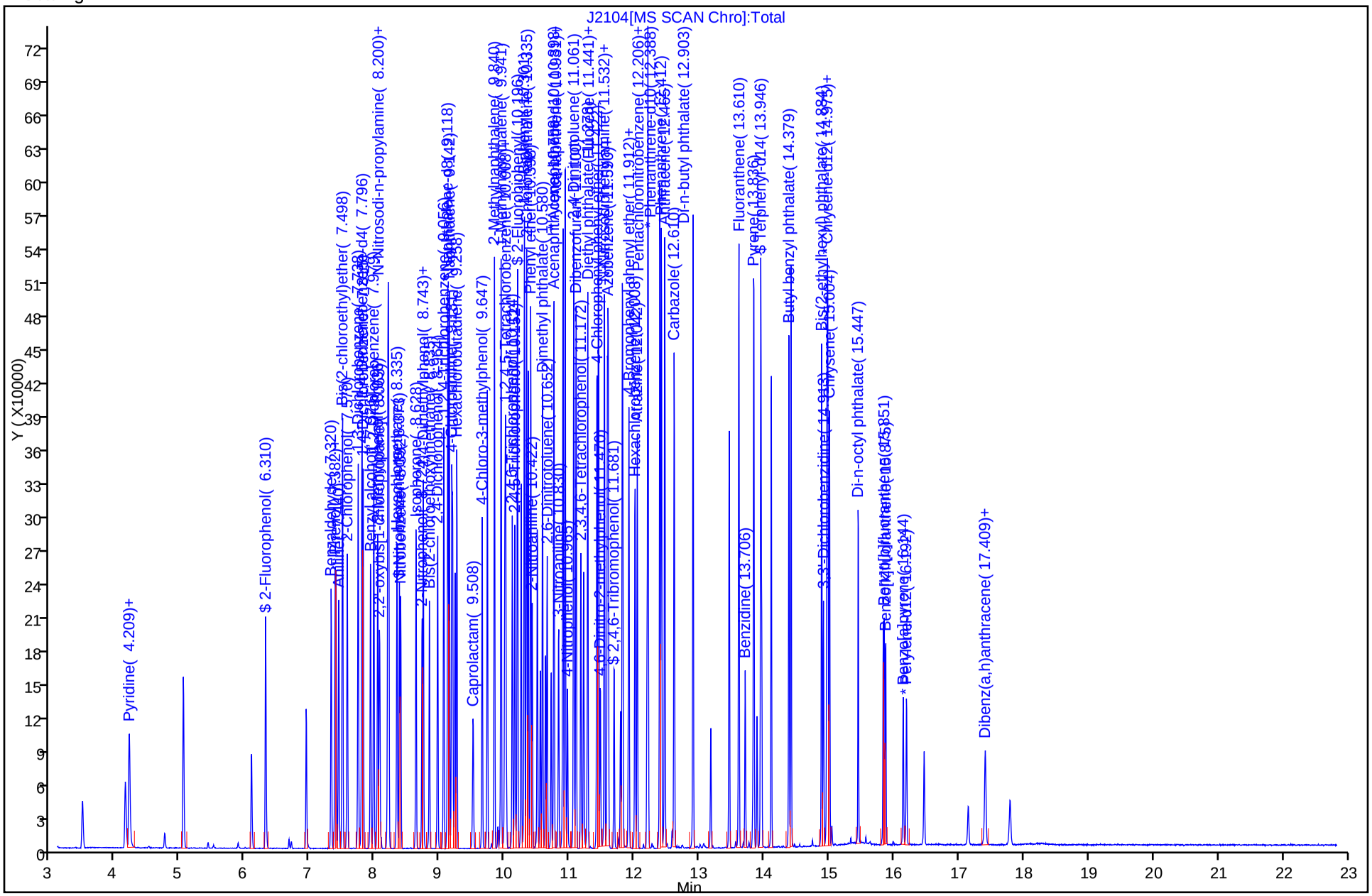
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 30-Dec-2010 12:46:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D

Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 30-Dec-2010 12:46:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

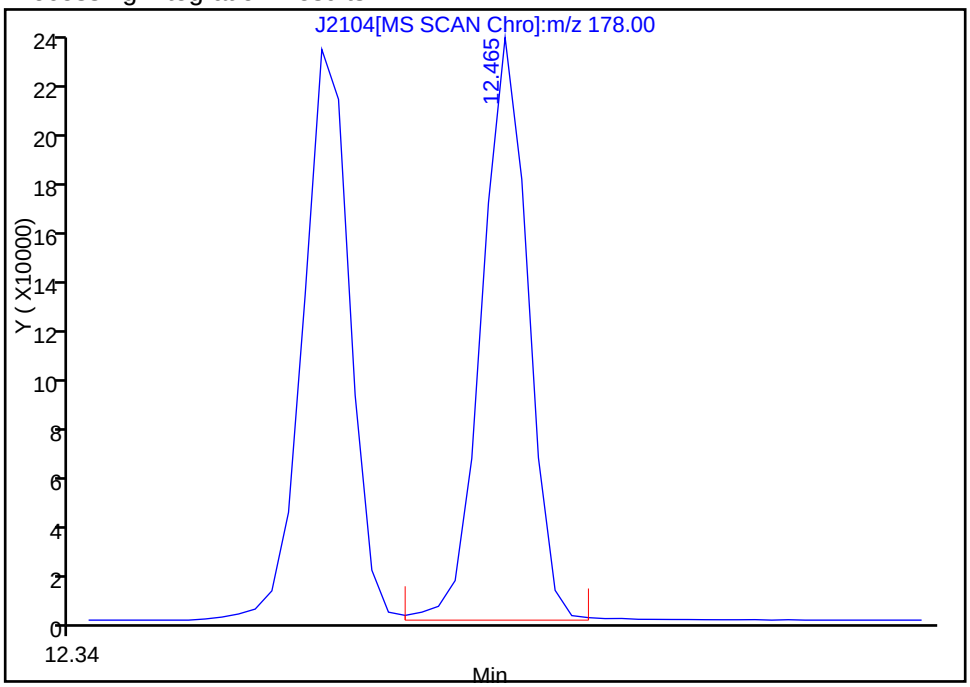
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

81 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 12.41

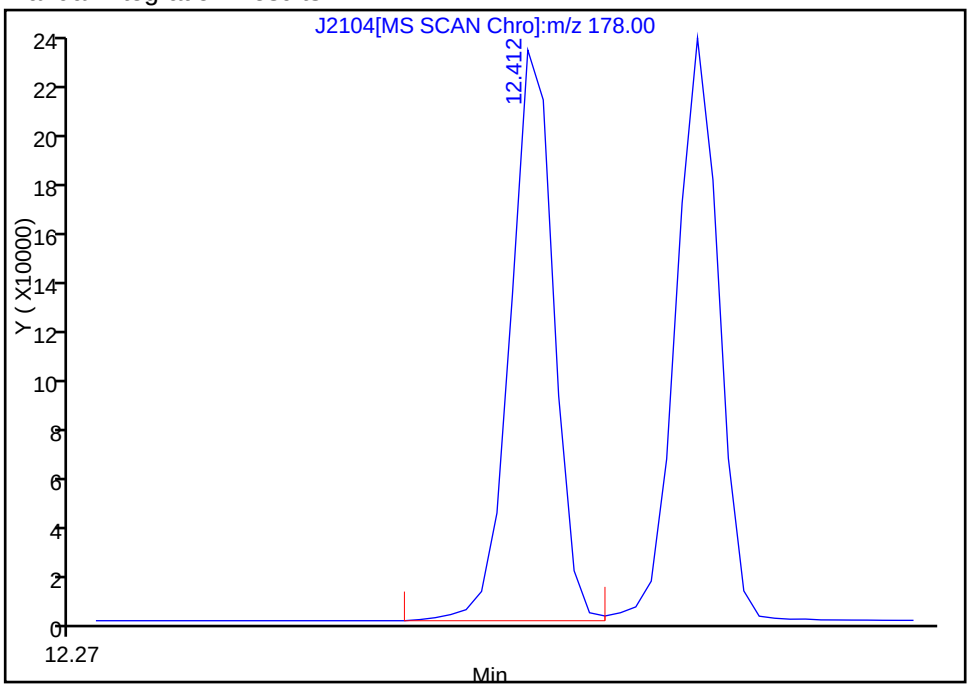
Processing Integration Results

RT: 12.47
Response: 215147
Amount: 4.961064



Manual Integration Results

RT: 12.41
Response: 214588
Amount: 4.948174



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

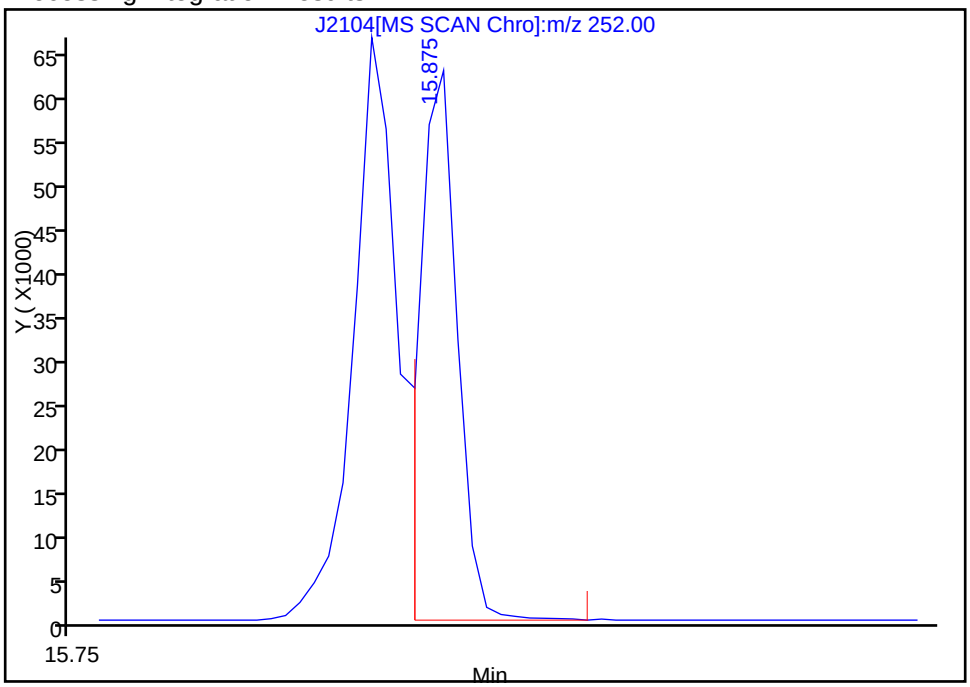
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.14

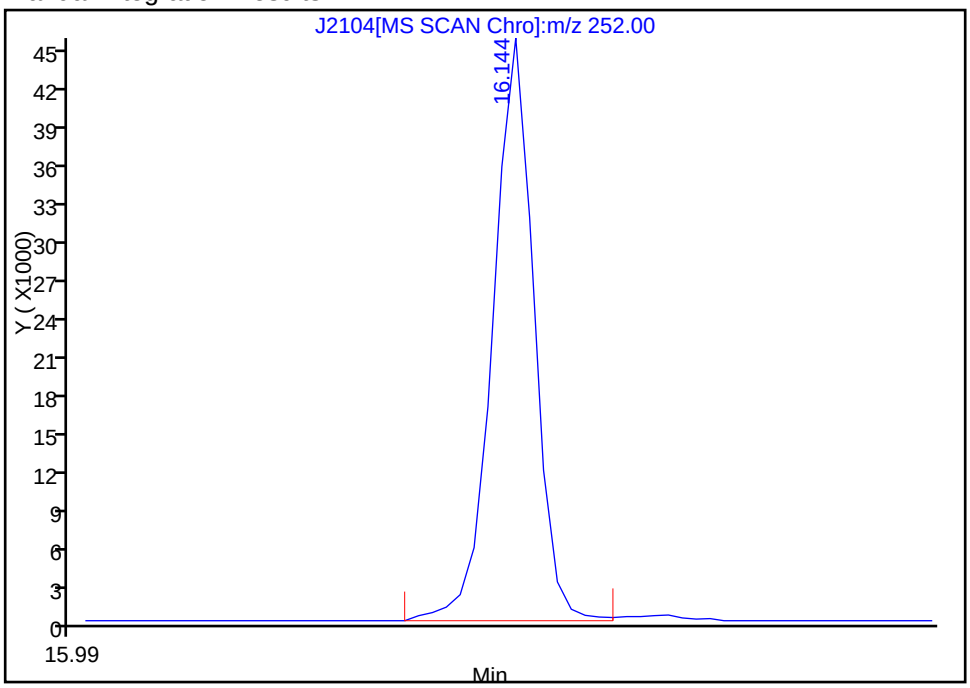
Processing Integration Results

RT: 15.87
Response: 54779
Amount: 5.895490



Manual Integration Results

RT: 16.14
Response: 45191
Amount: 4.863599



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

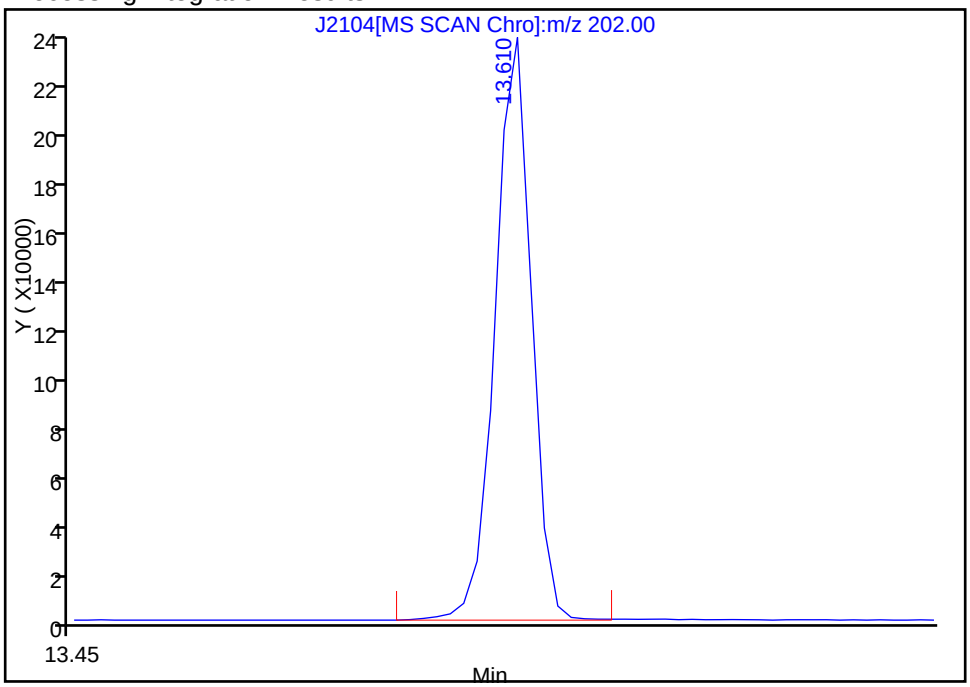
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

88 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 13.84

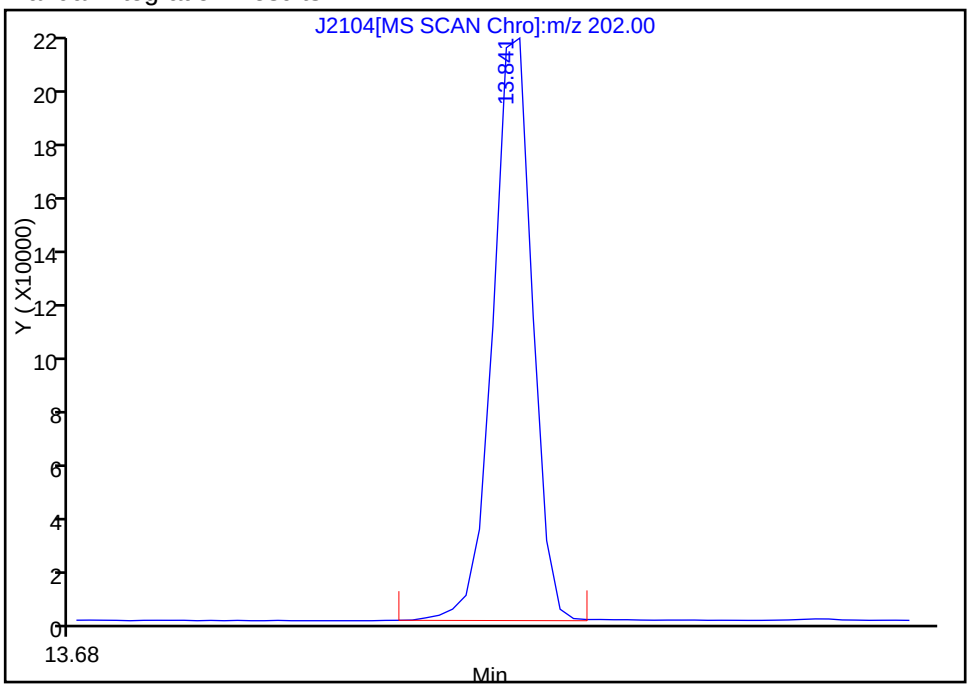
Processing Integration Results

RT: 13.61
Response: 208978
Amount: 4.948873



Manual Integration Results

RT: 13.84
Response: 208328
Amount: 4.933480



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 30-Dec-2010 12:46:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

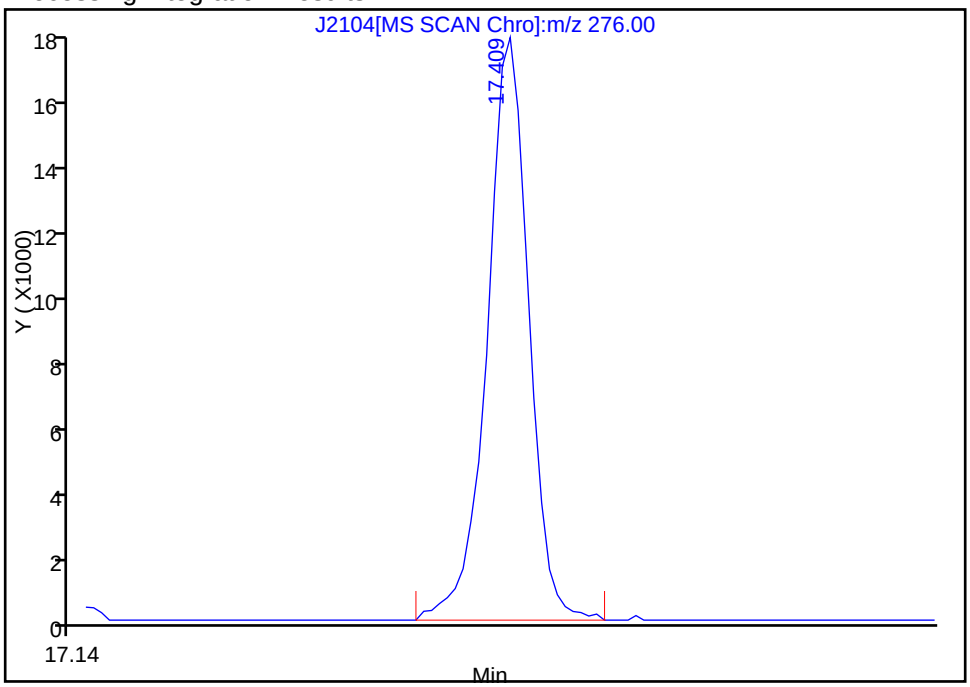
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

101 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.79

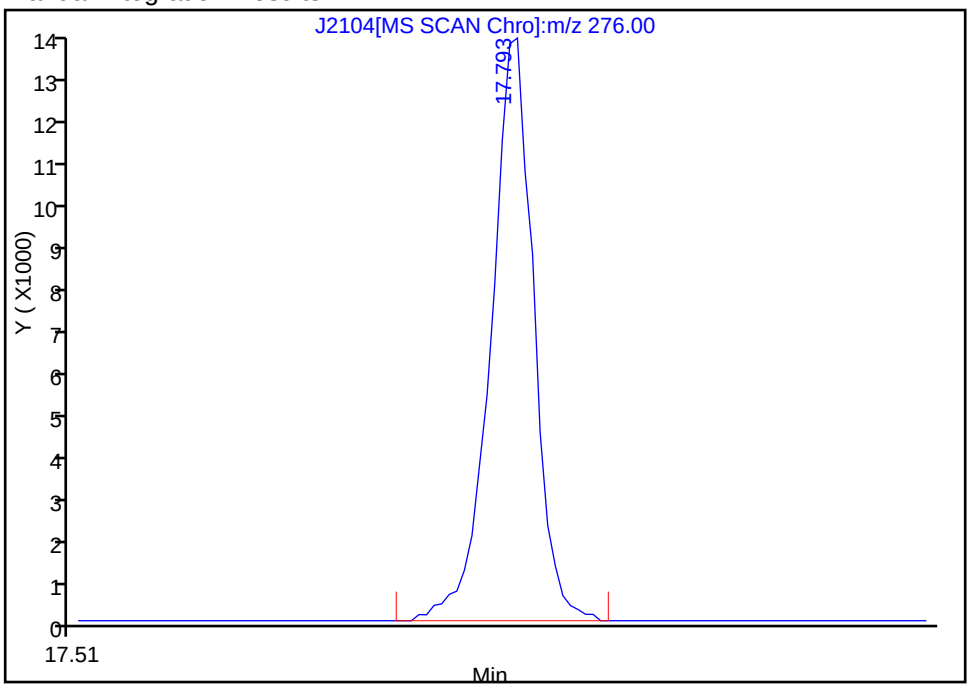
Processing Integration Results

RT: 17.41
Response: 30377
Amount: 5.336538



Manual Integration Results

RT: 17.79
Response: 25307
Amount: 4.470418



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

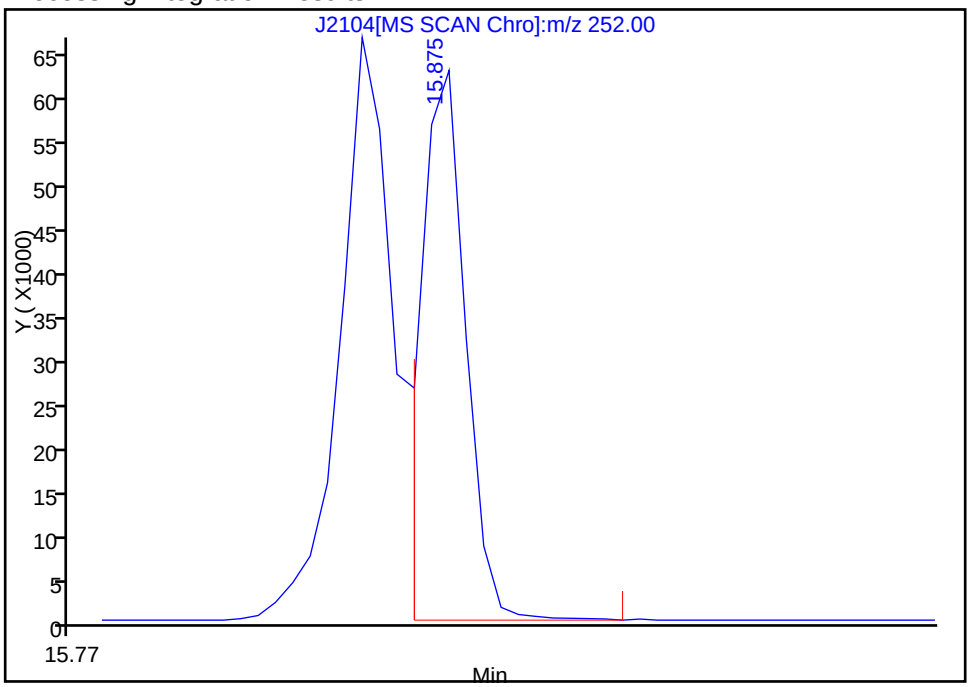
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

97 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.85

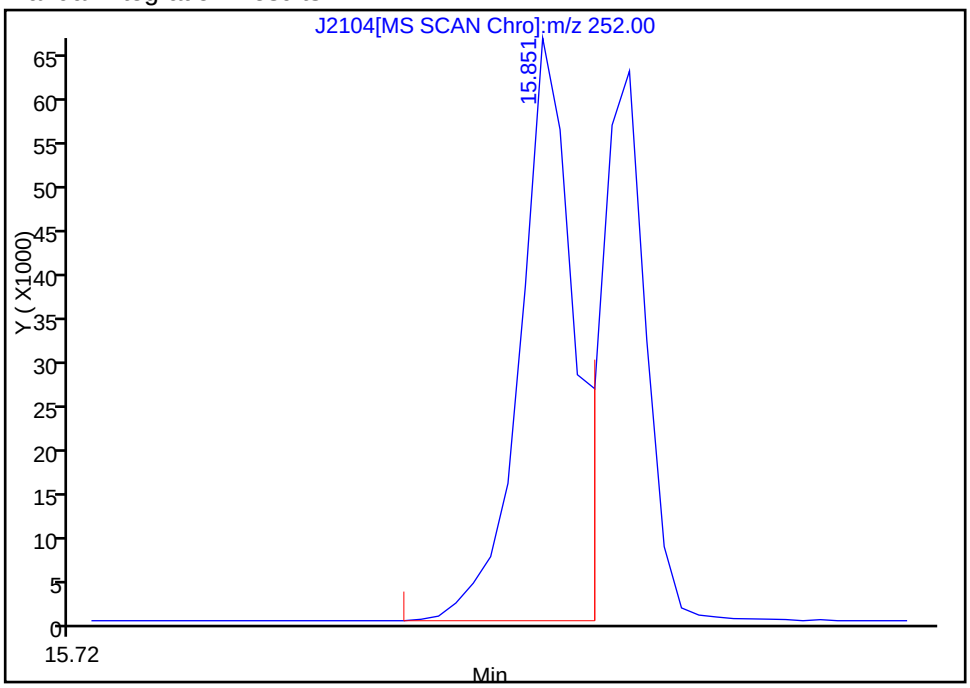
Processing Integration Results

RT: 15.87
Response: 54779
Amount: 4.212868



Manual Integration Results

RT: 15.85
Response: 70892
Amount: 5.452064



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

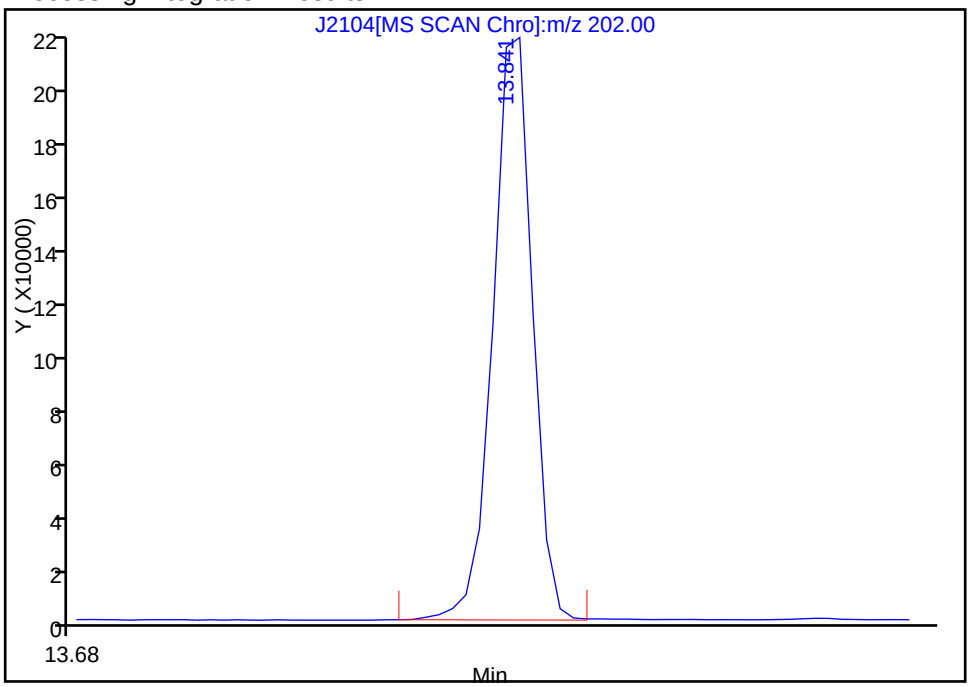
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

86 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 13.61

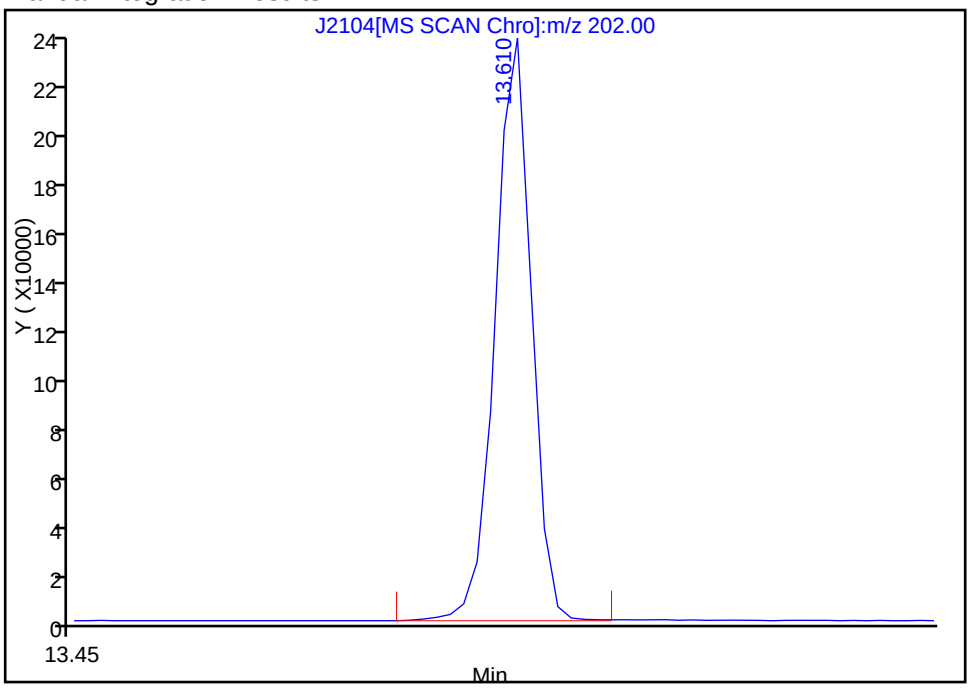
Processing Integration Results

RT: 13.84
Response: 208328
Amount: 5.371932



Manual Integration Results

RT: 13.61
Response: 208978
Amount: 5.388693



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

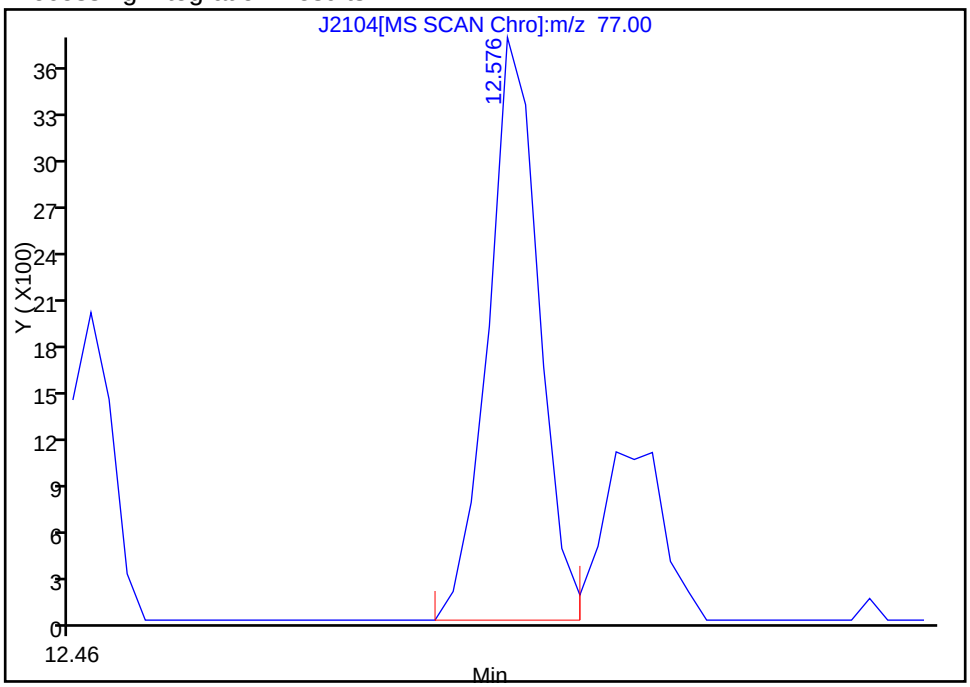
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

72 Azobenzene, Signal: 1, m/z: 77.0 Type: quant, RT: 11.58

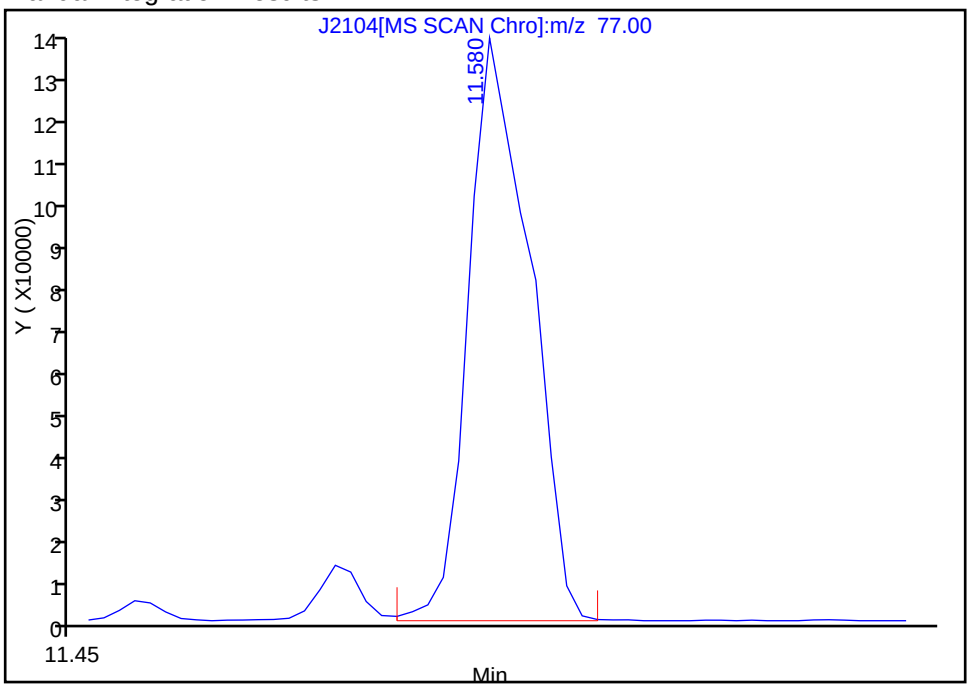
Processing Integration Results

RT: 12.58
Response: 3517
Amount: 0.098623



Manual Integration Results

RT: 11.58
Response: 180569
Amount: 5.063496



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

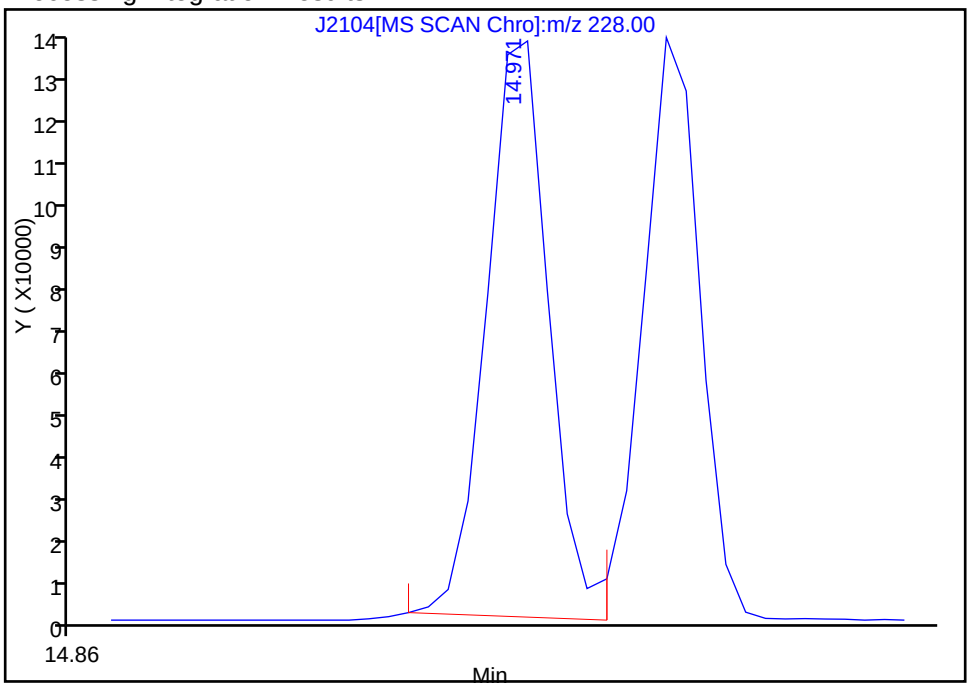
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

94 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 15.00

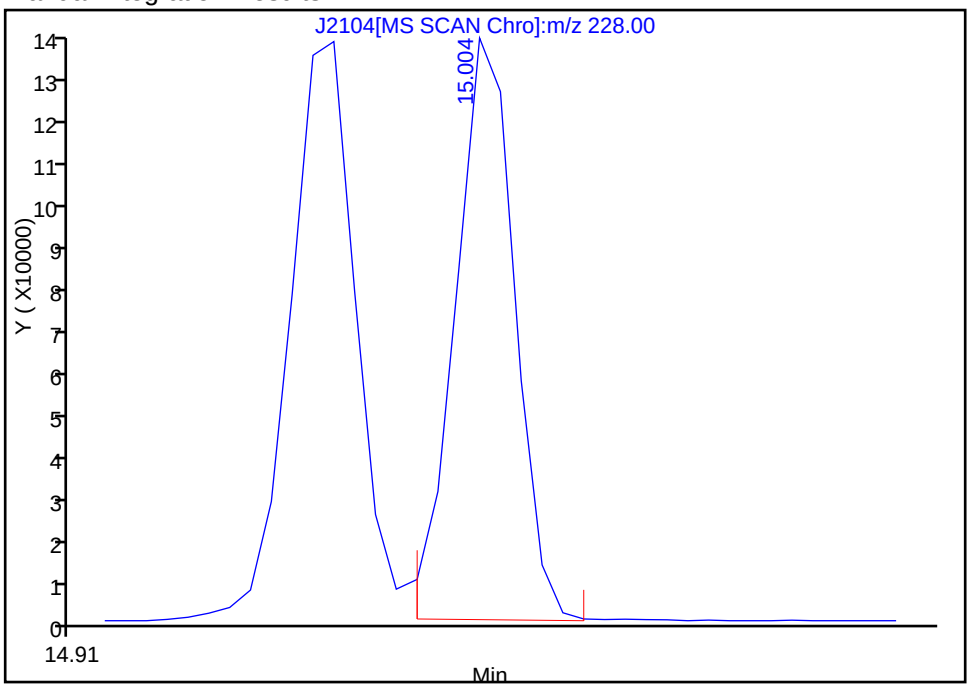
Processing Integration Results

RT: 14.97
Response: 144136
Amount: 5.439403



Manual Integration Results

RT: 15.00
Response: 131947
Amount: 4.979415



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

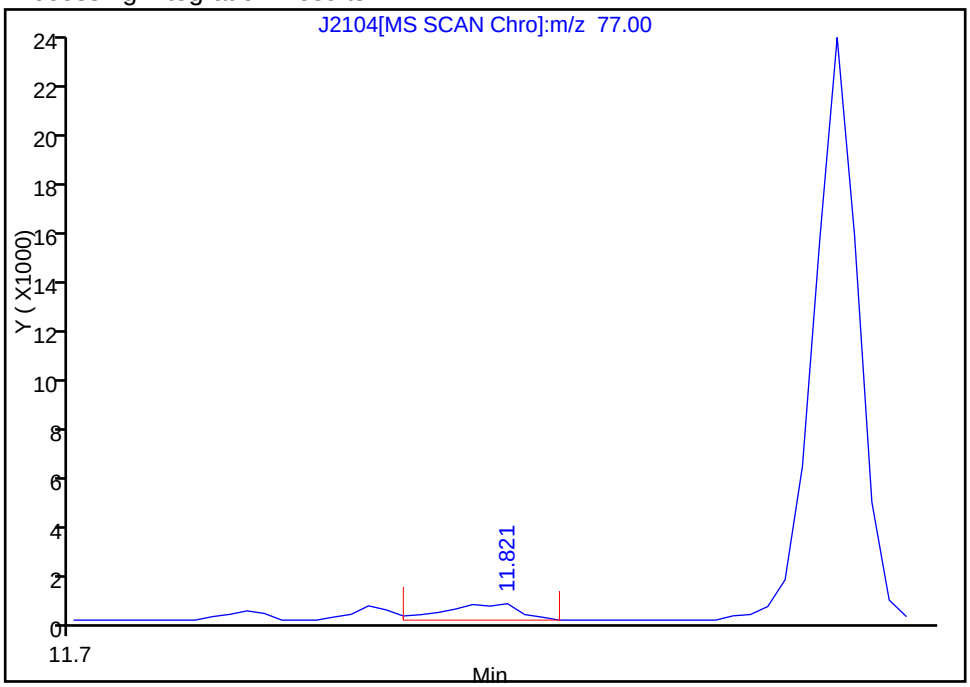
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

73 1,2-Diphenylhydrazine, Signal: 1, m/z: 77.0 Type: quant, RT: 11.58

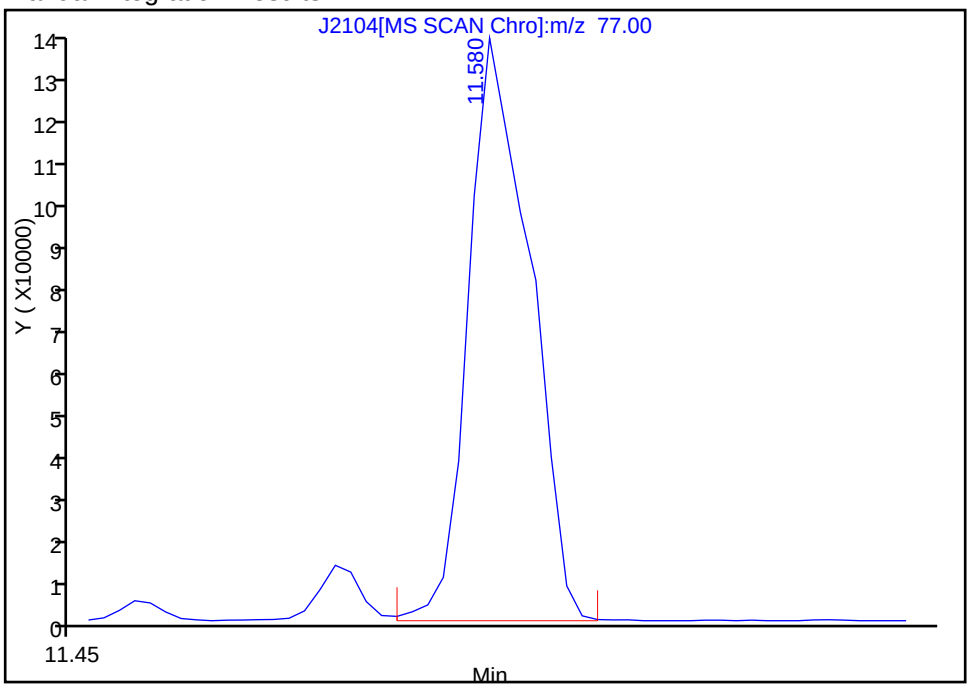
Processing Integration Results

RT: 11.82
Response: 978
Amount: 0.027425



Manual Integration Results

RT: 11.58
Response: 180569
Amount: 5.063496



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 30-Dec-2010 12:46:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

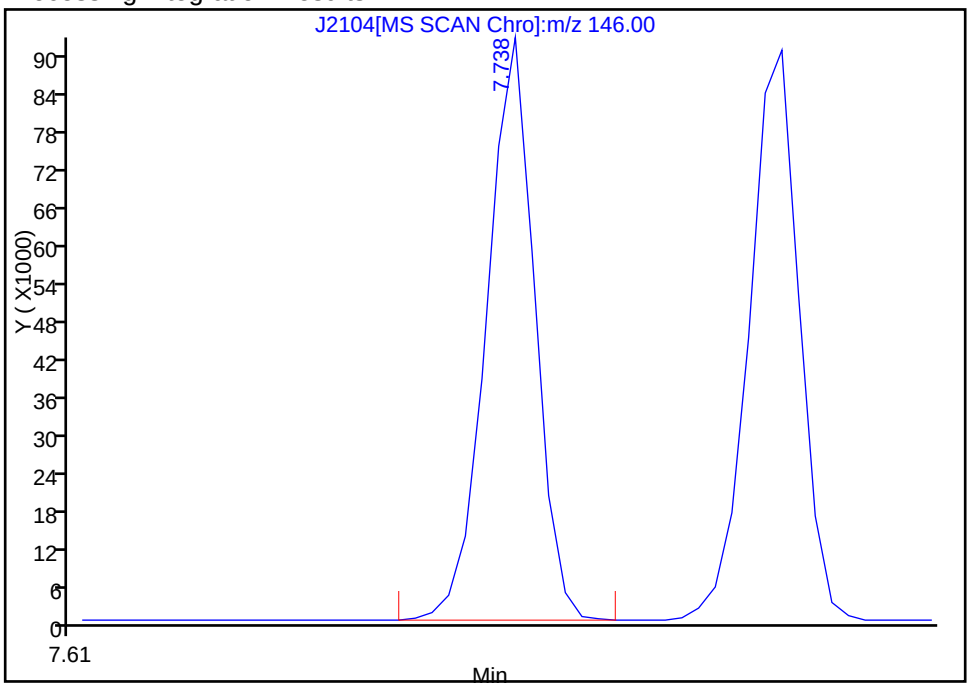
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

22 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 7.82

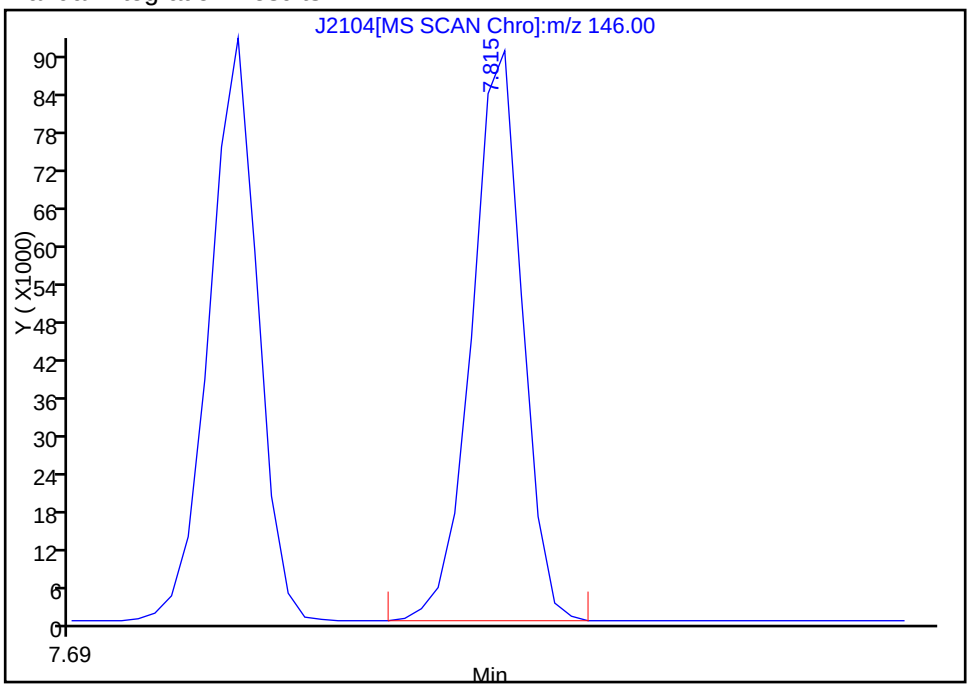
Processing Integration Results

RT: 7.74
Response: 89417
Amount: 4.812750



Manual Integration Results

RT: 7.82
Response: 91428
Amount: 4.920990



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason:

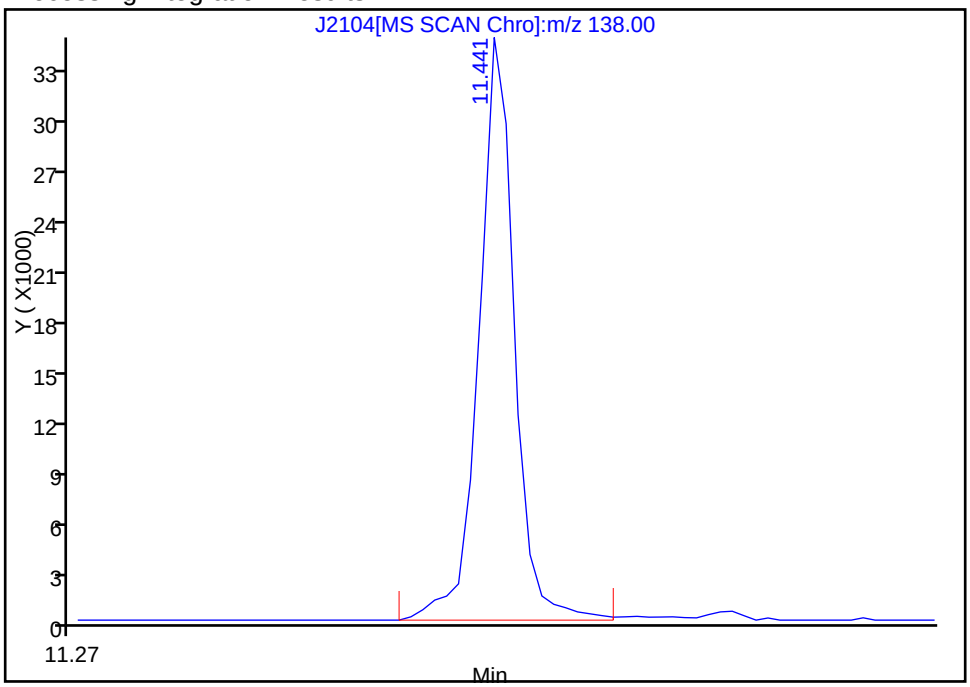
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

54 2-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 10.42

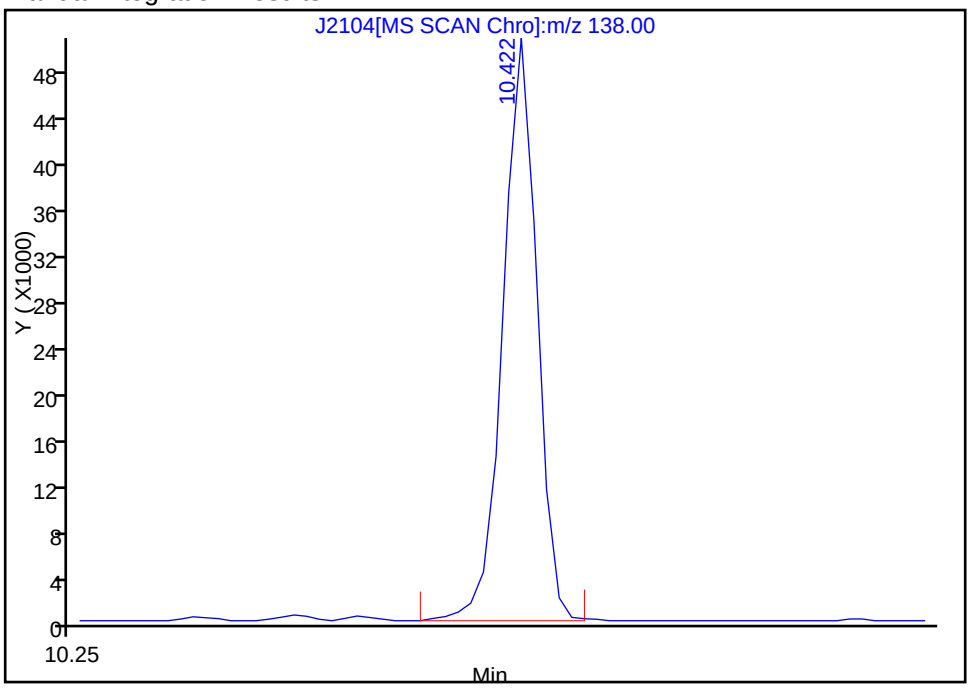
Processing Integration Results

RT: 11.44
Response: 34345
Amount: 3.946083



Manual Integration Results

RT: 10.42
Response: 45121
Amount: 5.184195



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Report Date: 30-Dec-2010 12:46:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

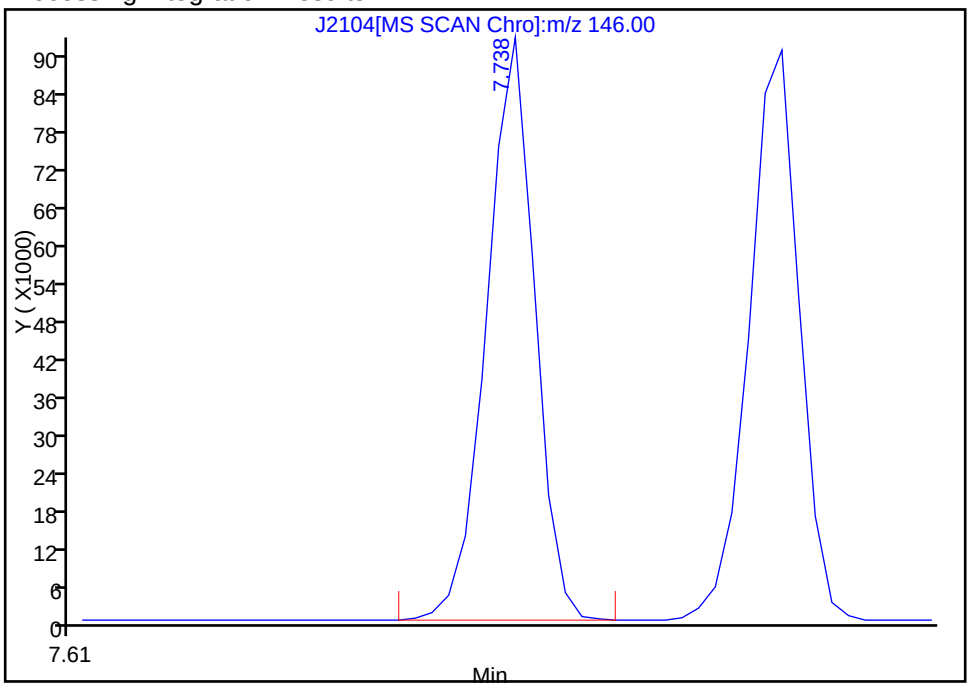
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

24 1,2-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 7.98

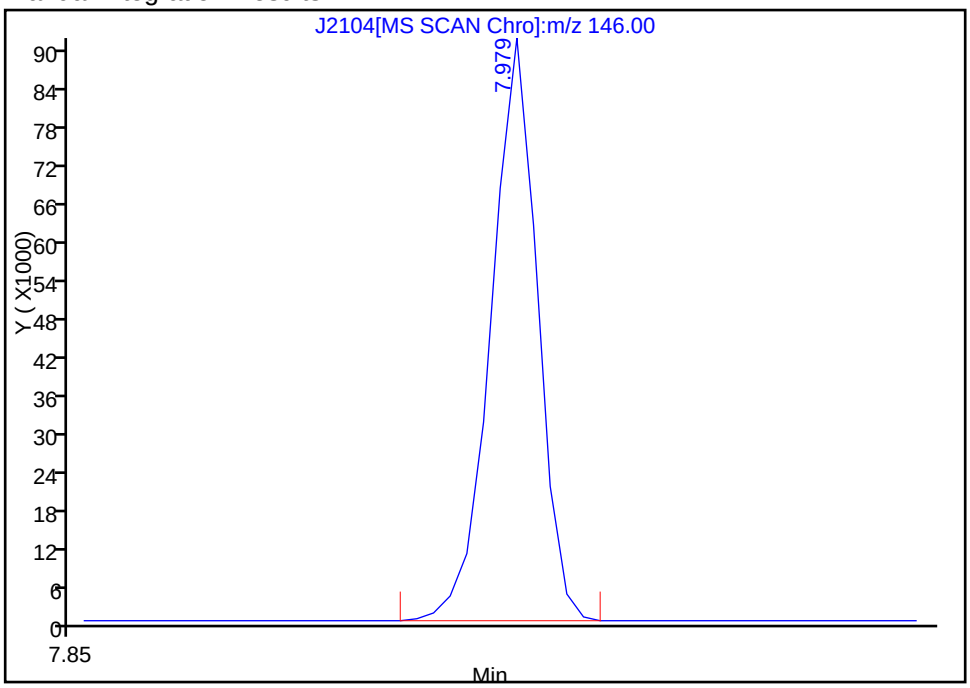
Processing Integration Results

RT: 7.74
Response: 89417
Amount: 5.195804



Manual Integration Results

RT: 7.98
Response: 84884
Amount: 4.932403



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Assigned Compound ID
Audit Reason:

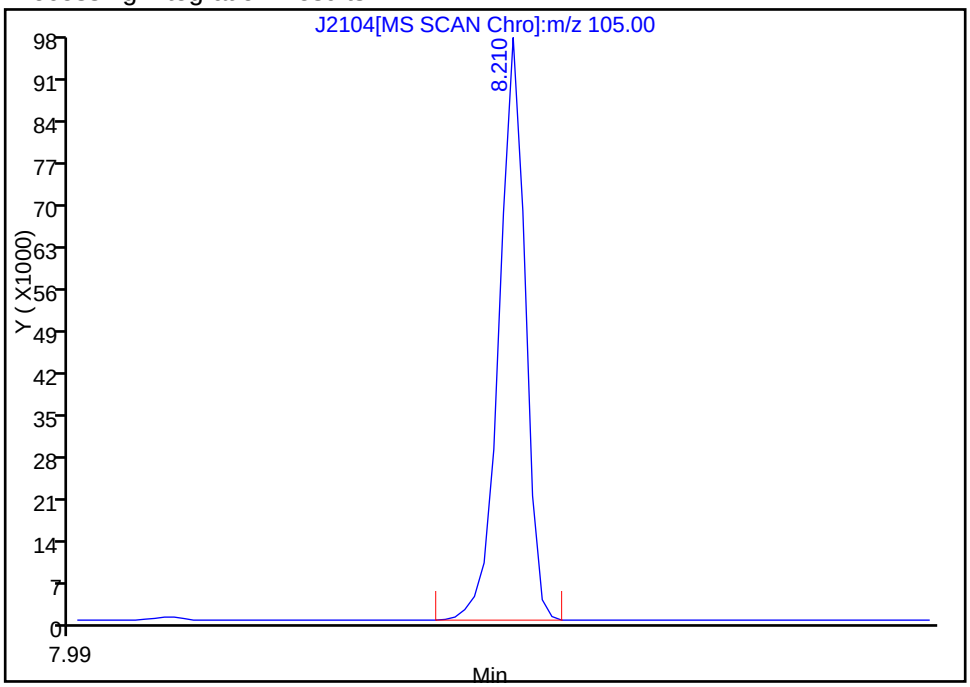
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2104.D		
Injection Date:	23-Dec-2010 11:58:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67612	Lims Sample ID:	13
Operator ID:	CT	Injection Vol:	2.00 ul

34 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.74

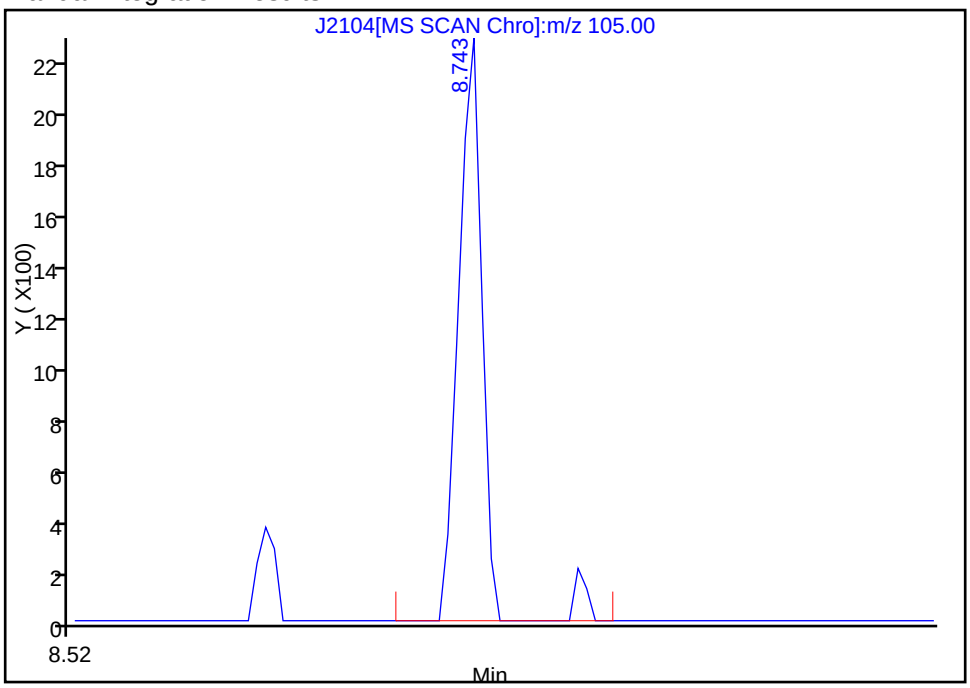
Processing Integration Results

RT: 8.21
Response: 87903
Amount: 14.388677



Manual Integration Results

RT: 8.74
Response: 2131
Amount: 2.622417



Reviewer: testerc, 23-Dec-2010 12:34:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13776.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	20-Dec-2010 15:17:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	67431	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:28:25	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:28:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
78 Pentachlorophenol	266	14.745	14.745	0.0	0	240189	0	A
82 DFTPP	198	15.072	15.072	0.0	0	370251	0	M
86 Benzidine	184	16.149	16.149	0.0	0	495825	0	A
88 4,4'-DDD	235	16.654	16.658	-0.004	0	15739	0	A
90 4,4'-DDT	235	16.991	16.991	0.0	0	786357	0	A

QC Flag Legend

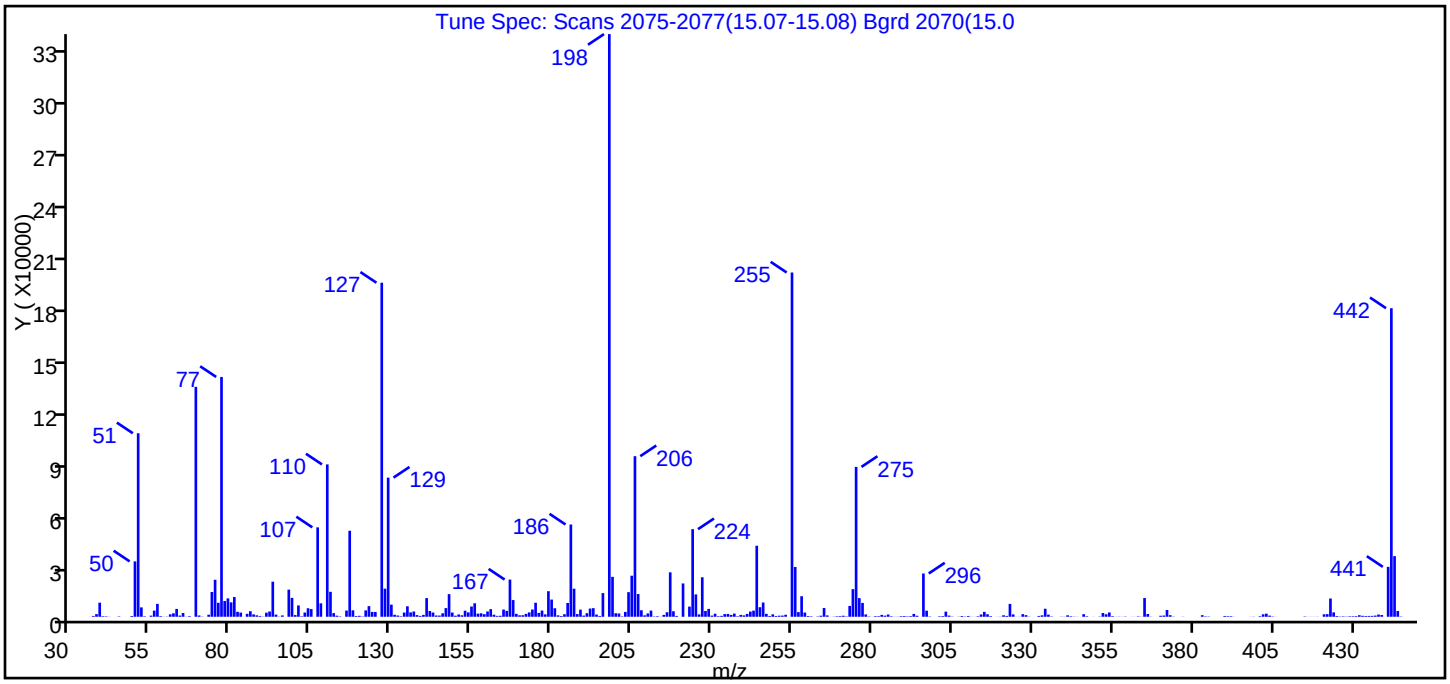
Review Flags
M - Manually Integrated
A - User Assigned ID

MS Tune Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13776.D

Injection Date:	20-Dec-2010 15:17:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	2.00 ul
Tune Method:	DFTPP Method 8270		

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	39.46
70	Less than 2.00% of mass 69	0.22 (0.56)
127	40.00 - 60.00% of mass 198	57.33
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.85
275	10.00 - 30.00% of mass 198	25.72
365	Greater than 1.00% of mass 198	3.21
441	Present, but less than mass 443%	8.57 (82.30)
442	Greater than 40.00% of mass 198	52.96
443	17.00 - 23.00% of mass 442	10.41 (19.66)

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13776.D\8270B.rslt\spectra.d
Injection Date: 20-Dec-2010 15:17:30
Spectrum: Tune Spec: Scans 2075-2077(15.07-15.08) Bgrd 2070(15.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	26	136.00	2558	228.00	3378	324.00	1386
37.00	491	137.00	3088	229.00	4588	325.00	61
38.00	1539	138.00	967	230.00	663	326.00	74
39.00	8205	139.00	505	231.00	1770	327.00	1518
40.00	351	140.00	1101	232.00	340	328.00	937
41.00	265	141.00	10893	233.00	537	329.00	123
42.00	62	142.00	3371	234.00	1549	332.00	482
44.00	14	143.00	2472	235.00	1665	333.00	832
45.00	234	144.00	741	236.00	1082	334.00	4676
47.00	8	145.00	710	237.00	1857	335.00	1238
49.00	448	146.00	2022	238.00	301	336.00	198
50.00	32280	147.00	5045	239.00	1080	339.00	107
51.00	106952	148.00	13181	240.00	801	340.00	77
52.00	5465	149.00	2460	241.00	1662	341.00	851
53.00	284	150.00	618	242.00	3033	342.00	314
55.00	651	151.00	1337	243.00	3582	343.00	110
56.00	3567	152.00	861	244.00	41400	344.00	67
57.00	7504	153.00	3534	245.00	5581	346.00	1506
58.00	381	154.00	2537	246.00	8307	347.00	320
59.00	78	155.00	5962	247.00	1691	349.00	56
60.00	123	156.00	7857	248.00	471	351.00	162
61.00	1425	157.00	1819	249.00	1416	352.00	2197
62.00	2004	158.00	2024	250.00	442	353.00	1473
63.00	4581	159.00	1500	251.00	646	354.00	2513
64.00	689	160.00	3080	252.00	684	355.00	348
65.00	2189	161.00	4445	253.00	1171	356.00	63
66.00	96	162.00	1199	255.00	200640	357.00	108
67.00	363	163.00	521	256.00	29024	358.00	58
69.00	134016	164.00	577	257.00	2717	359.00	162
70.00	757	165.00	4197	258.00	11981	361.00	62
71.00	123	166.00	3441	259.00	2458	362.00	50
73.00	1183	167.00	21680	260.00	436	363.00	234
74.00	14439	168.00	9730	261.00	272	364.00	80

Report Date: 21-Dec-2010 14:28:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13776.D\8270B.rslt\spectra.d
Injection Date: 20-Dec-2010 15:17:30
Spectrum: Tune Spec: Scans 2075-2077(15.07-15.08) Bgrd 2070(15.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	21568	169.00	1701	263.00	190	365.00	10901
76.00	8131	170.00	850	264.00	622	366.00	1610
77.00	139776	171.00	897	265.00	5117	367.00	102
78.00	9167	172.00	1687	266.00	787	370.00	586
79.00	10712	173.00	2542	267.00	26	371.00	707
80.00	8389	174.00	4222	268.00	102	372.00	3933
81.00	11509	175.00	8162	269.00	311	373.00	931
82.00	2890	176.00	2255	270.00	388	374.00	131
83.00	2420	177.00	3609	271.00	604	377.00	87
84.00	32	178.00	1400	272.00	215	383.00	924
85.00	1716	179.00	14906	273.00	6302	384.00	245
86.00	3242	180.00	10020	274.00	16112	385.00	174
87.00	1377	181.00	4985	275.00	87344	390.00	472
88.00	840	182.00	839	276.00	10866	391.00	364
89.00	409	183.00	451	277.00	8060	392.00	337
90.00	114	184.00	1468	278.00	1364	393.00	44
91.00	2382	185.00	8046	279.00	209	398.00	50
92.00	3072	186.00	53776	280.00	52	399.00	90
93.00	20440	187.00	16356	281.00	363	401.00	360
94.00	1261	188.00	1562	282.00	353	402.00	1431
95.00	112	189.00	4146	283.00	1100	403.00	1811
96.00	790	190.00	664	284.00	657	404.00	662
98.00	15810	191.00	2074	285.00	1324	405.00	187
99.00	11002	192.00	4784	286.00	292	406.00	43
100.00	981	193.00	5011	287.00	45	415.00	206
101.00	6612	194.00	1305	288.00	91	416.00	49
102.00	294	195.00	470	289.00	365	417.00	53
103.00	2460	196.00	13806	290.00	435	418.00	44
104.00	4974	198.00	339584	291.00	245	419.00	69
105.00	4490	199.00	23264	292.00	379	421.00	1436
107.00	52112	200.00	2055	293.00	1664	422.00	1531
108.00	7840	201.00	1906	294.00	597	423.00	10637
110.00	88800	202.00	241	296.00	25224	424.00	2563
111.00	14538	203.00	2815	297.00	3543	425.00	437

Report Date: 21-Dec-2010 14:28:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13776.D\8270B.rslt\spectra.d
Injection Date: 20-Dec-2010 15:17:30
Spectrum: Tune Spec: Scans 2075-2077(15.07-15.08) Bgrd 2070(15.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	2118	204.00	14344	298.00	201	426.00	174
113.00	639	205.00	23920	301.00	306	427.00	251
114.00	228	206.00	93592	302.00	399	428.00	151
116.00	3625	207.00	13258	303.00	2983	429.00	297
117.00	50128	208.00	3795	304.00	691	430.00	324
118.00	3745	209.00	827	305.00	139	431.00	389
119.00	441	210.00	1907	307.00	103	432.00	904
120.00	561	211.00	3611	308.00	446	433.00	552
121.00	177	212.00	204	309.00	151	434.00	442
122.00	3723	213.00	338	310.00	476	435.00	487
123.00	6194	214.00	62	311.00	69	436.00	521
124.00	2825	215.00	1095	312.00	40	437.00	690
125.00	2794	216.00	2633	313.00	311	438.00	1293
127.00	194688	217.00	25896	314.00	1334	439.00	1012
128.00	16377	218.00	3227	315.00	2857	441.00	29096
129.00	81096	219.00	490	316.00	1463	442.00	179840
130.00	7070	221.00	19416	317.00	381	443.00	35352
131.00	1169	223.00	5926	319.00	47	444.00	3361
132.00	724	224.00	51048	320.00	90	445.00	183
133.00	286	225.00	13037	321.00	870		
134.00	2458	226.00	1385	322.00	501		
135.00	6120	227.00	23008	323.00	7487		

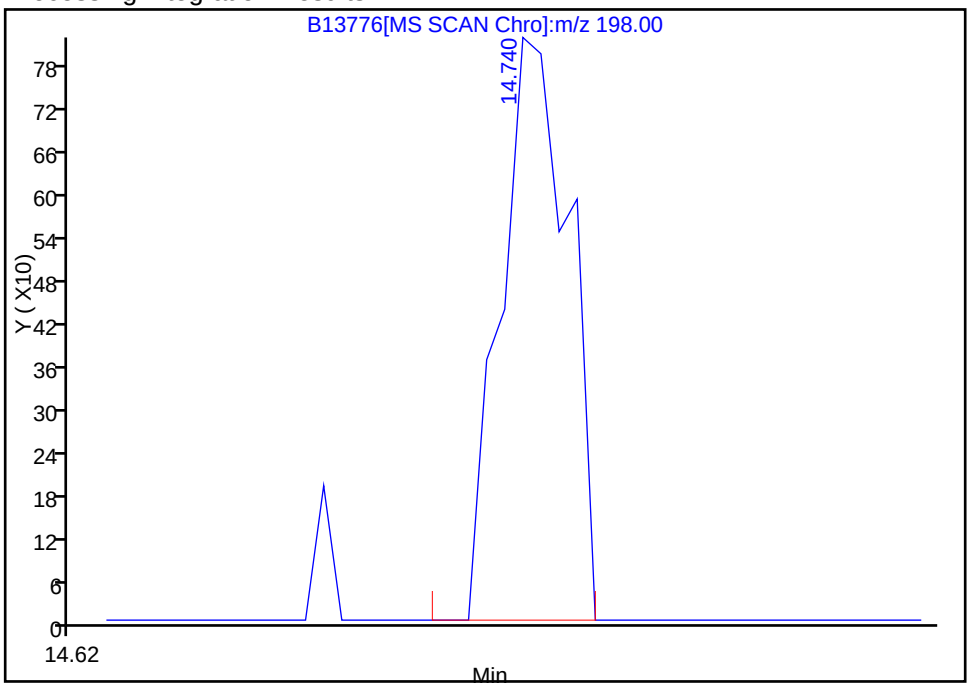
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13776.D		
Injection Date:	20-Dec-2010 15:17:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67431	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	2.00 ul

82 DFTPP, Signal: 1, m/z: 198.0 Type: quant, RT: 15.07

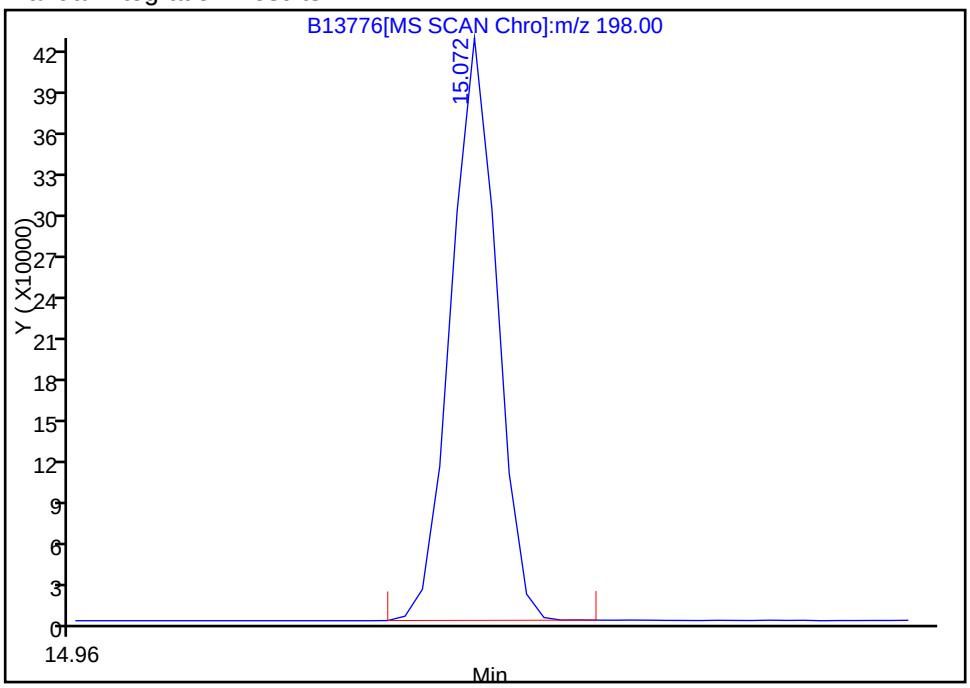
Processing Integration Results

RT: 14.74
Response: 1026
Amount: 0



Manual Integration Results

RT: 15.07
Response: 370251
Amount: 0



Reviewer: testerc, 21-Dec-2010 08:50:52
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13787.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	20-Dec-2010 21:50:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	67459	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:31:01	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:31:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
78 Pentachlorophenol	266	14.749	14.749	0.0	0	449534	17395	5A
82 DFTPP	198	15.076	15.076	0.0	0	622861	0	A
86 Benzidine	184	16.153	16.153	0.0	0	1370476	41182	5M
88 4,4'-DDD	235	16.658	16.658	0.0	0	23636	0	A
90 4,4'-DDT	235	16.994	16.994	0.0	0	1348629	0	A

QC Flag Legend

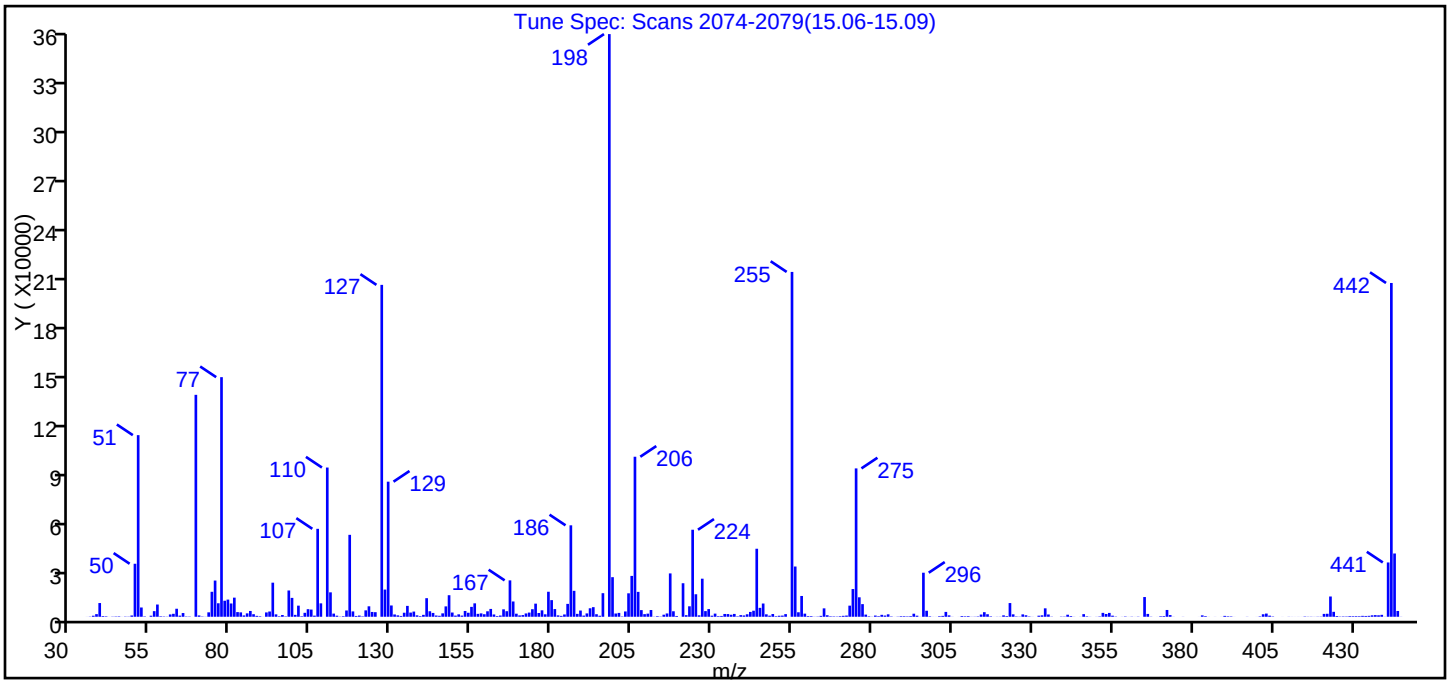
Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated
A - User Assigned ID

MS Tune Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13787.D
Injection Date: 20-Dec-2010 21:50:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. B
Lims Batch ID: 67459 Lims Sample ID: 12
Operator ID: CT Injection Vol: 2.00 ul
Tune Method: DFTPP Method 8270

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.17
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.09
70	Less than 2.00% of mass 69	0.22 (0.59)
127	40.00 - 60.00% of mass 198	56.96
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 30.00% of mass 198	25.46
365	Greater than 1.00% of mass 198	3.39
441	Present, but less than mass 443%	9.32 (85.84)
442	Greater than 40.00% of mass 198	57.29
443	17.00 - 23.00% of mass 442	10.86 (18.95)

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13787.D\8270B.rslt\spectra.d
Injection Date: 20-Dec-2010 21:50:30
Spectrum: Tune Spec: Scans 2074-2079(15.06-15.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	27	134.00	2456	231.00	1915	328.00	906
36.00	129	135.00	6617	232.00	379	329.00	225
37.00	641	136.00	2543	233.00	510	330.00	44
38.00	1599	137.00	3160	234.00	1702	332.00	653
39.00	8343	138.00	869	235.00	1646	333.00	872
40.00	428	139.00	389	236.00	1234	334.00	5131
41.00	290	140.00	1168	237.00	1727	335.00	1396
42.00	22	141.00	11305	238.00	258	336.00	125
43.00	130	142.00	3351	239.00	996	339.00	154
44.00	196	143.00	2324	240.00	805	340.00	162
45.00	258	144.00	766	241.00	1509	341.00	1243
46.00	27	145.00	604	242.00	2948	342.00	437
47.00	156	146.00	2077	243.00	3676	343.00	56
48.00	127	147.00	6316	244.00	41368	345.00	53
49.00	767	148.00	13106	245.00	5421	346.00	1597
50.00	32240	149.00	2574	246.00	8061	347.00	278
51.00	110456	150.00	713	247.00	1493	348.00	62
52.00	5646	151.00	1475	248.00	675	350.00	55
53.00	236	152.00	715	249.00	1674	351.00	213
55.00	640	153.00	3525	250.00	338	352.00	2371
56.00	3416	154.00	2435	251.00	629	353.00	1684
57.00	7450	155.00	6015	252.00	715	354.00	2346
58.00	308	156.00	8161	253.00	1614	355.00	668
59.00	199	157.00	1777	255.00	209728	356.00	168
60.00	113	158.00	2066	256.00	30560	358.00	47
61.00	1421	159.00	1542	257.00	2730	359.00	204
62.00	1801	160.00	3335	258.00	12649	360.00	29
63.00	4879	161.00	4772	259.00	1895	361.00	115
64.00	690	162.00	1399	260.00	421	362.00	27
65.00	2273	163.00	435	261.00	384	363.00	130
66.00	200	164.00	749	262.00	81	365.00	11999
67.00	177	165.00	4523	263.00	153	366.00	1729
69.00	134976	166.00	3383	264.00	547	367.00	115

Report Date: 21-Dec-2010 14:31:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13787.D\8270B.rslt\spectra.d
Injection Date: 20-Dec-2010 21:50:30
Spectrum: Tune Spec: Scans 2074-2079(15.06-15.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	794	167.00	22136	265.00	5114	369.00	20
71.00	192	168.00	9298	266.00	925	370.00	333
72.00	69	169.00	1862	267.00	294	371.00	407
73.00	2691	170.00	836	268.00	232	372.00	4132
74.00	15190	171.00	1032	269.00	174	373.00	1029
75.00	22024	172.00	2021	270.00	357	374.00	49
76.00	8211	173.00	2545	271.00	574	377.00	54
77.00	145728	174.00	4598	272.00	736	382.00	20
78.00	9748	175.00	7982	273.00	6759	383.00	856
79.00	10446	176.00	2296	274.00	16864	384.00	390
80.00	8082	177.00	3924	275.00	90232	385.00	34
81.00	11627	178.00	1505	276.00	11842	387.00	31
82.00	2841	179.00	15215	277.00	7687	389.00	32
83.00	2671	180.00	10123	278.00	1316	390.00	537
84.00	819	181.00	4678	279.00	301	391.00	307
85.00	2071	182.00	855	280.00	77	392.00	242
86.00	3537	183.00	550	281.00	732	393.00	24
87.00	1557	184.00	1403	282.00	360	397.00	67
88.00	561	185.00	7838	283.00	1176	400.00	22
89.00	314	186.00	55616	284.00	743	401.00	254
90.00	30	187.00	15777	285.00	1488	402.00	1527
91.00	2642	188.00	1767	286.00	213	403.00	1945
92.00	3203	189.00	3788	287.00	21	404.00	678
93.00	20736	190.00	713	288.00	131	405.00	213
94.00	1466	191.00	2040	289.00	357	408.00	22
95.00	326	192.00	5167	290.00	343	410.00	64
96.00	1060	193.00	5848	291.00	253	411.00	33
97.00	238	194.00	1553	292.00	390	412.00	24
98.00	15983	195.00	627	293.00	1859	413.00	34
99.00	11484	196.00	14343	294.00	657	414.00	20
100.00	1156	198.00	354368	295.00	39	415.00	190
101.00	6763	199.00	24080	296.00	26792	416.00	98
102.00	326	200.00	1978	297.00	3661	417.00	96
103.00	2404	201.00	2348	298.00	276	418.00	48

Report Date: 21-Dec-2010 14:31:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13787.D\8270B.rslt\spectra.d
Injection Date: 20-Dec-2010 21:50:30
Spectrum: Tune Spec: Scans 2074-2079(15.06-15.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	4614	202.00	206	299.00	34	419.00	108
105.00	4381	203.00	3240	300.00	24	420.00	127
106.00	684	204.00	14266	301.00	361	421.00	1747
107.00	53488	205.00	24848	302.00	540	422.00	1823
108.00	8161	206.00	97328	303.00	2952	423.00	12328
110.00	90760	207.00	15140	304.00	852	424.00	3008
111.00	14855	208.00	4048	305.00	60	425.00	460
112.00	1926	209.00	1599	307.00	23	426.00	159
113.00	660	210.00	1896	308.00	452	427.00	228
114.00	127	211.00	4102	309.00	309	428.00	215
115.00	342	212.00	92	310.00	405	429.00	397
116.00	3826	213.00	366	311.00	72	430.00	361
117.00	49832	214.00	138	312.00	106	431.00	385
118.00	3261	215.00	1261	313.00	234	432.00	352
119.00	493	216.00	2015	314.00	1355	433.00	552
120.00	736	217.00	26368	315.00	2791	434.00	491
121.00	254	218.00	3347	316.00	1536	435.00	569
122.00	3895	219.00	486	317.00	273	436.00	882
123.00	6366	221.00	20392	318.00	20	437.00	1001
124.00	2923	222.00	968	319.00	75	438.00	897
125.00	2793	223.00	6375	320.00	82	439.00	1171
127.00	201856	224.00	52928	321.00	858	440.00	66
128.00	16544	225.00	13695	322.00	413	441.00	33032
129.00	82160	226.00	876	323.00	8335	442.00	203008
130.00	6869	227.00	23160	324.00	1481	443.00	38480
131.00	1406	228.00	3441	325.00	207	444.00	3526
132.00	858	229.00	4672	326.00	117	445.00	61
133.00	504	230.00	658	327.00	1454		

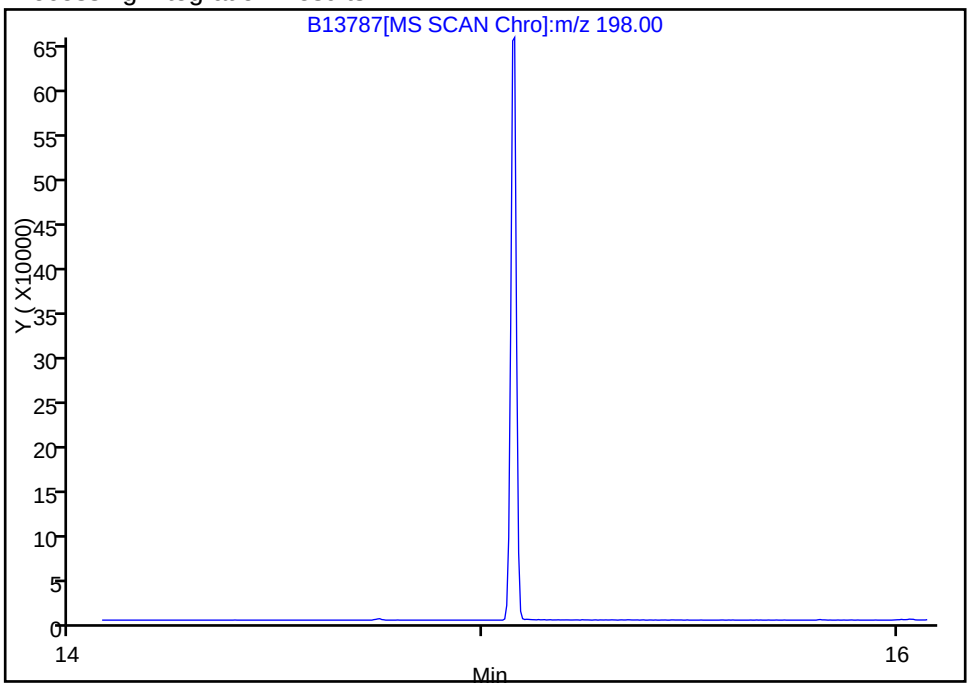
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13787.D		
Injection Date:	20-Dec-2010 21:50:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	12
Operator ID:	CT	Injection Vol:	2.00 ul

82 DFTPP, Signal: 1, m/z: 198.0 Type: quant, RT: 15.08

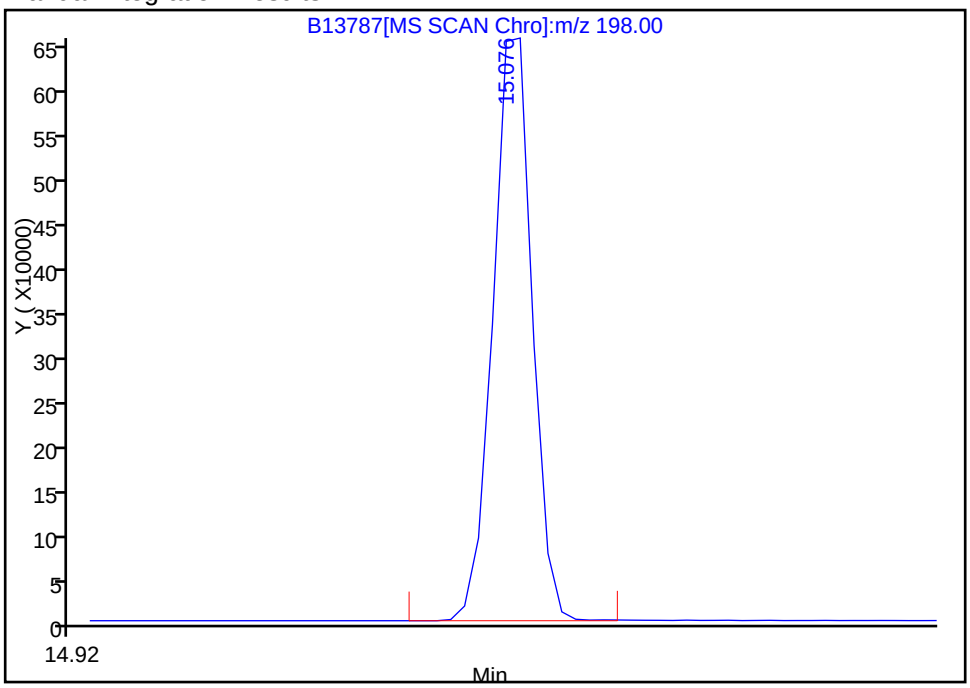
Not Detected
Expected RT: 15.08

Processing Integration Results



Manual Integration Results

RT:	15.08
Response:	622861
Amount:	0



Reviewer: testerc, 21-Dec-2010 11:25:26
Audit Action: New Tune Spectrum
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13808.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	22-Dec-2010 08:34:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	67515	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101222-4417.b\8270B.m		
Last Update:	23-Dec-2010 07:33:11	Calib Date:	20-Dec-2010 20:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	23-Dec-2010 07:33:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
78 Pentachlorophenol	266	14.676	14.677	-0.001	87	425802	0	
82 DFTPP	198	15.007	15.007	0.0	0	635458	0	A
86 Benzidine	184	16.075	16.076	-0.001	99	1624930	0	
88 4,4'-DDD	235	16.575	16.658	-0.083	95	53429	0	
90 4,4'-DDT	235	16.907	16.907	0.0	98	1456302	0	

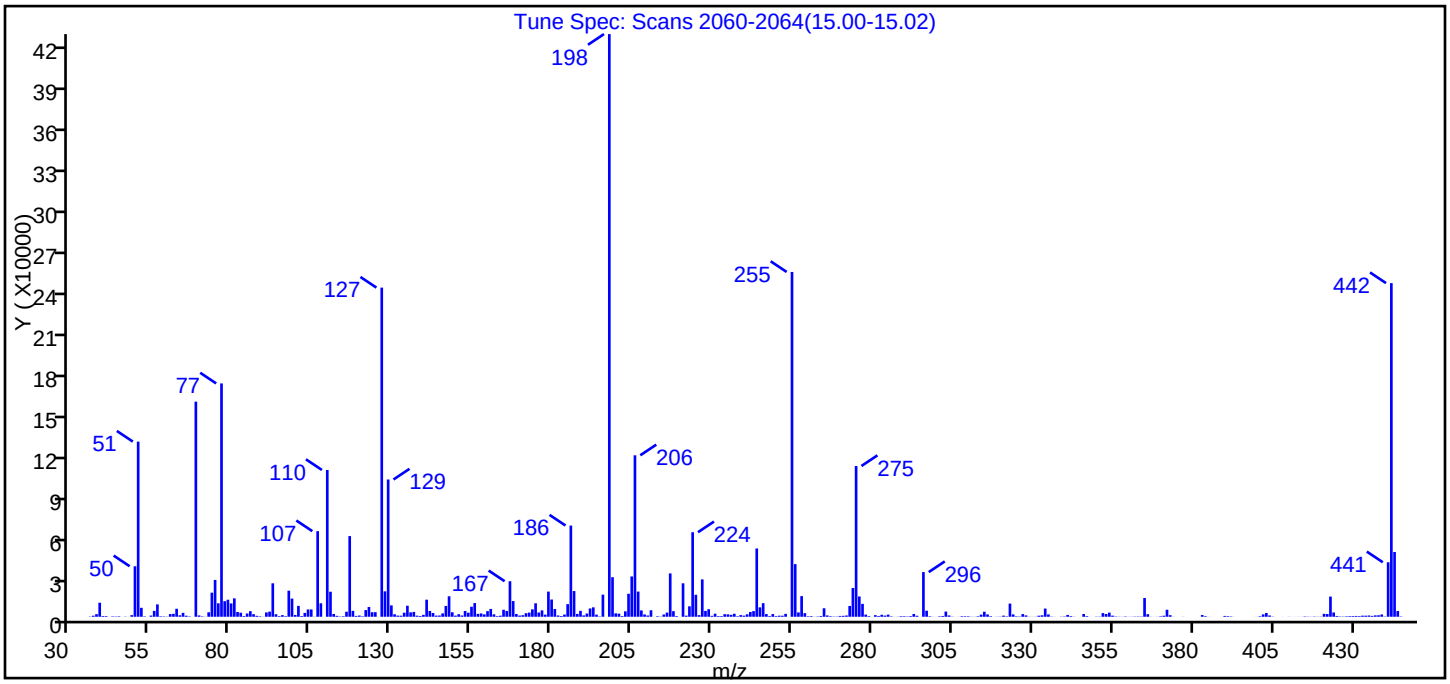
QC Flag Legend

Review Flags
A - User Assigned ID

MS Tune Report

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13808.D
Injection Date: 22-Dec-2010 08:34:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. B
Lims Batch ID: 67515 Lims Sample ID: 12
Operator ID: CT Injection Vol: 2.00 ul
Tune Method: DFTPP Method 8270

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	30.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	36.92
70	Less than 2.00% of mass 69	0.23 (0.62)
127	40.00 - 60.00% of mass 198	56.49
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.79
275	10.00 - 30.00% of mass 198	25.87
365	Greater than 1.00% of mass 198	3.22
441	Present, but less than mass 443%	9.35 (84.13)
442	Greater than 40.00% of mass 198	57.26
443	17.00 - 23.00% of mass 442	11.12 (19.42)

Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13808.D\8270B.rslt\spectra.d
Injection Date: 22-Dec-2010 08:34:30
Spectrum: Tune Spec: Scans 2060-2064(15.00-15.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	189	137.00	3517	235.00	1760	332.00	770
37.00	776	138.00	803	236.00	1409	333.00	1071
38.00	1872	139.00	579	237.00	2170	334.00	5937
39.00	10179	140.00	1378	238.00	379	335.00	1689
40.00	551	141.00	12355	239.00	1198	336.00	176
41.00	492	142.00	4212	240.00	823	337.00	65
43.00	306	143.00	2729	241.00	1788	339.00	152
44.00	229	144.00	852	242.00	3471	340.00	249
45.00	357	145.00	914	243.00	4117	341.00	1319
47.00	154	146.00	2434	244.00	49400	342.00	479
48.00	26	147.00	7834	245.00	6809	343.00	111
49.00	1170	148.00	14825	246.00	9854	346.00	2000
50.00	36560	149.00	3262	247.00	1954	347.00	473
51.00	126728	150.00	823	248.00	511	348.00	44
52.00	6480	151.00	1838	249.00	1943	350.00	164
53.00	318	152.00	923	250.00	473	351.00	155
55.00	861	153.00	4197	251.00	795	352.00	2666
56.00	4285	154.00	2941	252.00	761	353.00	1989
57.00	8955	155.00	7248	253.00	2111	354.00	3000
58.00	376	156.00	9898	255.00	249472	355.00	824
59.00	267	157.00	2116	256.00	38096	356.00	236
60.00	161	158.00	2397	257.00	3121	357.00	118
61.00	1946	159.00	1738	258.00	14943	358.00	90
62.00	2157	160.00	4087	259.00	2635	359.00	251
63.00	5799	161.00	5674	260.00	396	360.00	80
64.00	1047	162.00	1762	261.00	461	361.00	112
65.00	2833	163.00	487	262.00	71	362.00	195
66.00	776	164.00	777	263.00	216	363.00	230
67.00	277	165.00	5071	264.00	586	364.00	208
69.00	155648	166.00	4199	265.00	6159	365.00	13575
70.00	963	167.00	25720	266.00	957	366.00	1887
71.00	312	168.00	11372	267.00	399	367.00	93
72.00	76	169.00	2016	268.00	208	368.00	31

Report Date: 23-Dec-2010 07:33:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13808.D\8270B.rslt\spectra.d
Injection Date: 22-Dec-2010 08:34:30
Spectrum: Tune Spec: Scans 2060-2064(15.00-15.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3239	170.00	882	269.00	212	369.00	73
74.00	17432	171.00	1141	270.00	621	370.00	349
75.00	26648	172.00	2581	271.00	686	371.00	759
76.00	9734	173.00	3019	272.00	919	372.00	5082
77.00	168832	174.00	5375	273.00	7825	373.00	1148
78.00	11262	175.00	9753	274.00	20824	374.00	70
79.00	12331	176.00	3075	275.00	109080	377.00	80
80.00	9651	177.00	4640	276.00	14673	383.00	1253
81.00	13319	178.00	1544	277.00	9333	384.00	432
82.00	3480	179.00	18216	278.00	1578	385.00	39
83.00	2927	180.00	12475	279.00	481	386.00	39
84.00	526	181.00	5616	280.00	25	390.00	619
85.00	2355	182.00	945	281.00	1171	391.00	463
86.00	4063	183.00	549	282.00	571	392.00	269
87.00	1870	184.00	1603	283.00	1446	393.00	30
88.00	695	185.00	9134	284.00	860	399.00	24
89.00	341	186.00	66000	285.00	1575	400.00	32
90.00	80	187.00	18608	286.00	307	401.00	415
91.00	3140	188.00	2061	287.00	44	402.00	1722
92.00	3721	189.00	4285	288.00	112	403.00	2747
93.00	24208	190.00	983	289.00	433	404.00	945
94.00	1826	191.00	2328	290.00	414	405.00	171
95.00	482	192.00	6006	291.00	245	408.00	26
96.00	1175	193.00	6817	292.00	499	410.00	90
97.00	429	194.00	1531	293.00	2008	411.00	30
98.00	18872	195.00	274	294.00	733	412.00	36
99.00	13154	196.00	15998	296.00	32328	413.00	58
100.00	1262	198.00	421568	297.00	4390	414.00	48
101.00	7891	199.00	28616	298.00	375	415.00	262
102.00	536	200.00	2483	299.00	74	416.00	148
103.00	2791	201.00	2234	300.00	29	417.00	98
104.00	5268	202.00	549	301.00	354	418.00	208
105.00	5301	203.00	3941	302.00	589	419.00	112
106.00	97	204.00	16640	303.00	3766	420.00	156

Report Date: 23-Dec-2010 07:33:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101222-4417.b\B13808.D\8270B.rslt\spectra.d
Injection Date: 22-Dec-2010 08:34:30
Spectrum: Tune Spec: Scans 2060-2064(15.00-15.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	61944	205.00	29176	304.00	957	421.00	2128
108.00	9748	206.00	116824	305.00	146	422.00	1975
110.00	106208	207.00	18224	306.00	24	423.00	14619
111.00	18112	208.00	4594	307.00	58	424.00	3111
112.00	2020	209.00	1691	308.00	407	425.00	590
113.00	685	210.00	920	309.00	397	426.00	250
114.00	242	211.00	4728	310.00	374	427.00	194
115.00	398	213.00	398	311.00	108	428.00	358
116.00	3659	214.00	169	312.00	89	429.00	468
117.00	58384	215.00	1626	313.00	399	430.00	512
118.00	4282	216.00	3009	314.00	1540	431.00	596
119.00	623	217.00	31368	315.00	3622	432.00	493
120.00	892	218.00	4045	316.00	1690	433.00	803
121.00	356	219.00	498	317.00	420	434.00	791
122.00	4856	221.00	24208	318.00	30	435.00	910
123.00	7041	222.00	820	319.00	110	436.00	638
124.00	3283	223.00	7578	320.00	154	437.00	1000
125.00	3330	224.00	61168	321.00	839	438.00	1079
127.00	238144	225.00	15913	322.00	323	439.00	1663
128.00	18400	226.00	1177	323.00	9547	440.00	215
129.00	99320	227.00	27048	324.00	1718	441.00	39432
130.00	8236	228.00	4235	325.00	338	442.00	241408
131.00	1813	229.00	5467	326.00	242	443.00	46872
132.00	843	230.00	680	327.00	1946	444.00	4177
133.00	802	231.00	2209	328.00	992	445.00	253
134.00	2934	232.00	496	329.00	121		
135.00	7978	233.00	485	330.00	56		
136.00	3174	234.00	1865	331.00	106		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2071.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	21-Dec-2010 13:39:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	67510	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m		
Last Update:	22-Dec-2010 14:44:42	Calib Date:	21-Dec-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WES1002		

First Level Reviewer: testerc Date: 22-Dec-2010 14:44:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
79 Pentachlorophenol	266	12.341	12.341	0.0	85	191196	0	
55 DFTPP	198	12.740	12.740	0.0	0	353181	0	A
87 Benzidine	184	13.856	13.856	0.0	99	903134	0	
85 4,4'-DDD	235	14.356	14.352	0.004	92	15675	0	
89 4,4'-DDT	235	14.644	14.644	0.0	93	682917	0	

QC Flag Legend

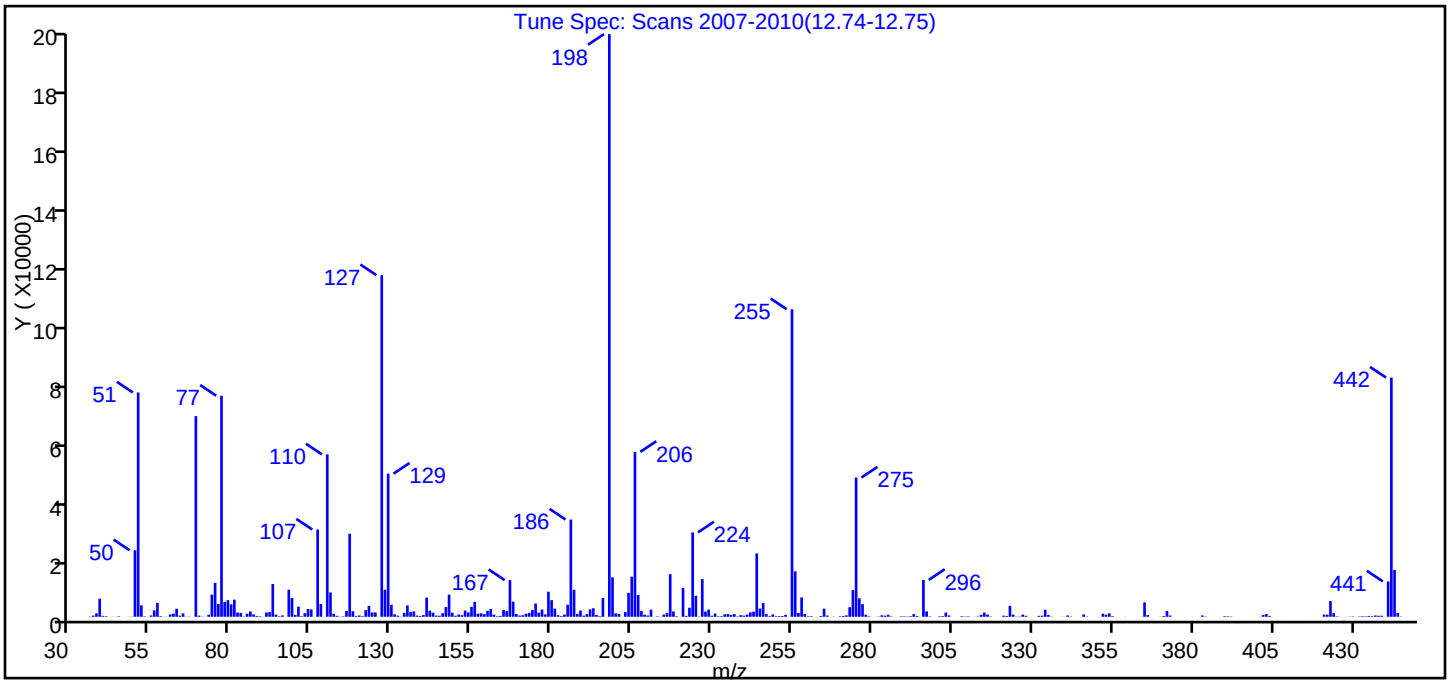
Review Flags
A - User Assigned ID

Report Date: 22-Dec-2010 14:44:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2071.D		
Injection Date:	21-Dec-2010 13:39:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	2.00 ul
Tune Method:	DFTPP Method 8270		

55 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	34.44
70	Less than 2.00% of mass 69	0.19 (0.56)
127	40.00 - 60.00% of mass 198	58.63
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.76
275	10.00 - 30.00% of mass 198	23.89
365	Greater than 1.00% of mass 198	2.46
441	Present, but less than mass 443%	6.07 (75.55)
442	Greater than 40.00% of mass 198	41.05
443	17.00 - 23.00% of mass 442	8.03 (19.57)

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2071.D\LL8270J.rslt\spectra.d
Injection Date: 21-Dec-2010 13:39:30
Spectrum: Tune Spec: Scans 2007-2010(12.74-12.75)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	96	124.00	1438	207.00	7135	297.00	1760
37.00	393	125.00	1431	208.00	1928	298.00	126
38.00	1131	127.00	111888	209.00	683	301.00	173
39.00	5906	128.00	8838	210.00	398	302.00	228
40.00	308	129.00	46872	211.00	2336	303.00	1386
41.00	184	130.00	3931	213.00	153	304.00	432
43.00	39	131.00	808	214.00	38	308.00	195
44.00	37	132.00	373	215.00	709	309.00	97
45.00	164	133.00	57	216.00	1225	310.00	145
48.00	42	134.00	1295	217.00	13954	312.00	32
49.00	55	135.00	3724	218.00	1736	313.00	113
50.00	21784	136.00	1558	219.00	182	314.00	634
51.00	73472	137.00	1758	221.00	9455	315.00	1384
52.00	3745	138.00	388	222.00	282	316.00	727
53.00	154	139.00	259	223.00	2958	317.00	110
55.00	418	140.00	564	224.00	27640	321.00	369
56.00	2088	141.00	6274	225.00	6873	322.00	263
57.00	4568	142.00	2017	226.00	94	323.00	3592
58.00	220	143.00	1331	227.00	12346	324.00	696
59.00	36	144.00	386	228.00	1697	325.00	67
60.00	37	145.00	337	229.00	2361	326.00	93
61.00	770	146.00	1161	230.00	327	327.00	699
62.00	1019	147.00	3175	231.00	1040	328.00	337
63.00	2629	148.00	7247	232.00	159	332.00	304
64.00	372	149.00	1347	233.00	216	333.00	351
65.00	1111	150.00	338	234.00	811	334.00	2293
66.00	56	151.00	739	235.00	904	335.00	574
67.00	86	152.00	515	236.00	594	336.00	73
69.00	65728	153.00	2041	237.00	881	339.00	30
70.00	368	154.00	1420	238.00	131	340.00	40
71.00	67	155.00	3246	239.00	522	341.00	416
72.00	37	156.00	4882	240.00	380	342.00	113
73.00	684	157.00	1005	241.00	714	346.00	752

Report Date: 22-Dec-2010 14:44:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2071.D\LL8270J.rslt\spectra.d
Injection Date: 21-Dec-2010 13:39:30
Spectrum: Tune Spec: Scans 2007-2010(12.74-12.75)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	7247	158.00	1142	242.00	1448	347.00	96
75.00	11095	159.00	838	243.00	1676	352.00	1008
76.00	4213	160.00	1941	244.00	20752	353.00	692
77.00	72408	161.00	2562	245.00	2692	354.00	1131
78.00	4864	162.00	700	246.00	4522	355.00	204
79.00	5446	163.00	193	247.00	854	359.00	32
80.00	4072	164.00	291	248.00	201	364.00	38
81.00	5604	165.00	2227	249.00	740	365.00	4697
82.00	1386	166.00	1844	250.00	192	366.00	553
83.00	1257	167.00	12009	251.00	237	370.00	62
84.00	97	168.00	4958	252.00	238	371.00	262
85.00	1004	169.00	918	253.00	640	372.00	1897
86.00	1739	170.00	394	255.00	100728	373.00	401
87.00	783	171.00	490	256.00	14881	383.00	436
88.00	277	172.00	992	257.00	1226	384.00	102
89.00	154	173.00	1282	258.00	6336	390.00	195
90.00	35	174.00	2216	259.00	928	391.00	160
91.00	1403	175.00	4338	260.00	173	392.00	97
92.00	1530	176.00	1335	261.00	198	401.00	54
93.00	10724	177.00	2381	263.00	31	402.00	595
94.00	715	178.00	782	264.00	249	403.00	876
95.00	155	179.00	8210	265.00	2656	404.00	265
96.00	441	180.00	5447	266.00	405	421.00	732
98.00	8849	181.00	2657	268.00	70	422.00	700
99.00	6152	182.00	515	270.00	173	423.00	5155
100.00	577	183.00	235	271.00	265	424.00	1177
101.00	3306	184.00	733	272.00	453	425.00	157
102.00	201	185.00	3948	273.00	3145	426.00	33
103.00	1159	186.00	31848	274.00	8745	428.00	36
104.00	2542	187.00	8831	275.00	45600	429.00	67
105.00	2411	188.00	936	276.00	6045	430.00	113
107.00	28560	189.00	2032	277.00	4157	432.00	127
108.00	4183	190.00	356	278.00	666	433.00	184
110.00	53184	191.00	857	279.00	159	434.00	147

Report Date: 22-Dec-2010 14:44:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2071.D\LL8270J.rslt\spectra.d
Injection Date: 21-Dec-2010 13:39:30
Spectrum: Tune Spec: Scans 2007-2010(12.74-12.75)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	7961	192.00	2458	281.00	30	435.00	283
112.00	996	193.00	2782	282.00	99	436.00	201
113.00	317	194.00	586	283.00	482	437.00	419
114.00	60	195.00	221	284.00	356	438.00	343
115.00	137	196.00	6146	285.00	664	439.00	347
116.00	1917	198.00	190848	286.00	113	441.00	11580
117.00	27192	199.00	12901	289.00	153	442.00	78336
118.00	1815	200.00	1114	290.00	151	443.00	15328
119.00	226	201.00	975	291.00	96	444.00	1230
120.00	415	203.00	1519	292.00	202	445.00	81
121.00	206	204.00	7812	293.00	867		
122.00	2185	205.00	13126	294.00	247		
123.00	3559	206.00	54000	296.00	12077		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2103.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	23-Dec-2010 11:26:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. J
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	67612	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20101223-4434.b\LL8270J.m		
Last Update:	30-Dec-2010 12:40:28	Calib Date:	21-Dec-2010 18:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D		
Limit Group:	SMS - 8270D_LL SVOA Calibration MCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	WESWEIGEL		
First Level Reviewer: weigelb		Date:	30-Dec-2010 12:40:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
79 Pentachlorophenol	266	12.196	12.196	0.0	83	187597	0	
55 DFTPP	198	12.605	12.605	0.0	0	329361	0	A
87 Benzidine	184	13.716	13.716	0.0	0	1047438	0	A
85 4,4'-DDD	235	14.211	14.211	0.0	0	12748	0	A
89 4,4'-DDT	235	14.505	14.505	0.0	0	633003	0	A

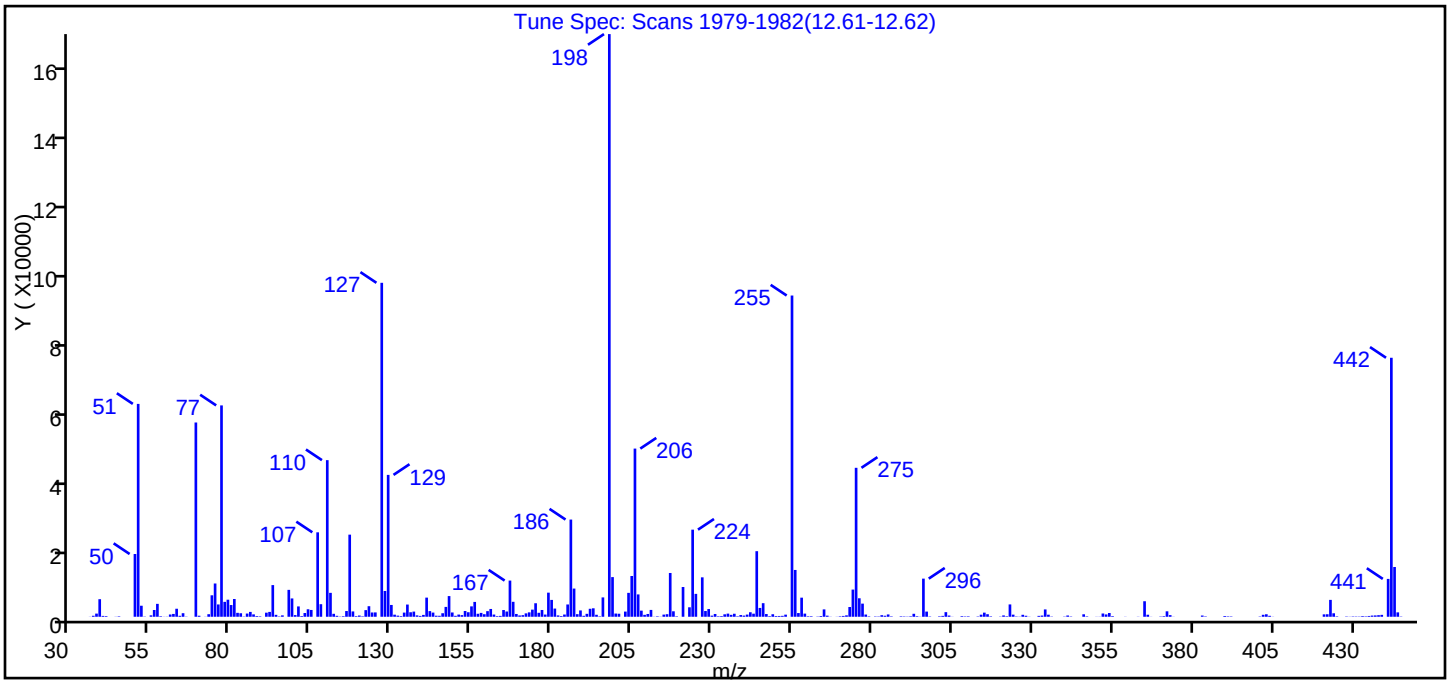
QC Flag Legend

Review Flags
A - User Assigned ID

MS Tune Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2103.D
Injection Date: 23-Dec-2010 11:26:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. J
Lims Batch ID: 67612 Lims Sample ID: 12
Operator ID: CT Injection Vol: 2.00 ul
Tune Method: DFTPP Method 8270

55 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.54
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	33.34
70	Less than 2.00% of mass 69	0.18 (0.53)
127	40.00 - 60.00% of mass 198	57.32
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	25.56
365	Greater than 1.00% of mass 198	2.66
441	Present, but less than mass 443%	6.50 (76.06)
442	Greater than 40.00% of mass 198	44.45
443	17.00 - 23.00% of mass 442	8.54 (19.22)

Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2103.D\LL8270J.rslt\spectra.d
Injection Date: 23-Dec-2010 11:26:30
Spectrum: Tune Spec: Scans 1979-1982(12.61-12.62)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 318

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	33	131.00	574	213.00	133	304.00	333
37.00	278	132.00	311	214.00	39	305.00	33
38.00	870	133.00	181	215.00	596	308.00	180
39.00	4827	134.00	1145	216.00	703	309.00	105
40.00	239	135.00	3357	217.00	12027	310.00	135
41.00	183	136.00	1238	218.00	1505	313.00	96
44.00	37	137.00	1421	219.00	130	314.00	569
45.00	127	138.00	381	221.00	8174	315.00	1134
50.00	17240	139.00	236	223.00	2607	316.00	698
51.00	58480	140.00	512	224.00	23928	317.00	128
52.00	3031	141.00	5259	225.00	6289	320.00	66
53.00	69	142.00	1553	227.00	10831	321.00	368
55.00	392	143.00	1149	228.00	1575	322.00	145
56.00	1859	144.00	291	229.00	2123	323.00	3391
57.00	3547	145.00	273	230.00	308	324.00	582
58.00	155	146.00	971	231.00	763	325.00	89
59.00	32	147.00	2709	232.00	139	326.00	51
60.00	44	148.00	5682	233.00	188	327.00	542
61.00	625	149.00	1177	234.00	674	328.00	275
62.00	780	150.00	263	235.00	864	329.00	42
63.00	2203	151.00	600	236.00	528	332.00	245
64.00	266	152.00	449	237.00	829	333.00	331
65.00	979	153.00	1582	238.00	128	334.00	2017
66.00	58	154.00	1243	239.00	473	335.00	568
69.00	53368	155.00	2856	240.00	323	336.00	75
70.00	284	156.00	4080	241.00	599	340.00	71
72.00	36	157.00	825	242.00	1240	341.00	347
73.00	703	158.00	1063	243.00	845	342.00	91
74.00	5896	159.00	700	244.00	18016	346.00	680
75.00	9141	160.00	1542	245.00	2424	347.00	121
76.00	3384	161.00	2146	246.00	3733	350.00	35
77.00	58064	162.00	609	247.00	751	351.00	39
78.00	4097	163.00	180	248.00	172	352.00	896

Report Date: 30-Dec-2010 12:40:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2103.D\LL8270J.rslt\spectra.d
Injection Date: 23-Dec-2010 11:26:30
Spectrum: Tune Spec: Scans 1979-1982(12.61-12.62)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 318

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	4689	164.00	242	249.00	695	353.00	643
80.00	3222	165.00	1852	250.00	200	354.00	1036
81.00	4881	166.00	1443	251.00	220	355.00	178
82.00	1080	167.00	9942	252.00	257	359.00	35
83.00	968	168.00	4111	253.00	582	363.00	43
84.00	75	169.00	767	255.00	88248	365.00	4265
85.00	885	170.00	362	256.00	12859	366.00	558
86.00	1338	171.00	443	257.00	1020	367.00	30
87.00	656	172.00	934	258.00	5250	370.00	88
88.00	196	173.00	1210	259.00	865	371.00	168
89.00	126	174.00	1959	260.00	146	372.00	1500
91.00	1123	175.00	3714	261.00	152	373.00	449
92.00	1334	176.00	1092	263.00	73	374.00	31
93.00	8701	177.00	1863	264.00	211	383.00	339
94.00	530	178.00	606	265.00	2027	384.00	111
95.00	103	179.00	6622	266.00	304	390.00	208
96.00	385	180.00	4630	267.00	38	391.00	125
98.00	7392	181.00	2254	269.00	32	392.00	105
99.00	5035	182.00	373	270.00	130	401.00	94
100.00	461	183.00	196	271.00	230	402.00	541
101.00	2843	184.00	614	272.00	390	403.00	688
102.00	198	185.00	3379	273.00	2684	404.00	265
103.00	1032	186.00	26704	274.00	7469	405.00	35
104.00	2062	187.00	7747	275.00	40920	421.00	663
105.00	1871	188.00	712	276.00	5081	422.00	689
107.00	23200	189.00	1740	277.00	3610	423.00	4639
108.00	3455	190.00	265	278.00	611	424.00	957
110.00	43024	191.00	807	279.00	123	425.00	125
111.00	6571	192.00	2194	281.00	97	428.00	92
112.00	814	193.00	2326	282.00	90	429.00	39
113.00	263	194.00	547	283.00	436	430.00	98
114.00	69	195.00	125	284.00	284	431.00	86
115.00	160	196.00	5318	285.00	638	432.00	74
116.00	1575	198.00	160064	286.00	119	433.00	184

Report Date: 30-Dec-2010 12:40:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTJ.i\20101223-4434.b\J2103.D\LL8270J.rslt\spectra.d
Injection Date: 23-Dec-2010 11:26:30
Spectrum: Tune Spec: Scans 1979-1982(12.61-12.62)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 318

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	22560	199.00	10895	289.00	135	434.00	117
118.00	1466	200.00	882	290.00	98	435.00	221
119.00	177	201.00	835	291.00	63	436.00	330
120.00	341	203.00	1426	292.00	140	437.00	367
121.00	127	204.00	6568	293.00	817	438.00	436
122.00	1824	205.00	11199	294.00	161	439.00	524
123.00	2901	206.00	46200	295.00	38	441.00	10400
124.00	1175	207.00	6139	296.00	10476	442.00	71152
125.00	1196	208.00	1685	297.00	1422	443.00	13673
127.00	91744	209.00	529	298.00	93	444.00	1206
128.00	7085	210.00	769	301.00	137	445.00	79
129.00	38976	211.00	1881	302.00	245		
130.00	3245	212.00	37	303.00	1269		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67334/1-A

Matrix: Solid | Lab File ID: B13793.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 01:26

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67334/1-A

Matrix: Solid | Lab File ID: B13793.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 01:26

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	ND		170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	ND		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67334/1-A

Matrix: Solid | Lab File ID: B13793.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 01:26

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
101-84-8	Diphenyl oxide	ND		33	10
129-00-0	Pyrene	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
122-39-4	Diphenylamine	ND		33	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	72		30-130
321-60-8	2-Fluorobiphenyl	74		30-130
367-12-4	2-Fluorophenol	74		30-130
4165-60-0	Nitrobenzene-d5	68		30-130
4165-62-2	Phenol-d5	76		30-130
1718-51-0	Terphenyl-d14	76		30-130

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

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67334/1-A

Matrix: Solid | Lab File ID: B13793.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 01:26

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 3794.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.29	23.2	T J
78-95-5	2-Propanone, 1-chloro-	5.36	27.3	T J N
141-79-7	3-Penten-2-one, 4-methyl-	7.05	34.1	T J N
	Unknown	7.67	3620	T J
301-2-0	9-Octadecenamide, (Z)-	16.77	52.6	T J N
112-92-5	1-Octadecanol	17.20	37.4	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D
Lims ID: MB 360-67334/1-A Client ID:
Inject. Date: 21-Dec-2010 01:26:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 360-67334/1-A
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 20
Lims Batch ID: 67459 Lims Sample ID: 18
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 14:31:11 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 21-Dec-2010 14:48:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.687	9.676	0.011	91	147157	4.00	
* 2 Naphthalene-d8	136	11.293	11.292	0.001	99	545844	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	92	295073	4.00	
* 4 Phenanthrene-d10	188	14.943	14.946	-0.003	96	459413	4.00	
* 5 Chrysene-d12	240	17.693	17.692	0.001	97	386701	4.00	
* 6 Perylene-d12	264	20.343	20.347	-0.003	95	271284	4.00	
$ 7 2-Fluorophenol	112	8.037	8.002	0.035	83	233588	7.45	
$ 8 Phenol-d5	99	9.148	9.137	0.011	86	247802	7.56	
$ 9 Nitrobenzene-d5	82	10.369	10.368	0.001	80	95656	3.38	
$ 10 2-Fluorobiphenyl	172	12.596	12.600	-0.004	99	289663	3.70	
$ 11 2,4,6-Tribromophenol	330	14.245	14.244	0.001	89	55032	7.21	
$ 12 Terphenyl-d14	244	16.380	16.379	0.001	98	225103	3.81	
66 Diethyl phthalate	149	13.788	13.787	0.001	64	2135	0.0298	
80 Phenanthrene	178	14.967	14.970	-0.003	51	2938	0.0332	
84 Di-n-butyl phthalate	149	15.361	15.365	-0.004	99	57806	0.5032	
92 Bis(2-ethylhexyl) phthalate	149	17.414	17.413	0.001	91	12828	0.1978	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D		
Lims ID:	MB 360-67334/1-A	Client ID:	
Inject. Date:	21-Dec-2010 01:26:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-67334/1-A		
Misc. Info.:			
Operator:	CT	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	20
Lims Batch ID:	67459	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m		
Last Update:	21-Dec-2010 14:31:11	Calib Date:	20-Dec-2010 20:38:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1002		
First Level Reviewer: testerc		Date:	21-Dec-2010 14:48:35

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
5.291	140840	0.6950	1			
	78-95-5	2-Propanone, 1-chloro-				
5.363	165737	0.8178	1	86	3879	
	141-79-7	3-Penten-2-one, 4-methyl-				
7.051	207408	1.02	1	91	33008	
	Unknown					
7.667	22026590	108.7	1			
	301-2-0	9-Octadecenamide, (Z)-				
16.770	419573	1.58	5	94	19657	
	112-92-5	1-Octadecanol				
17.198	298119	1.12	5	91	111484	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	9.687	810643	4.00
* 5 Chrysene-d12	17.693	1063159	4.00

QC Flag Legend

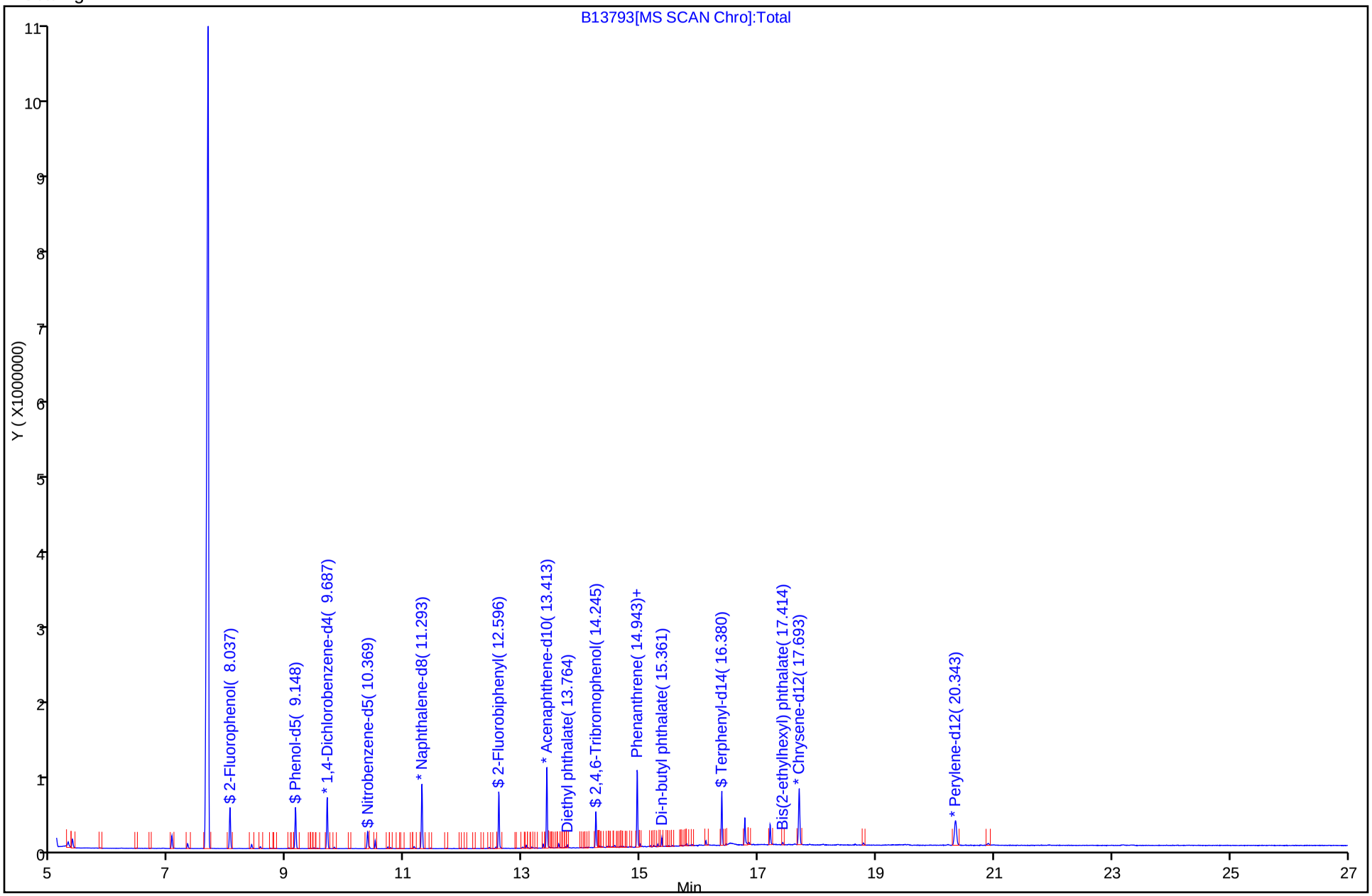
Processing Flags

Report Date: 21-Dec-2010 14:48:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D

Injection Date:	21-Dec-2010 01:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:

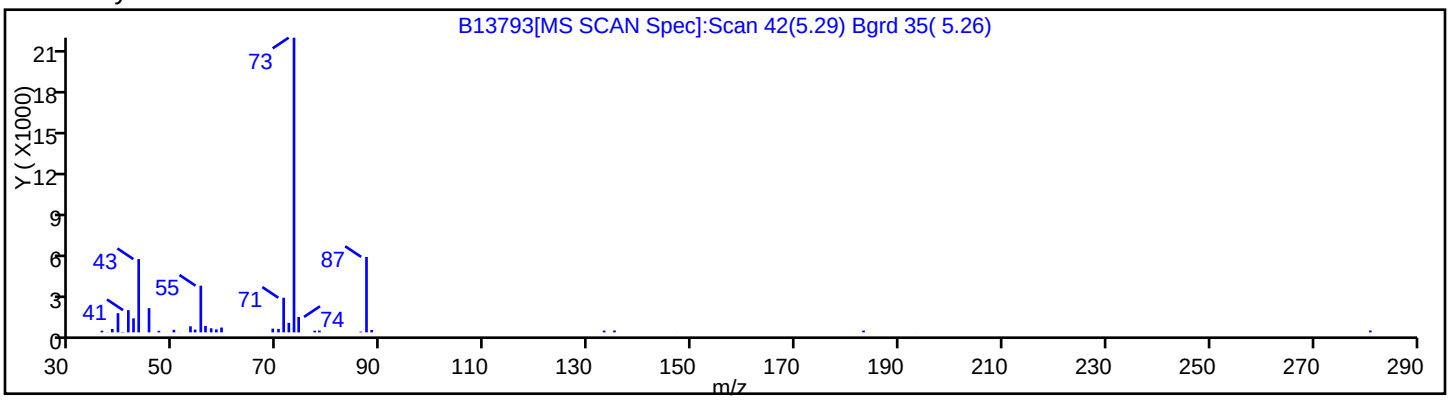


Report Date: 21-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D

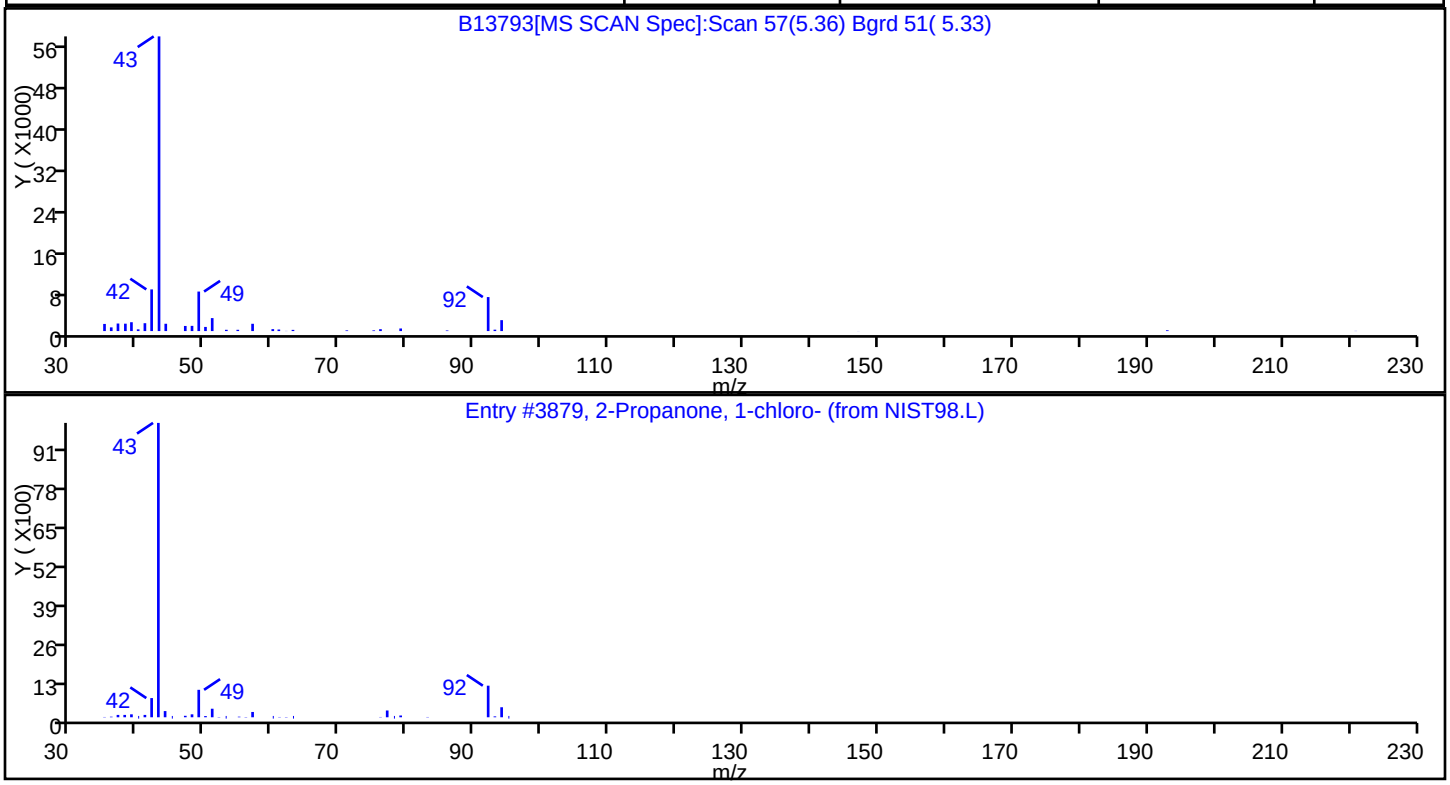
Injection Date:	21-Dec-2010 01:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



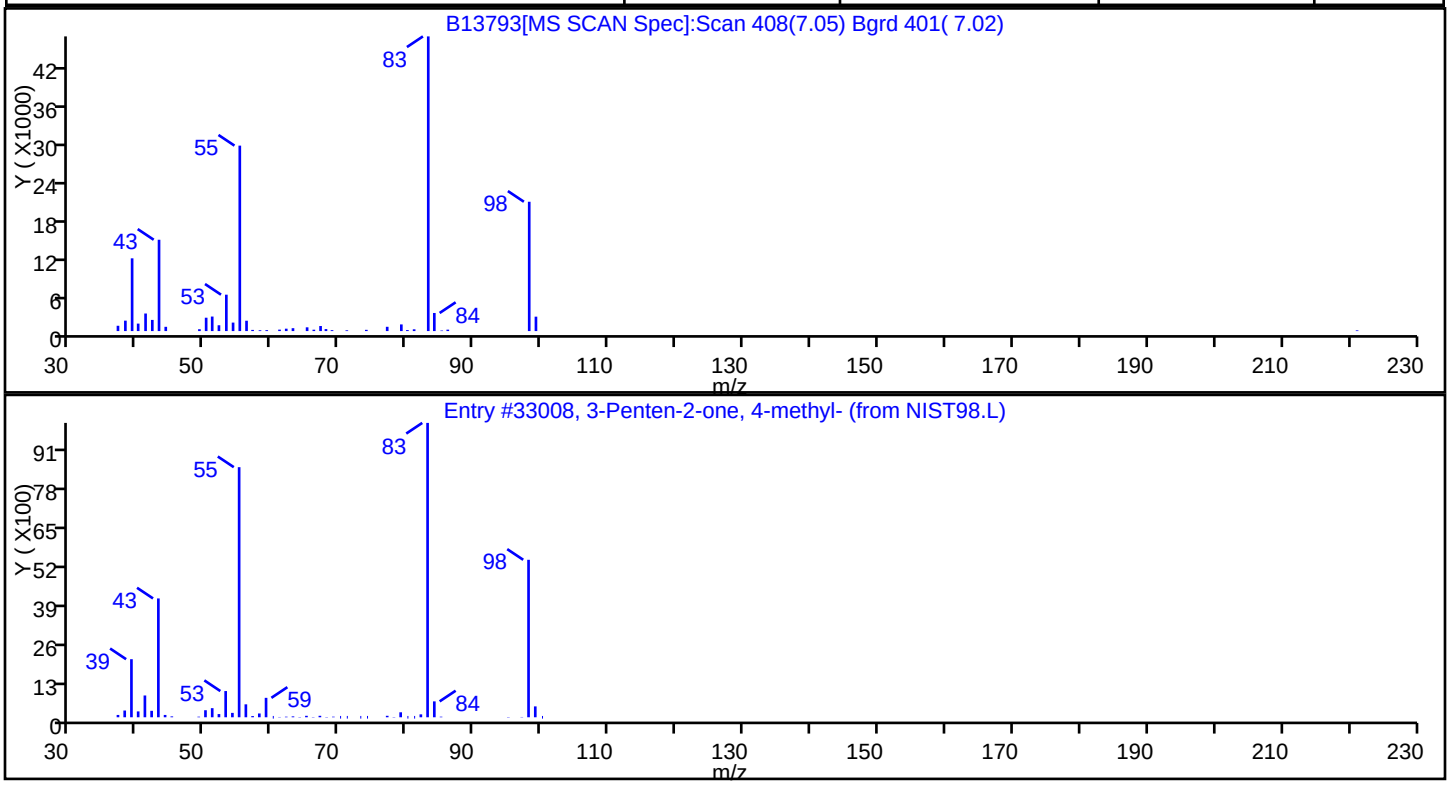
Report Date: 21-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D
Injection Date: 21-Dec-2010 01:26:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. B
Lims Batch ID: 67459 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Propanone, 1-chloro-	78-95-5	NIST98.L	3879	86



Report Date: 21-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D
Injection Date: 21-Dec-2010 01:26:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. B
Lims Batch ID: 67459 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	33008	91

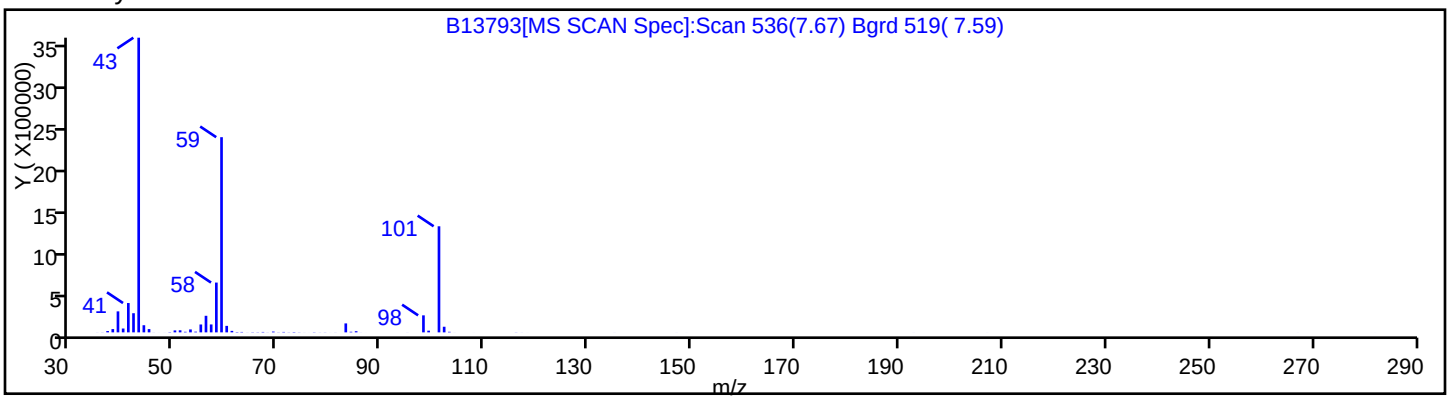


Report Date: 21-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D

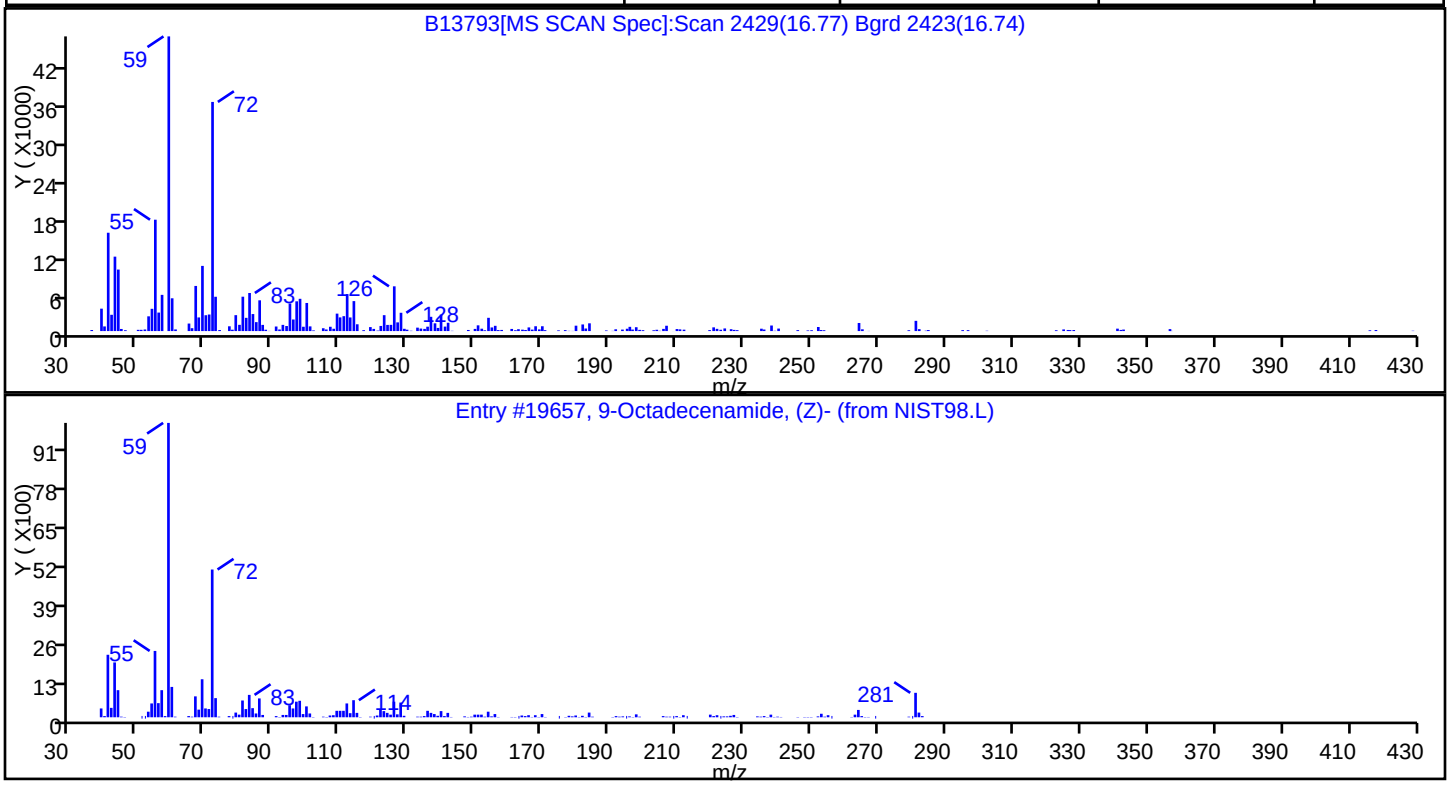
Injection Date:	21-Dec-2010 01:26:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

No Library Matches Found above the Threshold: 85



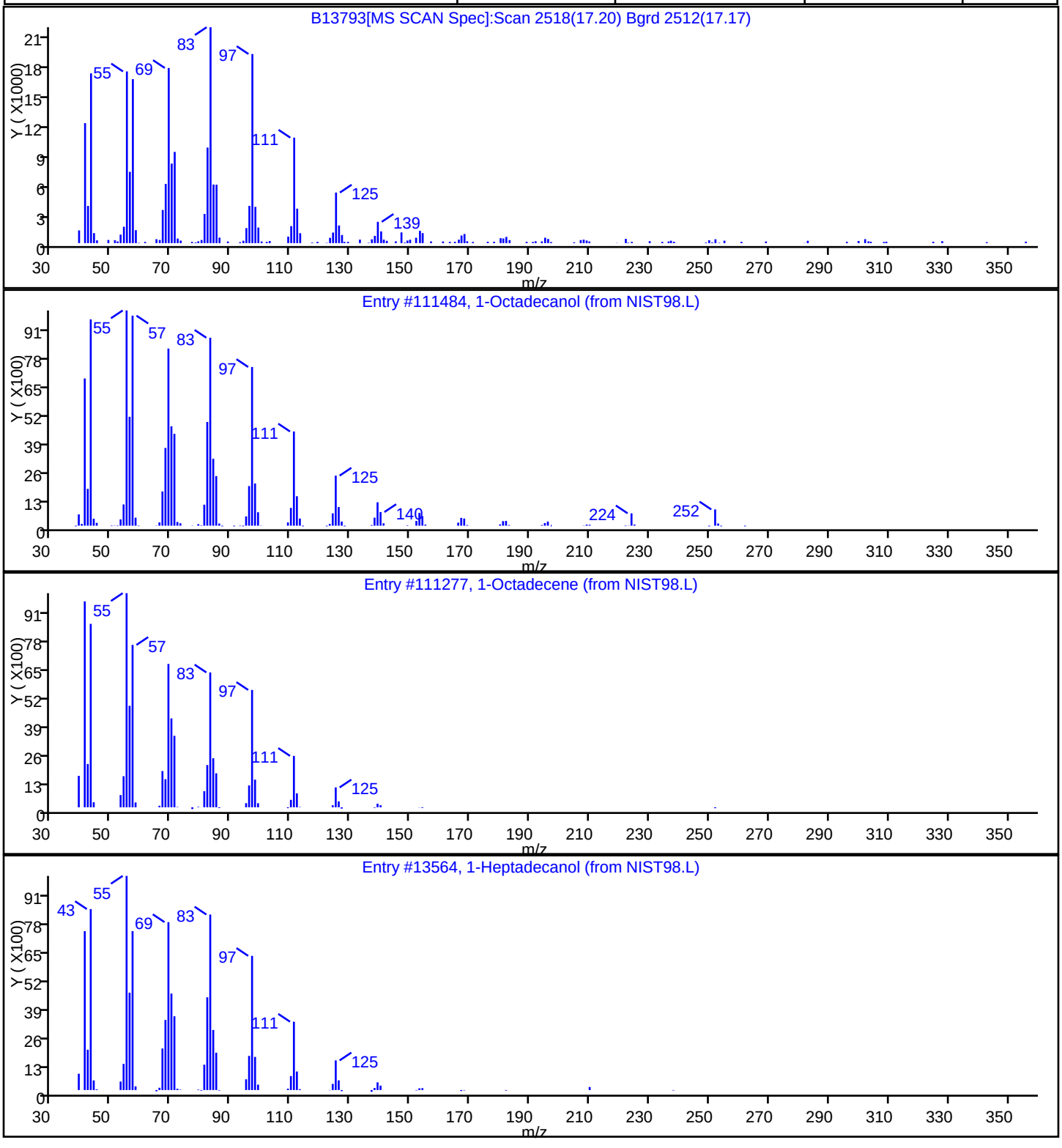
Report Date: 21-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D
Injection Date: 21-Dec-2010 01:26:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. B
Lims Batch ID: 67459 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
9-Octadecenamide, (Z)-	301-2-0	NIST98.L	19657	94



Report Date: 21-Dec-2010 14:48:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13793.D
Injection Date: 21-Dec-2010 01:26:30 Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Client ID: Instrument ID: Inst. B
Lims Batch ID: 67459 Lims Sample ID: 18
Operator ID: CT Injection Vol: 2.00 ul

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Octadecanol	112-92-5	NIST98.L	111484	91
1-Octadecene	112-88-9	NIST98.L	111277	91
1-Heptadecanol	1454-85-9	NIST98.L	13564	87



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67334/2-A

Matrix: Solid | Lab File ID: B13794.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 02:01

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	278		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	230		33	10
120-82-1	1,2,4-Trichlorobenzene	203		33	10
95-50-1	1,2-Dichlorobenzene	244		33	10
541-73-1	1,3-Dichlorobenzene	241		33	10
106-46-7	1,4-Dichlorobenzene	244		33	10
90-12-0	1-Methylnaphthalene	227		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	266		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	289		33	10
95-95-4	2,4,5-Trichlorophenol	322		33	10
88-06-2	2,4,6-Trichlorophenol	298		33	10
120-83-2	2,4-Dichlorophenol	248		33	10
105-67-9	2,4-Dimethylphenol	262		33	13
51-28-5	2,4-Dinitrophenol	198		33	10
121-14-2	2,4-Dinitrotoluene	302		33	10
606-20-2	2,6-Dinitrotoluene	308		33	10
91-58-7	2-Chloronaphthalene	228		33	10
95-57-8	2-Chlorophenol	272		33	10
91-57-6	2-Methylnaphthalene	236		33	10
95-48-7	2-Methylphenol	282		33	20
88-74-4	2-Nitroaniline	341		170	10
88-75-5	2-Nitrophenol	227		33	10
15831-10-4	3 & 4 Methylphenol	329		33	10
91-94-1	3,3'-Dichlorobenzidine	336		67	10
99-09-2	3-Nitroaniline	328		170	10
534-52-1	4,6-Dinitro-2-methylphenol	259		170	10
101-55-3	4-Bromophenyl phenyl ether	293		33	10
59-50-7	4-Chloro-3-methylphenol	278		67	10
106-47-8	4-Chloroaniline	184		67	10
7005-72-3	4-Chlorophenyl phenyl ether	299		33	10
100-01-6	4-Nitroaniline	375		170	10
100-02-7	4-Nitrophenol	305		170	10
83-32-9	Acenaphthene	300		33	10
208-96-8	Acenaphthylene	264		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67334/2-A

Matrix: Solid | Lab File ID: B13794.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 02:01

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	272		33	10
62-53-3	Aniline	162		33	10
120-12-7	Anthracene	310		33	10
1912-24-9	Atrazine	332		33	10
103-33-3	Azobenzene	287		33	10
100-52-7	Benzaldehyde	228		33	10
56-55-3	Benzo[a]anthracene	315		33	10
50-32-8	Benzo[a]pyrene	317		33	10
205-99-2	Benzo[b]fluoranthene	299		33	10
191-24-2	Benzo[g,h,i]perylene	343		33	10
207-08-9	Benzo[k]fluoranthene	314		33	10
65-85-0	Benzoic acid	158	J	170	15
119-61-9	Benzophenone	294		33	10
100-51-6	Benzyl alcohol	311		67	28
111-91-1	Bis(2-chloroethoxy)methane	227		33	10
111-44-4	Bis(2-chloroethyl)ether	249		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	323		33	10
85-68-7	Butyl benzyl phthalate	295		33	10
105-60-2	Caprolactam	255		33	10
86-74-8	Carbazole	348		33	10
218-01-9	Chrysene	312		33	10
53-70-3	Dibenz(a,h)anthracene	339		33	10
132-64-9	Dibenzofuran	286		33	10
84-66-2	Diethyl phthalate	315		33	10
131-11-3	Dimethyl phthalate	302		33	10
84-74-2	Di-n-butyl phthalate	331		33	29
117-84-0	Di-n-octyl phthalate	317		33	17
206-44-0	Fluoranthene	299		33	10
86-73-7	Fluorene	312		33	10
118-74-1	Hexachlorobenzene	279		33	10
87-68-3	Hexachlorobutadiene	216		33	10
77-47-4	Hexachlorocyclopentadiene	184		67	10
67-72-1	Hexachloroethane	232		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	358		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67334/2-A

Matrix: Solid | Lab File ID: B13794.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 02:01

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	184		33	10
91-20-3	Naphthalene	226		80	10
98-95-3	Nitrobenzene	227		33	10
621-64-7	N-Nitrosodi-n-propylamine	271		33	10
86-30-6	N-Nitrosodiphenylamine	287		33	10
87-86-5	Pentachlorophenol	281		33	10
85-01-8	Phenanthrene	292		40	10
108-95-2	Phenol	292		33	10
101-84-8	Diphenyl oxide	238		33	10
129-00-0	Pyrene	300		33	10
62-75-9	N-Nitrosodimethylamine	251		33	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		30-130
321-60-8	2-Fluorobiphenyl	74		30-130
367-12-4	2-Fluorophenol	74		30-130
4165-60-0	Nitrobenzene-d5	77		30-130
4165-62-2	Phenol-d5	78		30-130
1718-51-0	Terphenyl-d14	76		30-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13794.D
Lims ID: LCS 360-67334/2-A Client ID:
Inject. Date: 21-Dec-2010 02:01:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 360-67334/2-A
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 21
Lims Batch ID: 67459 Lims Sample ID: 19
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 14:31:11 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 21-Dec-2010 14:49:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.686	9.676	0.010	91	124613	4.00	
* 2 Naphthalene-d8	136	11.292	11.292	0.0	99	536291	4.00	
* 3 Acenaphthene-d10	164	13.413	13.412	0.001	93	260899	4.00	
* 4 Phenanthrene-d10	188	14.947	14.946	0.001	96	419731	4.00	
* 5 Chrysene-d12	240	17.698	17.692	0.006	97	374398	4.00	
* 6 Perylene-d12	264	20.343	20.347	-0.003	79	273962	4.00	
$ 7 2-Fluorophenol	112	8.032	8.002	0.030	82	204752	7.38	
$ 8 Phenol-d5	99	9.148	9.137	0.011	88	216352	7.80	
$ 9 Nitrobenzene-d5	82	10.369	10.368	0.001	80	107599	3.87	
$ 10 2-Fluorobiphenyl	172	12.600	12.600	0.0	100	256198	3.70	
$ 11 2,4,6-Tribromophenol	330	14.245	14.244	0.001	91	54858	7.81	
$ 12 Terphenyl-d14	244	16.380	16.379	0.001	98	216848	3.79	
14 1,4-Dioxane	88	5.729	5.632	0.097	84	48498	4.66	
15 N-Nitrosodimethylamine	42	6.186	6.122	0.064	95	67538	7.54	
16 Pyridine	52	6.267	6.194	0.073	97	57919	6.29	
17 Benzaldehyde	105	9.143	9.132	0.011	61	127761	6.84	
18 Phenol	94	9.167	9.152	0.015	95	235802	8.75	
19 Aniline	93	9.263	9.253	0.010	99	139704	4.85	
20 Bis(2-chloroethyl)ether	93	9.306	9.296	0.010	97	190495	7.47	
21 2-Chlorophenol	128	9.422	9.411	0.011	90	243085	8.16	
23 1,3-Dichlorobenzene	146	9.624	9.613	0.011	98	267246	7.23	
22 1,4-Dichlorobenzene	146	9.706	9.700	0.006	96	269075	7.33	
24 Benzyl alcohol	79	9.816	9.810	0.006	97	146503	9.34	
25 1,2-Dichlorobenzene	146	9.908	9.902	0.006	100	259000	7.32	
26 2-Methylphenol	108	9.927	9.921	0.006	93	193325	8.45	
27 2,2'-oxybis[1-chloropropane]	45	9.970	9.969	0.001	53	175694	7.97	
28 3 & 4 Methylphenol	107	10.105	10.099	0.006	92	247594	9.86	
29 N-Nitrosodi-n-propylamine	42	10.134	10.128	0.006	76	64210	8.14	
30 Acetophenone	105	10.162	10.157	0.005	90	269249	8.16	
31 Hexachloroethane	117	10.336	10.335	0.001	90	90210	6.95	
32 Nitrobenzene	77	10.393	10.392	0.001	78	168926	6.82	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
33 Isophorone	82	10.672	10.671	0.001	97	274571	5.52	
35 2,4-Dimethylphenol	107	10.783	10.777	0.006	88	212831	7.86	
34 2-Nitrophenol	139	10.797	10.796	0.001	82	126769	6.82	
36 Benzoic acid	105	10.821	10.820	0.001	85	41568	4.75	
37 Bis(2-chloroethoxy)methane	93	10.903	10.902	0.001	94	222670	6.81	
38 2,4-Dichlorophenol	162	11.086	11.080	0.006	86	195117	7.43	
39 1,2,4-Trichlorobenzene	180	11.206	11.205	0.001	94	209137	6.10	
41 Naphthalene	128	11.321	11.320	0.001	98	695754	6.79	
42 4-Chloroaniline	127	11.355	11.359	-0.004	81	157276	5.53	
43 Hexachlorobutadiene	225	11.451	11.450	0.001	97	116511	6.49	
44 Caprolactam	55	11.788	11.777	0.011	73	53308	7.66	
45 4-Chloro-3-methylphenol	107	11.922	11.921	0.001	90	178389	8.33	
46 2-Methylnaphthalene	142	12.182	12.181	0.001	89	452179	7.07	
47 1-Methylnaphthalene	142	12.312	12.311	0.001	91	456131	6.80	
48 Hexachlorocyclopentadiene	237	12.370	12.369	0.001	87	69673	5.52	
49 1,2,4,5-Tetrachlorobenzene	216	12.389	12.388	0.001	97	201108	6.91	
50 2,4,6-Trichlorophenol	196	12.509	12.508	0.001	87	138569	8.95	
51 2,4,5-Trichlorophenol	196	12.557	12.556	0.001	96	148428	9.66	
52 1,1'-Biphenyl	154	12.725	12.725	0.0	92	578945	8.33	
53 2-Chloronaphthalene	162	12.778	12.777	0.001	95	430853	6.83	
54 Phenyl ether	170	12.836	12.840	-0.004	89	315815	7.14	
55 2-Nitroaniline	138	12.875	12.874	0.001	78	137335	10.2	
56 Dimethyl phthalate	163	13.033	13.032	0.001	99	562188	9.05	
58 Acenaphthylene	152	13.264	13.263	0.001	98	670692	7.91	
59 3-Nitroaniline	138	13.331	13.330	0.001	90	90833	9.84	
60 2,4-Dinitrophenol	184	13.442	13.441	0.001	49	31358	5.94	
61 Acenaphthene	153	13.452	13.451	0.001	93	534327	8.99	
62 4-Nitrophenol	139	13.461	13.455	0.006	51	96238	9.14	
63 2,4-Dinitrotoluene	165	13.577	13.576	0.001	91	151102	9.05	
57 2,6-Dinitrotoluene	165	13.125	13.125	-0.451	0	123039	9.25	A
64 Dibenzofuran	168	13.630	13.633	-0.003	95	601093	8.57	
65 2,3,4,6-Tetrachlorophenol	232	13.750	13.701	0.049	0	104485	8.68	
66 Diethyl phthalate	149	13.788	13.787	0.001	98	600141	9.46	
67 4-Chlorophenyl phenyl ether	204	13.957	13.956	0.001	84	243121	8.97	
68 4-Nitroaniline	138	13.995	13.994	0.001	39	110906	11.3	
69 Fluorene	166	13.995	13.999	-0.004	81	559884	9.37	
70 4,6-Dinitro-2-methylphenol	198	14.014	14.009	0.006	93	71477	7.77	
72 N-Nitrosodiphenylamine	169	14.072	14.076	-0.004	51	360716	8.62	
73 1,2-Diphenylhydrazine	77	14.125	14.124	0.001	1	564378	8.61	
74 Azobenzene	77	14.125	14.124	0.001	89	564378	8.61	
13 Benzophenone	105	14.139	14.138	0.001	90	453830	8.81	
75 4-Bromophenyl phenyl ether	248	14.461	14.461	0.0	55	134100	8.79	
77 Atrazine	200	14.562	14.562	0.0	75	145391	9.96	
76 Hexachlorobenzene	284	14.567	14.566	0.001	91	138002	8.38	
78 Pentachlorophenol	266	14.745	14.744	0.001	90	76568	8.42	
79 Pentachloronitrobenzene	237	14.760	14.759	0.001	83	61922	9.30	
80 Phenanthrene	178	14.971	14.970	0.001	98	708264	8.77	
81 Anthracene	178	15.019	15.018	0.001	97	721639	9.31	
83 Carbazole	167	15.149	15.148	0.001	81	616233	10.4	
84 Di-n-butyl phthalate	149	15.361	15.365	-0.004	99	1042978	9.94	
87 Fluoranthene	202	16.087	16.086	0.001	98	731800	8.96	
86 Benzidine	184	16.154	16.153	0.001	96	4692	0.3648	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
85 Pyrene	202	16.322	16.322	0.0	97	795205	9.01	
89 Butyl benzyl phthalate	149	16.813	16.812	0.001	91	407409	8.86	
92 Bis(2-ethylhexyl) phthalate	149	17.419	17.413	0.006	90	608963	9.70	
91 3,3'-Dichlorobenzidine	252	17.558	17.557	0.001	61	166304	10.1	
93 Benzo[a]anthracene	228	17.679	17.673	0.006	100	682838	9.46	
94 Chrysene	228	17.731	17.731	0.0	97	653639	9.36	
95 Di-n-octyl phthalate	149	18.352	18.351	0.001	98	972048	9.50	
97 Benzo[b]fluoranthene	252	19.491	19.486	0.005	98	636483	8.96	
98 Benzo[k]fluoranthene	252	19.544	19.539	0.005	98	645487	9.41	
99 Benzo[a]pyrene	252	20.222	20.217	0.005	74	544278	9.51	
100 Indeno[1,2,3-cd]pyrene	276	23.348	23.338	0.010	93	491697	10.8	
101 Dibenz(a,h)anthracene	278	23.358	23.342	0.016	69	396887	10.2	
102 Benzo[g,h,i]perylene	276	24.315	24.299	0.016	95	404846	10.3	

QC Flag Legend

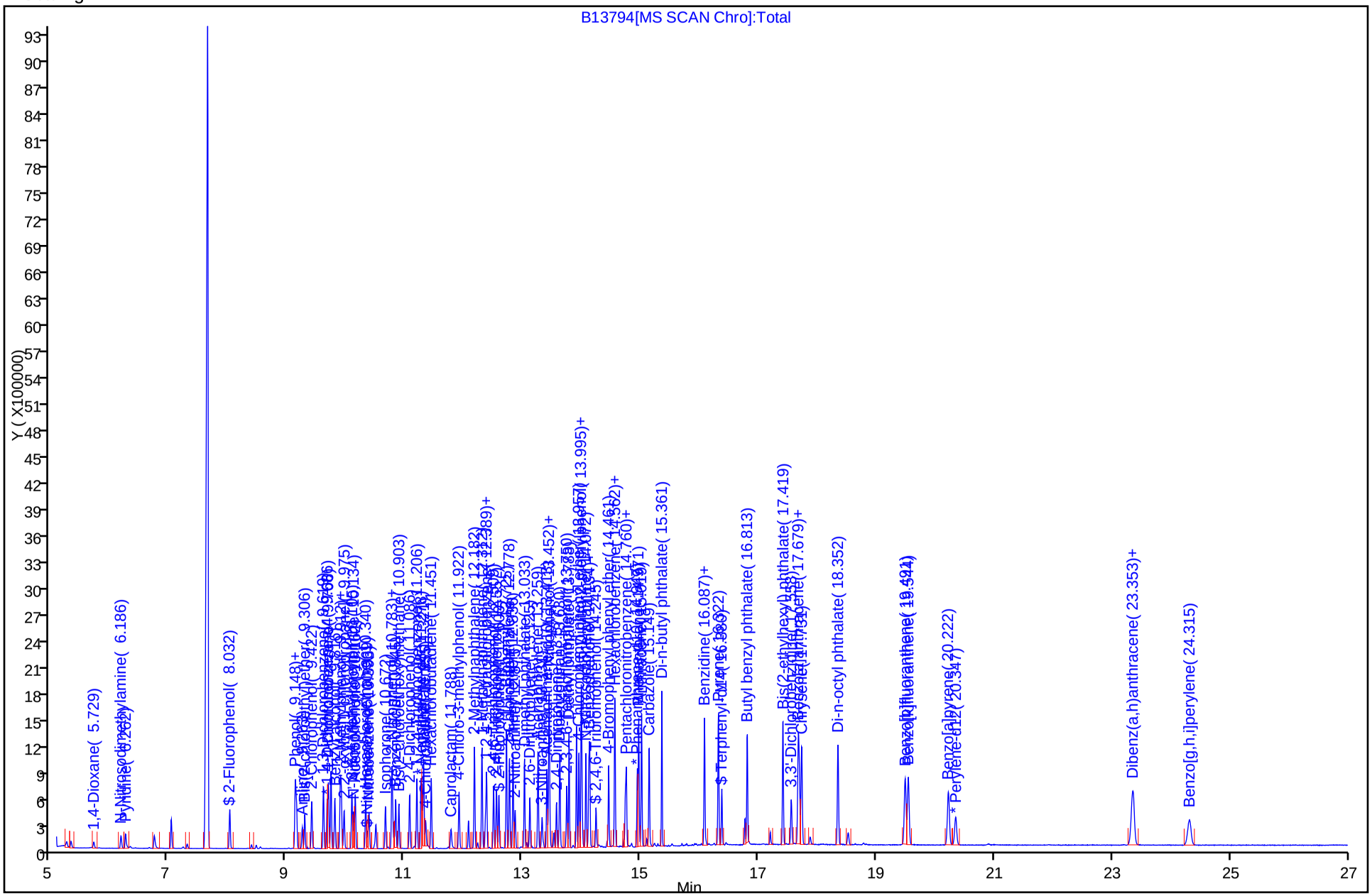
Review Flags
A - User Assigned ID

Report Date: 21-Dec-2010 14:49:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13794.D

Injection Date:	21-Dec-2010 02:01:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:49:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

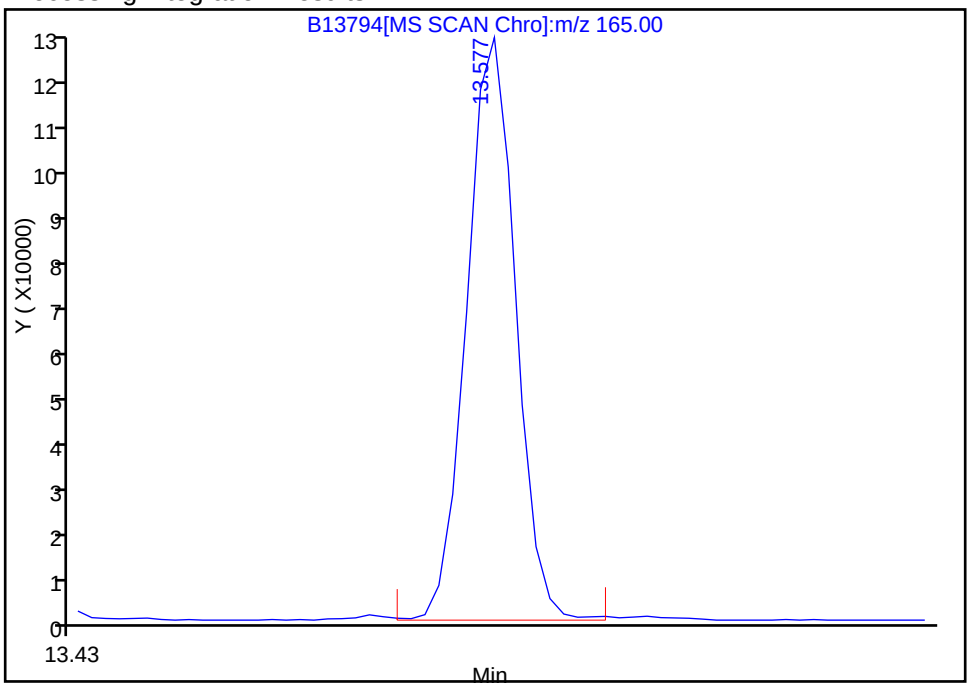
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13794.D		
Injection Date:	21-Dec-2010 02:01:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

57 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 13.58

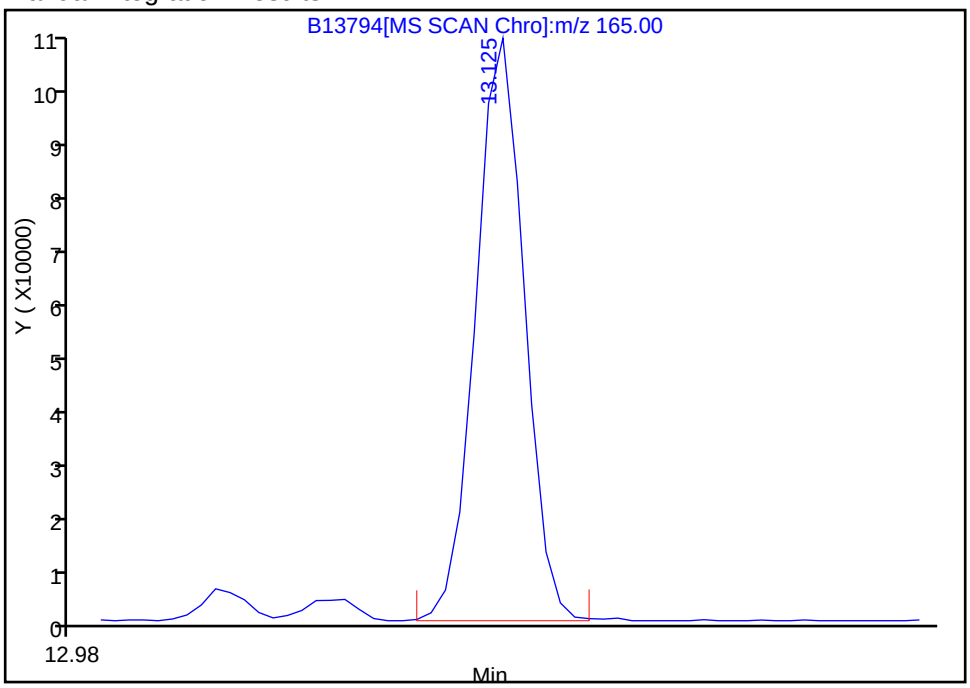
Processing Integration Results

RT: 13.58
Response: 151102
Amount: 11.365351



Manual Integration Results

RT: 13.12
Response: 123039
Amount: 9.254553



Reviewer: testerc, 21-Dec-2010 14:49:54
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67334/3-A

Matrix: Solid | Lab File ID: B13795.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 02:38

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	277		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	232		33	10
120-82-1	1,2,4-Trichlorobenzene	210		33	10
95-50-1	1,2-Dichlorobenzene	255		33	10
541-73-1	1,3-Dichlorobenzene	245		33	10
106-46-7	1,4-Dichlorobenzene	251		33	10
90-12-0	1-Methylnaphthalene	233		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	272		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	287		33	10
95-95-4	2,4,5-Trichlorophenol	312		33	10
88-06-2	2,4,6-Trichlorophenol	305		33	10
120-83-2	2,4-Dichlorophenol	248		33	10
105-67-9	2,4-Dimethylphenol	266		33	13
51-28-5	2,4-Dinitrophenol	190		33	10
121-14-2	2,4-Dinitrotoluene	295		33	10
606-20-2	2,6-Dinitrotoluene	315		33	10
91-58-7	2-Chloronaphthalene	224		33	10
95-57-8	2-Chlorophenol	273		33	10
91-57-6	2-Methylnaphthalene	243		33	10
95-48-7	2-Methylphenol	284		33	20
88-74-4	2-Nitroaniline	329		170	10
88-75-5	2-Nitrophenol	225		33	10
15831-10-4	3 & 4 Methylphenol	328		33	10
91-94-1	3,3'-Dichlorobenzidine	325		67	10
99-09-2	3-Nitroaniline	294		170	10
534-52-1	4,6-Dinitro-2-methylphenol	257		170	10
101-55-3	4-Bromophenyl phenyl ether	293		33	10
59-50-7	4-Chloro-3-methylphenol	281		67	10
106-47-8	4-Chloroaniline	171		67	10
7005-72-3	4-Chlorophenyl phenyl ether	299		33	10
100-01-6	4-Nitroaniline	337		170	10
100-02-7	4-Nitrophenol	270		170	10
83-32-9	Acenaphthene	297		33	10
208-96-8	Acenaphthylene	264		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67334/3-A

Matrix: Solid | Lab File ID: B13795.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 02:38

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	277		33	10
62-53-3	Aniline	158		33	10
120-12-7	Anthracene	309		33	10
1912-24-9	Atrazine	346		33	10
103-33-3	Azobenzene	292		33	10
100-52-7	Benzaldehyde	239		33	10
56-55-3	Benzo[a]anthracene	314		33	10
50-32-8	Benzo[a]pyrene	309		33	10
205-99-2	Benzo[b]fluoranthene	294		33	10
191-24-2	Benzo[g,h,i]perylene	326		33	10
207-08-9	Benzo[k]fluoranthene	292		33	10
65-85-0	Benzoic acid	152	J	170	15
119-61-9	Benzophenone	301		33	10
100-51-6	Benzyl alcohol	311		67	28
111-91-1	Bis(2-chloroethoxy)methane	233		33	10
111-44-4	Bis(2-chloroethyl)ether	258		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	346		33	10
85-68-7	Butyl benzyl phthalate	312		33	10
105-60-2	Caprolactam	264		33	10
86-74-8	Carbazole	335		33	10
218-01-9	Chrysene	313		33	10
53-70-3	Dibenz(a,h)anthracene	315		33	10
132-64-9	Dibenzofuran	282		33	10
84-66-2	Diethyl phthalate	321		33	10
131-11-3	Dimethyl phthalate	305		33	10
84-74-2	Di-n-butyl phthalate	340		33	29
117-84-0	Di-n-octyl phthalate	331		33	17
206-44-0	Fluoranthene	303		33	10
86-73-7	Fluorene	310		33	10
118-74-1	Hexachlorobenzene	293		33	10
87-68-3	Hexachlorobutadiene	221		33	10
77-47-4	Hexachlorocyclopentadiene	144		67	10
67-72-1	Hexachloroethane	237		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	335		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67334/3-A

Matrix: Solid | Lab File ID: B13795.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2010 02:38

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 67459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	189		33	10
91-20-3	Naphthalene	229		80	10
98-95-3	Nitrobenzene	228		33	10
621-64-7	N-Nitrosodi-n-propylamine	286		33	10
86-30-6	N-Nitrosodiphenylamine	290		33	10
87-86-5	Pentachlorophenol	287		33	10
85-01-8	Phenanthrene	294		40	10
108-95-2	Phenol	291		33	10
101-84-8	Diphenyl oxide	250		33	10
129-00-0	Pyrene	309		33	10
62-75-9	N-Nitrosodimethylamine	258		33	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	80		30-130
321-60-8	2-Fluorobiphenyl	73		30-130
367-12-4	2-Fluorophenol	72		30-130
4165-60-0	Nitrobenzene-d5	76		30-130
4165-62-2	Phenol-d5	78		30-130
1718-51-0	Terphenyl-d14	78		30-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13795.D
Lims ID: LCSD 360-67334/3-A Client ID:
Inject. Date: 21-Dec-2010 02:38:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 360-67334/3-A
Misc. Info.:
Operator: CT Instrument ID: Inst. B
Vol. Injected: 2.0000 ALS Bottle#: 22
Lims Batch ID: 67459 Lims Sample ID: 20
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\8270B.m
Last Update: 21-Dec-2010 14:31:11 Calib Date: 20-Dec-2010 20:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13785.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 21-Dec-2010 14:51:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	9.685	9.676	0.009	91	128300	4.00	
* 2 Naphthalene-d8	136	11.291	11.292	-0.001	99	552542	4.00	
* 3 Acenaphthene-d10	164	13.412	13.412	0.0	92	277633	4.00	
* 4 Phenanthrene-d10	188	14.946	14.946	0.0	95	438738	4.00	
* 5 Chrysene-d12	240	17.697	17.692	0.005	97	390741	4.00	
* 6 Perylene-d12	264	20.346	20.347	0.0	94	288866	4.00	
$ 7 2-Fluorophenol	112	8.036	8.002	0.034	83	211397	7.16	
$ 8 Phenol-d5	99	9.151	9.137	0.014	87	221835	7.76	
$ 9 Nitrobenzene-d5	82	10.368	10.368	0.0	81	108940	3.80	
$ 10 2-Fluorobiphenyl	172	12.599	12.600	-0.001	99	268121	3.64	
$ 11 2,4,6-Tribromophenol	330	14.249	14.244	0.005	88	58788	8.00	
$ 12 Terphenyl-d14	244	16.379	16.379	0.0	98	231575	3.88	
14 1,4-Dioxane	88	5.737	5.737	0.105	0	50601	4.72	A
15 N-Nitrosodimethylamine	42	6.194	6.122	0.072	96	71335	7.73	
16 Pyridine	52	6.271	6.194	0.077	94	60399	6.35	
17 Benzaldehyde	105	9.142	9.132	0.010	61	137820	7.16	
18 Phenol	94	9.166	9.152	0.014	96	242020	8.73	
19 Aniline	93	9.262	9.253	0.009	99	140965	4.75	
20 Bis(2-chloroethyl)ether	93	9.305	9.296	0.009	99	203171	7.74	
21 2-Chlorophenol	128	9.426	9.411	0.015	89	251363	8.20	
23 1,3-Dichlorobenzene	146	9.623	9.613	0.010	97	279680	7.35	
22 1,4-Dichlorobenzene	146	9.704	9.700	0.004	97	284743	7.53	
24 Benzyl alcohol	79	9.815	9.810	0.005	97	150493	9.32	
25 1,2-Dichlorobenzene	146	9.906	9.902	0.004	99	278896	7.65	
26 2-Methylphenol	108	9.926	9.921	0.005	93	200722	8.52	
27 2,2'-oxybis[1-chloropropane]	45	9.974	9.969	0.005	51	185254	8.16	
28 3 & 4 Methylphenol	107	10.104	10.099	0.005	92	254517	9.84	
29 N-Nitrosodi-n-propylamine	42	10.132	10.128	0.004	78	69643	8.57	
30 Acetophenone	105	10.161	10.157	0.004	90	282004	8.30	
31 Hexachloroethane	117	10.339	10.335	0.004	90	94905	7.10	
32 Nitrobenzene	77	10.397	10.392	0.005	77	174196	6.83	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
33 Isophorone	82	10.671	10.671	0.0	97	291031	5.68	
35 2,4-Dimethylphenol	107	10.782	10.777	0.005	89	222954	7.99	
34 2-Nitrophenol	139	10.796	10.796	0.0	84	129522	6.76	
36 Benzoic acid	105	10.825	10.820	0.005	85	40625	4.57	
37 Bis(2-chloroethoxy)methane	93	10.902	10.902	0.0	95	235898	7.00	
38 2,4-Dichlorophenol	162	11.085	11.080	0.005	86	201235	7.44	
39 1,2,4-Trichlorobenzene	180	11.205	11.205	0.0	93	222591	6.30	
41 Naphthalene	128	11.320	11.320	0.0	98	724932	6.87	
42 4-Chloroaniline	127	11.359	11.359	0.0	78	150631	5.14	
43 Hexachlorobutadiene	225	11.450	11.450	0.0	98	122564	6.63	
44 Caprolactam	55	11.787	11.777	0.010	74	56905	7.91	
45 4-Chloro-3-methylphenol	107	11.921	11.921	0.0	90	186067	8.43	
46 2-Methylnaphthalene	142	12.186	12.181	0.005	90	480363	7.29	
47 1-Methylnaphthalene	142	12.311	12.311	0.0	92	482870	6.98	
48 Hexachlorocyclopentadiene	237	12.369	12.369	0.0	79	57913	4.31	
49 1,2,4,5-Tetrachlorobenzene	216	12.388	12.388	0.0	96	208422	6.95	
50 2,4,6-Trichlorophenol	196	12.508	12.508	0.0	88	150696	9.14	
51 2,4,5-Trichlorophenol	196	12.556	12.556	0.0	95	153024	9.36	
52 1,1'-Biphenyl	154	12.724	12.725	-0.001	92	613915	8.30	
53 2-Chloronaphthalene	162	12.777	12.777	0.0	94	449909	6.71	
54 Phenyl ether	170	12.840	12.840	0.0	88	342062	7.50	
55 2-Nitroaniline	138	12.873	12.874	-0.001	79	141093	9.87	
56 Dimethyl phthalate	163	13.032	13.032	0.0	99	604461	9.15	
58 Acenaphthylene	152	13.263	13.263	0.0	97	714754	7.92	
59 3-Nitroaniline	138	13.330	13.330	0.0	90	86541	8.81	
60 2,4-Dinitrophenol	184	13.441	13.441	0.0	51	31710	5.69	
61 Acenaphthene	153	13.451	13.451	0.0	94	562634	8.90	
62 4-Nitrophenol	139	13.460	13.455	0.005	43	90112	8.11	
63 2,4-Dinitrotoluene	165	13.576	13.576	0.0	91	157215	8.86	
57 2,6-Dinitrotoluene	165	13.124	13.124	-0.452	0	133508	9.44	A
64 Dibenzofuran	168	13.633	13.633	0.0	95	632218	8.47	
65 2,3,4,6-Tetrachlorophenol	232	13.749	13.701	0.048	0	110252	8.61	
66 Diethyl phthalate	149	13.787	13.787	0.0	98	650949	9.64	
67 4-Chlorophenyl phenyl ether	204	13.955	13.956	-0.001	76	258631	8.96	
68 4-Nitroaniline	138	13.994	13.994	0.0	38	105123	10.1	
69 Fluorene	166	13.999	13.999	0.0	82	591230	9.30	
70 4,6-Dinitro-2-methylphenol	198	14.013	14.009	0.005	91	74018	7.70	
72 N-Nitrosodiphenylamine	169	14.076	14.076	0.0	50	381297	8.71	
73 1,2-Diphenylhydrazine	77	14.124	14.124	0.0	1	600400	8.76	
74 Azobenzene	77	14.124	14.124	0.0	91	600400	8.77	
13 Benzophenone	105	14.138	14.138	0.0	91	486151	9.03	
75 4-Bromophenyl phenyl ether	248	14.460	14.461	-0.001	56	140083	8.79	
77 Atrazine	200	14.561	14.562	-0.001	76	158569	10.4	
76 Hexachlorobenzene	284	14.571	14.566	0.005	93	151332	8.79	
78 Pentachlorophenol	266	14.744	14.744	0.0	89	81931	8.60	
79 Pentachloronitrobenzene	237	14.759	14.759	0.0	83	67755	9.74	
80 Phenanthrene	178	14.970	14.970	0.0	98	745306	8.83	
81 Anthracene	178	15.018	15.018	0.0	97	751320	9.27	
83 Carbazole	167	15.148	15.148	0.0	81	620442	10.1	
84 Di-n-butyl phthalate	149	15.364	15.365	-0.001	99	1120294	10.2	
87 Fluoranthene	202	16.086	16.086	0.0	98	776598	9.10	
86 Benzidine	184	16.153	16.153	0.0	96	5219	0.3882	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
85 Pyrene	202	16.321	16.322	-0.001	98	852755	9.26	
89 Butyl benzyl phthalate	149	16.812	16.812	0.0	92	449651	9.37	
92 Bis(2-ethylhexyl) phthalate	149	17.418	17.413	0.005	91	679362	10.4	
91 3,3'-Dichlorobenzidine	252	17.557	17.557	0.0	59	167824	9.76	
93 Benzo[a]anthracene	228	17.677	17.673	0.004	100	710442	9.43	
94 Chrysene	228	17.735	17.731	0.004	97	684497	9.39	
95 Di-n-octyl phthalate	149	18.351	18.351	0.0	98	1085831	9.92	
97 Benzo[b]fluoranthene	252	19.490	19.486	0.004	98	660571	8.82	
98 Benzo[k]fluoranthene	252	19.543	19.539	0.004	98	633334	8.75	
99 Benzo[a]pyrene	252	20.226	20.217	0.009	74	558982	9.26	
100 Indeno[1,2,3-cd]pyrene	276	23.352	23.338	0.014	93	485032	10.1	
101 Dibenz(a,h)anthracene	278	23.352	23.342	0.010	68	389163	9.46	
102 Benzo[g,h,i]perylene	276	24.309	24.299	0.010	95	405279	9.77	

QC Flag Legend

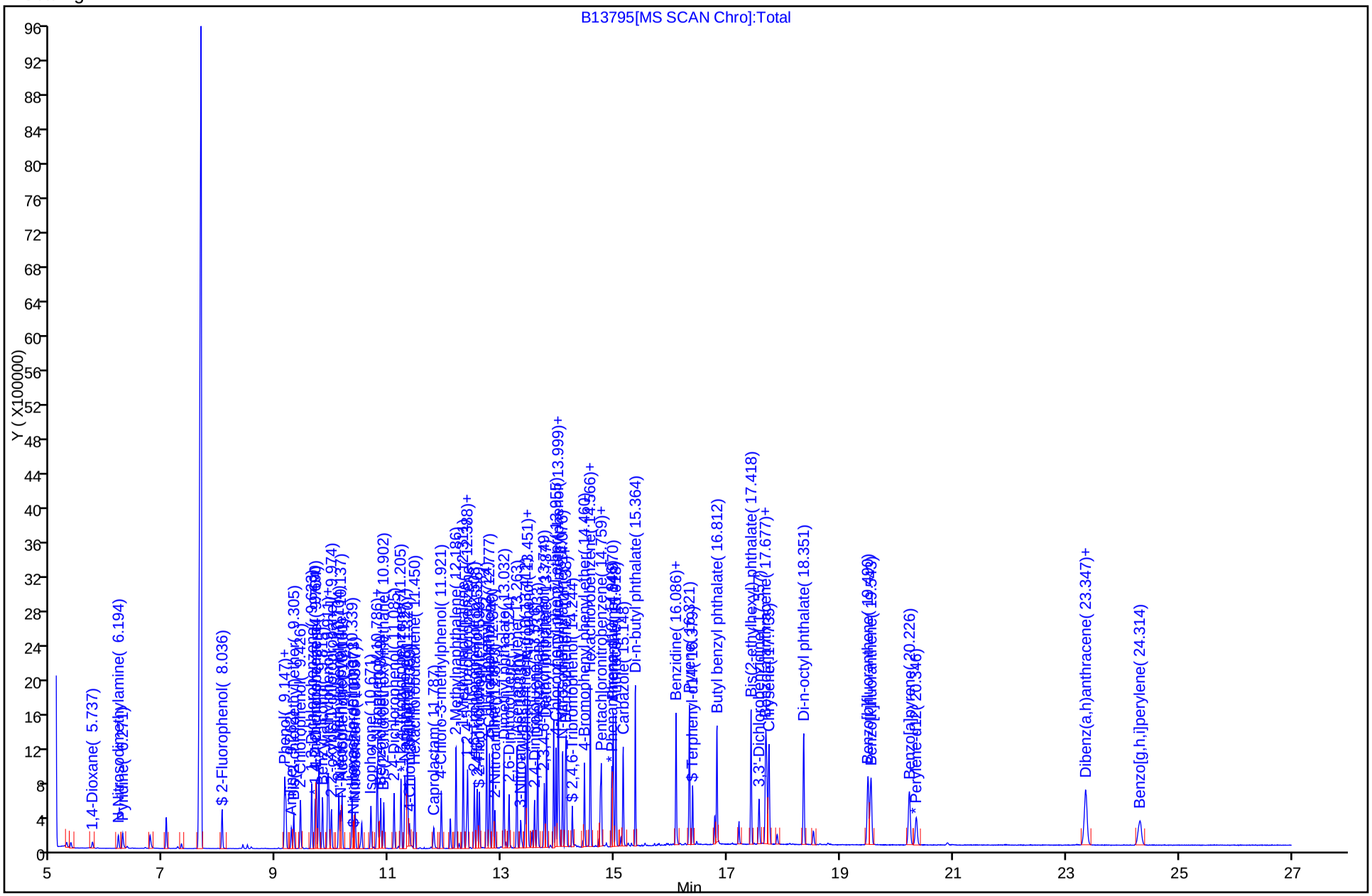
Review Flags
A - User Assigned ID

Report Date: 21-Dec-2010 14:51:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13795.D

Injection Date:	21-Dec-2010 02:38:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	20
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



Report Date: 21-Dec-2010 14:51:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

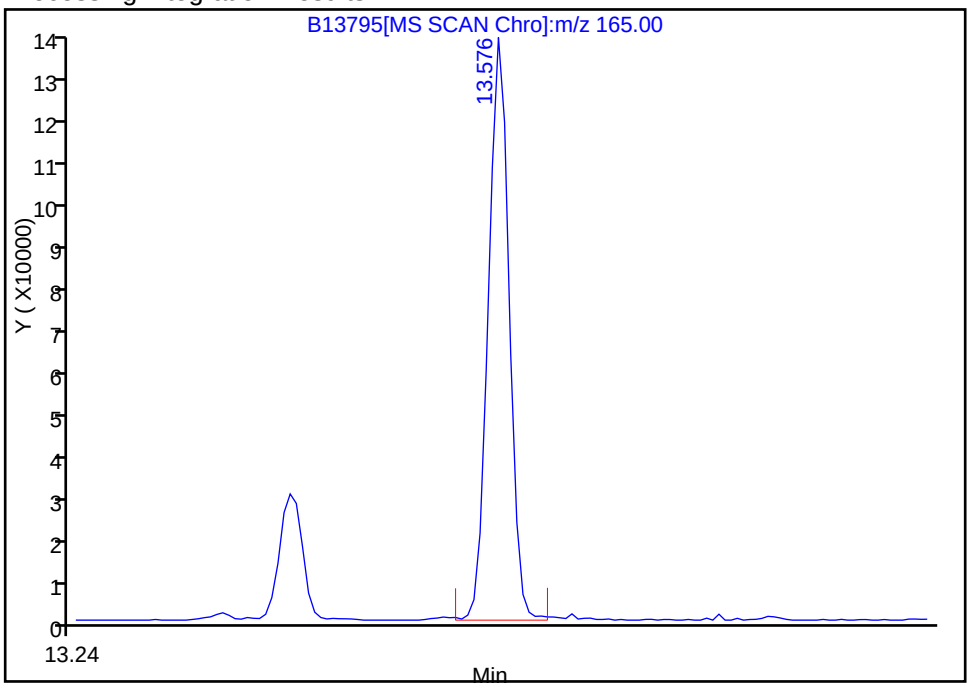
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20101221-4407.b\B13795.D		
Injection Date:	21-Dec-2010 02:38:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:		Instrument ID:	Inst. B
Lims Batch ID:	67459	Lims Sample ID:	20
Operator ID:	CT	Injection Vol:	2.00 ul

57 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 13.58

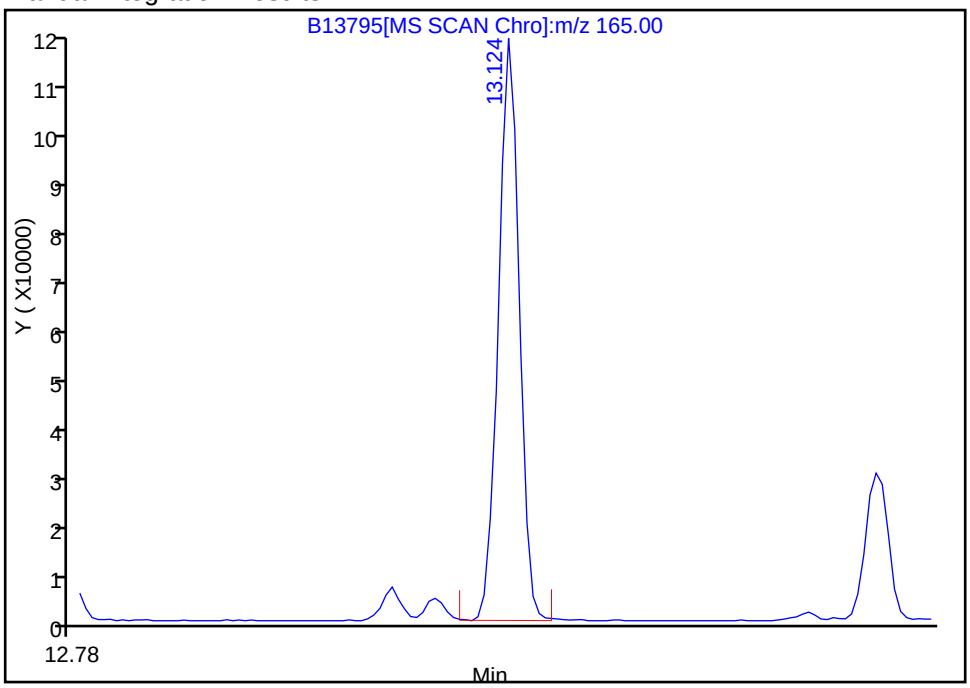
Processing Integration Results

RT: 13.58
Response: 157215
Amount: 11.112402



Manual Integration Results

RT: 13.12
Response: 133508
Amount: 9.436724



Reviewer: testerc, 21-Dec-2010 14:51:42
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: J2086.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.46(g) | Date Analyzed: 12/21/2010 21:45

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	371		54	16
95-94-3	1,2,4,5-Tetrachlorobenzene	280		54	16
120-82-1	1,2,4-Trichlorobenzene	258		54	16
95-50-1	1,2-Dichlorobenzene	342		54	16
541-73-1	1,3-Dichlorobenzene	357		54	16
106-46-7	1,4-Dichlorobenzene	345		54	16
90-12-0	1-Methylnaphthalene	265		54	16
62-75-9	N-Nitrosodimethylamine	ND		54	19
108-60-1	2,2'-oxybis[1-chloropropane]	363		54	16
58-90-2	2,3,4,6-Tetrachlorophenol	395		54	16
95-95-4	2,4,5-Trichlorophenol	429		54	16
88-06-2	2,4,6-Trichlorophenol	499		54	16
120-83-2	2,4-Dichlorophenol	301		54	16
105-67-9	2,4-Dimethylphenol	323		54	21
51-28-5	2,4-Dinitrophenol	ND		54	16
121-14-2	2,4-Dinitrotoluene	275		54	16
606-20-2	2,6-Dinitrotoluene	280		54	16
91-58-7	2-Chloronaphthalene	284		54	16
95-57-8	2-Chlorophenol	394		54	16
91-57-6	2-Methylnaphthalene	274		54	16
95-48-7	2-Methylphenol	402		54	33
88-74-4	2-Nitroaniline	433		270	16
88-75-5	2-Nitrophenol	182		54	16
15831-10-4	3 & 4 Methylphenol	4940		54	16
91-94-1	3,3'-Dichlorobenzidine	51.4	J	110	16
99-09-2	3-Nitroaniline	23.6	J	270	16
534-52-1	4,6-Dinitro-2-methylphenol	50.9	J	270	16
101-55-3	4-Bromophenyl phenyl ether	408		54	16
59-50-7	4-Chloro-3-methylphenol	341		110	16
106-47-8	4-Chloroaniline	59.9	J	110	16
7005-72-3	4-Chlorophenyl phenyl ether	381		54	16
100-01-6	4-Nitroaniline	37.7	J	270	16
100-02-7	4-Nitrophenol	384		270	16
83-32-9	Acenaphthene	405		54	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: J2086.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.46(g) | Date Analyzed: 12/21/2010 21:45

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	321		54	16
98-86-2	Acetophenone	544		54	16
62-53-3	Aniline	148		54	16
120-12-7	Anthracene	347		54	16
1912-24-9	Atrazine	366		54	16
103-33-3	Azobenzene	349		54	16
100-52-7	Benzaldehyde	1090		54	16
56-55-3	Benzo[a]anthracene	402		54	16
50-32-8	Benzo[a]pyrene	514		54	16
205-99-2	Benzo[b]fluoranthene	415		54	16
191-24-2	Benzo[g,h,i]perylene	391		54	16
207-08-9	Benzo[k]fluoranthene	417		54	16
65-85-0	Benzoic acid	396		270	25
119-61-9	Benzophenone	392		54	16
100-51-6	Benzyl alcohol	501		110	46
111-91-1	Bis(2-chloroethoxy)methane	291		54	16
111-44-4	Bis(2-chloroethyl)ether	409		54	16
117-81-7	Bis(2-ethylhexyl) phthalate	3550		54	16
85-68-7	Butyl benzyl phthalate	381		54	16
105-60-2	Caprolactam	68.0		54	16
86-74-8	Carbazole	358		54	16
218-01-9	Chrysene	434		54	16
53-70-3	Dibenz(a,h)anthracene	402		54	16
132-64-9	Dibenzofuran	340		54	16
84-66-2	Diethyl phthalate	421		54	16
131-11-3	Dimethyl phthalate	432		54	16
84-74-2	Di-n-butyl phthalate	341		54	48
117-84-0	Di-n-octyl phthalate	399		54	27
206-44-0	Fluoranthene	465		54	16
86-73-7	Fluorene	388		54	16
118-74-1	Hexachlorobenzene	403		54	16
87-68-3	Hexachlorobutadiene	281		54	16
77-47-4	Hexachlorocyclopentadiene	ND		110	16
67-72-1	Hexachloroethane	208		54	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: J2086.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.46(g) | Date Analyzed: 12/21/2010 21:45

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	394		54	16
78-59-1	Isophorone	232		54	16
91-20-3	Naphthalene	266		130	16
98-95-3	Nitrobenzene	231		54	16
621-64-7	N-Nitrosodi-n-propylamine	484		54	16
86-30-6	N-Nitrosodiphenylamine	779		54	16
87-86-5	Pentachlorophenol	436		54	16
85-01-8	Phenanthrene	448		65	16
108-95-2	Phenol	2220		54	16
101-84-8	Diphenyl oxide	434		54	16
129-00-0	Pyrene	546		54	16
62-75-9	N-Nitrosodimethylamine	ND		54	19
122-39-4	Diphenylamine	666		54	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	63		30-130
4165-62-2	Phenol-d5	64		30-130
4165-60-0	Nitrobenzene-d5	38		30-130
118-79-6	2,4,6-Tribromophenol	77		30-130
1718-51-0	Terphenyl-d14	40		30-130
321-60-8	2-Fluorobiphenyl	56		30-130
118-79-6	2,4,6-Tribromophenol	77		30-130
321-60-8	2-Fluorobiphenyl	56		30-130
367-12-4	2-Fluorophenol	63		30-130
4165-60-0	Nitrobenzene-d5	38		30-130
4165-62-2	Phenol-d5	64		30-130
1718-51-0	Terphenyl-d14	40		30-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2086.D
Lims ID: 360-31465-A-13-N MS
Client ID: OC-SD-SD-SD2-XMS
Inject. Date: 21-Dec-2010 21:45:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 360-31465-A-13-N MS
Misc. Info.:
Operator: CT
Instrument ID: Inst. J
Vol. Injected: 2.0000
ALS Bottle#: 16
Lims Batch ID: 67510
Lims Sample ID: 18
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15
Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE
ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc
Date: 22-Dec-2010 14:49:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.931	7.932	-0.001	93	84187	4.00	
* 2 Naphthalene-d8	136	9.263	9.259	0.004	99	448232	4.00	
* 3 Acenaphthene-d10	164	11.042	11.043	-0.001	92	178240	4.00	
* 4 Phenanthrene-d10	188	12.547	12.539	0.008	95	301868	4.00	
* 5 Chrysene-d12	240	15.149	15.140	0.009	77	143329	4.00	
* 6 Perylene-d12	264	16.380	16.362	0.018	81	52302	4.00	
$ 7 2-Fluorophenol	112	6.502	6.456	0.046	86	116545	6.31	
$ 8 Phenol-d5	99	7.527	7.514	0.013	56	131411	6.37	
$ 9 Nitrobenzene-d5	82	8.513	8.509	0.004	88	43576	1.92	
$ 10 2-Fluorobiphenyl	172	10.335	10.336	-0.001	99	129106	2.82	
$ 11 2,4,6-Tribromophenol	330	11.840	11.832	0.008	91	29378	7.73	
$ 12 Terphenyl-d14	244	14.100	14.092	0.008	97	51111	2.01	
16 Benzaldehyde	105	7.464	7.461	0.003	41	263059	20.0	
17 Phenol	94	7.546	7.528	0.018	98	800650	40.8	5
18 Aniline	93	7.575	7.576	-0.001	25	63376	2.72	
19 Bis(2-chloroethyl)ether	93	7.633	7.634	-0.001	100	119983	7.51	
20 2-Chlorophenol	128	7.714	7.711	0.003	90	157415	7.23	
21 1,3-Dichlorobenzene	146	7.873	7.874	-0.001	98	160055	6.54	
22 1,4-Dichlorobenzene	146	7.950	7.951	-0.001	97	159282	6.33	
23 Benzyl alcohol	79	8.070	8.062	0.008	95	111368	9.20	
24 1,2-Dichlorobenzene	146	8.113	8.115	-0.002	100	146283	6.28	
25 2-Methylphenol	108	8.181	8.168	0.013	96	116050	7.38	
26 2,2'-oxybis[1-chloropropane]	45	8.200	8.201	-0.001	88	149012	6.66	
27 3 & 4 Methylphenol	107	8.344	8.326	0.018	97	1650266	90.6	5
28 N-Nitrosodi-n-propylamine	42	8.344	8.336	0.008	31	76839	8.89	
29 Acetophenone	105	8.349	8.345	0.004	48	244504	9.98	
30 Hexachloroethane	117	8.469	8.475	-0.006	95	33791	3.82	
31 Nitrobenzene	77	8.532	8.533	-0.001	87	89298	4.24	
32 Isophorone	82	8.772	8.764	0.008	93	160890	4.26	
35 2-Nitrophenol	139	8.859	8.860	-0.001	90	49079	3.34	
33 2,4-Dimethylphenol	107	8.883	8.874	0.009	90	139699	5.92	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
34 Benzoic acid	105	9.003	8.927	0.076	67	28157	7.26	
36 Bis(2-chloroethoxy)methane	93	8.969	8.971	-0.002	98	134482	5.35	
37 2,4-Dichlorophenol	162	9.109	9.100	0.009	89	120565	5.52	
38 1,2,4-Trichlorobenzene	180	9.195	9.197	-0.002	95	124119	4.73	
40 Naphthalene	128	9.282	9.283	-0.001	98	425536	4.88	
41 4-Chloroaniline	127	9.320	9.317	0.003	80	37263	1.10	
42 Hexachlorobutadiene	225	9.397	9.399	-0.002	97	66171	5.16	
39 Alpha-Terpineol	59	9.647	9.570	0.077	31	997	0	
43 Caprolactam	55	9.590	9.653	-0.063	58	8281	1.25	
44 4-Chloro-3-methylphenol	107	9.796	9.783	0.013	93	128827	6.26	
45 2-Methylnaphthalene	142	9.979	9.980	-0.001	90	275606	5.03	
46 1-Methylnaphthalene	142	10.085	10.081	0.004	92	266146	4.86	
48 1,2,4,5-Tetrachlorobenzene	216	10.152	10.154	-0.002	98	113678	5.13	
49 2,4,6-Trichlorophenol	196	10.263	10.255	0.008	69	93710	9.16	
50 2,4,5-Trichlorophenol	196	10.306	10.293	0.013	95	81116	7.87	
51 1,1'-Biphenyl	154	10.446	10.442	0.004	92	346303	6.81	
52 2-Chloronaphthalene	162	10.479	10.476	0.003	98	240688	5.20	
53 Phenyl ether	170	10.542	10.538	0.004	90	278943	7.97	
54 2-Nitroaniline	138	10.571	10.562	0.009	93	99449	7.95	
56 Dimethyl phthalate	163	10.725	10.721	0.004	99	347791	7.93	
57 2,6-Dinitrotoluene	165	10.797	10.793	0.004	86	52245	5.13	
58 Acenaphthylene	152	10.903	10.904	-0.002	97	369106	5.88	
59 3-Nitroaniline	138	10.955	10.971	-0.016	76	4403	0.4323	
62 Acenaphthene	153	11.076	11.077	-0.001	92	297129	7.44	
60 4-Nitrophenol	139	11.133	11.101	0.032	79	50532	7.05	
63 2,4-Dinitrotoluene	165	11.205	11.202	0.003	90	64521	5.04	
64 Dibenzofuran	168	11.249	11.245	0.004	93	329351	6.24	
65 2,3,4,6-Tetrachlorophenol	232	11.369	11.317	0.052	0	56926	7.25	
66 Diethyl phthalate	149	11.422	11.418	0.004	98	361857	7.72	
67 4-Chlorophenyl phenyl ether	204	11.566	11.563	0.003	92	139495	7.00	
68 4-Nitroaniline	138	11.571	11.587	-0.016	32	6394	0.6919	
70 Fluorene	166	11.595	11.591	0.004	82	307445	7.12	
69 4,6-Dinitro-2-methylphenol	198	11.624	11.615	0.009	1	1383	0.9333	
75 N-Nitrosodiphenylamine	169	11.686	11.678	0.008	52	435375	14.3	
71 Diphenylamine	169	11.686	11.678	0.008	0	435375	12.2	
73 1,2-Diphenylhydrazine	77	11.730	11.726	0.004	1	311119	6.41	
72 Azobenzene	77	11.730	11.726	0.004	88	311119	6.41	
74 Benzophenone	105	11.744	11.736	0.008	92	279147	7.19	
76 4-Bromophenyl phenyl ether	248	12.066	12.058	0.008	56	73533	7.48	
78 Hexachlorobenzene	284	12.162	12.154	0.008	84	70528	7.39	
77 Atrazine	200	12.206	12.183	0.023	7	71952	6.72	
79 Pentachlorophenol	266	12.350	12.337	0.013	85	37733	7.99	
80 Pentachloronitrobenzene	237	12.364	12.356	0.008	78	28802	6.18	
81 Phenanthrene	178	12.571	12.563	0.008	97	485862	8.23	
82 Anthracene	178	12.624	12.616	0.008	97	362669	6.37	
83 Carbazole	167	12.768	12.760	0.008	82	304088	6.56	
84 Di-n-butyl phthalate	149	13.052	13.044	0.008	100	469301	6.26	
86 Fluoranthene	202	13.769	13.760	0.009	97	450898	8.54	
87 Benzidine	184	13.865	13.852	0.013	24	160	0.0107	
88 Pyrene	202	13.999	13.991	0.008	98	424999	10.0	
85 4,4'-DDD	235	14.341	14.352	-0.011	2	144	0	
90 Butyl benzyl phthalate	149	14.528	14.520	0.008	91	152317	6.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
89 4,4'-DDT	235	14.653	14.644	0.009	4	160	0	
91 Bis(2-ethylhexyl) phthalate	149	15.043	15.030	0.013	93	1766534	65.2	5
92 3,3'-Dichlorobenzidine	252	15.091	15.068	0.023	48	6588	0.9441	
93 Benzo[a]anthracene	228	15.139	15.126	0.013	98	212815	7.38	
94 Chrysene	228	15.178	15.164	0.014	97	211856	7.97	
95 Di-n-octyl phthalate	149	15.572	15.563	0.009	99	239725	7.33	
97 Benzo[b]fluoranthene	252	16.009	15.996	0.013	94	111984	7.62	
98 Benzo[k]fluoranthene	252	16.034	16.020	0.014	96	101878	7.65	
99 Benzo[a]pyrene	252	16.322	16.309	0.013	43	99092	9.43	A
102 Indeno[1,2,3-cd]pyrene	276	17.688	17.665	0.023	93	58146	7.22	
100 Dibenz(a,h)anthracene	278	17.688	17.670	0.018	64	47759	7.37	
101 Benzo[g,h,i]perylene	276	18.101	18.074	0.027	95	46487	7.17	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

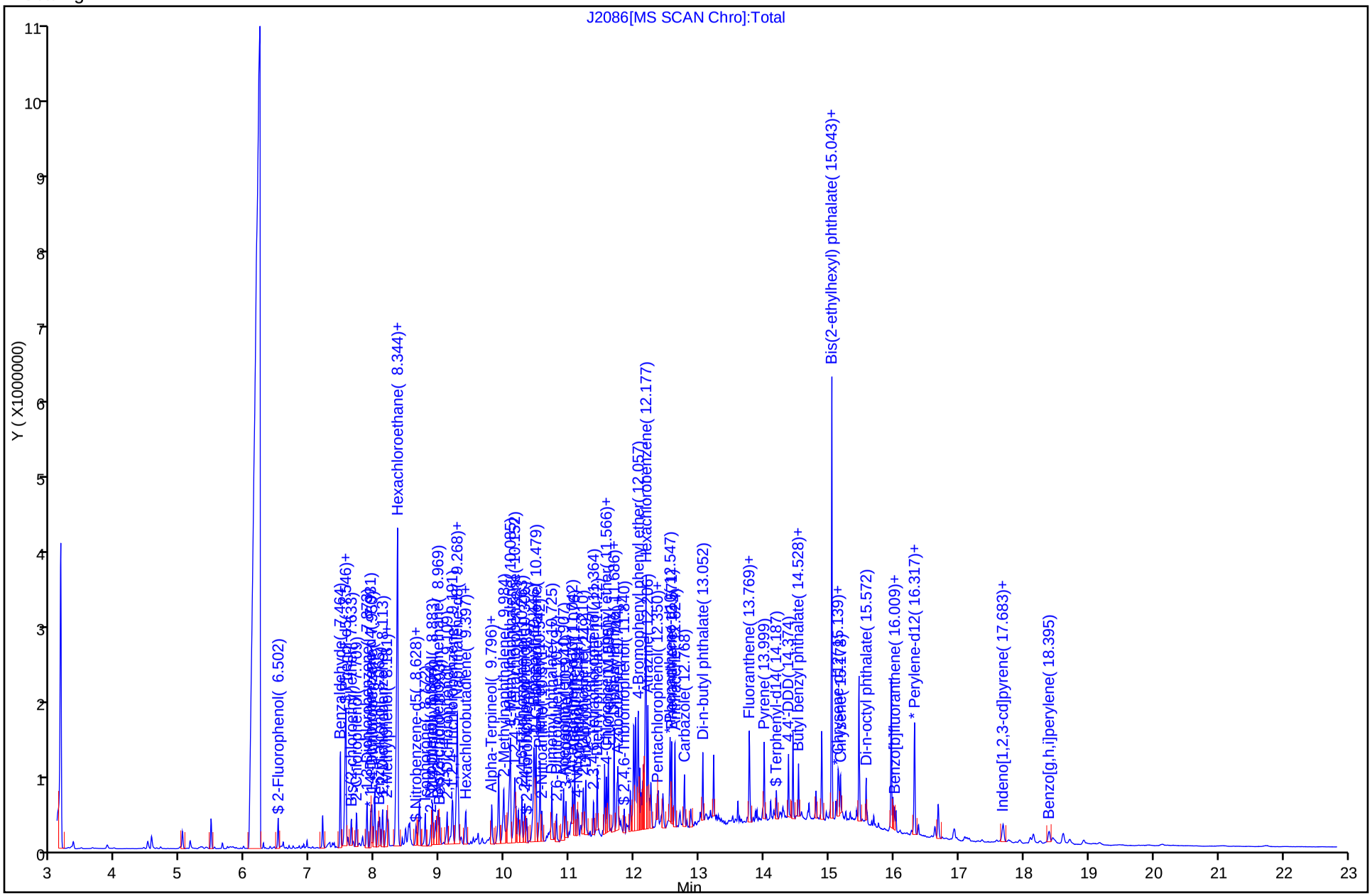
Review Flags
A - User Assigned ID

Report Date: 22-Dec-2010 14:49:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2086.D

Injection Date:	21-Dec-2010 21:45:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



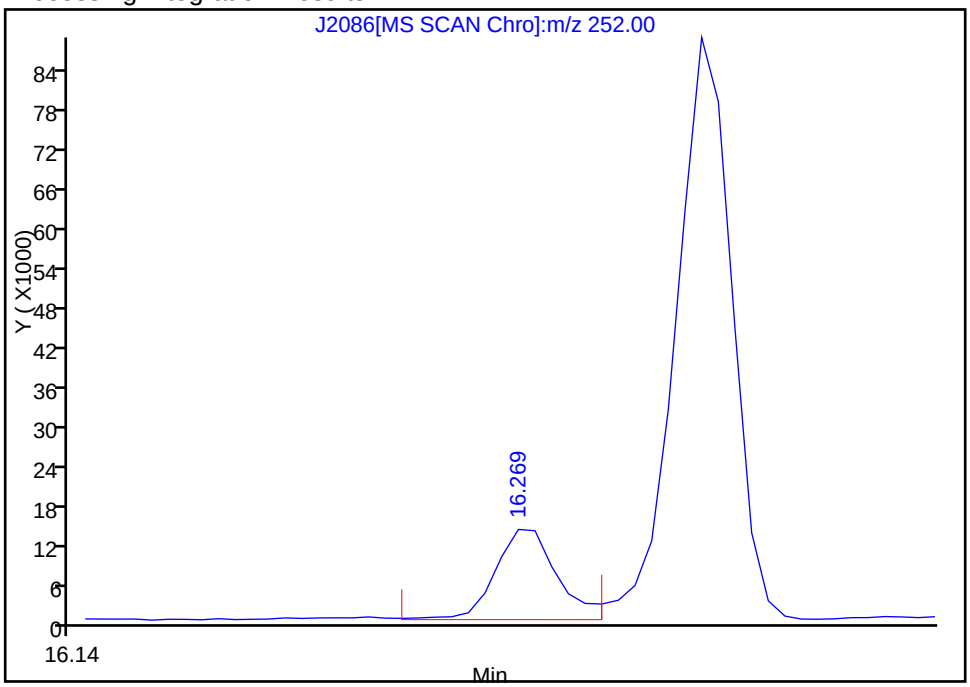
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2086.D		
Injection Date:	21-Dec-2010 21:45:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	18
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.31

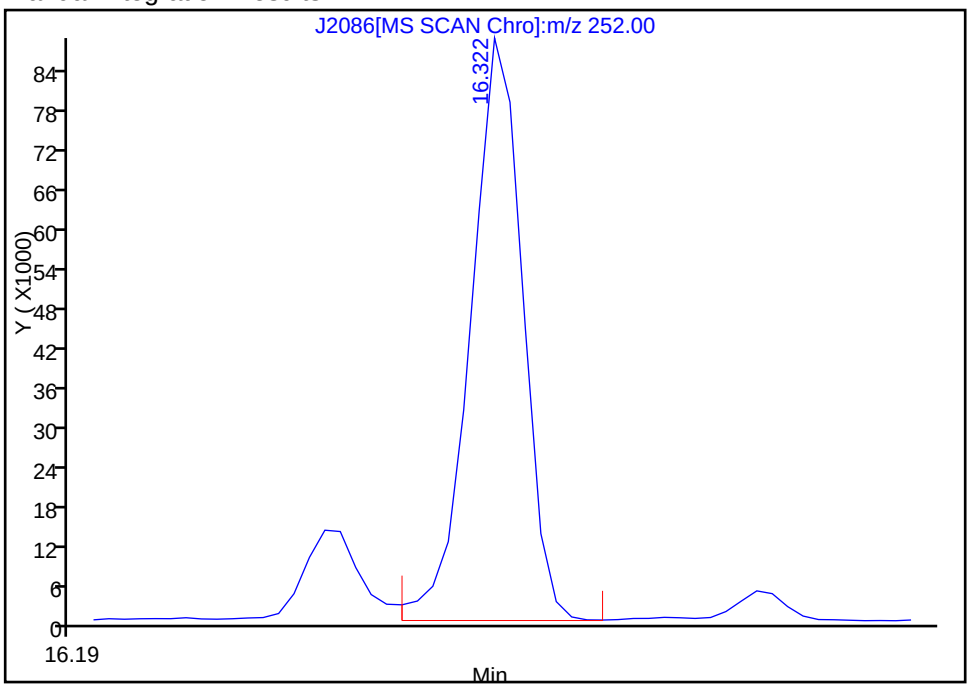
Processing Integration Results

RT: 16.27
Response: 17242
Amount: 1.640883



Manual Integration Results

RT: 16.32
Response: 99092
Amount: 9.430365



Reviewer: testerc, 22-Dec-2010 12:34:19
Audit Action: Assigned Compound ID
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: J2087.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 22:17

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	354		55	16
95-94-3	1,2,4,5-Tetrachlorobenzene	283		55	16
120-82-1	1,2,4-Trichlorobenzene	258		55	16
95-50-1	1,2-Dichlorobenzene	341		55	16
541-73-1	1,3-Dichlorobenzene	371		55	16
106-46-7	1,4-Dichlorobenzene	352		55	16
90-12-0	1-Methylnaphthalene	260		55	16
62-75-9	N-Nitrosodimethylamine	ND		55	19
108-60-1	2,2'-oxybis[1-chloropropane]	334		55	16
58-90-2	2,3,4,6-Tetrachlorophenol	386		55	16
95-95-4	2,4,5-Trichlorophenol	400		55	16
88-06-2	2,4,6-Trichlorophenol	447		55	16
120-83-2	2,4-Dichlorophenol	285		55	16
105-67-9	2,4-Dimethylphenol	307		55	21
51-28-5	2,4-Dinitrophenol	ND		55	16
121-14-2	2,4-Dinitrotoluene	189		55	16
606-20-2	2,6-Dinitrotoluene	201		55	16
91-58-7	2-Chloronaphthalene	264		55	16
95-57-8	2-Chlorophenol	365		55	16
91-57-6	2-Methylnaphthalene	268		55	16
95-48-7	2-Methylphenol	367		55	33
88-74-4	2-Nitroaniline	357		270	16
88-75-5	2-Nitrophenol	152		55	16
15831-10-4	3 & 4 Methylphenol	3830		55	16
91-94-1	3,3'-Dichlorobenzidine	59.8	J	110	16
99-09-2	3-Nitroaniline	98.5	J	270	16
534-52-1	4,6-Dinitro-2-methylphenol	51.6	J	270	16
101-55-3	4-Bromophenyl phenyl ether	387		55	16
59-50-7	4-Chloro-3-methylphenol	313		110	16
106-47-8	4-Chloroaniline	61.0	J	110	16
7005-72-3	4-Chlorophenyl phenyl ether	354		55	16
100-01-6	4-Nitroaniline	206	J	270	16
100-02-7	4-Nitrophenol	329		270	16
83-32-9	Acenaphthene	376		55	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: J2087.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 22:17

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	298		55	16
98-86-2	Acetophenone	506		55	16
62-53-3	Aniline	152		55	16
120-12-7	Anthracene	310		55	16
1912-24-9	Atrazine	327		55	16
103-33-3	Azobenzene	167		55	16
100-52-7	Benzaldehyde	1140		55	16
56-55-3	Benzo[a]anthracene	319		55	16
50-32-8	Benzo[a]pyrene	386		55	16
205-99-2	Benzo[b]fluoranthene	301		55	16
191-24-2	Benzo[g,h,i]perylene	285		55	16
207-08-9	Benzo[k]fluoranthene	321		55	16
65-85-0	Benzoic acid	252	J	270	25
119-61-9	Benzophenone	348		55	16
100-51-6	Benzyl alcohol	471		110	47
111-91-1	Bis(2-chloroethoxy)methane	276		55	16
111-44-4	Bis(2-chloroethyl)ether	388		55	16
117-81-7	Bis(2-ethylhexyl) phthalate	2160		55	16
85-68-7	Butyl benzyl phthalate	307		55	16
105-60-2	Caprolactam	60.7		55	16
86-74-8	Carbazole	305		55	16
218-01-9	Chrysene	304		55	16
53-70-3	Dibenz(a,h)anthracene	292		55	16
132-64-9	Dibenzofuran	305		55	16
84-66-2	Diethyl phthalate	370		55	16
131-11-3	Dimethyl phthalate	394		55	16
84-74-2	Di-n-butyl phthalate	331		55	48
117-84-0	Di-n-octyl phthalate	351		55	28
206-44-0	Fluoranthene	374		55	16
86-73-7	Fluorene	353		55	16
118-74-1	Hexachlorobenzene	393		55	16
87-68-3	Hexachlorobutadiene	289		55	16
77-47-4	Hexachlorocyclopentadiene	ND		110	16
67-72-1	Hexachloroethane	148		55	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: J2087.D

Analysis Method: 8270D | Date Collected: 12/10/2010 09:00

Extract. Method: 3546 | Date Extracted: 12/17/2010 11:39

Sample wt/vol: 30.36(g) | Date Analyzed: 12/21/2010 22:17

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

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67510 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	300		55	16
78-59-1	Isophorone	224		55	16
91-20-3	Naphthalene	266		130	16
98-95-3	Nitrobenzene	215		55	16
621-64-7	N-Nitrosodi-n-propylamine	443		55	16
86-30-6	N-Nitrosodiphenylamine	804		55	16
87-86-5	Pentachlorophenol	379		55	16
85-01-8	Phenanthrene	399		66	16
108-95-2	Phenol	1960		55	16
101-84-8	Diphenyl oxide	474		55	16
129-00-0	Pyrene	394		55	16
62-75-9	N-Nitrosodimethylamine	ND		55	19
122-39-4	Diphenylamine	687		55	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	59		30-130
4165-62-2	Phenol-d5	58		30-130
4165-60-0	Nitrobenzene-d5	34		30-130
118-79-6	2,4,6-Tribromophenol	72		30-130
1718-51-0	Terphenyl-d14	38		30-130
321-60-8	2-Fluorobiphenyl	55		30-130
118-79-6	2,4,6-Tribromophenol	72		30-130
321-60-8	2-Fluorobiphenyl	55		30-130
367-12-4	2-Fluorophenol	59		30-130
4165-60-0	Nitrobenzene-d5	34		30-130
4165-62-2	Phenol-d5	58		30-130
1718-51-0	Terphenyl-d14	38		30-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2087.D
Lims ID: 360-31465-A-13-O MSD Client ID: OC-SD-SD-SD2-MSD
Inject. Date: 21-Dec-2010 22:17:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 360-31465-A-13-O MSD
Misc. Info.:
Operator: CT Instrument ID: Inst. J
Vol. Injected: 2.0000 ALS Bottle#: 17
Lims Batch ID: 67510 Lims Sample ID: 19
Detector: MS SCAN

Method: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\LL8270J.m
Last Update: 22-Dec-2010 14:46:15 Calib Date: 21-Dec-2010 18:32:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2080.D
Limit Group: SMS - 8270D_LL SVOA Calibration MCP
Integrator: RTE ID Type: RT Order ID
Process Host: WES1002

First Level Reviewer: testerc Date: 22-Dec-2010 14:49:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	152	7.929	7.932	-0.003	94	81716	4.00	
* 2 Naphthalene-d8	136	9.261	9.259	0.002	99	415978	4.00	
* 3 Acenaphthene-d10	164	11.045	11.043	0.002	93	172039	4.00	
* 4 Phenanthrene-d10	188	12.550	12.539	0.011	95	285516	4.00	
* 5 Chrysene-d12	240	15.152	15.140	0.012	78	154496	4.00	
* 6 Perylene-d12	264	16.378	16.362	0.016	96	54441	4.00	
$ 7 2-Fluorophenol	112	6.501	6.456	0.045	86	104738	5.88	
$ 8 Phenol-d5	99	7.530	7.514	0.016	51	116781	5.84	
$ 9 Nitrobenzene-d5	82	8.511	8.509	0.002	88	35747	1.70	
$ 10 2-Fluorobiphenyl	172	10.338	10.336	0.002	100	121539	2.75	
$ 11 2,4,6-Tribromophenol	330	11.843	11.832	0.011	89	25814	7.24	
$ 12 Terphenyl-d14	244	14.099	14.092	0.007	98	52143	1.90	
16 Benzaldehyde	105	7.463	7.461	0.002	48	266860	20.9	5
17 Phenol	94	7.544	7.528	0.016	98	685109	35.9	5
18 Aniline	93	7.578	7.576	0.002	25	62842	2.78	
19 Bis(2-chloroethyl)ether	93	7.631	7.634	-0.003	98	110021	7.10	
20 2-Chlorophenol	128	7.713	7.711	0.002	90	140974	6.67	
21 1,3-Dichlorobenzene	146	7.871	7.874	-0.003	98	161183	6.79	
22 1,4-Dichlorobenzene	146	7.948	7.951	-0.003	97	157158	6.44	
23 Benzyl alcohol	79	8.069	8.062	0.007	95	101236	8.61	
24 1,2-Dichlorobenzene	146	8.117	8.115	0.002	100	140937	6.23	
25 2-Methylphenol	108	8.179	8.168	0.011	96	102511	6.72	
26 2,2'-oxybis[1-chloropropane]	45	8.203	8.201	0.002	86	132757	6.11	
27 3 & 4 Methylphenol	107	8.343	8.326	0.017	96	1239066	70.1	5
28 N-Nitrosodi-n-propylamine	42	8.343	8.336	0.007	32	67987	8.10	
29 Acetophenone	105	8.347	8.345	0.002	52	220281	9.26	
30 Hexachloroethane	117	8.468	8.475	-0.007	88	23302	2.72	
31 Nitrobenzene	77	8.530	8.533	-0.003	86	76678	3.93	
32 Isophorone	82	8.771	8.764	0.007	94	143344	4.09	
35 2-Nitrophenol	139	8.862	8.860	0.002	89	37833	2.77	
33 2,4-Dimethylphenol	107	8.881	8.874	0.007	90	122812	5.61	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
34 Benzoic acid	105	8.987	8.927	0.060	73	10166	4.62	
36 Bis(2-chloroethoxy)methane	93	8.968	8.971	-0.003	98	117657	5.04	
37 2,4-Dichlorophenol	162	9.112	9.100	0.012	88	105566	5.22	
38 1,2,4-Trichlorobenzene	180	9.194	9.197	-0.003	95	115018	4.72	
40 Naphthalene	128	9.280	9.283	-0.003	98	394133	4.87	
41 4-Chloroaniline	127	9.324	9.317	0.007	74	35090	1.12	
42 Hexachlorobutadiene	225	9.396	9.399	-0.003	97	62989	5.29	
39 Alpha-Terpineol	59	9.583	9.570	0.013	26	671	0	
43 Caprolactam	55	9.651	9.653	-0.002	63	6557	1.11	
44 4-Chloro-3-methylphenol	107	9.800	9.783	0.017	92	109506	5.73	
45 2-Methylnaphthalene	142	9.982	9.980	0.002	89	249457	4.90	
46 1-Methylnaphthalene	142	10.083	10.081	0.002	92	241460	4.75	
48 1,2,4,5-Tetrachlorobenzene	216	10.156	10.154	0.002	97	106305	5.17	
49 2,4,6-Trichlorophenol	196	10.261	10.255	0.006	65	80794	8.18	
50 2,4,5-Trichlorophenol	196	10.305	10.293	0.012	94	72668	7.31	
51 1,1'-Biphenyl	154	10.444	10.442	0.002	93	317764	6.47	
52 2-Chloronaphthalene	162	10.483	10.476	0.007	97	215275	4.82	
53 Phenyl ether	170	10.545	10.538	0.007	82	281465	8.67	
54 2-Nitroaniline	138	10.569	10.562	0.007	94	78921	6.53	
56 Dimethyl phthalate	163	10.723	10.721	0.002	99	304675	7.20	
57 2,6-Dinitrotoluene	165	10.795	10.793	0.002	84	36146	3.68	
58 Acenaphthylene	152	10.906	10.904	0.002	97	330115	5.45	
59 3-Nitroaniline	138	10.988	10.971	0.017	81	17713	1.80	
62 Acenaphthene	153	11.079	11.077	0.002	92	265551	6.89	
60 4-Nitrophenol	139	11.137	11.101	0.036	79	41262	6.02	
63 2,4-Dinitrotoluene	165	11.209	11.202	0.007	93	42681	3.46	
64 Dibenzofuran	168	11.247	11.245	0.002	93	284606	5.59	
65 2,3,4,6-Tetrachlorophenol	232	11.367	11.317	0.050	0	53363	7.06	
66 Diethyl phthalate	149	11.425	11.418	0.007	98	306334	6.77	
67 4-Chlorophenyl phenyl ether	204	11.569	11.563	0.006	90	124475	6.47	
68 4-Nitroaniline	138	11.598	11.587	0.011	6	33615	3.77	
70 Fluorene	166	11.593	11.591	0.002	82	269353	6.46	
69 4,6-Dinitro-2-methylphenol	198	11.622	11.615	0.007	1	1369	0.9437	
75 N-Nitrosodiphenylamine	169	11.685	11.678	0.007	52	423636	14.7	
71 Diphenylamine	169	11.685	11.678	0.007	0	423636	12.6	
73 1,2-Diphenylhydrazine	77	11.733	11.726	0.007	1	140569	3.06	
72 Azobenzene	77	11.733	11.726	0.007	83	140569	3.06	
74 Benzophenone	105	11.747	11.736	0.011	64	233857	6.37	
76 4-Bromophenyl phenyl ether	248	12.065	12.058	0.007	60	65699	7.07	
78 Hexachlorobenzene	284	12.161	12.154	0.007	91	64922	7.19	
77 Atrazine	200	12.204	12.183	0.021	7	60605	5.98	
79 Pentachlorophenol	266	12.353	12.337	0.016	87	30566	6.93	
80 Pentachloronitrobenzene	237	12.363	12.356	0.007	78	22954	5.21	
81 Phenanthrene	178	12.574	12.563	0.011	98	408136	7.31	
82 Anthracene	178	12.623	12.616	0.006	97	305213	5.66	
83 Carbazole	167	12.767	12.760	0.007	82	244158	5.57	
84 Di-n-butyl phthalate	149	13.050	13.044	0.006	100	429239	6.05	
86 Fluoranthene	202	13.767	13.760	0.007	97	341624	6.84	
87 Benzidine	184	13.892	13.852	0.040	1	1058	0.0747	
88 Pyrene	202	13.998	13.991	0.007	98	329446	7.21	
85 4,4'-DDD	235	14.363	14.352	0.011	26	1722	0	
90 Butyl benzyl phthalate	149	14.527	14.520	0.007	92	131943	5.61	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/mL	Flags
89 4,4'-DDT	235	14.666	14.644	0.022	23	323	0	
91 Bis(2-ethylhexyl) phthalate	149	15.041	15.030	0.011	92	1153091	39.5	5
92 3,3'-Dichlorobenzidine	252	15.089	15.068	0.021	33	8233	1.09	
93 Benzo[a]anthracene	228	15.138	15.126	0.012	99	181153	5.83	
94 Chrysene	228	15.176	15.164	0.012	96	159640	5.57	
95 Di-n-octyl phthalate	149	15.570	15.563	0.007	99	218518	6.43	
97 Benzo[b]fluoranthene	252	16.008	15.996	0.012	96	84366	5.51	
98 Benzo[k]fluoranthene	252	16.032	16.020	0.012	66	81410	5.87	
99 Benzo[a]pyrene	252	16.320	16.309	0.011	41	77203	7.06	A
102 Indeno[1,2,3-cd]pyrene	276	17.686	17.665	0.021	93	45277	5.49	
100 Dibenz(a,h)anthracene	278	17.691	17.670	0.021	69	35420	5.33	
101 Benzo[g,h,i]perylene	276	18.105	18.074	0.031	97	34908	5.21	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

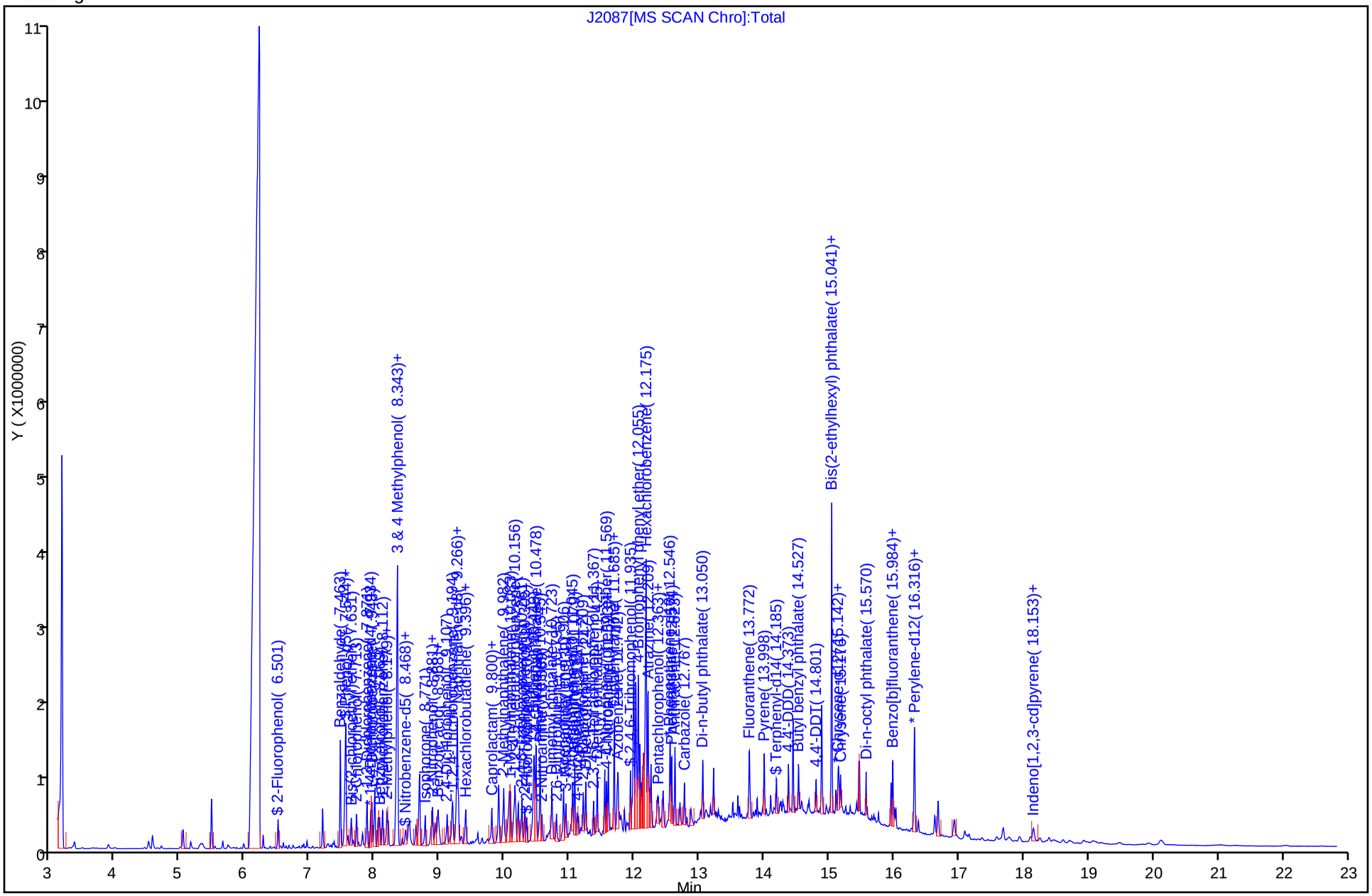
Review Flags
A - User Assigned ID

Report Date: 22-Dec-2010 14:49:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2087.D

Injection Date:	21-Dec-2010 22:17:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

Y Scaling:



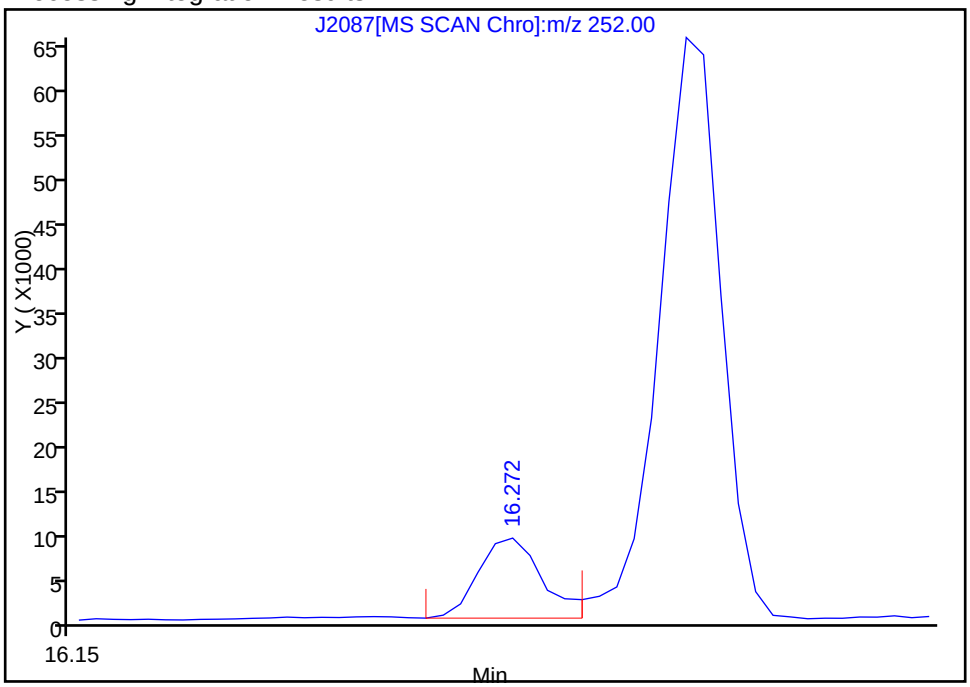
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20101222-4416.b\J2087.D		
Injection Date:	21-Dec-2010 22:17:30	Limit Group:	SMS - 8270D_LL SVOA Calibration MCP
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	Inst. J
Lims Batch ID:	67510	Lims Sample ID:	19
Operator ID:	CT	Injection Vol:	2.00 ul

99 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.31

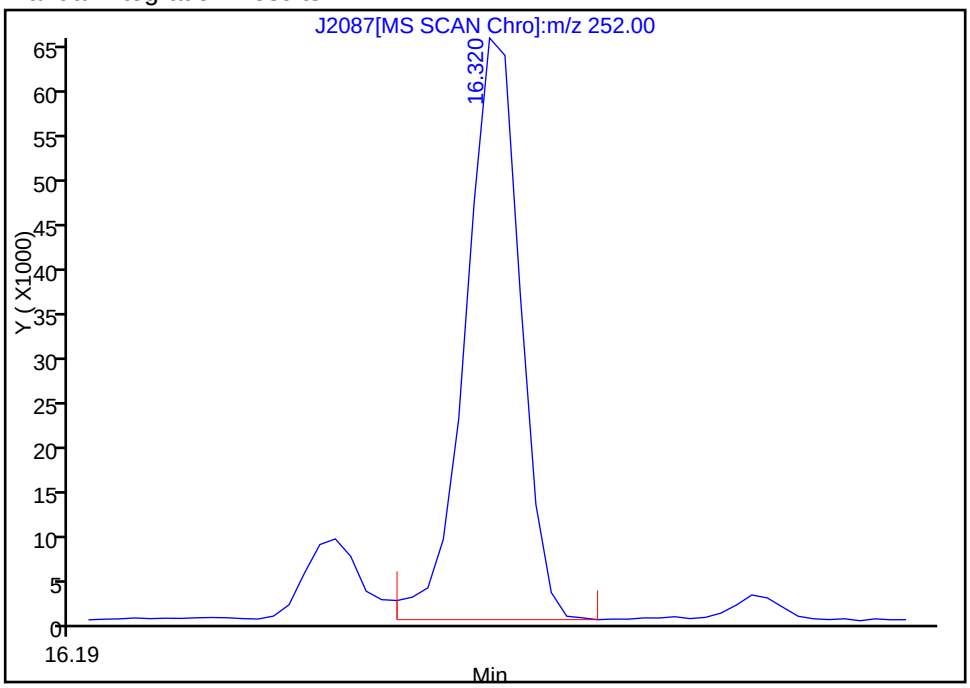
Processing Integration Results

RT: 16.27
Response: 11186
Amount: 1.022720



Manual Integration Results

RT: 16.32
Response: 77203
Amount: 7.058563



Reviewer: testerc, 22-Dec-2010 12:35:20
Audit Action: Assigned Compound ID
Audit Reason:

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. B Start Date: 12/20/2010 15:17

Analysis Batch Number: 67431 End Date: 12/20/2010 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-67431/1		12/20/2010 15:17	1	B13776.D	Rtx-5ms 0.25(um)
STD02 360-67431/2 IC		12/20/2010 15:53	1	B13777.D	Rtx-5ms 0.25(um)
STD05 360-67431/3 IC		12/20/2010 16:29	1	B13778.D	Rtx-5ms 0.25(um)
STD1 360-67431/4 IC		12/20/2010 17:05	1	B13779.D	Rtx-5ms 0.25(um)
STD25 360-67431/5 IC		12/20/2010 17:40	1	B13780.D	Rtx-5ms 0.25(um)
STD5 360-67431/6 ICIS		12/20/2010 18:16	1	B13781.D	Rtx-5ms 0.25(um)
STD8 360-67431/7 IC		12/20/2010 18:51	1	B13782.D	Rtx-5ms 0.25(um)
STD10 360-67431/8 IC		12/20/2010 19:27	1	B13783.D	Rtx-5ms 0.25(um)
STD15 360-67431/9 IC		12/20/2010 20:03	1	B13784.D	Rtx-5ms 0.25(um)
STD20 360-67431/10 IC		12/20/2010 20:38	1	B13785.D	Rtx-5ms 0.25(um)
ICV 360-67431/11		12/20/2010 21:14	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. B Start Date: 12/20/2010 21:50

Analysis Batch Number: 67459 End Date: 12/21/2010 09:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-67459/12		12/20/2010 21:50	1	B13787.D	Rtx-5ms 0.25(um)
CCVIS 360-67459/13		12/20/2010 22:26	1	B13788.D	Rtx-5ms 0.25(um)
ZZZZZ		12/20/2010 23:02	1		Rtx-5ms 0.25(um)
ZZZZZ		12/20/2010 23:38	1		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 00:14	1		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 00:50	1		Rtx-5ms 0.25(um)
MB 360-67334/1-A		12/21/2010 01:26	1	B13793.D	Rtx-5ms 0.25(um)
LCS 360-67334/2-A		12/21/2010 02:01	1	B13794.D	Rtx-5ms 0.25(um)
LCSD 360-67334/3-A		12/21/2010 02:38	1	B13795.D	Rtx-5ms 0.25(um)
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 03:14	5	B13796.D	Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 03:50	5		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 04:26	5		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 05:03	5		Rtx-5ms 0.25(um)
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 05:39	5	B13800.D	Rtx-5ms 0.25(um)
360-31465-6	OC-SD-SD-SD3-XXX	12/21/2010 06:16	5	B13801.D	Rtx-5ms 0.25(um)
360-31465-7	OC-SD-SDSW-E-XXX	12/21/2010 06:52	5	B13802.D	Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 07:28	1		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 08:04	1		Rtx-5ms 0.25(um)
360-31465-9	OC-SD-OPWD-1-XXX	12/21/2010 08:40	1	B13805.D	Rtx-5ms 0.25(um)
360-31465-10	OC-SD-OPWD-2-XXX	12/21/2010 09:16	1	B13806.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. B Start Date: 12/22/2010 08:34

Analysis Batch Number: 67515 End Date: 12/22/2010 21:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-67515/12		12/22/2010 08:34	1	B13808.D	Rtx-5ms 0.25(um)
CCVIS 360-67515/13		12/22/2010 09:09	1	B13809.D	Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 09:45	250		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 10:20	500		Rtx-5ms 0.25(um)
360-31465-2	OC-SD-LB-1-XXX	12/22/2010 10:55	5	B13812.D	Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 11:31	20		Rtx-5ms 0.25(um)
360-31465-3	OC-SD-LB-2-XXX	12/22/2010 12:06	5	B13814.D	Rtx-5ms 0.25(um)
360-31465-4	OC-SD-LB-3-XXX	12/22/2010 12:42	50	B13815.D	Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 13:18	100		Rtx-5ms 0.25(um)
360-31465-5 DL	OC-SD-SD-1-XXX DL	12/22/2010 13:53	250	B13817.D	Rtx-5ms 0.25(um)
360-31465-6	OC-SD-SD-SD3-XXX	12/22/2010 14:29	5	B13818.D	Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 15:05	1		Rtx-5ms 0.25(um)
360-31465-9	OC-SD-OPWD-1-XXX	12/22/2010 15:41	1	B13820.D	Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 19:14	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 19:49	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 20:24	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 21:00	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. J Start Date: 12/21/2010 13:39

Analysis Batch Number: 67510 End Date: 12/22/2010 05:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-67510/1		12/21/2010 13:39	1	J2071.D	Rtx-5ms 0.25(um)
STD02 360-67510/2 IC		12/21/2010 14:12	1	J2072.D	Rtx-5ms 0.25(um)
STD05 360-67510/3 IC		12/21/2010 14:44	1	J2073.D	Rtx-5ms 0.25(um)
STD1 360-67510/4 IC		12/21/2010 15:17	1	J2074.D	Rtx-5ms 0.25(um)
STD25 360-67510/5 IC		12/21/2010 15:50	1	J2075.D	Rtx-5ms 0.25(um)
STD5 360-67510/6 ICIS		12/21/2010 16:22	1	J2076.D	Rtx-5ms 0.25(um)
STD8 360-67510/7 IC		12/21/2010 16:55	1	J2077.D	Rtx-5ms 0.25(um)
STD10 360-67510/8 IC		12/21/2010 17:27	1	J2078.D	Rtx-5ms 0.25(um)
STD15 360-67510/9 IC		12/21/2010 18:00	1	J2079.D	Rtx-5ms 0.25(um)
STD20 360-67510/10 IC		12/21/2010 18:32	1	J2080.D	Rtx-5ms 0.25(um)
ICV 360-67510/11		12/21/2010 19:04	1	J2081.D	Rtx-5ms 0.25(um)
360-31465-11	OC-SD-OPWD-SD/SP/SW-S-XXX	12/21/2010 20:09	1	J2083.D	Rtx-5ms 0.25(um)
360-31465-12	OC-SD-SD-SD2-DUP	12/21/2010 20:41	1	J2084.D	Rtx-5ms 0.25(um)
360-31465-13	OC-SD-SD-SD2-XXX	12/21/2010 21:13	1	J2085.D	Rtx-5ms 0.25(um)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/21/2010 21:45	1	J2086.D	Rtx-5ms 0.25(um)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/21/2010 22:17	1	J2087.D	Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 22:49	1		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 23:22	1		Rtx-5ms 0.25(um)
ZZZZZ		12/21/2010 23:55	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 00:27	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 00:59	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 01:31	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 02:04	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 02:36	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 03:08	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 03:41	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 04:13	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 04:45	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 05:18	1		Rtx-5ms 0.25(um)
ZZZZZ		12/22/2010 05:51	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. J Start Date: 12/23/2010 11:26

Analysis Batch Number: 67612 End Date: 12/23/2010 18:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-67612/12		12/23/2010 11:26	1	J2103.D	Rtx-5ms 0.25(um)
CCVIS 360-67612/13		12/23/2010 11:58	1	J2104.D	Rtx-5ms 0.25(um)
360-31465-10	OC-SD-OPWD-2-XXX	12/23/2010 12:54	1	J2105.D	Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 13:26	1		Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 13:58	1		Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 14:30	1		Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 15:02	1		Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 15:34	1		Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 16:06	1		Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 16:38	1		Rtx-5ms 0.25(um)
360-31465-12 DL	OC-SD-SD-SD2-DUP DL	12/23/2010 17:11	5	J2113.D	Rtx-5ms 0.25(um)
360-31465-13 DL	OC-SD-SD-SD2-XXX DL	12/23/2010 17:43	5	J2114.D	Rtx-5ms 0.25(um)
ZZZZZ		12/23/2010 18:15	5		Rtx-5ms 0.25(um)
360-31465-1 DL	OC-SD-ISCO-2-XXX DL	12/23/2010 18:47	1000	J2116.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Start Date: 01/06/2011 11:51

Analysis Batch Number: 68210 End Date: 01/06/2011 13:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
360-31465-1	OC-SD-ISCO-2-XXX	01/06/2011 11:51	1		
360-31465-5	OC-SD-SD-1-XXX	01/06/2011 12:26	1		
360-31465-12	OC-SD-SD-SD2-DUP	01/06/2011 13:01	1		
360-31465-13	OC-SD-SD-SD2-XXX	01/06/2011 13:36	1		

Organic Prep Worksheet

Batch Number: 360-67334
Method: 3546
Analyst: Kim, Young Ran R

Date Open: Dec 17 2010 11:39AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN-SURR_00040	OlinPiciloLCS_00007	OP-abnms_00078
MB~360-67334/1		3546, 8270D		30.00 g	1.0 mL	50 uL		
LCS~360-67334/2		3546, 8270D		30.00 g	1.0 mL	50 uL	0.1 mL	100 uL
LCSD~360-67334/3		3546, 8270D		30.00 g	1.0 mL	50 uL	0.1 mL	100 uL
360-31465-A-1	OC-SD-ISCO-2-XXX	3546, 8270D	T	30.90 g	1.0 mL	50 uL		
360-31465-A-2	OC-SD-LB-1-XXX	3546, 8270D	T	30.40 g	1.0 mL	50 uL		
360-31465-A-3	OC-SD-LB-2-XXX	3546, 8270D	T	30.48 g	1.0 mL	50 uL		
360-31465-A-4	OC-SD-LB-3-XXX	3546, 8270D	T	30.12 g	1.0 mL	50 uL		
360-31465-A-5	OC-SD-SD-1-XXX	3546, 8270D	T	30.20 g	1.0 mL	50 uL		
360-31465-A-6	OC-SD-SD-SD3-XXX	3546, 8270D	T	30.15 g	1.0 mL	50 uL		
360-31465-A-7	OC-SD-SDSW-E-XXX	3546, 8270D	T	30.36 g	1.0 mL	50 uL		
360-31465-A-9	OC-SD-OPWD-1-XXX	3546, 8270D	T	30.76 g	1.0 mL	50 uL		
360-31465-A-10	OC-SD-OPWD-2-XXX	3546, 8270D	T	30.60 g	1.0 mL	50 uL		
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3546, 8270D	T	30.08 g	1.0 mL	50 uL		
360-31465-A-12	OC-SD-SD-SD2-DUP	3546, 8270D	T	30.44 g	1.0 mL	50 uL		
360-31465-A-13	OC-SD-SD-SD2-XXX	3546, 8270D	T	30.33 g	1.0 mL	50 uL		
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	3546, 8270D	T	30.46 g	1.0 mL	50 uL	0.1 mL	100 uL
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	3546, 8270D	T	30.36 g	1.0 mL	50 uL	0.1 mL	100 uL
360-31518-A-1			T	30.62 g	1.0 mL	50 uL		
360-31518-A-2			T	30.57 g	1.0 mL	50 uL		
360-31310-A-4			T	30.41 g	1.0 mL	50 uL		

Person's name who did the prep: Young/Orga

Organic Prep Worksheet

Batch Number: 360-67334
Method: 3546
Analyst: Kim, Young Ran R

Date Open: Dec 17 2010 11:39AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-67334/1		3546, 8270D		
LCS~360-67334/2		3546, 8270D		
LCSD~360-67334/3		3546, 8270D		
360-31465-A-1	OC-SD-ISCO-2-XXX	3546, 8270D	T	wet
360-31465-A-2	OC-SD-LB-1-XXX	3546, 8270D	T	wet
360-31465-A-3	OC-SD-LB-2-XXX	3546, 8270D	T	wet
360-31465-A-4	OC-SD-LB-3-XXX	3546, 8270D	T	wet
360-31465-A-5	OC-SD-SD-1-XXX	3546, 8270D	T	wet
360-31465-A-6	OC-SD-SD-SD3-XXX	3546, 8270D	T	wet
360-31465-A-7	OC-SD-SDSW-E-XXX	3546, 8270D	T	wet
360-31465-A-9	OC-SD-OPWD-1-XXX	3546, 8270D	T	wet
360-31465-A-10	OC-SD-OPWD-2-XXX	3546, 8270D	T	wet
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3546, 8270D	T	wet
360-31465-A-12	OC-SD-SD-SD2-DUP	3546, 8270D	T	wet
360-31465-A-13	OC-SD-SD-SD2-XXX	3546, 8270D	T	wet
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	3546, 8270D	T	wet
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	3546, 8270D	T	wet
360-31518-A-1			T	wet
360-31518-A-2			T	wet
360-31310-A-4			T	wet, Rx out of hold

Method MAVPH

Massachusetts - Volatile Petroleum Hydrocarbons (GC) by Method MAVPH

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low

GC Column (1): RTX-502.2 ID: 0.53 (mm) GC Column (2): RTX-502.2 0.53 (mm)

Client Sample ID	Lab Sample ID	25DBT1 #	25DBT2 #
OC-SD-ISCO-2-XXX	360-31465-1	95	89
OC-SD-SD-1-XXX	360-31465-5	96	88
OC-SD-SD-SD3-XXX	360-31465-6	93	87
OC-SD-SDSW-E-XXX	360-31465-7	95	88
OC-TBK-064	360-31465-8	91	84
OC-SD-SD-SD2-DUP	360-31465-12	95	88
OC-SD-SD-SD2-XXX	360-31465-13	91	84
OC-TBK-066	360-31465-14	92	86
	MB 360-67507/3-A	94	88
	LCS 360-67507/1-A	91	91
	LCSD 360-67507/2-A	90	91
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	91	89
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	88	88

	QC LIMITS
25DBT = 2,5-Dibromotoluene (pid)	70-130
25DBT = 2,5-Dibromotoluene (fid)	70-130

Column to be used to flag recovery values

FORM II MAVPH

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: G23891.D

Lab ID: LCS 360-67507/1-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C5-C8 Aliphatics (unadjusted)	28.6	26.8	94	70-130	
C9-C10 Aromatics	4.76	4.99	105	70-130	
C9-C12 Aliphatics (unadjusted)	38.1	34.4	90	70-130	

Column to be used to flag recovery and RPD values

FORM III MAVPH

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: G23892.D

Lab ID: LCSD 360-67507/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C5-C8 Aliphatics (unadjusted)	28.6	26.9	94	0	25	70-130	
C9-C10 Aromatics	4.76	4.95	104	1	25	70-130	
C9-C12 Aliphatics (unadjusted)	38.1	35.4	93	3	25	70-130	

Column to be used to flag recovery and RPD values

FORM III MAVPH

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: G23903.D

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C5-C8 Aliphatics (unadjusted)	37.2	ND	35.7	96	70-130	
C9-C10 Aromatics	6.20	ND	7.40	119	70-130	
C9-C12 Aliphatics (unadjusted)	49.6	ND	46.8	94	70-130	

Column to be used to flag recovery and RPD values

FORM III MAVPH

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: G23904.D

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C5-C8 Aliphatics (unadjusted)	46.7	44.1	94	21	50	70-130	
C9-C10 Aromatics	7.79	8.97	115	19	50	70-130	
C9-C12 Aliphatics (unadjusted)	62.3	57.6	92	21	50	70-130	

Column to be used to flag recovery and RPD values

FORM III MAVPH

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: MB 360-67507/3-A

Matrix: Solid Date Extracted: 12/21/2010 08:32

Lab File ID:(1) G23894.D Lab File ID:(2) G23894.D

Date Analyzed:(1) 12/21/2010 17:00 Date Analyzed:(2) 12/21/2010 17:00

Instrument ID:(1) Inst. G Instrument ID:(2) Inst. G

GC Column:(1) RTX-502.2 ID: 0.53(mm) GC Column:(2) RTX-502.2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 360-67507/1-A	12/21/2010 15:20	12/21/2010 15:20
	LCSD 360-67507/2-A	12/21/2010 15:53	12/21/2010 15:53
OC-SD-ISCO-2-XXX	360-31465-1	12/21/2010 17:33	12/21/2010 17:33
OC-SD-SD-1-XXX	360-31465-5	12/21/2010 18:06	12/21/2010 18:06
OC-SD-SD-SD3-XXX	360-31465-6	12/21/2010 18:39	12/21/2010 18:39
OC-SD-SDSW-E-XXX	360-31465-7	12/21/2010 19:12	12/21/2010 19:12
OC-TBK-064	360-31465-8	12/21/2010 19:45	12/21/2010 19:45
OC-SD-SD-SD2-DUP	360-31465-12	12/21/2010 20:18	12/21/2010 20:18
OC-SD-SD-SD2-XXX	360-31465-13	12/21/2010 20:51	12/21/2010 20:51
OC-TBK-066	360-31465-14	12/21/2010 21:25	12/21/2010 21:25
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	12/21/2010 21:58	12/21/2010 21:58
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	12/21/2010 22:31	12/21/2010 22:31

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67516/2 Date Analyzed: 12/21/2010 14:47

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm)

Lab File ID (Standard): G23890.D Heated Purge: (Y/N) N

Calibration ID: 9623

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				25DBT RT #		
CONTINUING CALIBRATION SURROGATE				25.67		
UPPER LIMIT				25.87		
LOWER LIMIT				25.47		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67516/2		12/21/2010 14:47	G23890.D	25.67		
LCS 360-67507/1-A		12/21/2010 15:20	G23891.D	25.68		
LCSD 360-67507/2-A		12/21/2010 15:53	G23892.D	25.68		
MB 360-67507/3-A		12/21/2010 17:00	G23894.D	25.68		
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 17:33	G23895.D	25.68		
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 18:06	G23896.D	25.68		
360-31465-6	OC-SD-SD-SD3-XXX	12/21/2010 18:39	G23897.D	25.68		
360-31465-7	OC-SD-SDSW-E-XXX	12/21/2010 19:12	G23898.D	25.68		
360-31465-8	OC-TBK-064	12/21/2010 19:45	G23899.D	25.67		
360-31465-12	OC-SD-SD-SD2-DUP	12/21/2010 20:18	G23900.D	25.68		
360-31465-13	OC-SD-SD-SD2-XXX	12/21/2010 20:51	G23901.D	25.68		
360-31465-14	OC-TBK-066	12/21/2010 21:25	G23902.D	25.68		
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/21/2010 21:58	G23903.D	25.67		
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/21/2010 22:31	G23904.D	25.68		
CCV 360-67516/18		12/21/2010 23:37	G23906.D	25.68		

25DBT = 2,5-Dibromotoluene (pid)

25DBT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MAVPH

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67516/2 Date Analyzed: 12/21/2010 14:47

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm)

Lab File ID (Standard): G23890.D Heated Purge: (Y/N) N

Calibration ID: 9624

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				25DBT RT #		
CONTINUING CALIBRATION SURROGATE				25.68		
UPPER LIMIT				25.88		
LOWER LIMIT				25.48		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67516/2		12/21/2010 14:47	G23890.D	25.68		
LCS 360-67507/1-A		12/21/2010 15:20	G23891.D	25.68		
LCSD 360-67507/2-A		12/21/2010 15:53	G23892.D	25.69		
MB 360-67507/3-A		12/21/2010 17:00	G23894.D	25.69		
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 17:33	G23895.D	25.68		
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 18:06	G23896.D	25.69		
360-31465-6	OC-SD-SD-SD3-XXX	12/21/2010 18:39	G23897.D	25.68		
360-31465-7	OC-SD-SDSW-E-XXX	12/21/2010 19:12	G23898.D	25.69		
360-31465-8	OC-TBK-064	12/21/2010 19:45	G23899.D	25.68		
360-31465-12	OC-SD-SD-SD2-DUP	12/21/2010 20:18	G23900.D	25.69		
360-31465-13	OC-SD-SD-SD2-XXX	12/21/2010 20:51	G23901.D	25.68		
360-31465-14	OC-TBK-066	12/21/2010 21:25	G23902.D	25.69		
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/21/2010 21:58	G23903.D	25.68		
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/21/2010 22:31	G23904.D	25.69		
CCV 360-67516/18		12/21/2010 23:37	G23906.D	25.69		

25DBT = 2,5-Dibromotoluene (fid)

25DBT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MAVPH

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID: G23895.D

Analysis Method: MAVPH Date Collected: 12/09/2010 12:00

Sample wt/vol: 9.34(g) Date Analyzed: 12/21/2010 17:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 47.9 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		4.9	4.9
STL00133	C9-C10 Aromatics	ND		4.9	4.9
STL00106	C9-C12 Aliphatics (adjusted)	ND		4.9	4.9
STL00360	Total VPH	ND		4.9	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	95		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23895.D		
Lims ID:	360-31465-C-1-B	Client ID:	OC-SD-ISCO-2-XXX
Inject. Date:	21-Dec-2010 17:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-1		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	67516	Lims Sample ID:	7
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:57:11

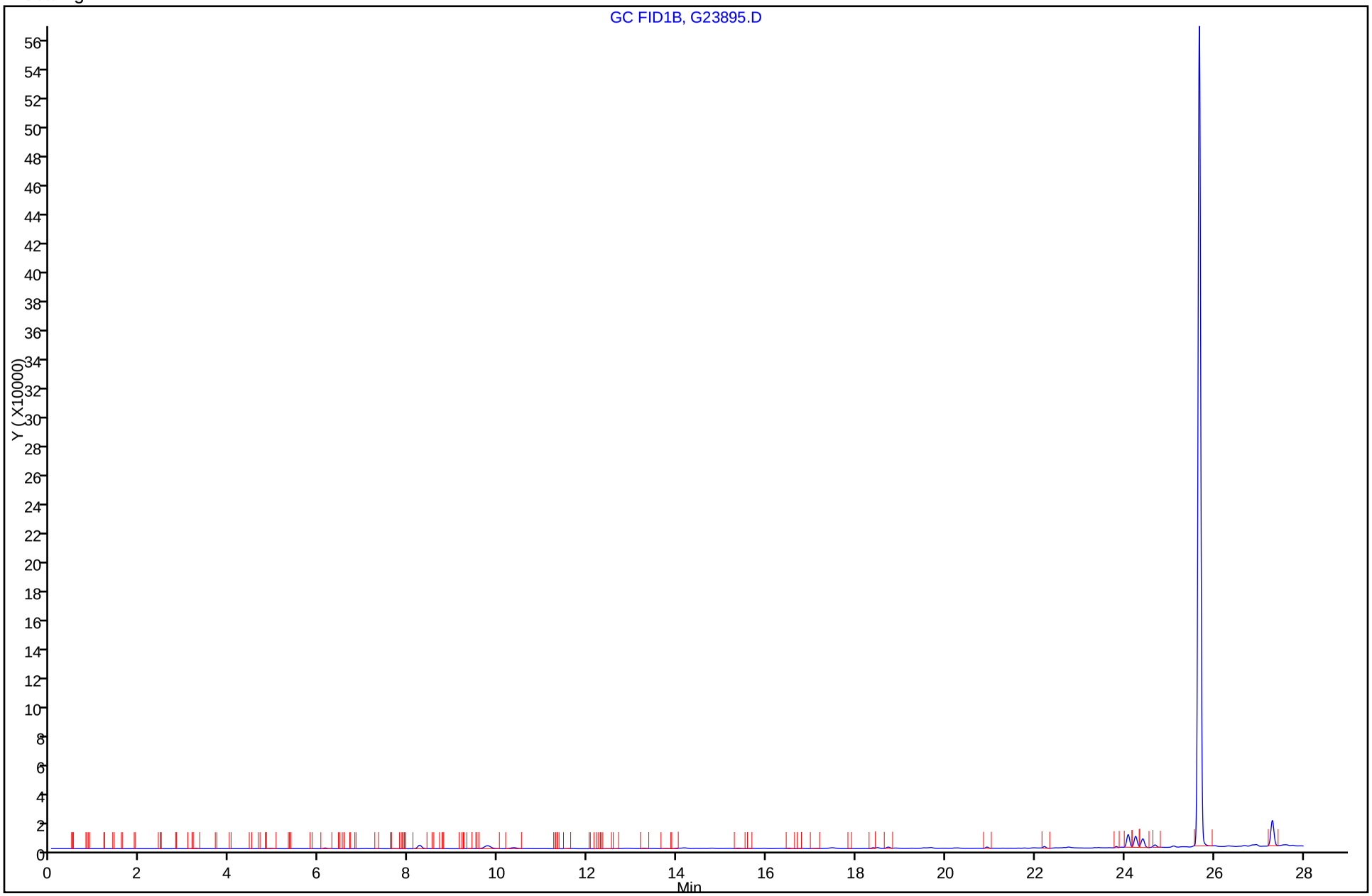
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		120211	0.1506	
A 26 C6-C12						
2	14.305	4.660 - 23.950		398691	0	
S 25 VPH Adjustment 2						
1					0.9732	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 -	23.720	129763	-0.3732	
A 20 C9-C10 Aromatics						
1	20.570	17.420 -	23.720	135352	0.9732	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2408422	94.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.687	-0.004	171546	88.5	

Report Date: 22-Dec-2010 08:57:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23895.D

Injection Date:	21-Dec-2010 17:33:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	7
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID: G23895.D

Analysis Method: MAVPH Date Collected: 12/09/2010 12:00

Sample wt/vol: 9.34(g) Date Analyzed: 12/21/2010 17:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 47.9 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		4.9	4.9
STL00191	C9-C12 Aliphatics (unadjusted)	ND		4.9	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	89		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23895.D		
Lims ID:	360-31465-C-1-B	Client ID:	OC-SD-ISCO-2-XXX
Inject. Date:	21-Dec-2010 17:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-1		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	67516	Lims Sample ID:	7
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:57:11

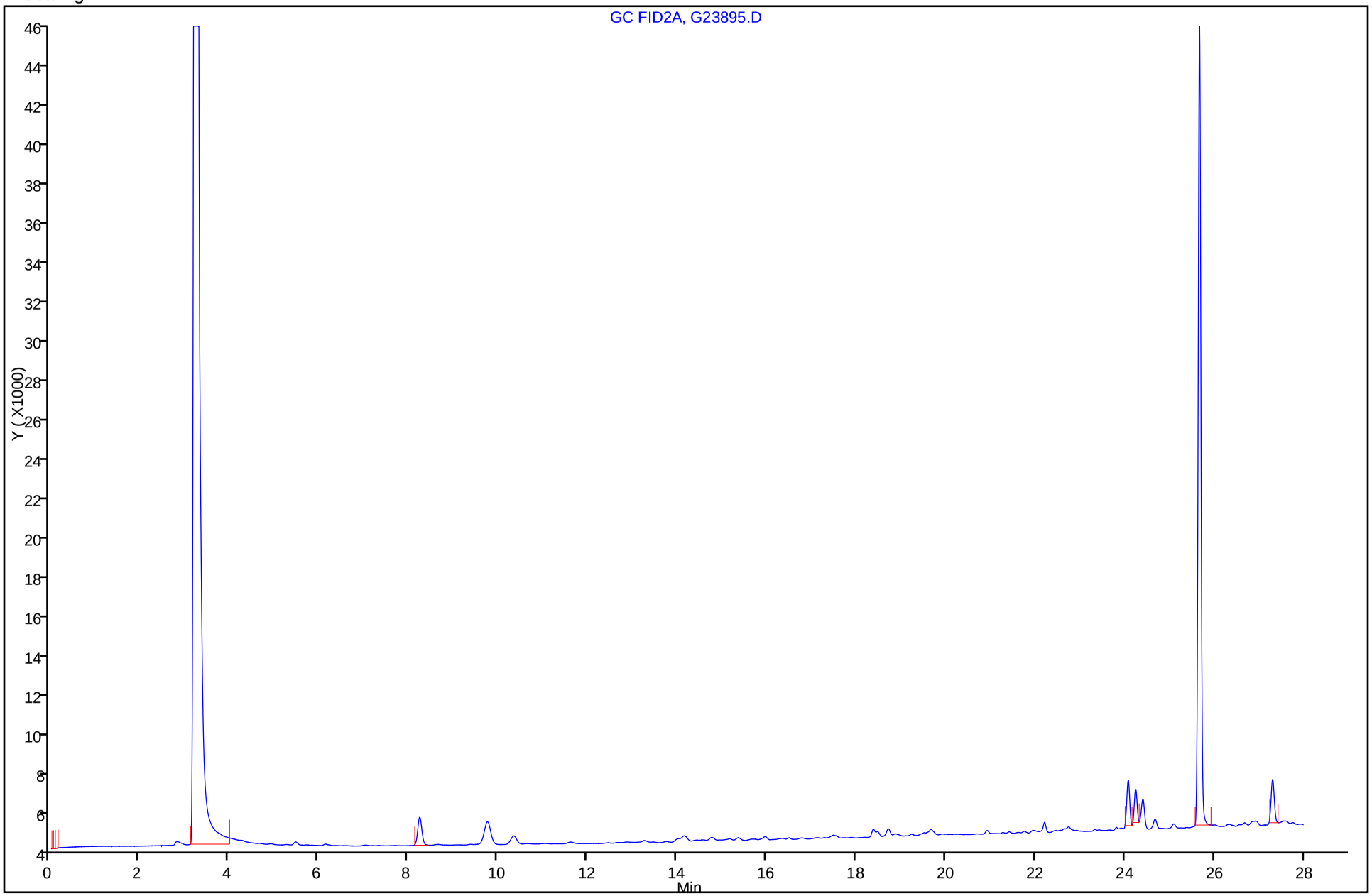
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		120211	0.1506	
A 26 C6-C12						
2	14.305	4.660 - 23.950		398691	0	
S 25 VPH Adjustment 2						
1					0.9732	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 -	23.720	129763	-0.3732	
A 20 C9-C10 Aromatics						
1	20.570	17.420 -	23.720	135352	0.9732	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2408422	94.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.687	-0.004	171546	88.5	

Report Date: 22-Dec-2010 08:57:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23895.D

Injection Date:	21-Dec-2010 17:33:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	7
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: G23896.D

Analysis Method: MAVPH Date Collected: 12/09/2010 13:15

Sample wt/vol: 9.33(g) Date Analyzed: 12/21/2010 18:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 42.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		4.5	4.5
STL00133	C9-C10 Aromatics	ND		4.5	4.5
STL00106	C9-C12 Aliphatics (adjusted)	ND		4.5	4.5
STL00360	Total VPH	ND		4.5	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	96		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23896.D		
Lims ID:	360-31465-C-5-B	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	21-Dec-2010 18:06:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-5		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	67516	Lims Sample ID:	8
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:57:19

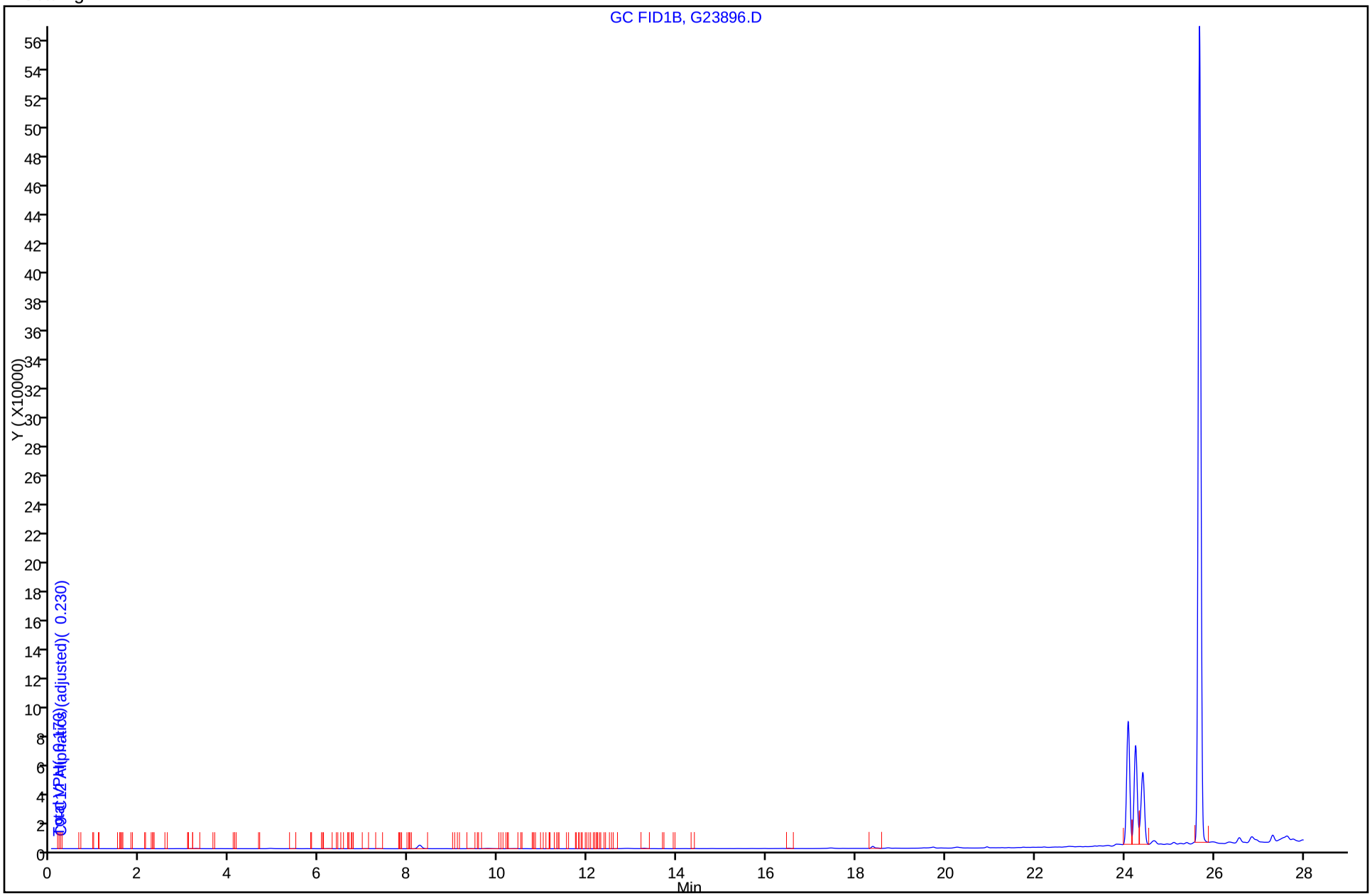
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
3 Total VPH						
1	0.170	0.187	-0.017	18	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.230	0.260	-0.030	15	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 -	15.840	94512	-4.55	
A 26 C6-C12						
2	14.305	4.660 -	23.950	409176	0	
S 25 VPH Adjustment 2						
1					4.91	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	159732	4.54	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	227207	4.91	
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.677	0.006	2430631	95.7	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	171375	88.4	

Report Date: 22-Dec-2010 08:57:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23896.D

Injection Date:	21-Dec-2010 18:06:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	8
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: G23896.D

Analysis Method: MAVPH Date Collected: 12/09/2010 13:15

Sample wt/vol: 9.33(g) Date Analyzed: 12/21/2010 18:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 42.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		4.5	4.5
STL00191	C9-C12 Aliphatics (unadjusted)	ND		4.5	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23896.D		
Lims ID:	360-31465-C-5-B	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	21-Dec-2010 18:06:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-5		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	67516	Lims Sample ID:	8
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:57:19

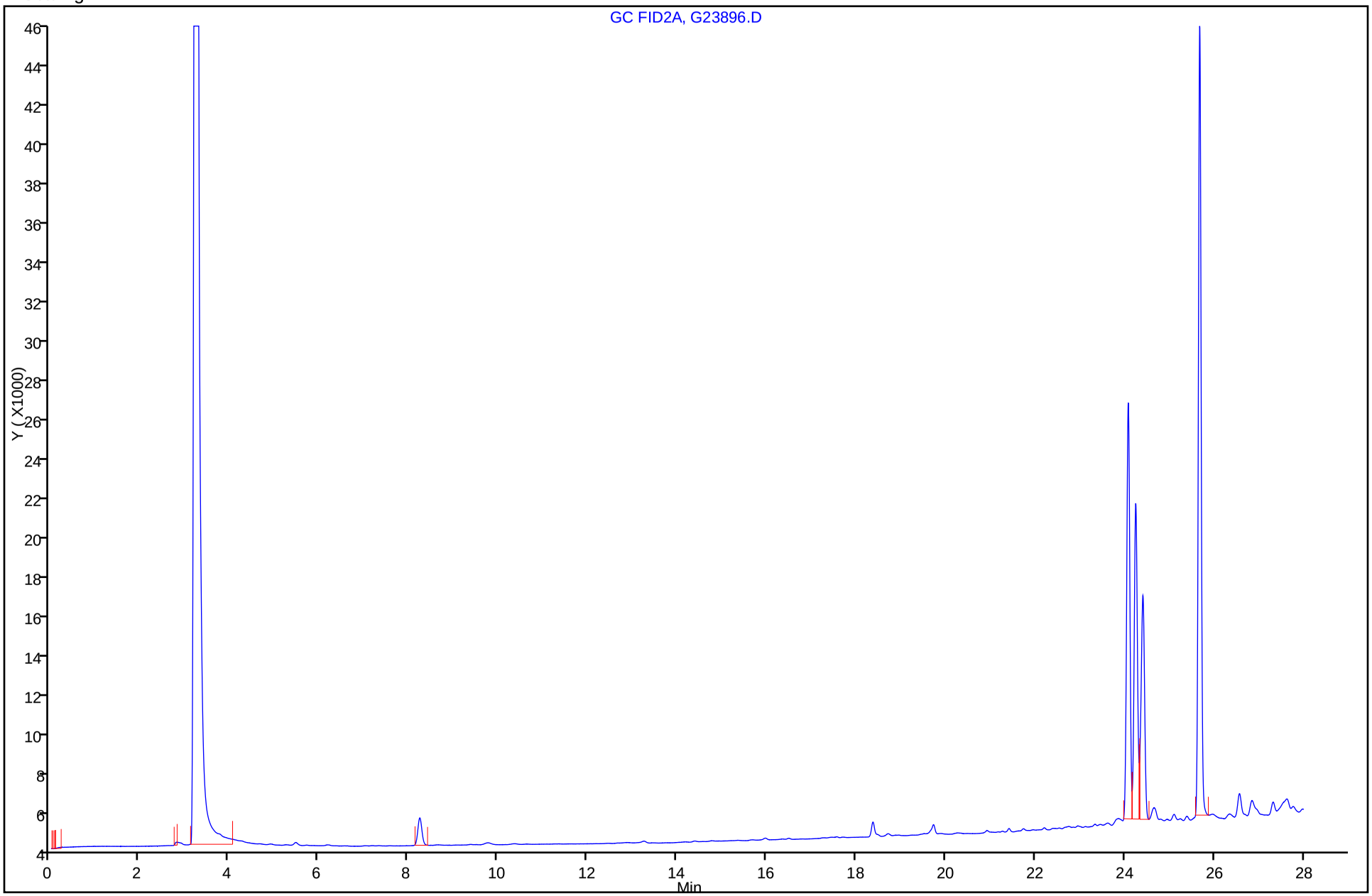
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
3 Total VPH						
1	0.170	0.187	-0.017	18	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.230	0.260	-0.030	15	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 -	15.840	94512	-4.55	
A 26 C6-C12						
2	14.305	4.660 -	23.950	409176	0	
S 25 VPH Adjustment 2						
1					4.91	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	159732	4.54	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	227207	4.91	
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.677	0.006	2430631	95.7	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	171375	88.4	

Report Date: 22-Dec-2010 08:57:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23896.D

Injection Date:	21-Dec-2010 18:06:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	8
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX Lab Sample ID: 360-31465-6

Matrix: Solid Lab File ID: G23897.D

Analysis Method: MAVPH Date Collected: 12/09/2010 15:45

Sample wt/vol: 9.67(g) Date Analyzed: 12/21/2010 18:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 24.9 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		3.3	3.3
STL00133	C9-C10 Aromatics	ND		3.3	3.3
STL00106	C9-C12 Aliphatics (adjusted)	ND		3.3	3.3
STL00360	Total VPH	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	93		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23897.D		
Lims ID:	360-31465-C-6-B	Client ID:	OC-SD-SD-SD3-XXX
Inject. Date:	21-Dec-2010 18:39:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-6		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	67516	Lims Sample ID:	9
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:57:28

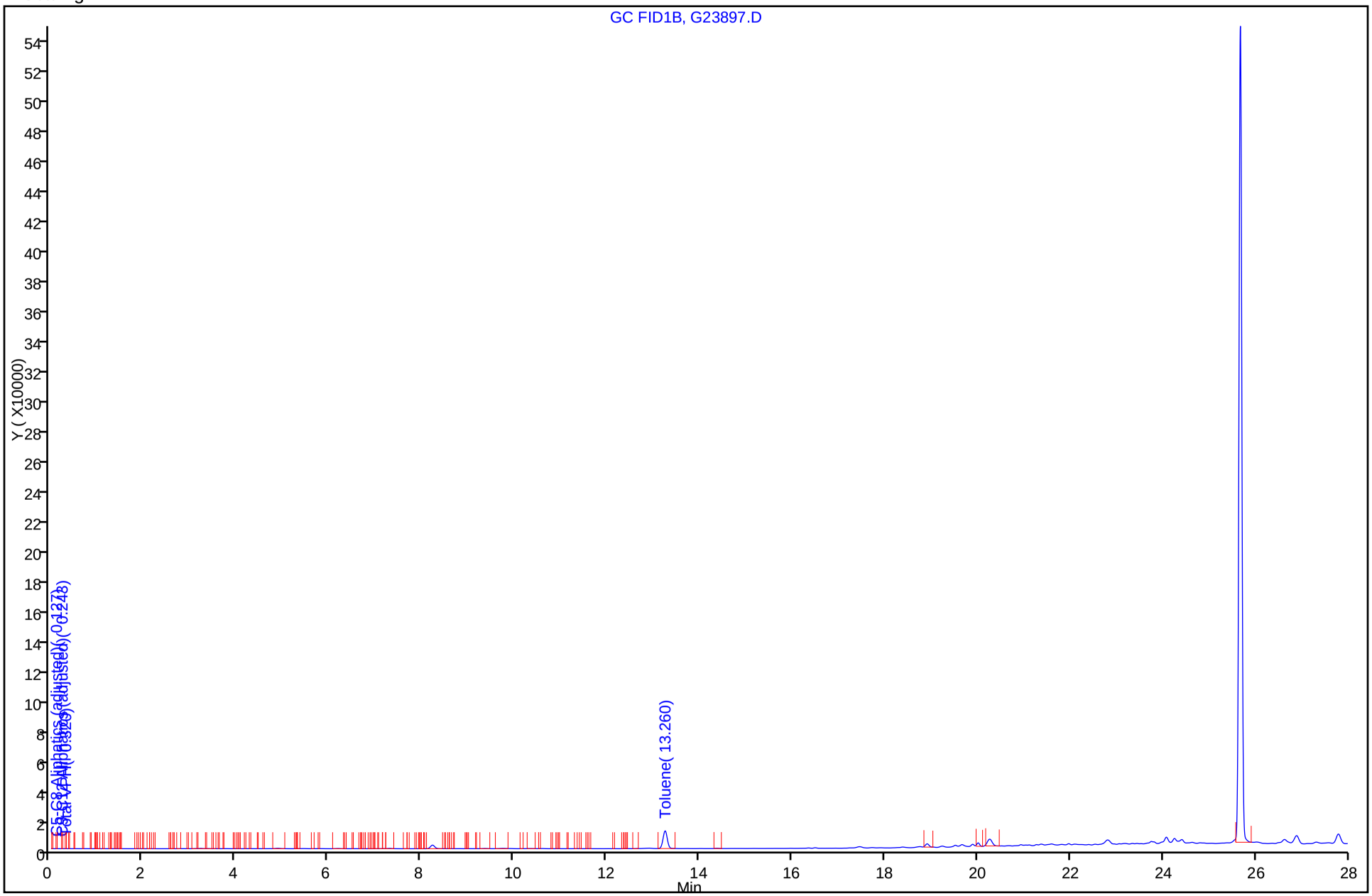
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
1 C5-C8 Aliphatics (adjusted)						
1	0.127	0.117	0.010	20	0	
3 Total VPH						
1	0.320	0.187	0.133	9	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.243	0.260	-0.017	13	0	
S 24 VPH Adjustment 1						
1					2.31	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		115637	-0.6868	
11 Toluene						
1	13.260	13.260	0.000	75922	2.31	
2	13.263	13.263	0.000	22633		
A 26 C6-C12						
2	14.305	4.660 - 23.950		563112	0	
S 25 VPH Adjustment 2						
1					23.2	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		300524	27.6	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		652580	23.2	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2353104	92.6	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.687	-0.004	167620	86.5	

Report Date: 22-Dec-2010 08:57:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23897.D

Injection Date:	21-Dec-2010 18:39:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	9
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX Lab Sample ID: 360-31465-6

Matrix: Solid Lab File ID: G23897.D

Analysis Method: MAVPH Date Collected: 12/09/2010 15:45

Sample wt/vol: 9.67(g) Date Analyzed: 12/21/2010 18:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 24.9 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		3.3	3.3
STL00191	C9-C12 Aliphatics (unadjusted)	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	87		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23897.D		
Lims ID:	360-31465-C-6-B	Client ID:	OC-SD-SD-SD3-XXX
Inject. Date:	21-Dec-2010 18:39:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-6		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	67516	Lims Sample ID:	9
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:57:28

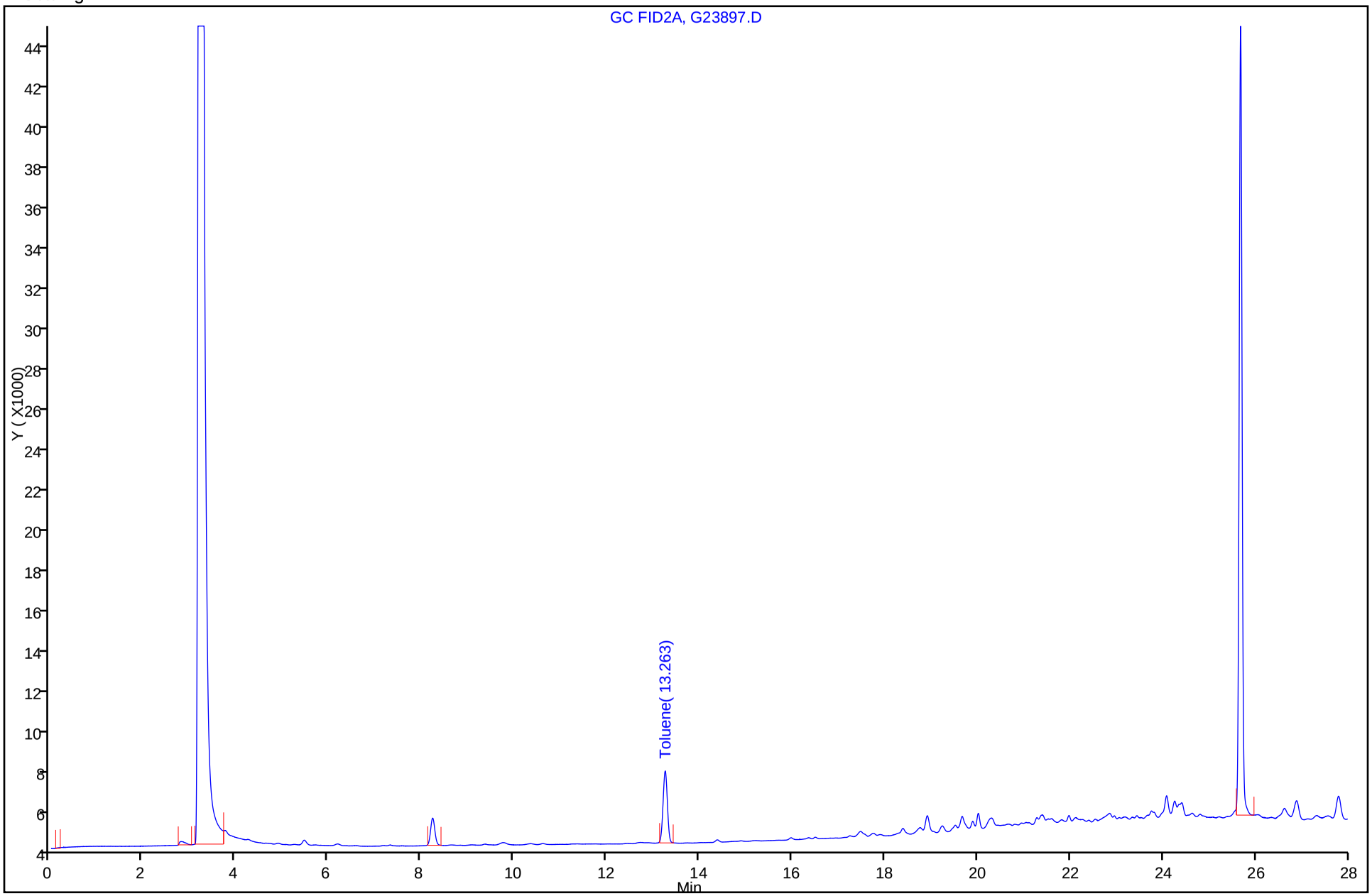
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
1 C5-C8 Aliphatics (adjusted)						
1	0.127	0.117	0.010	20	0	
3 Total VPH						
1	0.320	0.187	0.133	9	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.243	0.260	-0.017	13	0	
S 24 VPH Adjustment 1						
1					2.31	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		115637	-0.6868	
11 Toluene						
1	13.260	13.260	0.000	75922	2.31	
2	13.263	13.263	0.000	22633		
A 26 C6-C12						
2	14.305	4.660 - 23.950		563112	0	
S 25 VPH Adjustment 2						
1					23.2	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		300524	27.6	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		652580	23.2	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2353104	92.6	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.687	-0.004	167620	86.5	

Report Date: 22-Dec-2010 08:57:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23897.D

Injection Date:	21-Dec-2010 18:39:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	9
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: G23898.D

Analysis Method: MAVPH Date Collected: 12/09/2010 14:40

Sample wt/vol: 11.49(g) Date Analyzed: 12/21/2010 19:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 22.5 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		2.7	2.7
STL00133	C9-C10 Aromatics	ND		2.7	2.7
STL00106	C9-C12 Aliphatics (adjusted)	ND		2.7	2.7
STL00360	Total VPH	ND		2.7	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	95		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23898.D		
Lims ID:	360-31465-C-7-B	Client ID:	OC-SD-SDSW-E-XXX
Inject. Date:	21-Dec-2010 19:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-7		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67516	Lims Sample ID:	10
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:04

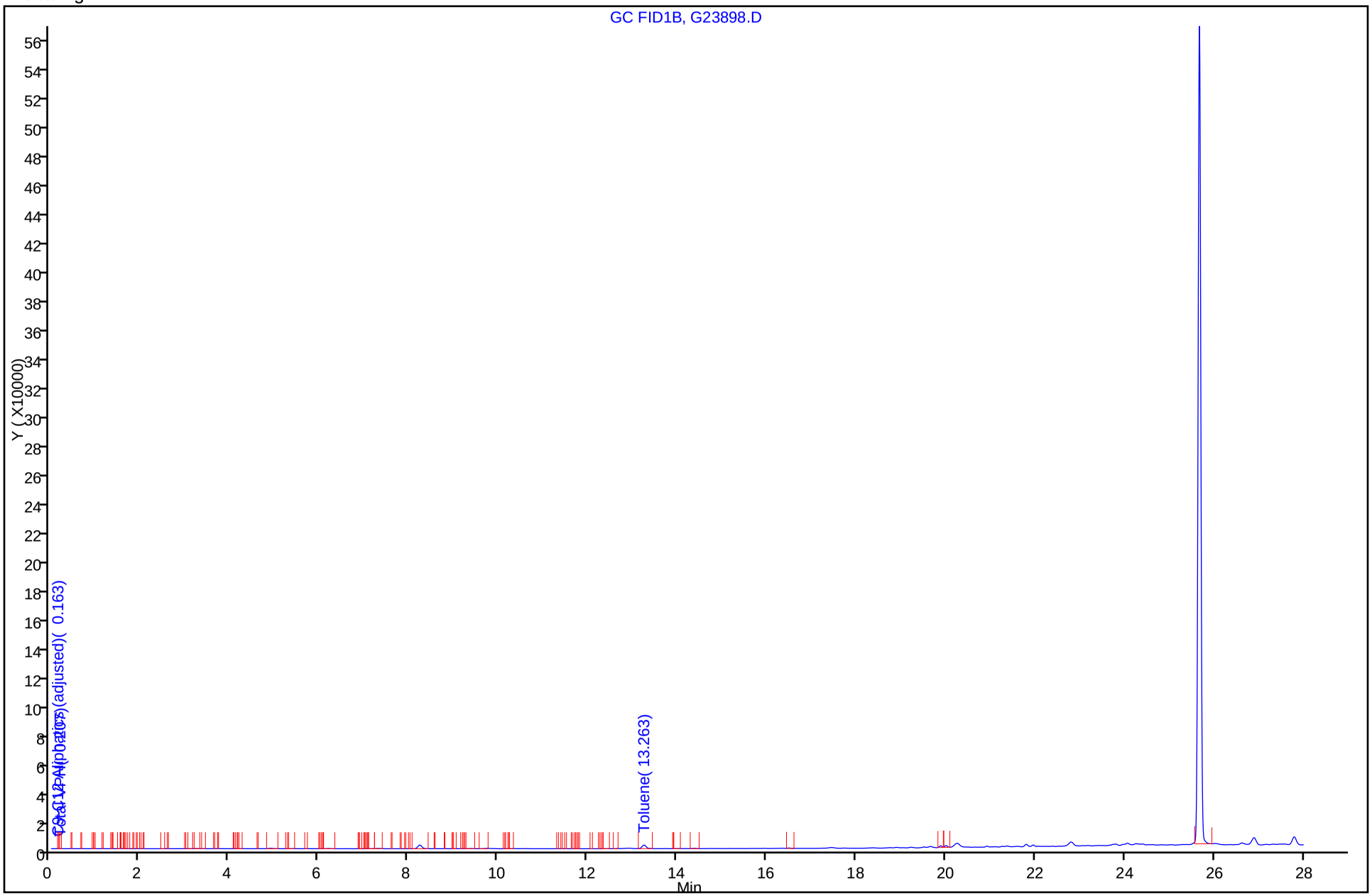
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
3 Total VPH						
1	0.207	0.187	0.020	12	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.163	0.260	-0.097	9	0	
S 24 VPH Adjustment 1						
1					-0.3778	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		100630	-3.43	
11 Toluene						
1	13.263	13.260	0.003	15551	-0.3778	
2	13.267	13.263	0.004	4714		
A 26 C6-C12						
2	14.305	4.660 - 23.950		458586	0	
S 25 VPH Adjustment 2						
1					12.2	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		202683	11.6	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		397212	12.2	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2401320	94.5	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	169592	87.5	

Report Date: 22-Dec-2010 08:59:04 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23898.D

Injection Date:	21-Dec-2010 19:12:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	10
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: G23898.D

Analysis Method: MAVPH Date Collected: 12/09/2010 14:40

Sample wt/vol: 11.49(g) Date Analyzed: 12/21/2010 19:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 22.5 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		2.7	2.7
STL00191	C9-C12 Aliphatics (unadjusted)	ND		2.7	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23898.D		
Lims ID:	360-31465-C-7-B	Client ID:	OC-SD-SDSW-E-XXX
Inject. Date:	21-Dec-2010 19:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-7		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67516	Lims Sample ID:	10
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:04

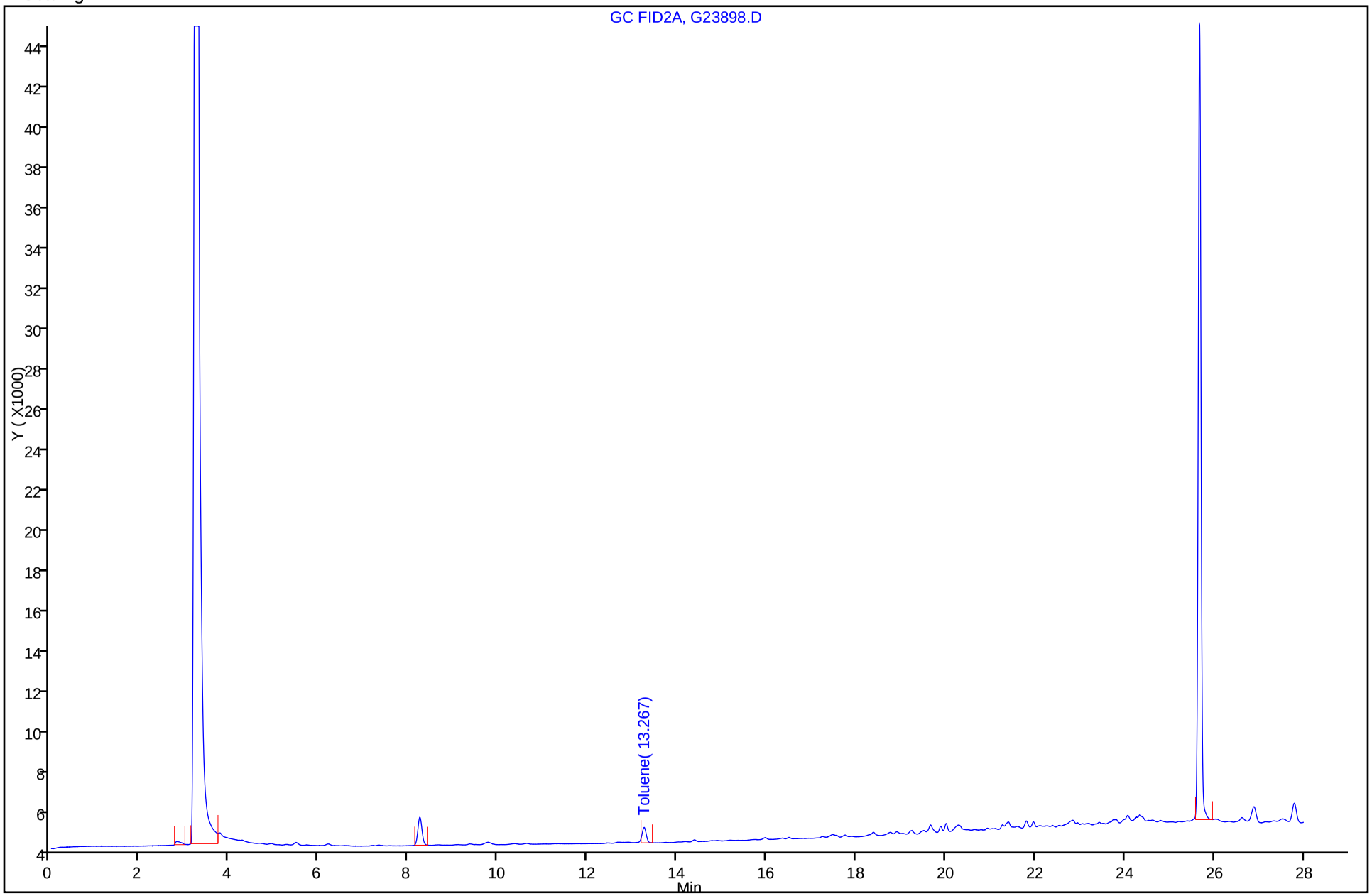
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
3 Total VPH						
1	0.207	0.187	0.020	12	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.163	0.260	-0.097	9	0	
S 24 VPH Adjustment 1						
1					-0.3778	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		100630	-3.43	
11 Toluene						
1	13.263	13.260	0.003	15551	-0.3778	
2	13.267	13.263	0.004	4714		
A 26 C6-C12						
2	14.305	4.660 - 23.950		458586	0	
S 25 VPH Adjustment 2						
1					12.2	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		202683	11.6	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		397212	12.2	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2401320	94.5	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	169592	87.5	

Report Date: 22-Dec-2010 08:59:04 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23898.D

Injection Date:	21-Dec-2010 19:12:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	10
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-064 Lab Sample ID: 360-31465-8

Matrix: Solid Lab File ID: G23899.D

Analysis Method: MAVPH Date Collected: 12/09/2010 08:45

Sample wt/vol: 10.00(g) Date Analyzed: 12/21/2010 19:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		2.4	2.4
STL00133	C9-C10 Aromatics	ND		2.4	2.4
STL00106	C9-C12 Aliphatics (adjusted)	ND		2.4	2.4
STL00360	Total VPH	ND		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23899.D		
Lims ID:	360-31465-C-8-B	Client ID:	OC-TBK-064
Inject. Date:	21-Dec-2010 19:45:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-8		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	67516	Lims Sample ID:	11
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:10

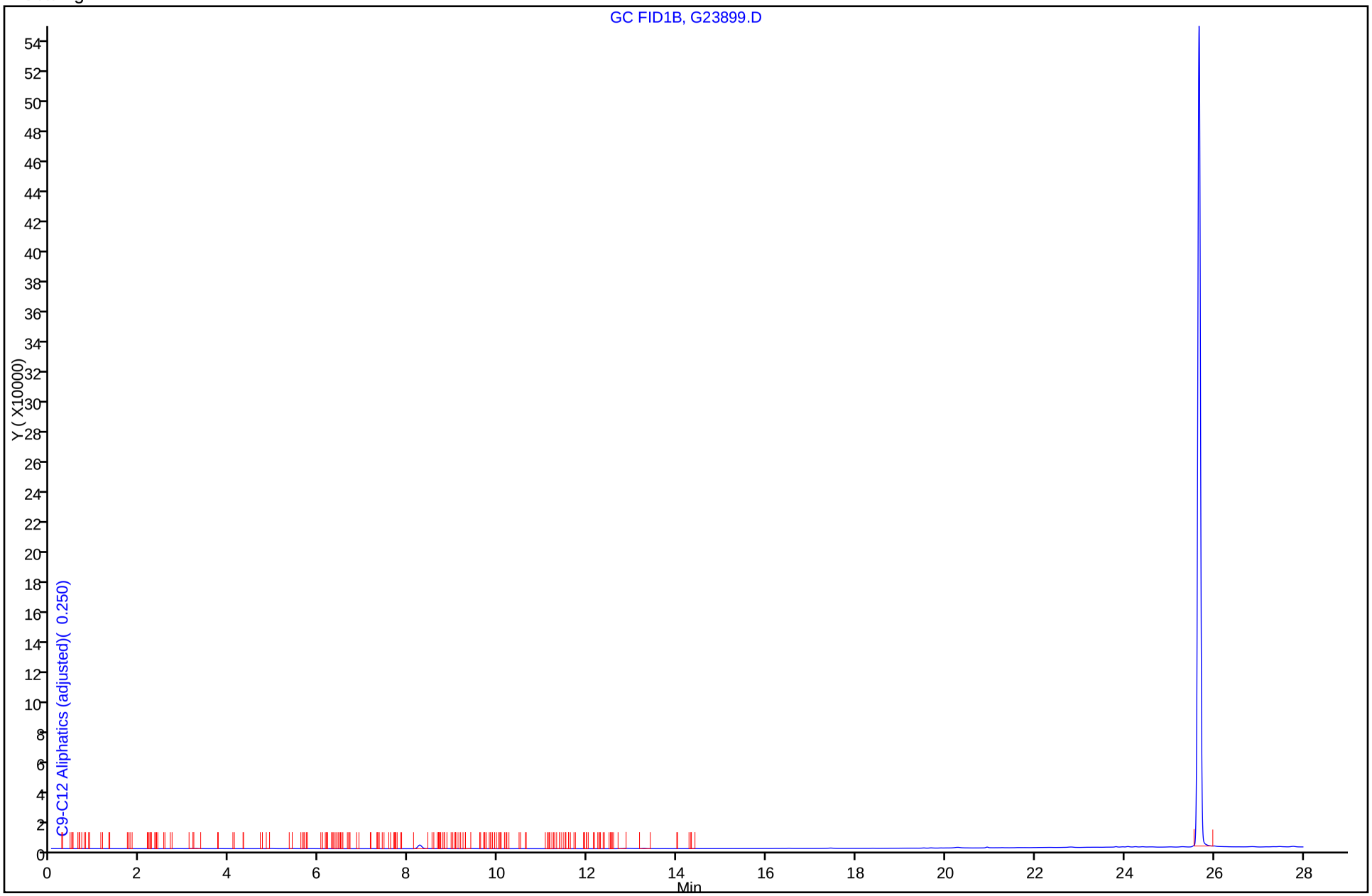
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.250	0.260	-0.010	5	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		83486	-6.57	
A 26 C6-C12						
2	14.305	4.660 - 23.950		348204	0	
S 25 VPH Adjustment 2						
1					1.58	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		129898	-0.3511	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		149613	1.58	
$ 22 2,5-Dibromotoluene (pid)						
1	25.673	25.677	-0.004	2304745	90.7	
$ 23 2,5-Dibromotoluene (fid)						
2	25.680	25.687	-0.007	162905	84.1	

Report Date: 22-Dec-2010 08:59:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23899.D

Injection Date:	21-Dec-2010 19:45:30	Limit Group:	GC MA VPH
Client ID:	OC-TBK-064	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	11
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-064 Lab Sample ID: 360-31465-8

Matrix: Solid Lab File ID: G23899.D

Analysis Method: MAVPH Date Collected: 12/09/2010 08:45

Sample wt/vol: 10.00(g) Date Analyzed: 12/21/2010 19:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		2.4	2.4
STL00191	C9-C12 Aliphatics (unadjusted)	ND		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	84		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23899.D		
Lims ID:	360-31465-C-8-B	Client ID:	OC-TBK-064
Inject. Date:	21-Dec-2010 19:45:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-8		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	67516	Lims Sample ID:	11
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:10

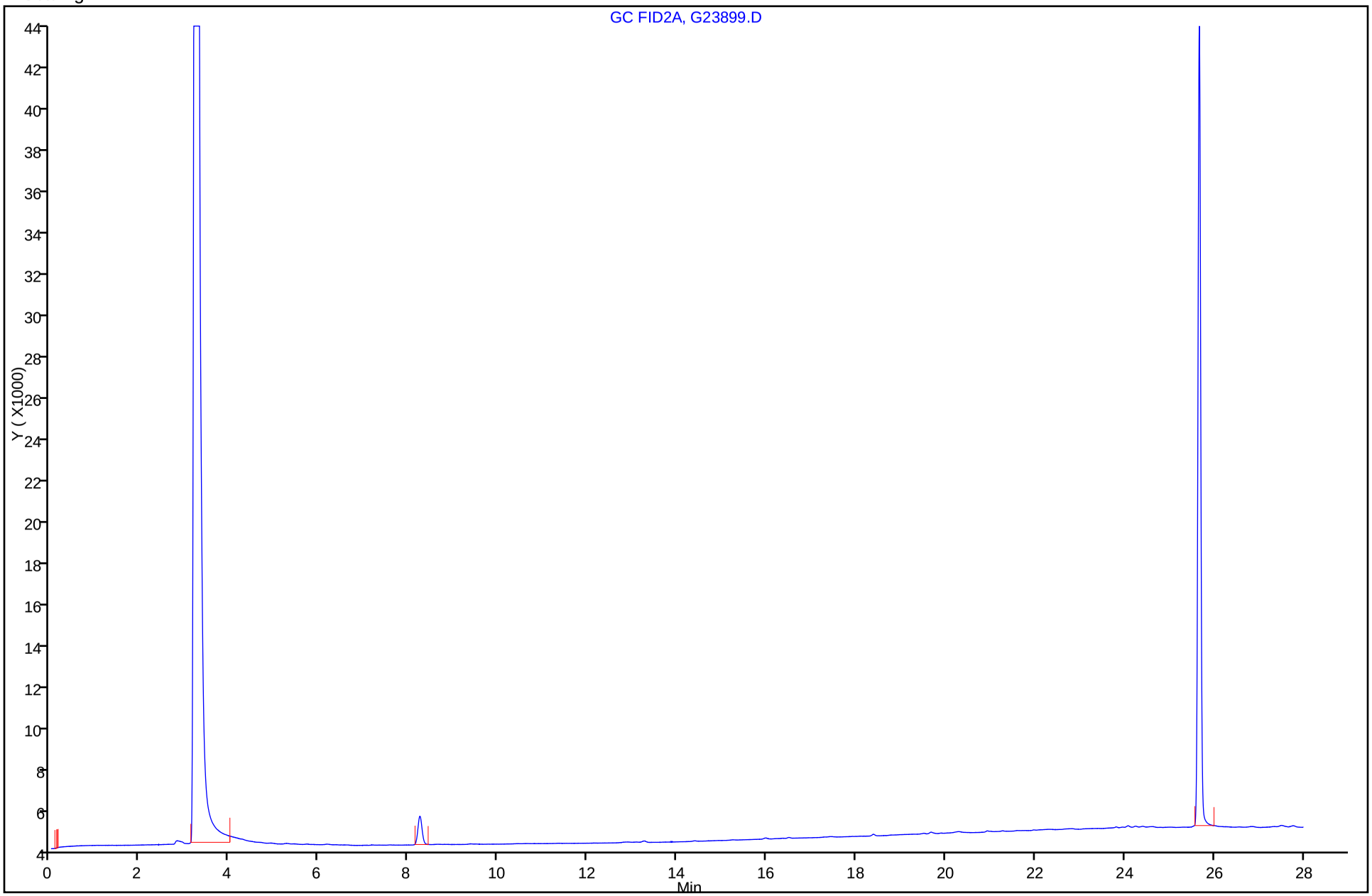
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.250	0.260	-0.010	5	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		83486	-6.57	
A 26 C6-C12						
2	14.305	4.660 - 23.950		348204	0	
S 25 VPH Adjustment 2						
1					1.58	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		129898	-0.3511	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		149613	1.58	
$ 22 2,5-Dibromotoluene (pid)						
1	25.673	25.677	-0.004	2304745	90.7	
$ 23 2,5-Dibromotoluene (fid)						
2	25.680	25.687	-0.007	162905	84.1	

Report Date: 22-Dec-2010 08:59:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23899.D

Injection Date:	21-Dec-2010 19:45:30	Limit Group:	GC MA VPH
Client ID:	OC-TBK-064	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	11
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP Lab Sample ID: 360-31465-12

Matrix: Solid Lab File ID: G23900.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 9.19(g) Date Analyzed: 12/21/2010 20:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 42.9 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		4.5	4.5
STL00133	C9-C10 Aromatics	ND		4.5	4.5
STL00106	C9-C12 Aliphatics (adjusted)	ND		4.5	4.5
STL00360	Total VPH	ND		4.5	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	95		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23900.D		
Lims ID:	360-31465-C-12-B	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	21-Dec-2010 20:18:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-12		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	67516	Lims Sample ID:	12
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:15

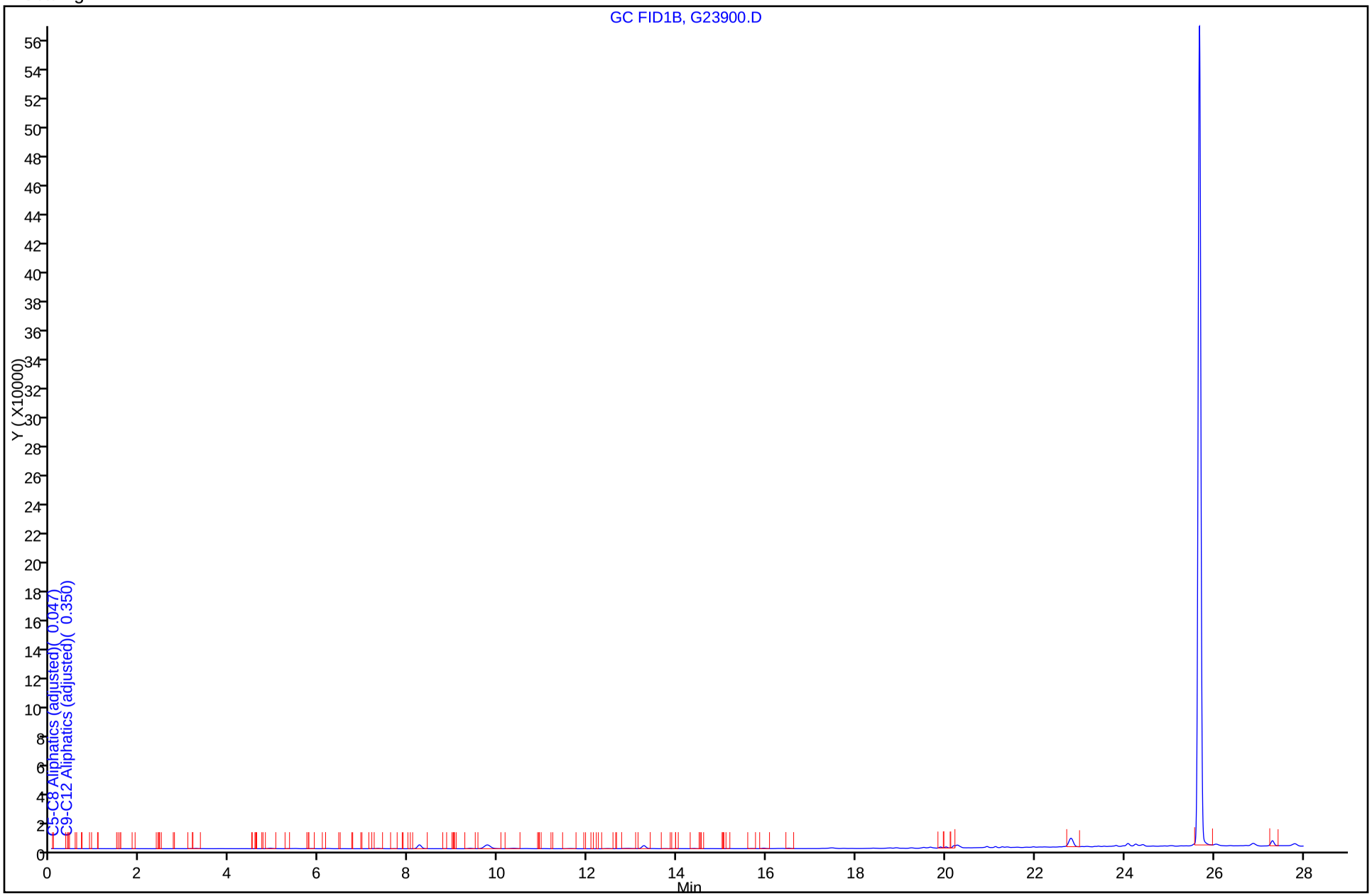
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
1 C5-C8 Aliphatics (adjusted)						
1	0.047	0.117	-0.070	6	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.350	0.260	0.090	21	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 -	15.840	117780	-0.2945	
A 26 C6-C12						
2	14.305	4.660 -	23.950	434710	0	
S 25 VPH Adjustment 2						
1					8.70	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 -	23.720	180305	7.91	
A 20 C9-C10 Aromatics						
1	20.570	17.420 -	23.720	315519	8.70	
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.677	0.006	2408832	94.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	171116	88.3	

Report Date: 22-Dec-2010 08:59:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23900.D

Injection Date:	21-Dec-2010 20:18:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	12
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP Lab Sample ID: 360-31465-12

Matrix: Solid Lab File ID: G23900.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 9.19(g) Date Analyzed: 12/21/2010 20:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 42.9 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		4.5	4.5
STL00191	C9-C12 Aliphatics (unadjusted)	ND		4.5	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23900.D		
Lims ID:	360-31465-C-12-B	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	21-Dec-2010 20:18:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-12		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	67516	Lims Sample ID:	12
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:15

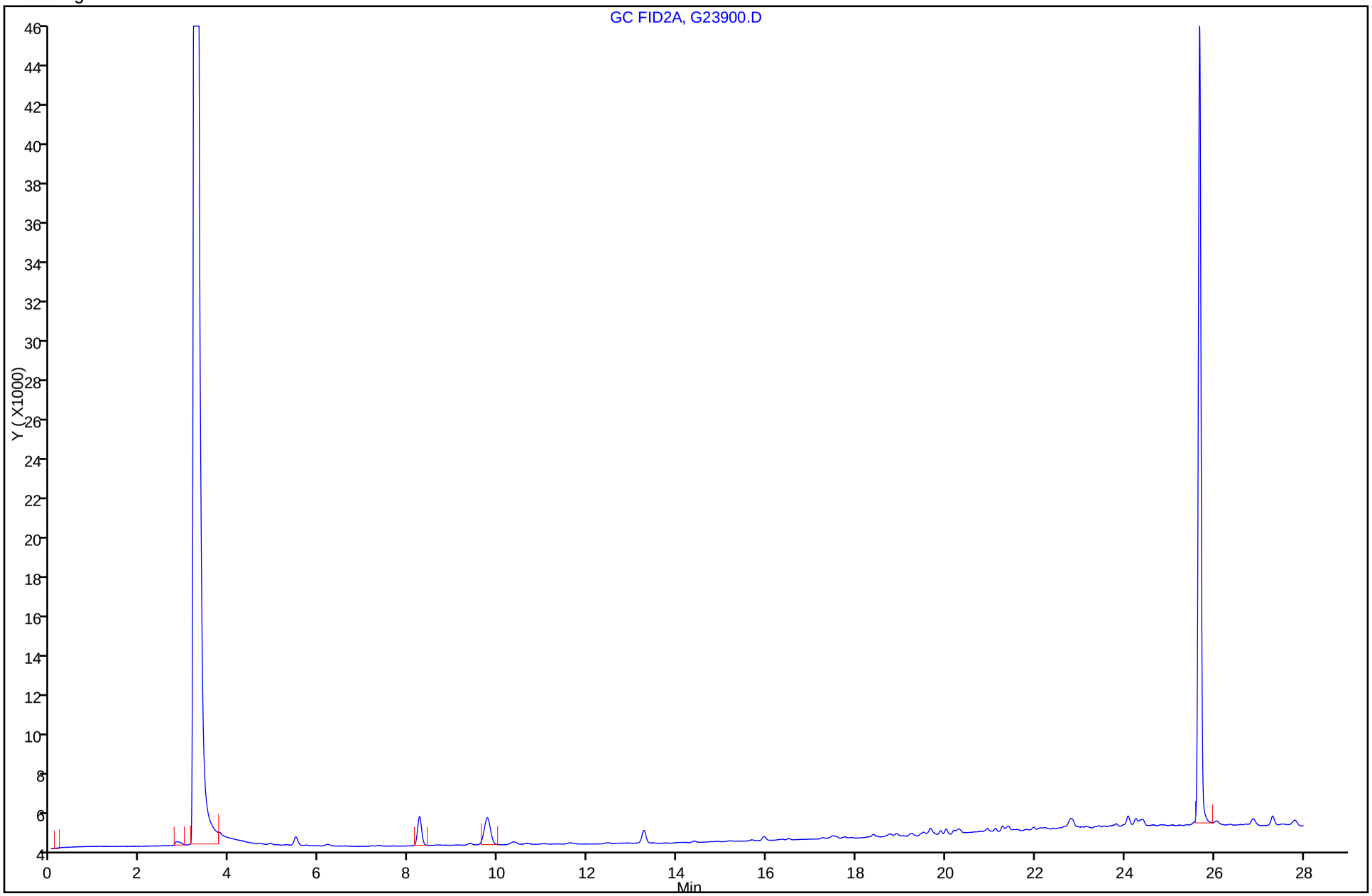
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
1 C5-C8 Aliphatics (adjusted)						
1	0.047	0.117	-0.070	6	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.350	0.260	0.090	21	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 -	15.840	117780	-0.2945	
A 26 C6-C12						
2	14.305	4.660 -	23.950	434710	0	
S 25 VPH Adjustment 2						
1					8.70	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 -	23.720	180305	7.91	
A 20 C9-C10 Aromatics						
1	20.570	17.420 -	23.720	315519	8.70	
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.677	0.006	2408832	94.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	171116	88.3	

Report Date: 22-Dec-2010 08:59:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23900.D

Injection Date:	21-Dec-2010 20:18:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	12
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX Lab Sample ID: 360-31465-13

Matrix: Solid Lab File ID: G23901.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 10.64(g) Date Analyzed: 12/21/2010 20:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 39.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		3.7	3.7
STL00133	C9-C10 Aromatics	ND		3.7	3.7
STL00106	C9-C12 Aliphatics (adjusted)	ND		3.7	3.7
STL00360	Total VPH	ND		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23901.D		
Lims ID:	360-31465-C-13-E	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	21-Dec-2010 20:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-13		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	67516	Lims Sample ID:	13
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:20

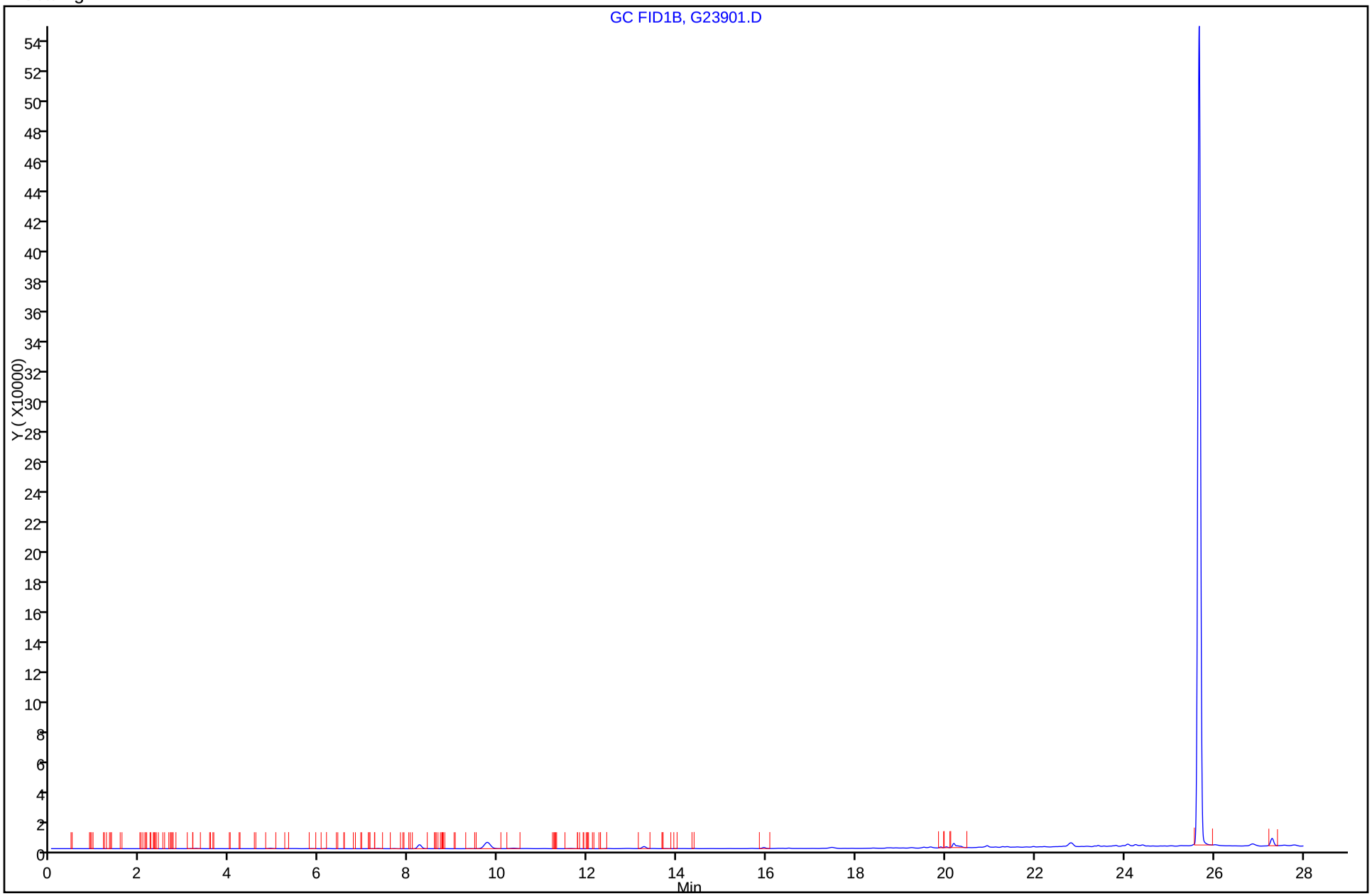
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		117783	-0.2939	
A 26 C6-C12						
2	14.305	4.660 - 23.950		437016	0	
S 25 VPH Adjustment 2						
1					8.62	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 -	23.720	182402	8.25	
A 20 C9-C10 Aromatics						
1	20.570	17.420 -	23.720	313543	8.62	
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2307342	90.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.680	25.687	-0.007	163479	84.4	

Report Date: 22-Dec-2010 08:59:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23901.D

Injection Date:	21-Dec-2010 20:51:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	13
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX Lab Sample ID: 360-31465-13

Matrix: Solid Lab File ID: G23901.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 10.64(g) Date Analyzed: 12/21/2010 20:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 39.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		3.7	3.7
STL00191	C9-C12 Aliphatics (unadjusted)	ND		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	84		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23901.D		
Lims ID:	360-31465-C-13-E	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	21-Dec-2010 20:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-13		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	67516	Lims Sample ID:	13
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:20

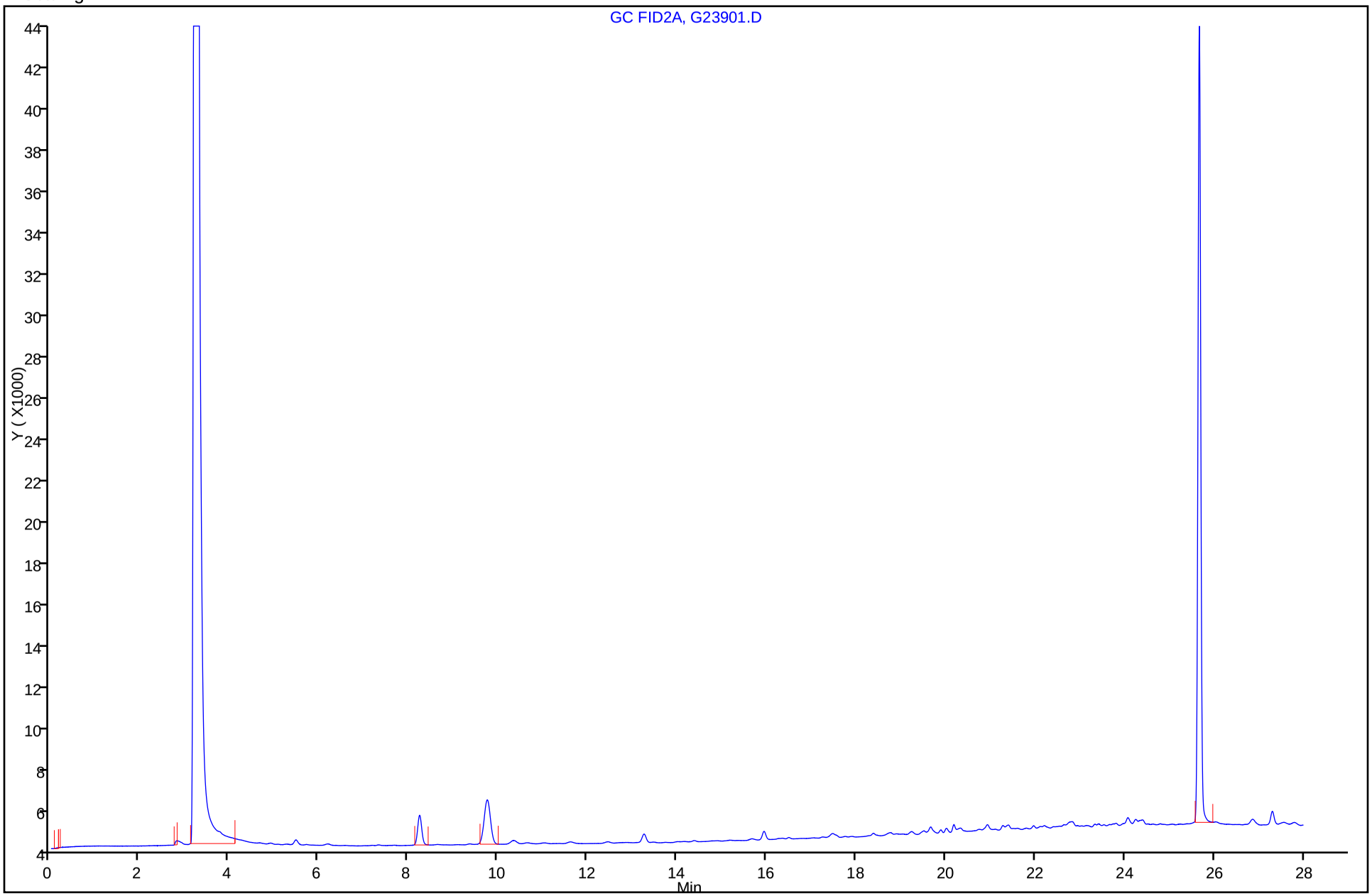
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		117783	-0.2939	
A 26 C6-C12						
2	14.305	4.660 - 23.950		437016	0	
S 25 VPH Adjustment 2						
1					8.62	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 -	23.720	182402	8.25	
A 20 C9-C10 Aromatics						
1	20.570	17.420 -	23.720	313543	8.62	
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2307342	90.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.680	25.687	-0.007	163479	84.4	

Report Date: 22-Dec-2010 08:59:21 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23901.D

Injection Date:	21-Dec-2010 20:51:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	13
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-066 Lab Sample ID: 360-31465-14

Matrix: Solid Lab File ID: G23902.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 10.00(g) Date Analyzed: 12/21/2010 21:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		2.4	2.4
STL00133	C9-C10 Aromatics	ND		2.4	2.4
STL00106	C9-C12 Aliphatics (adjusted)	ND		2.4	2.4
STL00360	Total VPH	ND		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	92		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23902.D		
Lims ID:	360-31465-C-14-B	Client ID:	OC-TBK-066
Inject. Date:	21-Dec-2010 21:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-14		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	67516	Lims Sample ID:	14
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:26

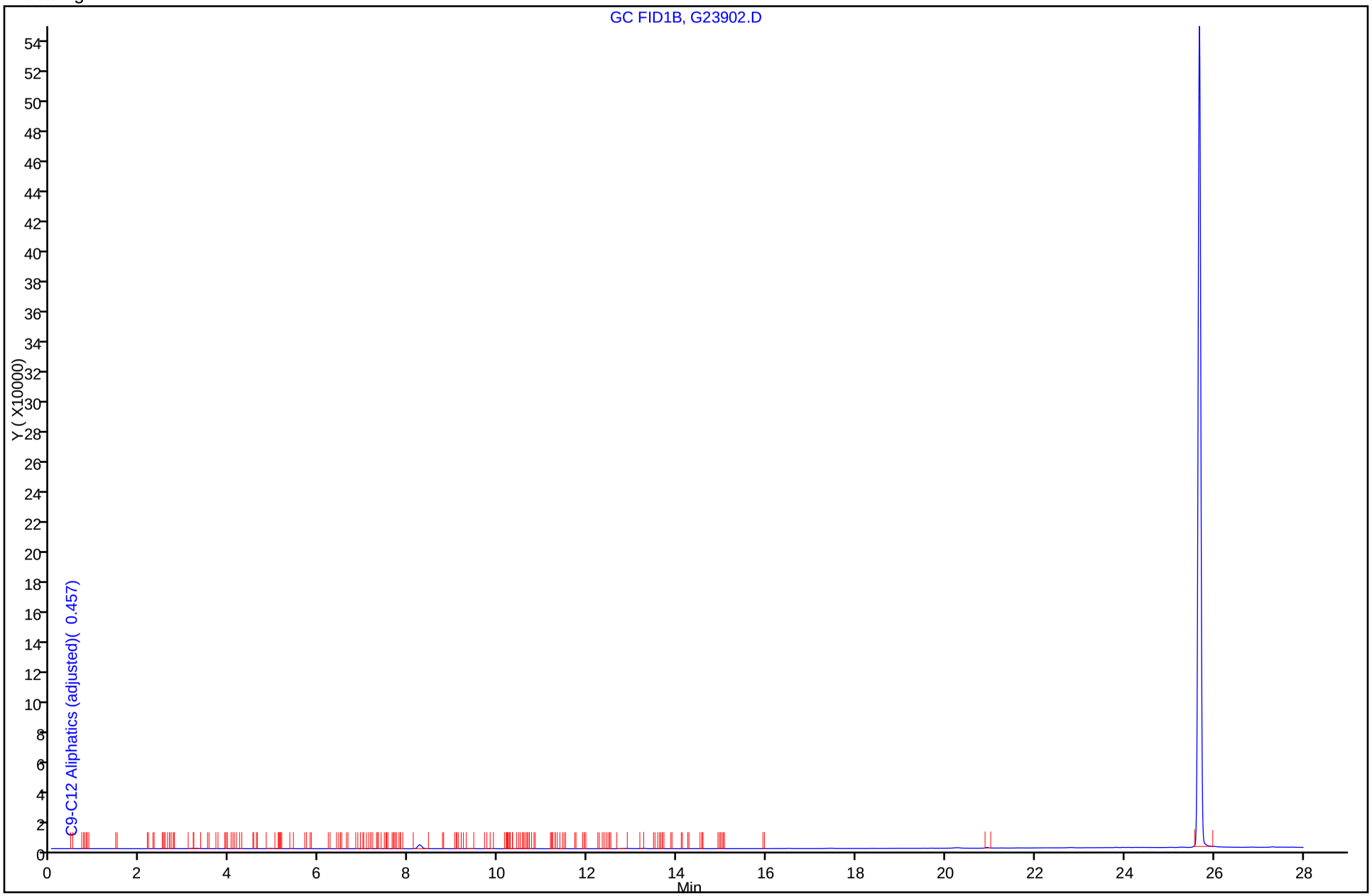
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.457	0.260	0.197	15	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		79645	-7.28	
A 26 C6-C12						
2	14.305	4.660 - 23.950		320903	0	
S 25 VPH Adjustment 2						
1					-0.2036	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		119193	-2.10	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		107919	-0.2036	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2335563	92.0	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	165696	85.5	

Report Date: 22-Dec-2010 08:59:26 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23902.D

Injection Date:	21-Dec-2010 21:25:30	Limit Group:	GC MA VPH
Client ID:	OC-TBK-066	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	14
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-TBK-066 Lab Sample ID: 360-31465-14

Matrix: Solid Lab File ID: G23902.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 10.00(g) Date Analyzed: 12/21/2010 21:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		2.4	2.4
STL00191	C9-C12 Aliphatics (unadjusted)	ND		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	86		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23902.D		
Lims ID:	360-31465-C-14-B	Client ID:	OC-TBK-066
Inject. Date:	21-Dec-2010 21:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-C-14		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	67516	Lims Sample ID:	14
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:26

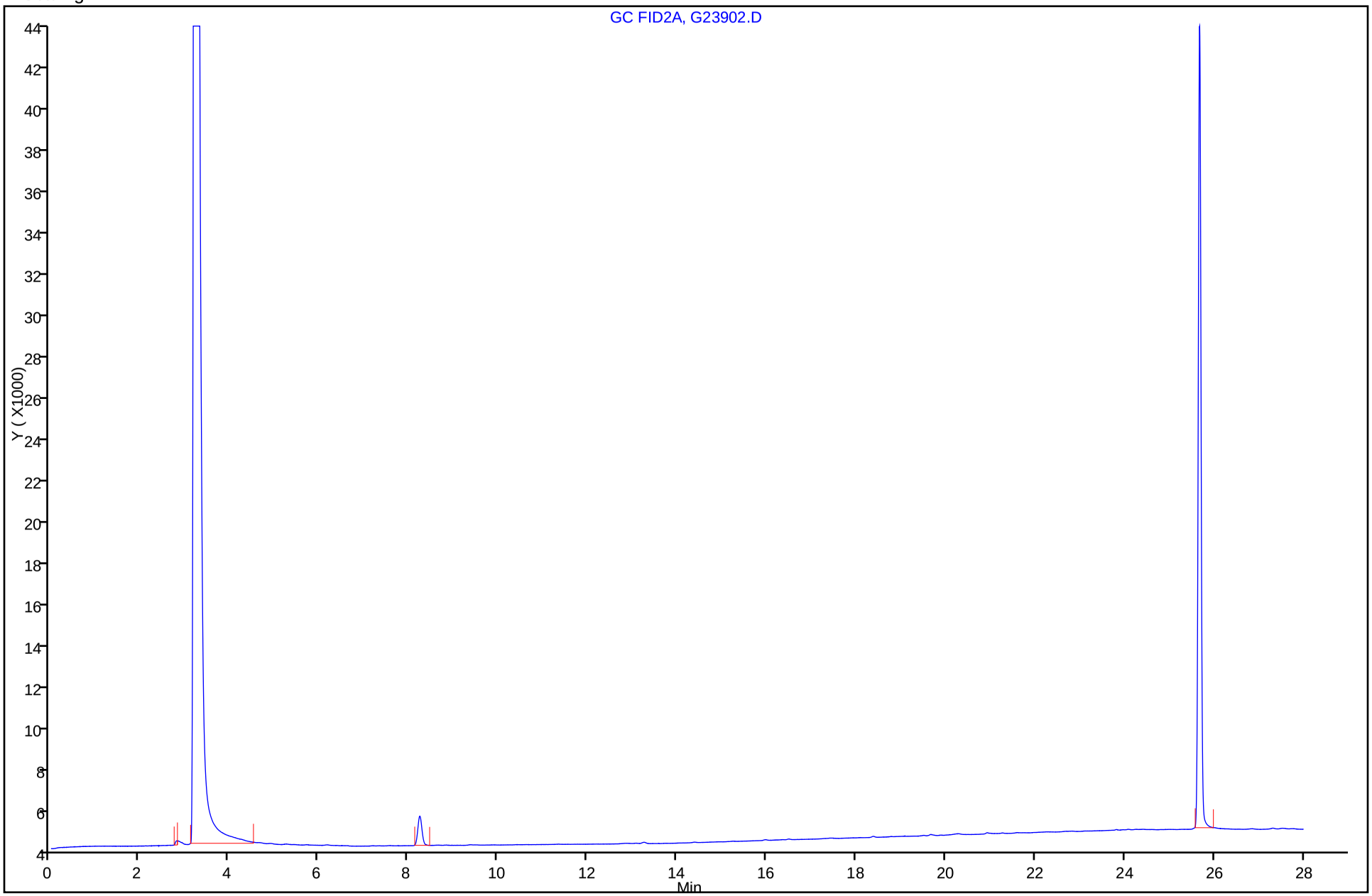
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.457	0.260	0.197	15	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		79645	-7.28	
A 26 C6-C12						
2	14.305	4.660 - 23.950		320903	0	
S 25 VPH Adjustment 2						
1					-0.2036	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		119193	-2.10	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		107919	-0.2036	
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2335563	92.0	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	165696	85.5	

Report Date: 22-Dec-2010 08:59:26 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23902.D

Injection Date:	21-Dec-2010 21:25:30	Limit Group:	GC MA VPH
Client ID:	OC-TBK-066	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	14
Operator ID:	CR		

Y Scaling:



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 63348

SDG No.: 360-31465-1

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2010 13:01 Calibration End Date: 09/20/2010 16:52 Calibration ID: 9623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-63348/4	G22803.D
Level 2	STD1 360-63348/5	G22804.D
Level 3	STD2 360-63348/6	G22805.D
Level 4	STD5 360-63348/7	G22806.D
Level 5	STD25 360-63348/8	G22807.D
Level 6	STD100 360-63348/9	G22808.D
Level 7	STD200 360-63348/10	G22809.D
Level 8	STD400 360-63348/11	G22810.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Methyl tert-butyl ether	5.787	5.787	5.780	5.773	5.790	5.777	5.787	5.787			5.587 - 5.987	5.784
Benzene	9.340	9.340	9.343	9.340	9.350	9.343	9.347	9.343			9.143 - 9.543	9.343
Toluene	13.253	13.257	13.257	13.253	13.257	13.260	13.257	13.257			13.057 - 13.457	13.256
Ethylbenzene	16.357	16.360	16.360	16.360	16.360	16.363	16.360	16.367			16.167 - 16.567	16.361
m-Xylene & p-Xylene	16.497	16.503	16.500	16.500	16.503	16.507	16.503	16.510			16.310 - 16.710	16.503
o-Xylene	17.297	17.303	17.300	17.300	17.303	17.303	17.300	17.303			17.103 - 17.503	17.301
C9-C10 Aromatics	20.570	20.570	20.570	20.570	20.570	20.570	20.570	20.570			17.420 - 23.720	20.570
Naphthalene	23.823	23.820	23.823	23.820	23.823	23.823	23.820	23.823			23.623 - 24.023	23.822
2,5-Dibromotoluene (pid)	25.687	25.683	25.683	25.683	25.690	25.687	25.687	+++++			25.483 - 25.883	25.685

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 63348

SDG No.: 360-31465-1

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2010 13:01 Calibration End Date: 09/20/2010 16:52 Calibration ID: 9623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-63348/4	G22803.D
Level 2	STD1 360-63348/5	G22804.D
Level 3	STD2 360-63348/6	G22805.D
Level 4	STD5 360-63348/7	G22806.D
Level 5	STD25 360-63348/8	G22807.D
Level 6	STD100 360-63348/9	G22808.D
Level 7	STD200 360-63348/10	G22809.D
Level 8	STD400 360-63348/11	G22810.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 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Methyl tert-butyl ether	12578 10653	20095 10247	14859 9903.9	12230 9944.3	Lin1	5640.26755	9985.21643							0.9990		0.9900
Benzene	29064 24889	46758 24376	34454 23641	28645 23265	Lin1	12775.5355	23545.7339							0.9990		0.9900
Toluene	51808 24259	58894 23523	35456 22685	28801 22160	Lin1	24036.1419	22459.3445							0.9990		0.9900
Ethylbenzene	24214 23229	41042 22420	30651 21715	25532 21003	Lin1	10456.5945	21445.0126							0.9980		0.9900
m-Xylene & p-Xylene	29689 27070	47936 25622	36096 23365	30153 21519	Qua	57092.4498	25622.7855	-5.2508381						1.0000		0.9900
o-Xylene	28084 23900	43639 22537	32385 21164	27123 19893	Qua	24173.5622	22592.3311	-6.9349562						1.0000		0.9900
C9-C10 Aromatics	241508 29673	140541 26189	68185 24380	45304 22795	Lin1	112664.988	23312.8503							0.9980		0.9900
Naphthalene	28100 25781	44864 24487	32950 23278	27508 22034	Qua	19903.6991	24644.0519	-6.6779664						1.0000		0.9900
2,5-Dibromotoluene (pid)	25414 25715	25719 25336	25410 24747	25451 +++++	Ave		25399.0186				1.3		25.0			

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

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 63348

SDG No.: 360-31465-1

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2010 13:01 Calibration End Date: 09/20/2010 16:52 Calibration ID: 9623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-63348/4	G22803.D
Level 2	STD1 360-63348/5	G22804.D
Level 3	STD2 360-63348/6	G22805.D
Level 4	STD5 360-63348/7	G22806.D
Level 5	STD25 360-63348/8	G22807.D
Level 6	STD100 360-63348/9	G22808.D
Level 7	STD200 360-63348/10	G22809.D
Level 8	STD400 360-63348/11	G22810.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl tert-butyl ether	Lin1	6289 1024749	20095 1980779	37148 3977738	61151	266322	0.500 100	1.00 200	2.50 400	5.00	25.0
Benzene	Lin1	14532 2437639	46758 4728163	86136 9306107	143225	622213	0.500 100	1.00 200	2.50 400	5.00	25.0
Toluene	Lin1	25904 2352346	58894 4537078	88640 8864102	144003	606481	0.500 100	1.00 200	2.50 400	5.00	25.0
Ethylbenzene	Lin1	12107 2241973	41042 4342913	76627 8401248	127660	580722	0.500 100	1.00 200	2.50 400	5.00	25.0
m-Xylene & p-Xylene	Qua	29689 5124310	95872 9345962	180479 17215160	301527	1353476	1.00 200	2.00 400	5.00 800	10.0	50.0
o-Xylene	Qua	14042 2253685	43639 4232707	80963 7957120	135615	597488	0.500 100	1.00 200	2.50 400	5.00	25.0
C9-C10 Aromatics	Lin1	120754 2618894	140541 4876078	170463 9117883	226520	741819	0.500 100	1.00 200	2.50 400	5.00	25.0
Naphthalene	Qua	14050 2448720	44864 4655558	82375 8813561	137539	644533	0.500 100	1.00 200	2.50 400	5.00	25.0
2,5-Dibromotoluene (pid)	Ave	2541404 2533628	2571937 2474690	2541024 +++++	2545136	2571494	100 100	100 100	100 +++++	100	100

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc
Qua = Quadratic

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Lims ID: STD05 Client ID:
Inject. Date: 20-Sep-2010 13:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD05
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 63348 Lims Sample ID: 4
Sublist: chrom-WESVPHG*sub9
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m
Last Update: 21-Sep-2010 10:33:15 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 21-Sep-2010 10:28:38

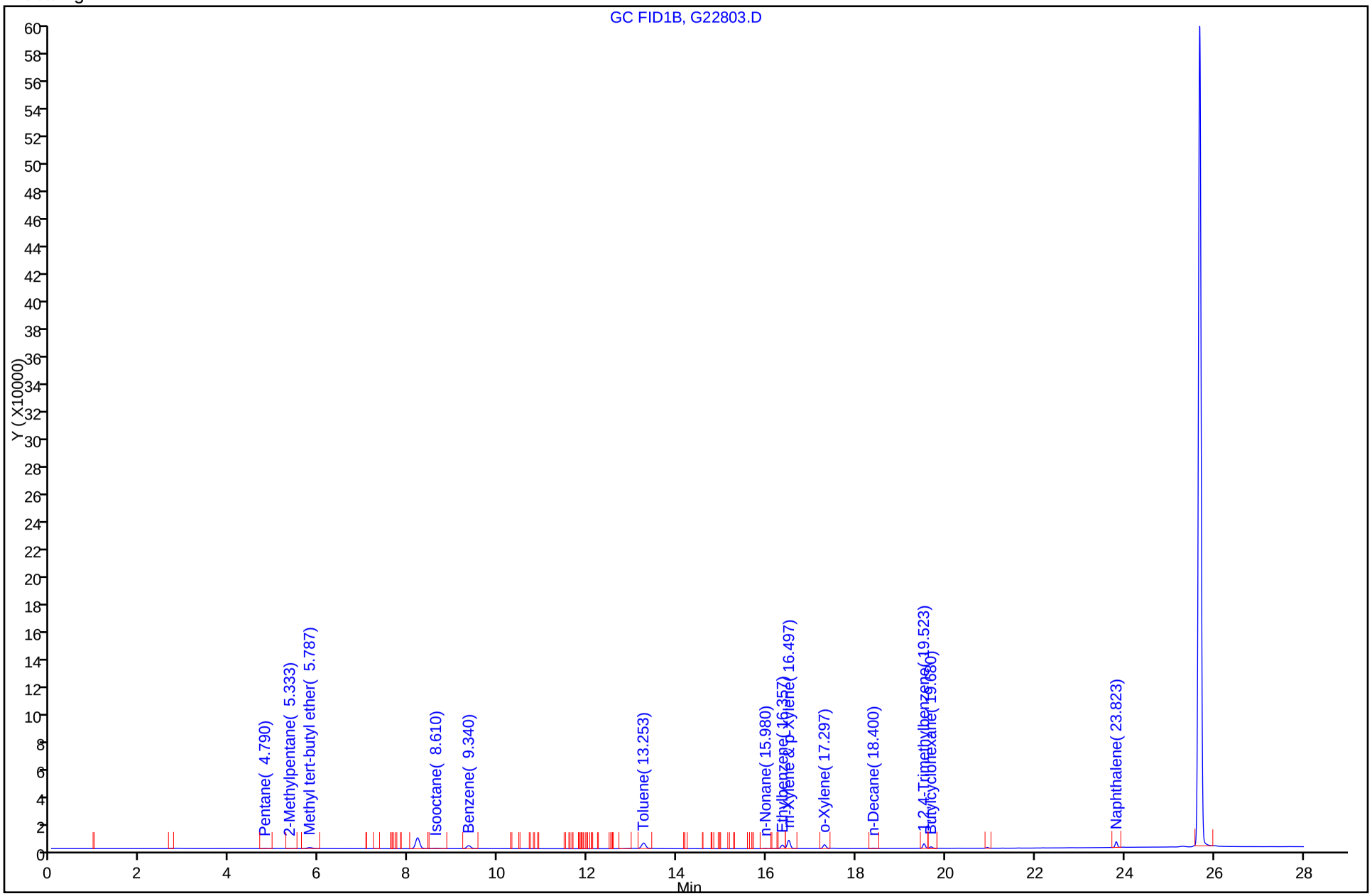
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						M
2	4.160	4.190	-0.030	2330	0.0803	M
1	4.790	4.187	0.603	716		M
6 2-Methylpentane						M
1	5.333	5.333	0.000	341		M
2	5.343	5.343	0.000	2322	0.5000	M
7 Methyl tert-butyl ether						M
1	5.787	5.787	0.000	6289	0.0650	M
2	5.793	5.790	0.003	2009		M
S 24 VPH Adjustment 1						
1					0.2227	
8 Isooctane						M
1	8.610	8.610	0.000	1508		M
2	8.610	8.610	0.000	2385	0.5000	M
9 Benzene						
1	9.340	9.343	-0.003	14532	0.0746	
2	9.343	9.350	-0.007	3633		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		126012	1.21	
11 Toluene						M
1	13.253	13.257	-0.004	25904	0.0832	
2	13.253	13.260	-0.007	7119		M
A 26 C6-C12						
2	14.305	4.660 - 23.950		422150	0	
S 25 VPH Adjustment 2						
1					-1.09	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						M
1	15.980	15.980	0.000	941		M
2	15.980	15.980	0.000	1955	0.5000	M
14 Ethylbenzene						M
1	16.357	16.367	-0.010	12107	0.0770	
2	16.357	16.370	-0.013	3568		M
15 m-Xylene & p-Xylene						
1	16.497	16.510	-0.013	29689	-1.07	
2	16.503	16.517	-0.014	6831		
16 o-Xylene						M
1	17.297	17.303	-0.006	14042	-0.4484	
2	17.300	17.307	-0.007	3574		M
17 n-Decane						M
1	18.400	18.400	0.000	1280		M
2	18.397	18.397	0.000	1880	0.5000	M
18 1,2,4-Trimethylbenzene						M
1	19.523	19.530	-0.007	13600		
2	19.527	19.533	-0.006	3219	0.2468	M
19 Butylcyclohexane						M
1	19.680	19.680	0.000	5158		
2	19.687	19.687	0.000	2070	0.5000	M
A 2 C9-C12 Aliphatics						
2	19.803	15.857	-23.723	150396	3.01	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	120754	0.3470	
21 Naphthalene						M
1	23.823	23.823	0.000	14050	-0.2375	M
2	23.823	23.830	-0.007	2096		M
$ 22 2,5-Dibromotoluene (pid)						
1	25.687	25.683	0.004	2541404	100.1	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	191142	98.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2010 10:33:15 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Injection Date: 20-Sep-2010 13:01:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 4
Operator ID: CR
Y Scaling:



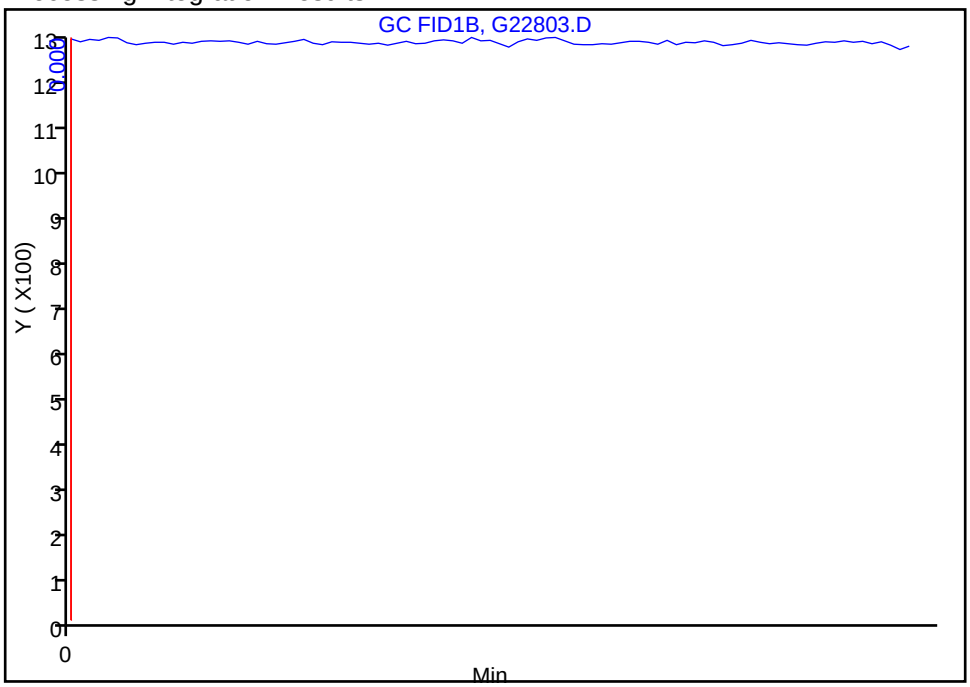
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Injection Date: 20-Sep-2010 13:01:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 4
Operator ID: CR

21 Naphthalene, Signal: 1, Type: quant, RT: 23.82, Det: GC FID1B

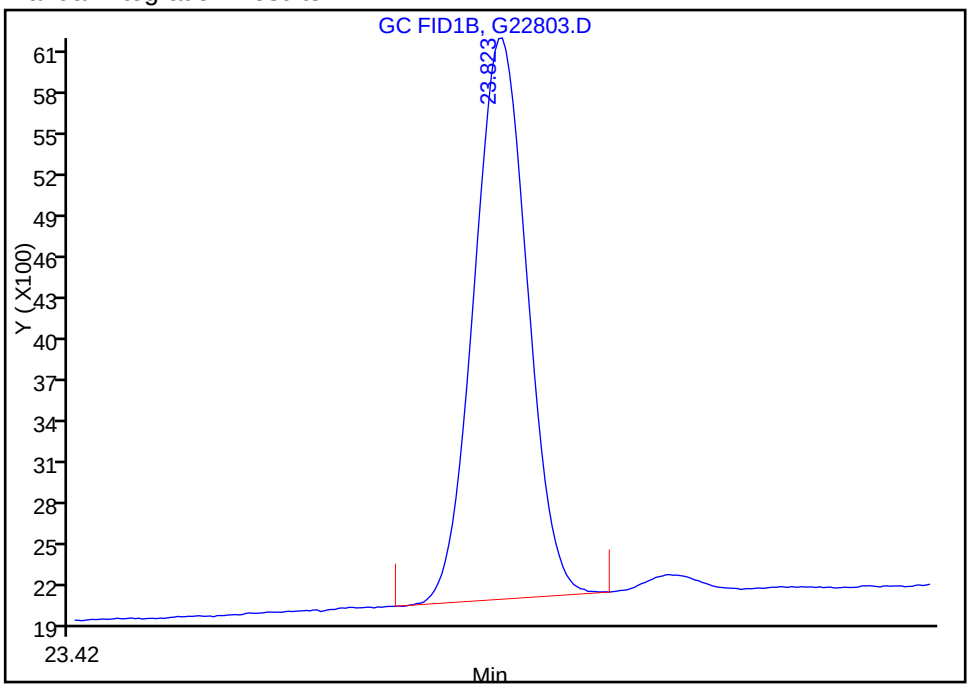
Processing Integration Results

RT: 0.00
Response: 0
Amount: 0



Manual Integration Results

RT: 23.82
Response: 14050
Amount: -0.237515



Reviewer: rouleauc, 21-Sep-2010 10:22:13
Audit Action: Manually Integrated
Audit Reason: Peak not integrated

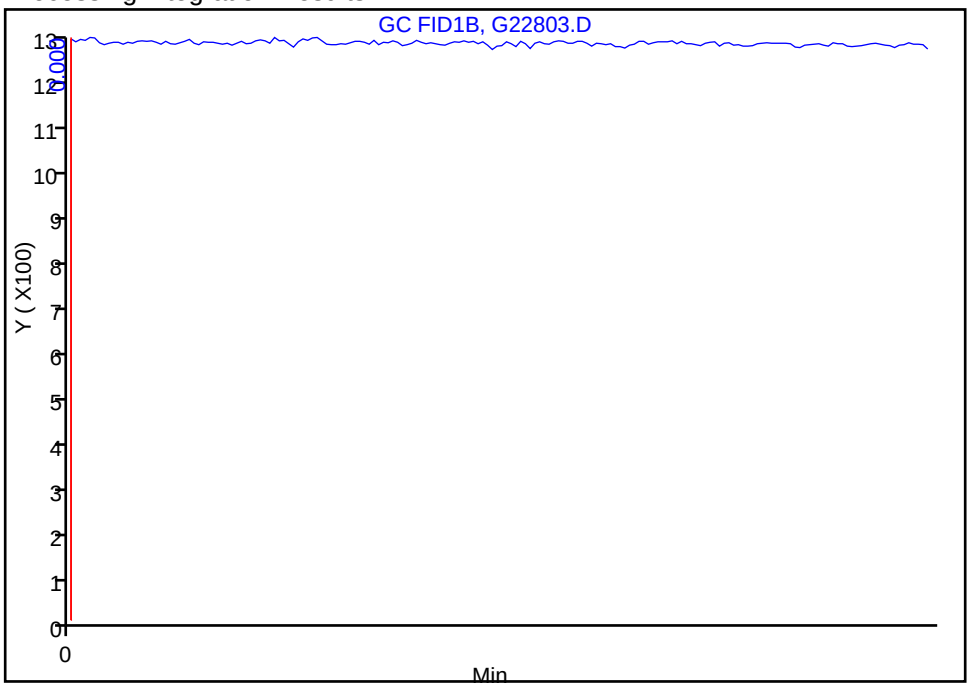
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Injection Date: 20-Sep-2010 13:01:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 4
Operator ID: CR

7 Methyl tert-butyl ether, Signal: 1, Type: quant, RT: 5.79, Det: GC FID1B

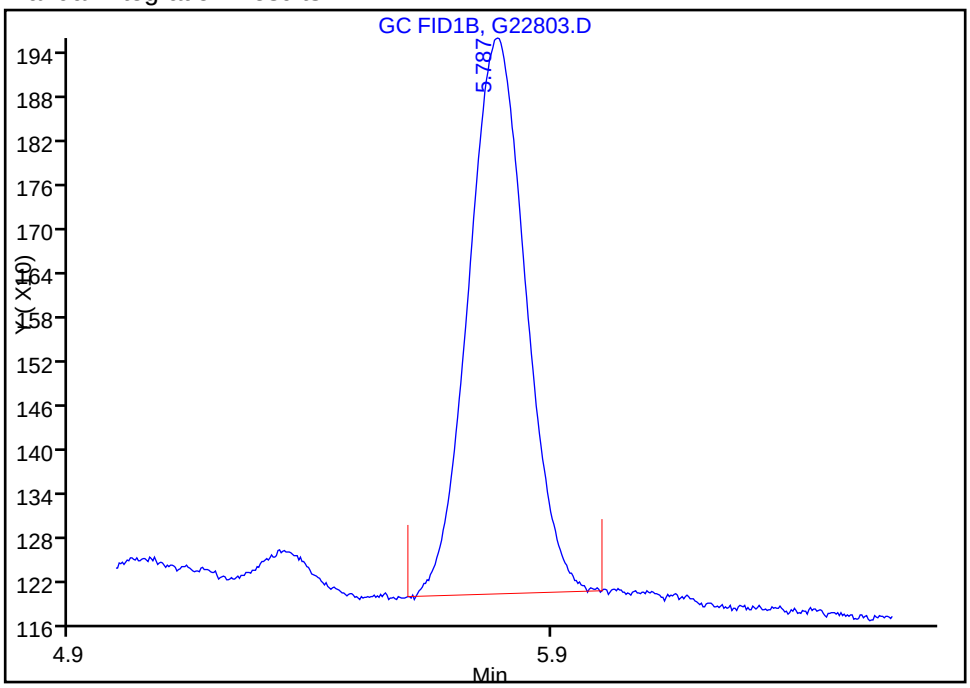
Processing Integration Results

RT: 0.00
Response: 0
Amount: 0



Manual Integration Results

RT: 5.79
Response: 6289
Amount: 0.064969



Reviewer: rouleauc, 21-Sep-2010 10:22:13
Audit Action: Manually Integrated
Audit Reason: Peak not integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22804.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	20-Sep-2010 13:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD1		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	63348	Lims Sample ID:	5
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:14	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:16:35

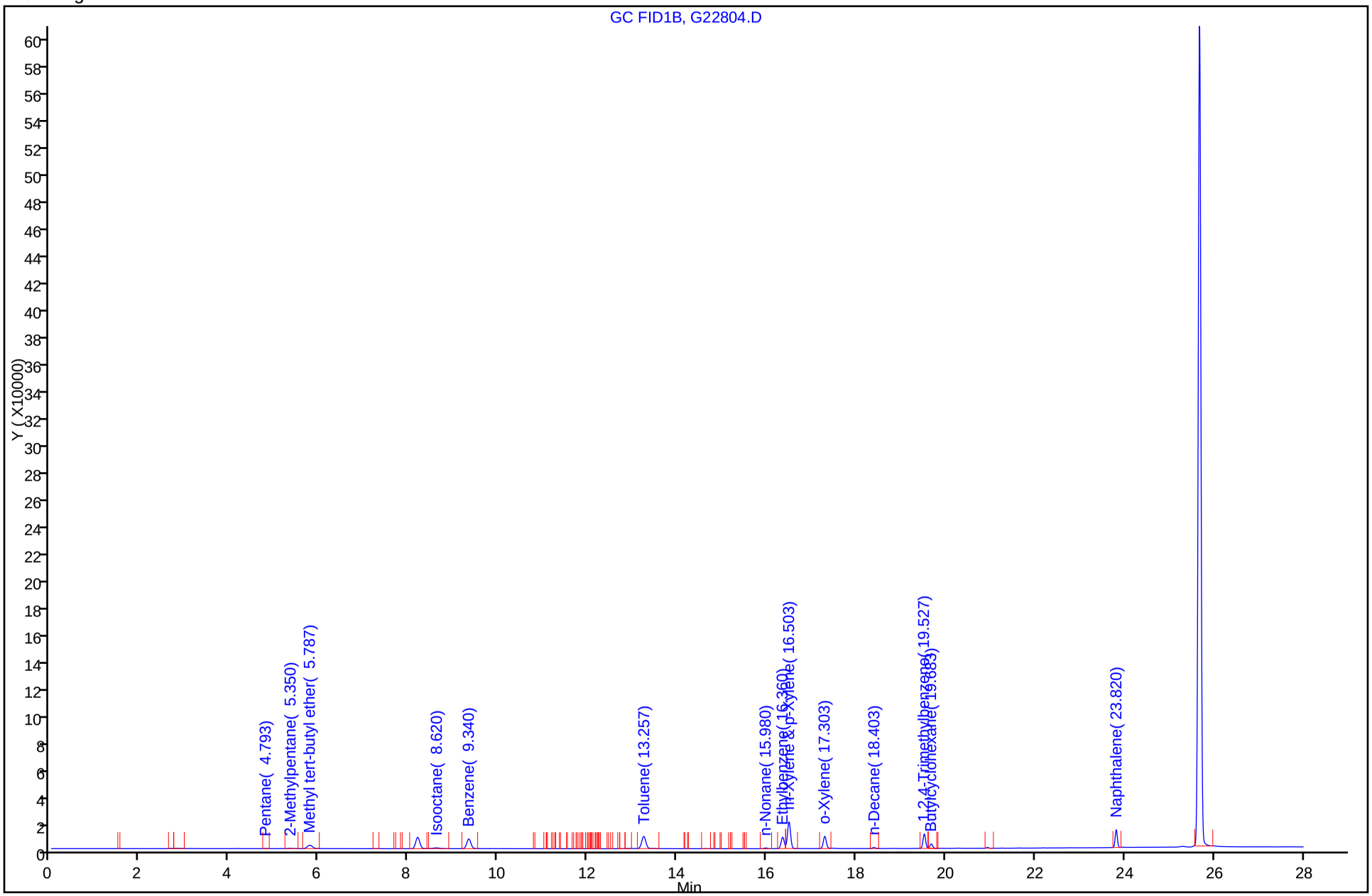
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						A
2	4.163	4.173	-0.010	9001	1.53	A
1	4.793	4.170	0.623	580		A
6 2-Methylpentane						A
1	5.350	5.333	0.017	1233		M
2	5.350	5.343	0.007	9098	1.00	A
7 Methyl tert-butyl ether						
1	5.787	5.787	0.000	20095	1.45	
2	5.787	5.790	-0.003	6464		
S 24 VPH Adjustment 1						
1					4.44	
8 Isooctane						M
1	8.620	8.610	0.010	5065		M
2	8.623	8.610	0.013	8027	1.00	M
9 Benzene						
1	9.340	9.343	-0.003	46758	1.44	
2	9.343	9.350	-0.007	12830		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		166820	8.68	
11 Toluene						
1	13.257	13.257	0.000	58894	1.55	
2	13.253	13.260	-0.007	15854		
A 26 C6-C12						
2	14.305	4.660 - 23.950		503442	0	
S 25 VPH Adjustment 2						
1					5.00	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.980	15.980	0.000	2954		
2	15.983	15.980	0.003	5703	1.00	
14 Ethylbenzene						
1	16.360	16.367	-0.007	41042	1.43	
2	16.363	16.363	0.000	10613		
15 m-Xylene & p-Xylene						
1	16.503	16.510	-0.007	95872	1.51	
2	16.507	16.517	-0.010	22644		
16 o-Xylene						
1	17.303	17.303	0.000	43639	0.8618	
2	17.307	17.303	0.004	11298		
17 n-Decane						M
1	18.403	18.400	0.003	3510		
2	18.403	18.397	0.006	5447	1.00	M
18 1,2,4-Trimethylbenzene						M
1	19.527	19.530	-0.003	43638		
2	19.530	19.530	0.000	10259	1.39	M
19 Butylcyclohexane						
1	19.683	19.680	0.003	14704		
2	19.687	19.687	0.000	5926	1.00	
A 2 C9-C12 Aliphatics						
2	19.803	15.860	-23.747	194125	10.2	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	140541	1.20	
21 Naphthalene						M
1	23.820	23.820	0.000	44864	1.01	
2	23.823	23.827	-0.004	6881		M
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2571937	101.3	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.690	-0.003	193926	100.1	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Sep-2010 10:33:14 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22804.D
Injection Date: 20-Sep-2010 13:34:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 5
Operator ID: CR
Y Scaling:



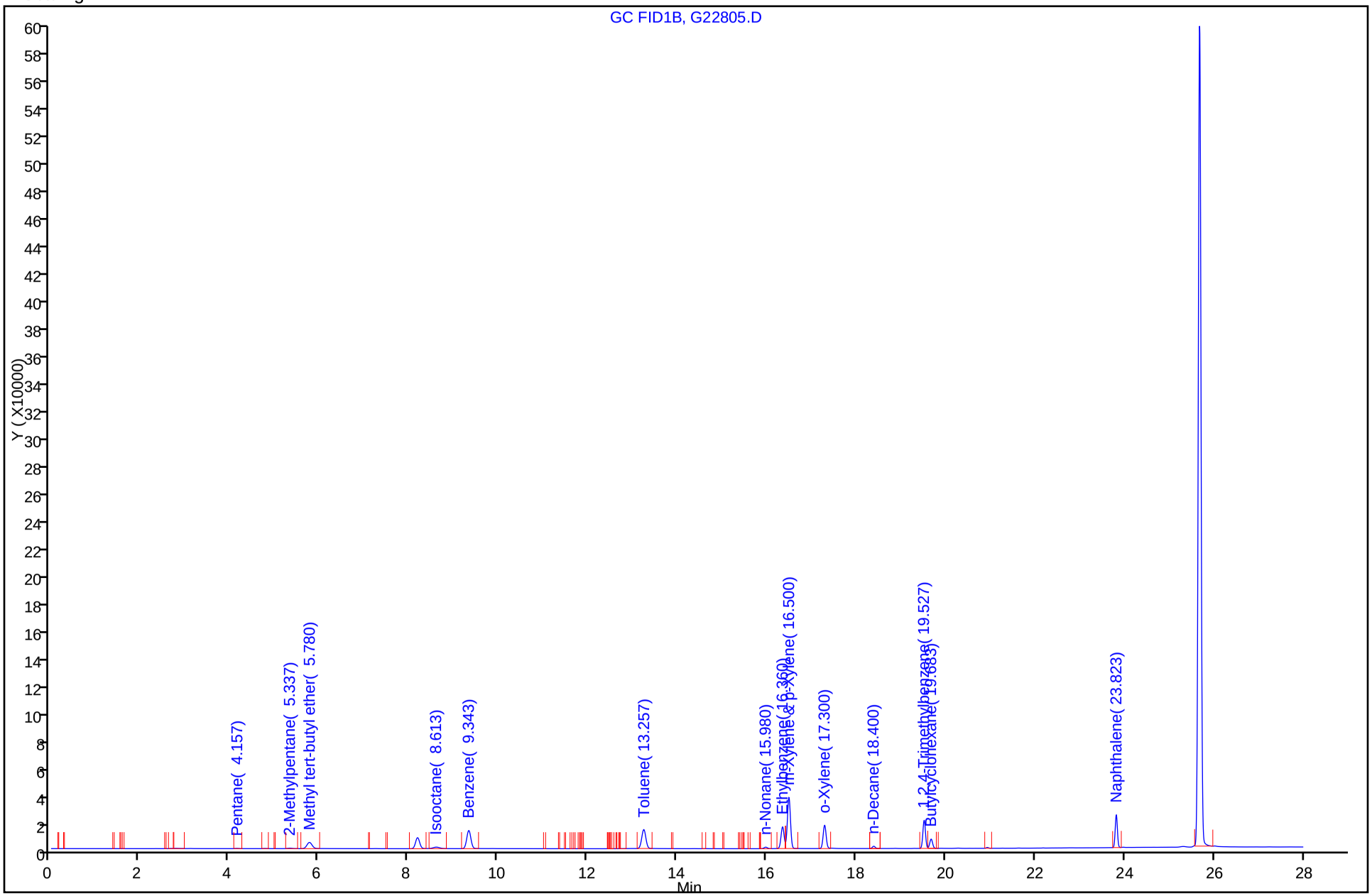
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22805.D		
Lims ID:	STD2-5	Client ID:	
Inject. Date:	20-Sep-2010 14:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD2-5		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	63348	Lims Sample ID:	6
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:12	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:11:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.157	4.173	-0.016	16107	3.07	
1	4.157	4.170	-0.013	747		
6 2-Methylpentane						
1	5.337	5.333	0.004	2397		
2	5.343	5.343	0.000	17482	2.50	
7 Methyl tert-butyl ether						
1	5.780	5.787	-0.007	37148	3.16	
2	5.783	5.790	-0.007	12066		
S 24 VPH Adjustment 1						
1					9.15	
8 Isooctane						
1	8.613	8.610	0.003	11041		
2	8.617	8.610	0.007	16330	2.50	
9 Benzene						
1	9.343	9.343	0.000	86136	3.12	
2	9.347	9.350	-0.003	23721		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		214364	17.4	
11 Toluene						
1	13.257	13.257	0.000	88640	2.88	
2	13.257	13.260	-0.003	24829		
A 26 C6-C12						
2	14.305	4.660 - 23.950		615647	0	
S 25 VPH Adjustment 2						
1					12.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.980	15.980	0.000	6038		
2	15.983	15.980	0.003	12303	2.50	
14 Ethylbenzene						
1	16.360	16.367	-0.007	76627	3.09	
2	16.363	16.363	0.000	21128		
15 m-Xylene & p-Xylene						
1	16.500	16.510	-0.010	180479	4.82	
2	16.503	16.517	-0.014	43537		
16 o-Xylene						
1	17.300	17.303	-0.003	80963	2.52	
2	17.303	17.303	0.000	21581		
17 n-Decane						
1	18.400	18.400	0.000	7408		
2	18.400	18.397	0.003	11125	2.50	
18 1,2,4-Trimethylbenzene						
1	19.527	19.530	-0.003	83882		
2	19.530	19.530	0.000	19351	2.86	
19 Butylcyclohexane						
1	19.683	19.680	0.003	30536		
2	19.683	19.687	-0.004	12667	2.50	
A 2 C9-C12 Aliphatics						
2	19.790	15.867	-23.740	270914	22.7	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	170463	2.48	
21 Naphthalene						
1	23.823	23.820	0.003	82375	2.54	
2	23.823	23.827	-0.004	12290		
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2541024	100.0	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	191781	99.0	

Report Date: 21-Sep-2010 10:33:12 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22805.D
Injection Date: 20-Sep-2010 14:07:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 6
Operator ID: CR
Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22806.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	20-Sep-2010 14:40:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD5		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	63348	Lims Sample ID:	7
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:11	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:10:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.153	4.173	-0.020	26875	5.41	
1	4.153	4.170	-0.017	1386		
6 2-Methylpentane						
1	5.337	5.333	0.004	3957		
2	5.340	5.343	-0.003	29048	5.00	
7 Methyl tert-butyl ether						
1	5.773	5.787	-0.014	61151	5.56	
2	5.777	5.790	-0.013	20287		
S 24 VPH Adjustment 1						
1					16.4	
8 Isooctane						
1	8.607	8.610	-0.003	18673		
2	8.613	8.610	0.003	27901	5.00	
9 Benzene						
1	9.340	9.343	-0.003	143225	5.54	
2	9.340	9.350	-0.010	40071		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		286476	30.6	
11 Toluene						
1	13.253	13.257	-0.004	144003	5.34	
2	13.257	13.260	-0.003	39986		
A 26 C6-C12						
2	14.305	4.660 - 23.950		768565	0	
S 25 VPH Adjustment 2						
1					24.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.983	15.980	0.003	10509		
2	15.983	15.980	0.003	21671	5.00	
14 Ethylbenzene						
1	16.360	16.367	-0.007	127660	5.47	
2	16.363	16.363	0.000	35706		
15 m-Xylene & p-Xylene						
1	16.500	16.510	-0.010	301527	9.56	
2	16.503	16.517	-0.014	72738		
16 o-Xylene						
1	17.300	17.303	-0.003	135615	4.94	
2	17.303	17.303	0.000	36080		
17 n-Decane						
1	18.400	18.400	0.000	12655		
2	18.400	18.397	0.003	19617	5.00	
18 1,2,4-Trimethylbenzene						
1	19.527	19.530	-0.003	140587		
2	19.527	19.530	-0.003	32863	5.05	
19 Butylcyclohexane						
1	19.680	19.680	0.000	52579		
2	19.683	19.687	-0.004	22001	5.00	
A 2 C9-C12 Aliphatics						
2	19.783	15.847	-23.733	366453	38.4	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	226520	4.88	
21 Naphthalene						
1	23.820	23.820	0.000	137539	4.78	
2	23.820	23.827	-0.007	20783		
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2545136	100.2	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.690	-0.003	191154	98.7	

Report Date: 21-Sep-2010 10:33:11 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22806.D

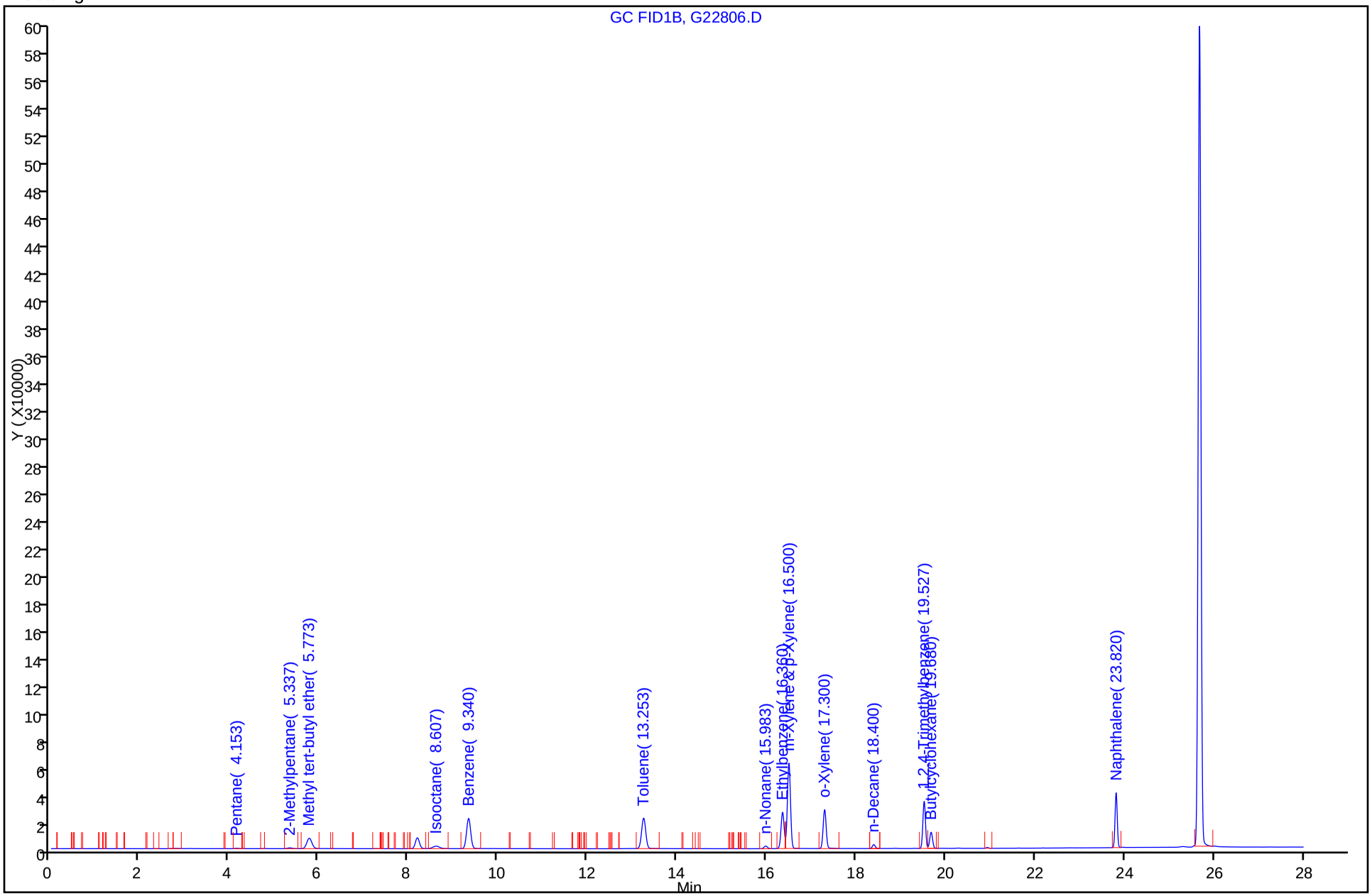
Injection Date: 20-Sep-2010 14:40:30 Limit Group: GC MA VPH

Client ID: Instrument ID: Inst. G

Lims Batch ID: 63348 Lims Sample ID: 7

Operator ID: CR

Y Scaling:



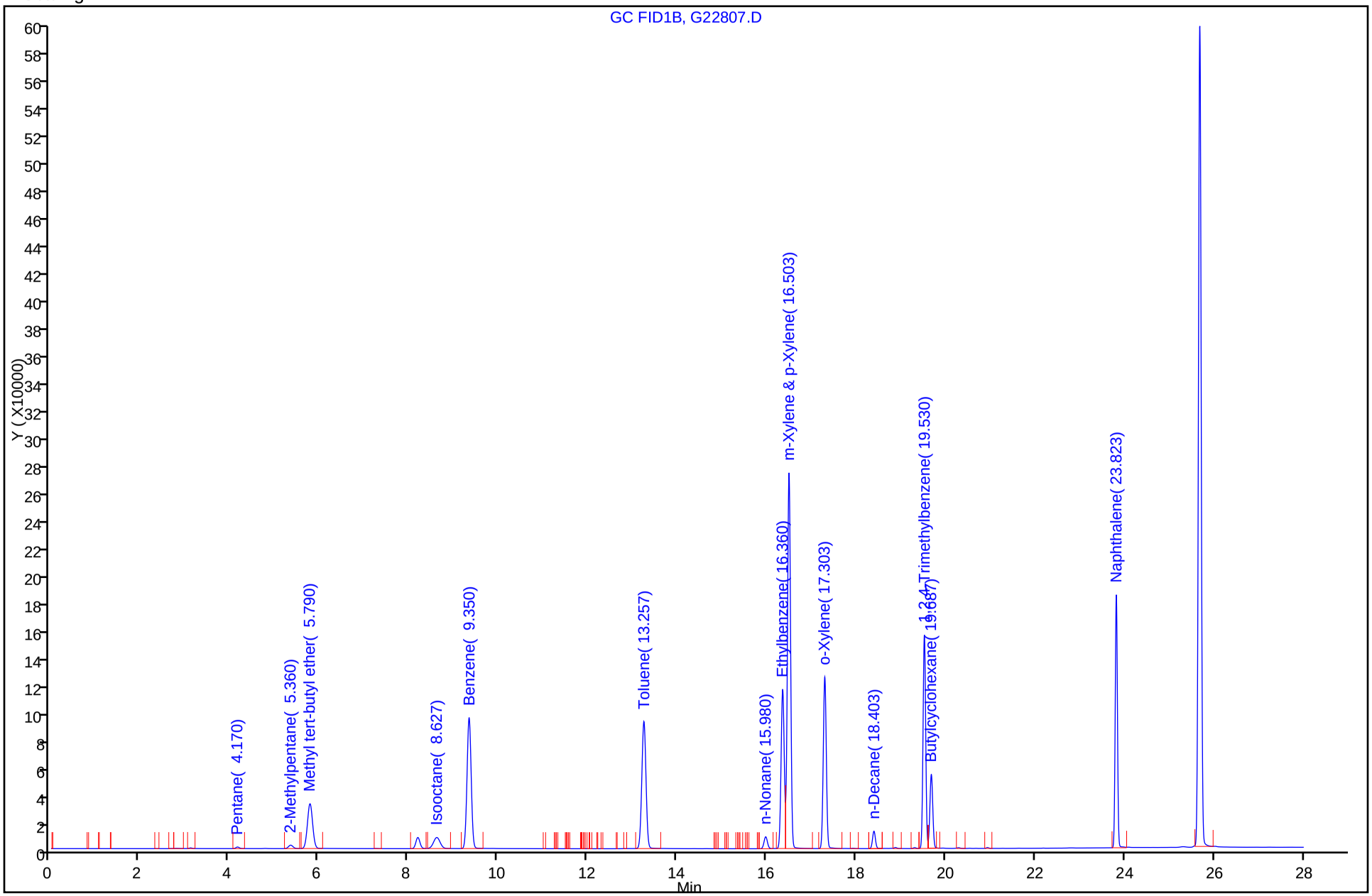
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22807.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	20-Sep-2010 15:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	63348	Lims Sample ID:	8
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:10	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:09:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.173	4.173	0.000	116817	25.0	
1	4.170	4.170	0.000	6371		
6 2-Methylpentane						
1	5.360	5.333	0.027	17919		
2	5.360	5.343	0.017	131231	25.0	
7 Methyl tert-butyl ether						
1	5.790	5.787	0.003	266322	26.1	
2	5.793	5.790	0.003	90561		
S 24 VPH Adjustment 1						
1					77.9	
8 Isooctane						
1	8.627	8.610	0.017	83942		
2	8.630	8.610	0.020	130097	25.0	
9 Benzene						
1	9.350	9.343	0.007	622213	25.9	
2	9.353	9.350	0.003	177848		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		925578	147.6	
11 Toluene						
1	13.257	13.257	0.000	606481	25.9	
2	13.260	13.260	0.000	171544		
A 26 C6-C12						
2	14.305	4.660 - 23.950		2171439	0	
S 25 VPH Adjustment 2						
1					130.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.980	15.980	0.000	47663		
2	15.983	15.980	0.003	103393	25.0	
14 Ethylbenzene						
1	16.360	16.367	-0.007	580722	26.6	
2	16.363	16.363	0.000	161440		
15 m-Xylene & p-Xylene						
1	16.503	16.510	-0.007	1353476	51.1	
2	16.503	16.517	-0.014	330757		
16 o-Xylene						
1	17.303	17.303	0.000	597488	25.6	
2	17.307	17.303	0.004	165009		
17 n-Decane						
1	18.403	18.400	0.003	57532		
2	18.403	18.397	0.006	91405	25.0	
18 1,2,4-Trimethylbenzene						
1	19.530	19.530	0.000	646625		
2	19.533	19.530	0.003	153603	24.6	
19 Butylcyclohexane						
1	19.687	19.680	0.007	243682		
2	19.687	19.687	0.000	104095	25.0	
A 2 C9-C12 Aliphatics						
2	19.763	15.840	-23.727	1248768	182.9	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	741819	27.0	
21 Naphthalene						
1	23.823	23.820	0.003	644533	25.5	
2	23.827	23.827	0.000	99067		
$ 22 2,5-Dibromotoluene (pid)						
1	25.690	25.683	0.007	2571494	101.2	
$ 23 2,5-Dibromotoluene (fid)						
2	25.693	25.690	0.003	193726	100.0	

Report Date: 21-Sep-2010 10:33:10 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22807.D
Injection Date: 20-Sep-2010 15:13:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 8
Operator ID: CR
Y Scaling:



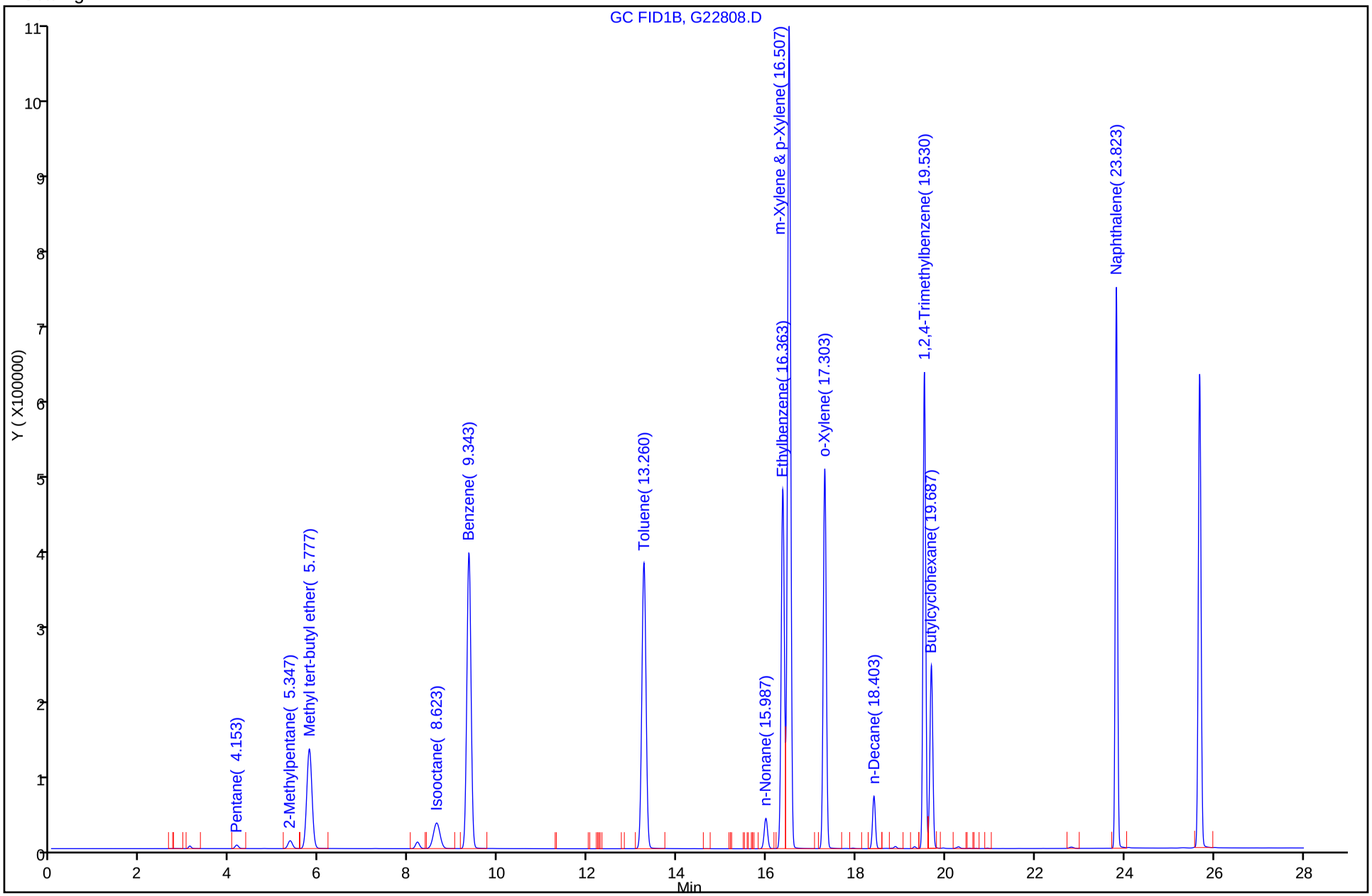
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22808.D		
Lims ID:	STD100	Client ID:	
Inject. Date:	20-Sep-2010 15:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD100		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	63348	Lims Sample ID:	9
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:27	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:33:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.153	4.190	-0.037	470252	101.7	
1	4.153	4.187	-0.034	25106		
6 2-Methylpentane						
1	5.347	5.333	0.014	70910		
2	5.350	5.343	0.007	531738	100.0	
7 Methyl tert-butyl ether						
1	5.777	5.787	-0.010	1024749	102.1	
2	5.780	5.790	-0.010	355220		
S 24 VPH Adjustment 1						
1					308.7	
8 Isooctane						
1	8.623	8.610	0.013	336370		
2	8.627	8.610	0.017	524751	100.0	
9 Benzene						
1	9.343	9.343	0.000	2437639	103.0	
2	9.347	9.350	-0.003	704225		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3384645	597.8	
11 Toluene						
1	13.260	13.257	0.003	2352346	103.7	
2	13.263	13.260	0.003	678394		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7742738	0	
S 25 VPH Adjustment 2						
1					519.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.987	15.980	0.007	204981		
2	15.987	15.980	0.007	469501	100.0	
14 Ethylbenzene						
1	16.363	16.367	-0.004	2241973	104.1	
2	16.367	16.370	-0.003	650421		
15 m-Xylene & p-Xylene						
1	16.507	16.510	-0.003	5124310	206.5	
2	16.510	16.517	-0.007	1309243		
16 o-Xylene						
1	17.303	17.303	0.000	2253685	101.9	
2	17.307	17.307	0.000	653468		
17 n-Decane						
1	18.403	18.400	0.003	293124		
2	18.403	18.397	0.006	502904	100.0	
18 1,2,4-Trimethylbenzene						
1	19.530	19.530	0.000	2485846		
2	19.533	19.533	0.000	609936	98.6	
19 Butylcyclohexane						
1	19.687	19.680	0.007	1038983		
2	19.690	19.687	0.003	465116	100.0	
A 2 C9-C12 Aliphatics						
2	19.767	15.813	-23.720	4829008	769.4	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2618894	107.5	
21 Naphthalene						
1	23.823	23.823	0.000	2448720	101.3	
2	23.827	23.830	-0.003	392311		
$ 22 2,5-Dibromotoluene (pid)						
1	25.687	25.683	0.004	2533628	99.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	194029	100.1	

Report Date: 21-Sep-2010 10:33:27 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22808.D
Injection Date: 20-Sep-2010 15:46:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 9
Operator ID: CR
Y Scaling:



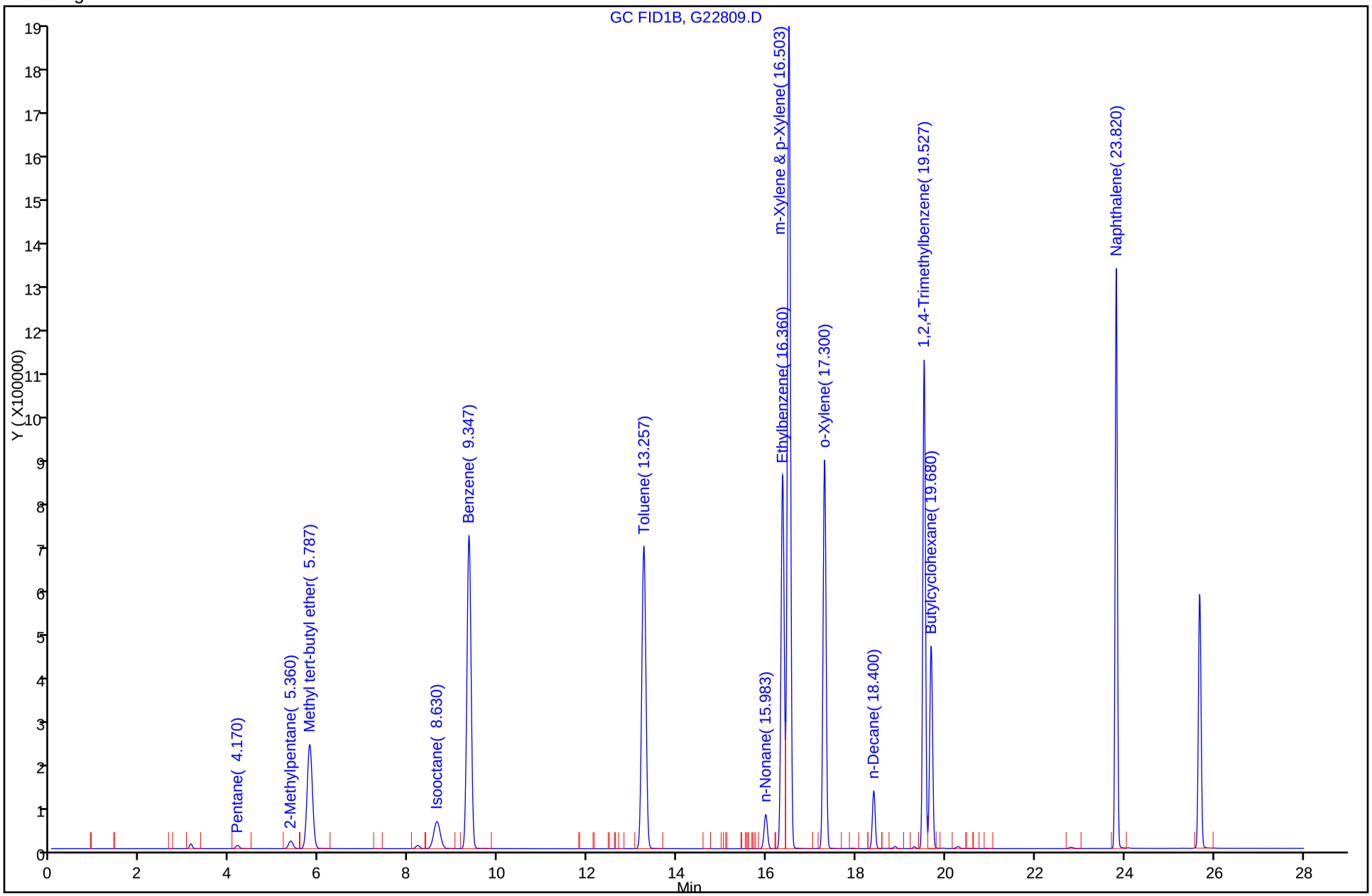
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22809.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	20-Sep-2010 16:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD200		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	63348	Lims Sample ID:	10
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:07	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:07:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.173	4.173	0.000	903954	195.9	
1	4.170	4.170	0.000	44797		
6 2-Methylpentane						
1	5.360	5.333	0.027	127650		
2	5.363	5.343	0.020	1026707	200.0	
7 Methyl tert-butyl ether						
1	5.787	5.787	0.000	1980779	197.8	
2	5.790	5.790	0.000	693921		
S 24 VPH Adjustment 1						
1					599.0	
8 Isooctane						
1	8.630	8.610	0.020	646744		
2	8.633	8.610	0.023	1029657	200.0	
9 Benzene						
1	9.347	9.343	0.004	4728163	200.3	
2	9.350	9.350	0.000	1392203		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		6527828	1173.3	
11 Toluene						
1	13.257	13.257	0.000	4537078	200.9	
2	13.260	13.260	0.000	1339699		
A 26 C6-C12						
2	14.305	4.660 - 23.950		15199837	0	
S 25 VPH Adjustment 2						
1					999.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.983	15.980	0.003	420738		
2	15.983	15.980	0.003	1020988	200.0	
14 Ethylbenzene						
1	16.360	16.367	-0.007	4342913	202.0	
2	16.363	16.363	0.000	1269066		
15 m-Xylene & p-Xylene						
1	16.503	16.510	-0.007	9345962	394.4	
2	16.507	16.517	-0.010	2578231		
16 o-Xylene						
1	17.300	17.303	-0.003	4232707	198.4	
2	17.303	17.303	0.000	1294722		
17 n-Decane						
1	18.400	18.400	0.000	593146		
2	18.400	18.397	0.003	1073226	200.0	
18 1,2,4-Trimethylbenzene						
1	19.527	19.530	-0.003	4692126		
2	19.530	19.530	0.000	1208823	195.7	
19 Butylcyclohexane						
1	19.680	19.680	0.000	2114818		
2	19.687	19.687	0.000	1014065	200.0	
A 2 C9-C12 Aliphatics						
2	19.767	15.820	-23.713	9693938	1566.2	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	4876078	204.3	
21 Naphthalene						
1	23.820	23.820	0.000	4655558	198.8	
2	23.827	23.827	0.000	779751		
$ 22 2,5-Dibromotoluene (pid)						
1	25.687	25.683	0.004	2474690	97.4	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	195123	100.7	

Report Date: 21-Sep-2010 10:33:08 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22809.D
Injection Date: 20-Sep-2010 16:19:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 10
Operator ID: CR
Y Scaling:



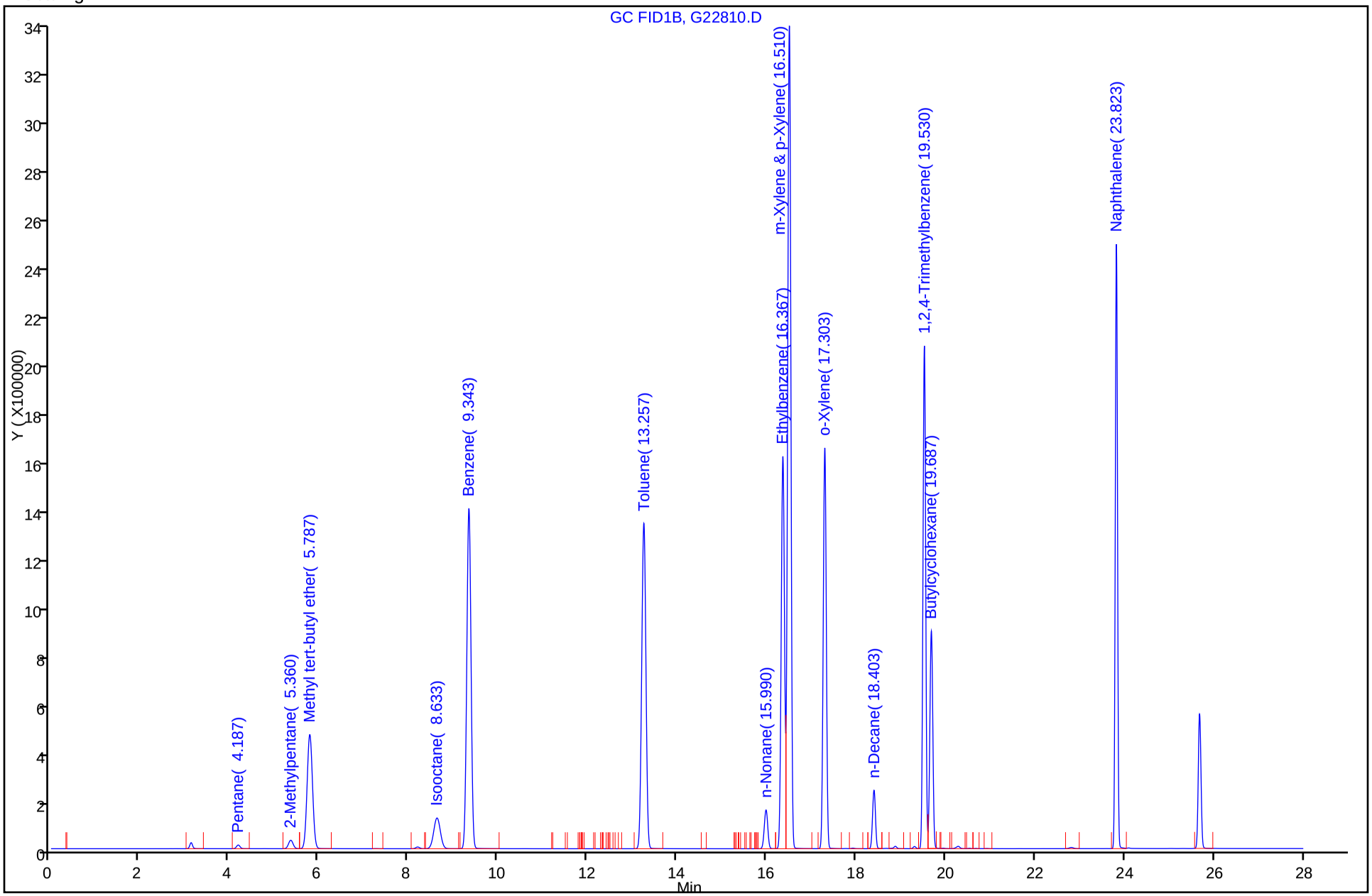
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Lims ID:	STD400	Client ID:	
Inject. Date:	20-Sep-2010 16:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD400		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	63348	Lims Sample ID:	11
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:06	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:08:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.190	4.160	0.030	1849283	401.3	
1	4.187	4.790	-0.603	86710		
6 2-Methylpentane						
1	5.360	5.333	0.027	254638		
2	5.363	5.343	0.020	2103094	400.0	
7 Methyl tert-butyl ether						
1	5.787	5.787	0.000	3977738	397.8	
2	5.790	5.793	-0.003	1433622		
S 24 VPH Adjustment 1						
1					1186.1	
8 Isooctane						
1	8.633	8.610	0.023	1326347		
2	8.637	8.610	0.027	2162456	400.0	
9 Benzene						
1	9.343	9.343	0.000	9306107	394.7	
2	9.350	9.350	0.000	2883505		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		13377984	2427.4	
11 Toluene						
1	13.257	13.257	0.000	8864102	393.6	
2	13.260	13.253	0.007	2774436		
A 26 C6-C12						
2	14.305	4.660 - 23.950		31330755	0	
S 25 VPH Adjustment 2						
1					1979.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.990	15.980	0.010	880393		
2	15.990	15.980	0.010	2246715	400.0	
14 Ethylbenzene						
1	16.367	16.367	0.000	8401248	391.3	
2	16.370	16.357	0.013	2638809		
15 m-Xylene & p-Xylene						
1	16.510	16.510	0.000	17215160	801.2	
2	16.517	16.517	0.000	5399923		
16 o-Xylene						
1	17.303	17.303	0.000	7957120	400.3	
2	17.307	17.300	0.007	2680820		
17 n-Decane						
1	18.403	18.400	0.003	1108327		
2	18.407	18.397	0.010	2162904	400.0	
18 1,2,4-Trimethylbenzene						
1	19.530	19.530	0.000	8798964		
2	19.533	19.527	0.006	2503598	405.6	
19 Butylcyclohexane						
1	19.687	19.680	0.007	4133818		
2	19.690	19.687	0.003	2243638	400.0	
A 2 C9-C12 Aliphatics						
2	19.767	15.813	-23.713	20151324	3279.2	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	9117883	386.3	
21 Naphthalene						
1	23.823	23.823	0.000	8813561	400.2	
2	23.830	23.823	0.007	1635711		
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2375989	93.5	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	199157	102.8	

Report Date: 21-Sep-2010 10:33:06 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Injection Date: 20-Sep-2010 16:52:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 11
Operator ID: CR
Y Scaling:



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 63348

SDG No.: 360-31465-1

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2010 13:01 Calibration End Date: 09/20/2010 16:52 Calibration ID: 9624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-63348/4	G22803.D
Level 2	STD1 360-63348/5	G22804.D
Level 3	STD2 360-63348/6	G22805.D
Level 4	STD5 360-63348/7	G22806.D
Level 5	STD25 360-63348/8	G22807.D
Level 6	STD100 360-63348/9	G22808.D
Level 7	STD200 360-63348/10	G22809.D
Level 8	STD400 360-63348/11	G22810.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Pentane	4.160	4.163	4.157	4.153	4.173	4.153	4.173	4.190			3.960 - 4.360	4.165
C5-C8 Aliphatics (unadjusted)	9.510	9.510	9.510	9.510	9.510	9.510	9.510	9.510			3.180 - 15.840	9.510
1,2,4-Trimethylbenzene	19.527	19.530	19.530	19.527	19.533	19.533	19.530	19.533			19.327 - 19.727	19.530
C9-C12 Aliphatics (unadjusted)	19.803	19.803	19.790	19.783	19.763	19.767	19.767	19.767			15.813 - 23.713	19.780
2,5-Dibromotoluene (fid)	25.690	25.687	25.690	25.687	25.693	25.690	25.690	25.690			25.490 - 25.890	25.690

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 63348

SDG No.: 360-31465-1

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2010 13:01 Calibration End Date: 09/20/2010 16:52 Calibration ID: 9624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-63348/4	G22803.D
Level 2	STD1 360-63348/5	G22804.D
Level 3	STD2 360-63348/6	G22805.D
Level 4	STD5 360-63348/7	G22806.D
Level 5	STD25 360-63348/8	G22807.D
Level 6	STD100 360-63348/9	G22808.D
Level 7	STD200 360-63348/10	G22809.D
Level 8	STD400 360-63348/11	G22810.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 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Pentane	4660.0 4672.7	9001.0 4702.5	6442.8 4519.8	5375.0 4623.2	Lin1	1960.16931	4603.45728							0.9990		0.9900
C5-C8 Aliphatics (unadjusted)	42004 6170.5	27803 5641.1	14291 5439.9	9549.2 5574.2	Lin1	119388.378	5461.98909							0.9990		0.9900
1,2,4-Trimethylbenzene	6438.0 6144.1	10259 6099.4	7740.4 6044.1	6572.6 6259.0	Lin1	1696.29573	6169.04855							0.9990		0.9900
C9-C12 Aliphatics (unadjusted)	37599 6243.8	24266 6036.3	13546 6058.7	9161.3 6297.3	Lin1	132041.456	6105.00585							0.9990		0.9900
2,5-Dibromotoluene (fid)	1911.4 1937.3	1939.3 1940.3	1917.8 1951.2	1911.5 1991.6	Ave		1937.54750				1.4		25.0			

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

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 63348

SDG No.: 360-31465-1

Instrument ID: Inst. G GC Column: RTX-502.2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2010 13:01 Calibration End Date: 09/20/2010 16:52 Calibration ID: 9624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-63348/4	G22803.D
Level 2	STD1 360-63348/5	G22804.D
Level 3	STD2 360-63348/6	G22805.D
Level 4	STD5 360-63348/7	G22806.D
Level 5	STD25 360-63348/8	G22807.D
Level 6	STD100 360-63348/9	G22808.D
Level 7	STD200 360-63348/10	G22809.D
Level 8	STD400 360-63348/11	G22810.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pentane	Lin1	2330 470252	9001 903954	16107 1849283	26875	116817	0.500 100	1.00 200	2.50 400	5.00	25.0
C5-C8 Aliphatics (unadjusted)	Lin1	126012 3384645	166820 6527828	214364 13377984	286476	925578	3.00 600	6.00 1200	15.0 2400	30.0	150
1,2,4-Trimethylbenzene	Lin1	3219 609936	10259 1208823	19351 2503598	32863	153603	0.500 100	1.00 200	2.50 400	5.00	25.0
C9-C12 Aliphatics (unadjusted)	Lin1	150396 4829008	194125 9693938	270914 20151324	366453	1248768	4.00 800	8.00 1600	20.0 3200	40.0	200
2,5-Dibromotoluene (fid)	Ave	191142 194029	193926 195123	191781 199157	191154	193726	100 100	100 100	100 100	100	100

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	20-Sep-2010 13:01:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD05		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	63348	Lims Sample ID:	4
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:15	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:28:38

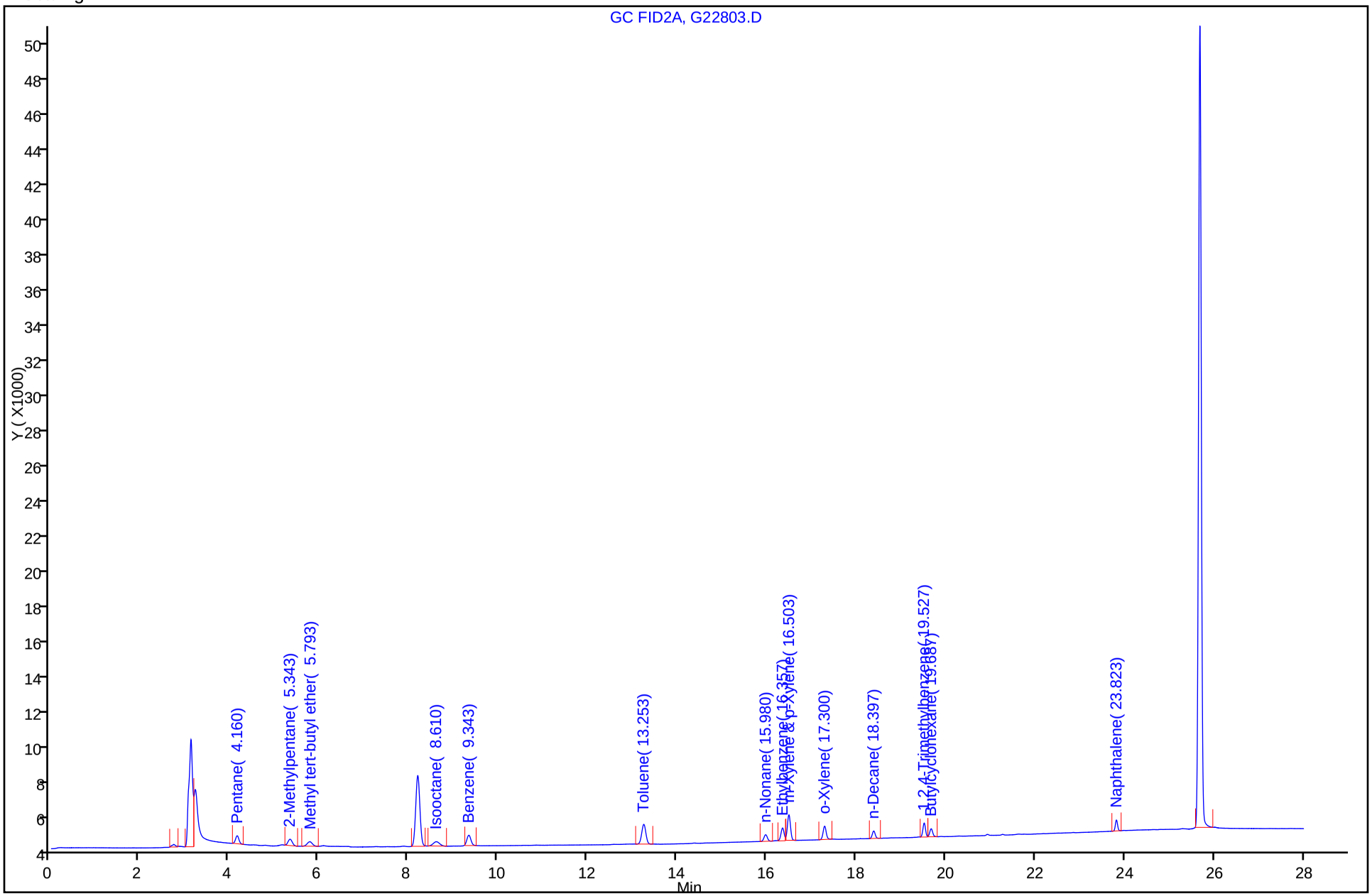
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						M
2	4.160	4.190	-0.030	2330	0.0803	M
1	4.790	4.187	0.603	716		M
6 2-Methylpentane						M
1	5.333	5.333	0.000	341		M
2	5.343	5.343	0.000	2322	0.5000	M
7 Methyl tert-butyl ether						M
1	5.787	5.787	0.000	6289	0.0650	M
2	5.793	5.790	0.003	2009		M
S 24 VPH Adjustment 1						
1					0.2227	
8 Isooctane						M
1	8.610	8.610	0.000	1508		M
2	8.610	8.610	0.000	2385	0.5000	M
9 Benzene						
1	9.340	9.343	-0.003	14532	0.0746	
2	9.343	9.350	-0.007	3633		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		126012	1.21	
11 Toluene						M
1	13.253	13.257	-0.004	25904	0.0832	
2	13.253	13.260	-0.007	7119		M
A 26 C6-C12						
2	14.305	4.660 - 23.950		422150	0	
S 25 VPH Adjustment 2						
1					-1.09	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						M
1	15.980	15.980	0.000	941		M
2	15.980	15.980	0.000	1955	0.5000	M
14 Ethylbenzene						M
1	16.357	16.367	-0.010	12107	0.0770	
2	16.357	16.370	-0.013	3568		M
15 m-Xylene & p-Xylene						
1	16.497	16.510	-0.013	29689	-1.07	
2	16.503	16.517	-0.014	6831		
16 o-Xylene						M
1	17.297	17.303	-0.006	14042	-0.4484	
2	17.300	17.307	-0.007	3574		M
17 n-Decane						M
1	18.400	18.400	0.000	1280		M
2	18.397	18.397	0.000	1880	0.5000	M
18 1,2,4-Trimethylbenzene						M
1	19.523	19.530	-0.007	13600		
2	19.527	19.533	-0.006	3219	0.2468	M
19 Butylcyclohexane						M
1	19.680	19.680	0.000	5158		
2	19.687	19.687	0.000	2070	0.5000	M
A 2 C9-C12 Aliphatics						
2	19.803	15.857	-23.723	150396	3.01	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	120754	0.3470	
21 Naphthalene						M
1	23.823	23.823	0.000	14050	-0.2375	M
2	23.823	23.830	-0.007	2096		M
$ 22 2,5-Dibromotoluene (pid)						
1	25.687	25.683	0.004	2541404	100.1	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	191142	98.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2010 10:33:15 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Injection Date: 20-Sep-2010 13:01:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 4
Operator ID: CR
Y Scaling:



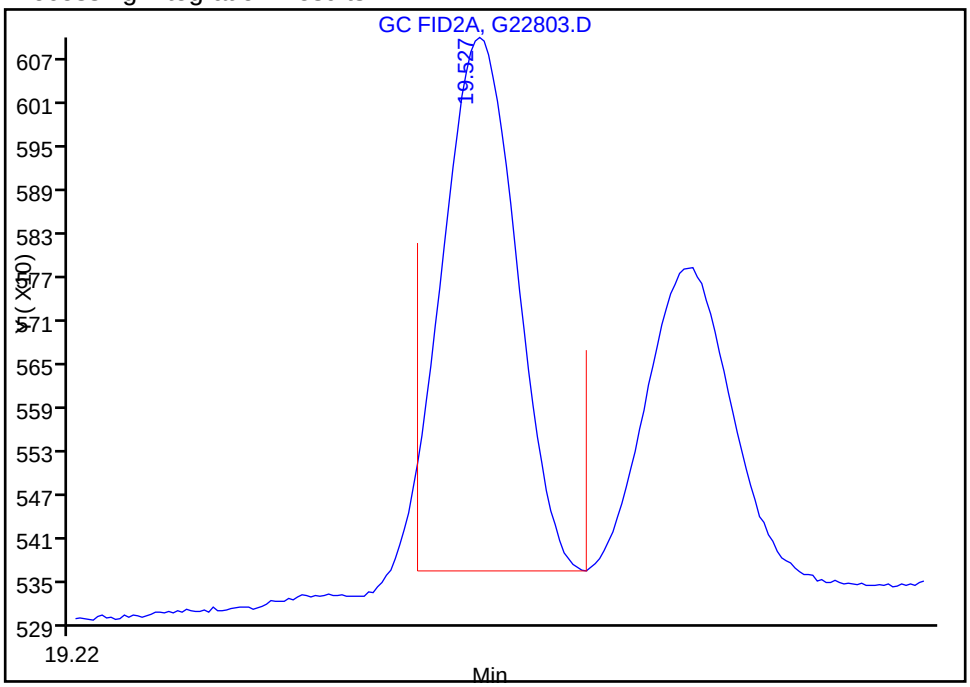
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Injection Date: 20-Sep-2010 13:01:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 4
Operator ID: CR

18 1,2,4-Trimethylbenzene, Signal: 2, Type: quant, RT: 19.53, Det: GC FID2A

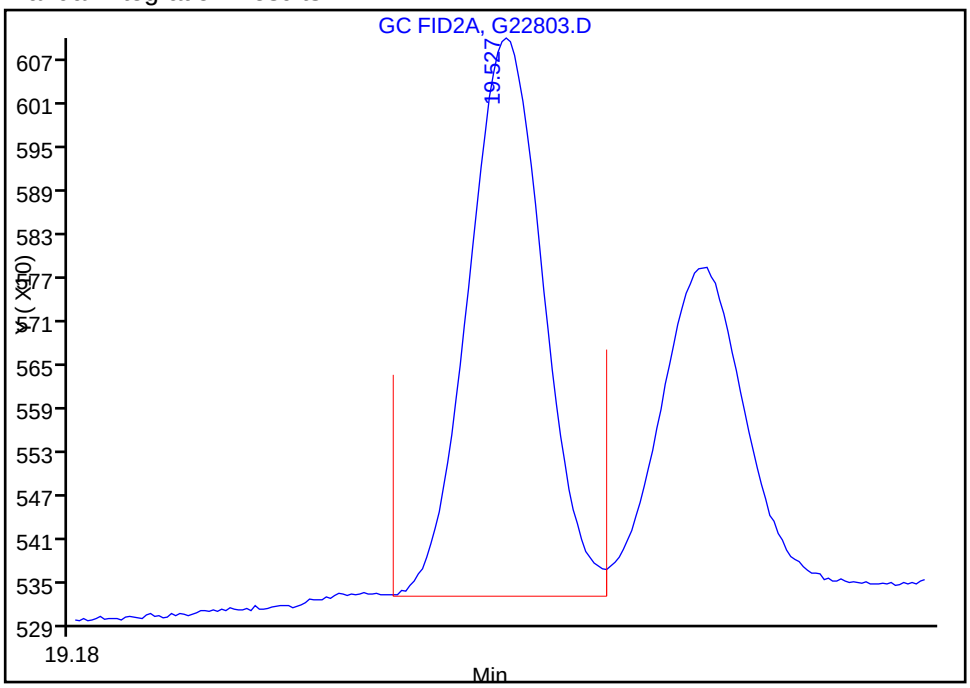
Processing Integration Results

RT: 19.53
Response: 2808
Amount: 0.410417



Manual Integration Results

RT: 19.53
Response: 3219
Amount: 0.246830



Reviewer: rouleauc, 21-Sep-2010 10:22:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

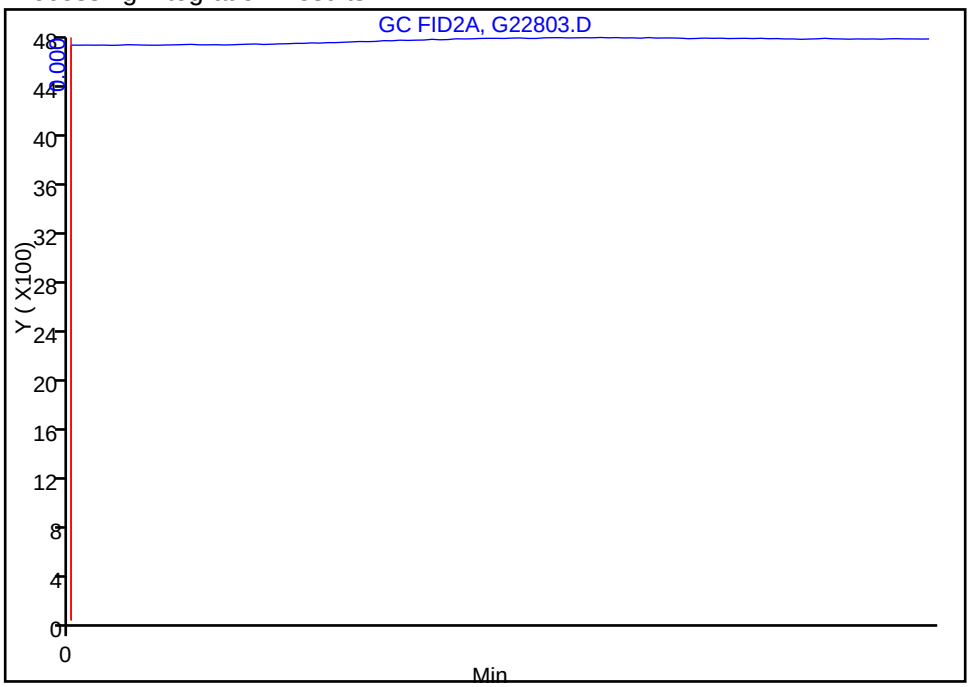
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22803.D
Injection Date: 20-Sep-2010 13:01:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 4
Operator ID: CR

5 Pentane, Signal: 1, Type: quant, RT: 4.19, Det: GC FID2A

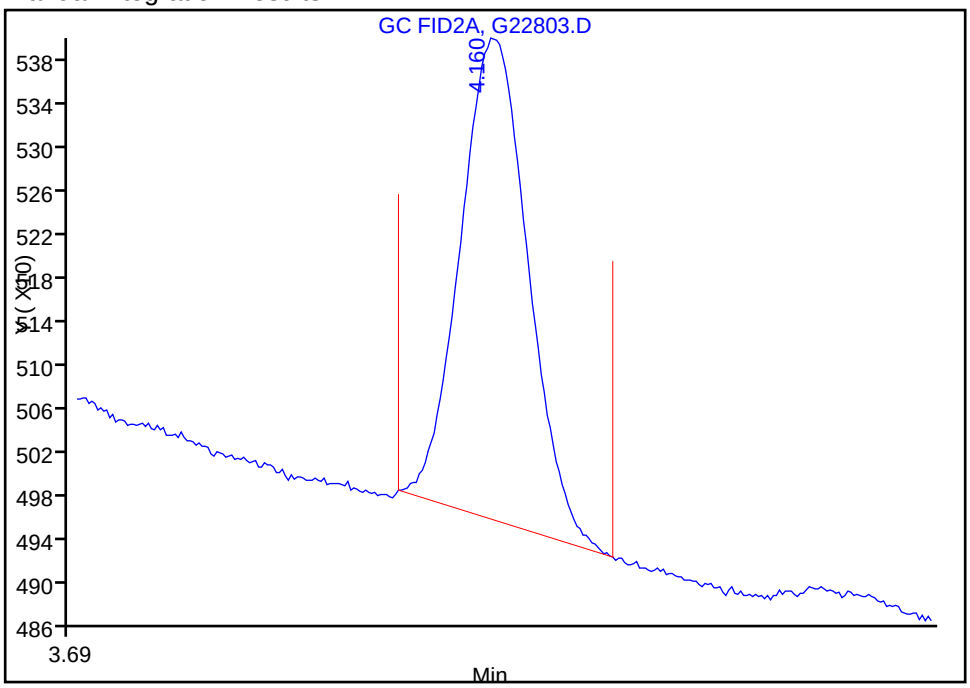
Processing Integration Results

RT: 0.00
Response: 0
Amount: 0



Manual Integration Results

RT: 4.16
Response: 2330
Amount: 0.080338



Reviewer: rouleauc, 21-Sep-2010 10:22:13
Audit Action: Manually Integrated
Audit Reason: Peak not integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22804.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	20-Sep-2010 13:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD1		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	63348	Lims Sample ID:	5
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:14	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:16:35

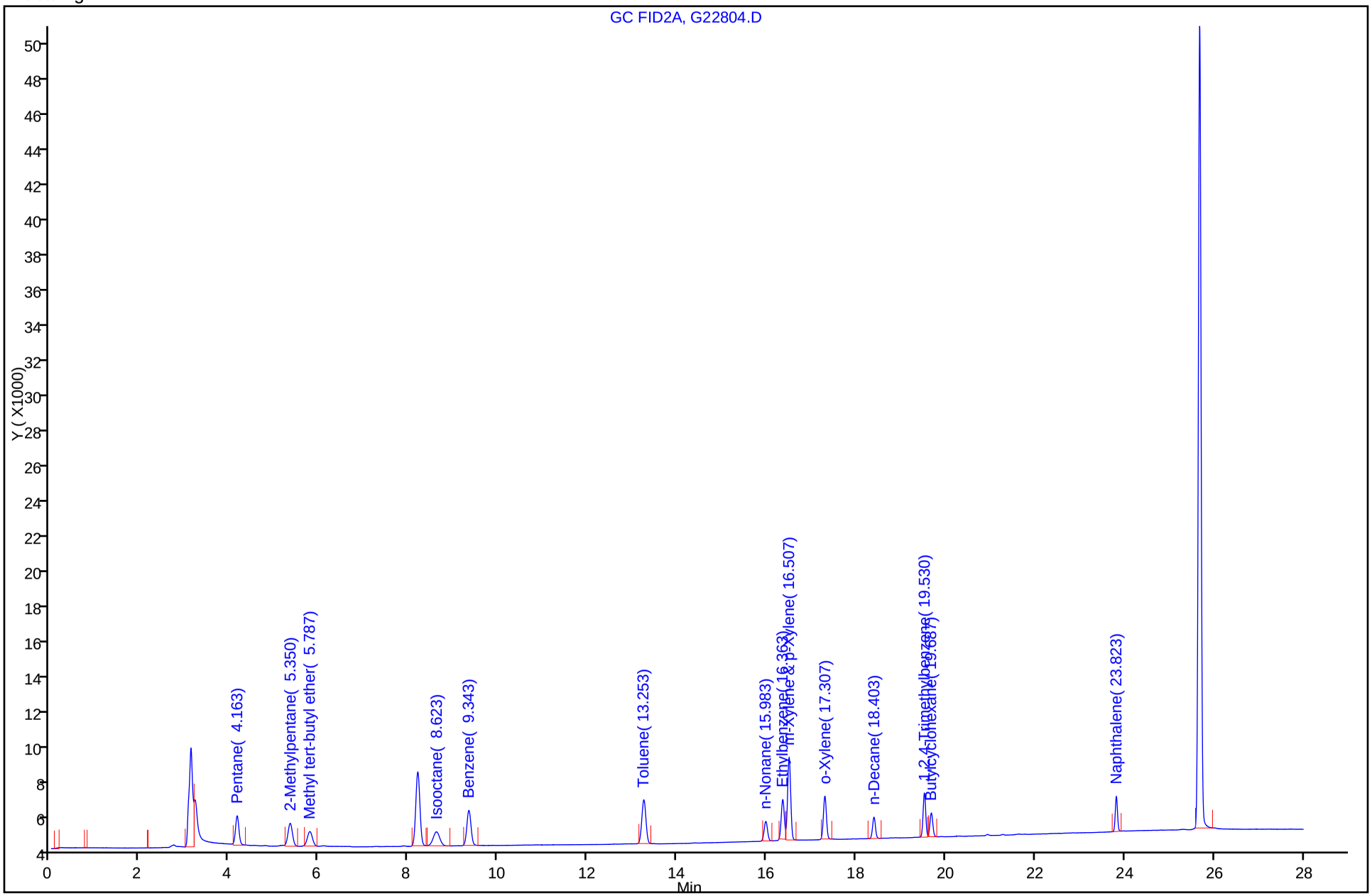
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						A
2	4.163	4.173	-0.010	9001	1.53	A
1	4.793	4.170	0.623	580		A
6 2-Methylpentane						A
1	5.350	5.333	0.017	1233		M
2	5.350	5.343	0.007	9098	1.00	A
7 Methyl tert-butyl ether						
1	5.787	5.787	0.000	20095	1.45	
2	5.787	5.790	-0.003	6464		
S 24 VPH Adjustment 1						
1					4.44	
8 Isooctane						M
1	8.620	8.610	0.010	5065		M
2	8.623	8.610	0.013	8027	1.00	M
9 Benzene						
1	9.340	9.343	-0.003	46758	1.44	
2	9.343	9.350	-0.007	12830		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		166820	8.68	
11 Toluene						
1	13.257	13.257	0.000	58894	1.55	
2	13.253	13.260	-0.007	15854		
A 26 C6-C12						
2	14.305	4.660 - 23.950		503442	0	
S 25 VPH Adjustment 2						
1					5.00	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.980	15.980	0.000	2954		
2	15.983	15.980	0.003	5703	1.00	
14 Ethylbenzene						
1	16.360	16.367	-0.007	41042	1.43	
2	16.363	16.363	0.000	10613		
15 m-Xylene & p-Xylene						
1	16.503	16.510	-0.007	95872	1.51	
2	16.507	16.517	-0.010	22644		
16 o-Xylene						
1	17.303	17.303	0.000	43639	0.8618	
2	17.307	17.303	0.004	11298		
17 n-Decane						M
1	18.403	18.400	0.003	3510		
2	18.403	18.397	0.006	5447	1.00	M
18 1,2,4-Trimethylbenzene						M
1	19.527	19.530	-0.003	43638		
2	19.530	19.530	0.000	10259	1.39	M
19 Butylcyclohexane						
1	19.683	19.680	0.003	14704		
2	19.687	19.687	0.000	5926	1.00	
A 2 C9-C12 Aliphatics						
2	19.803	15.860	-23.747	194125	10.2	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	140541	1.20	
21 Naphthalene						M
1	23.820	23.820	0.000	44864	1.01	
2	23.823	23.827	-0.004	6881		M
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2571937	101.3	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.690	-0.003	193926	100.1	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 21-Sep-2010 10:33:14 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22804.D
Injection Date: 20-Sep-2010 13:34:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 5
Operator ID: CR
Y Scaling:



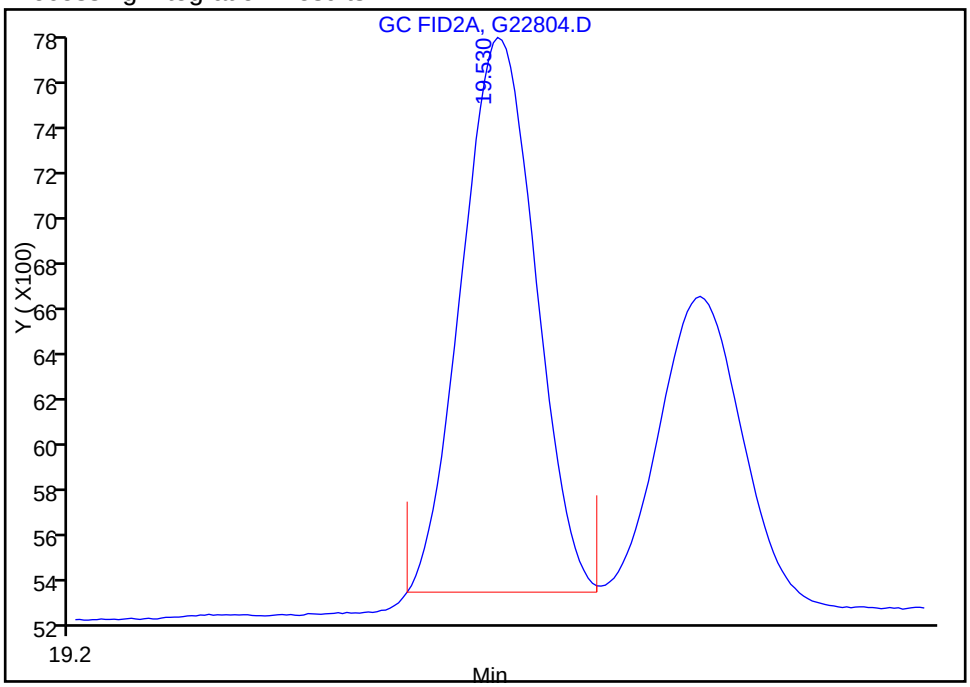
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22804.D		
Injection Date:	20-Sep-2010 13:34:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	63348	Lims Sample ID:	5
Operator ID:	CR		

18 1,2,4-Trimethylbenzene, Signal: 2, Type: quant, RT: 19.53, Det: GC FID2A

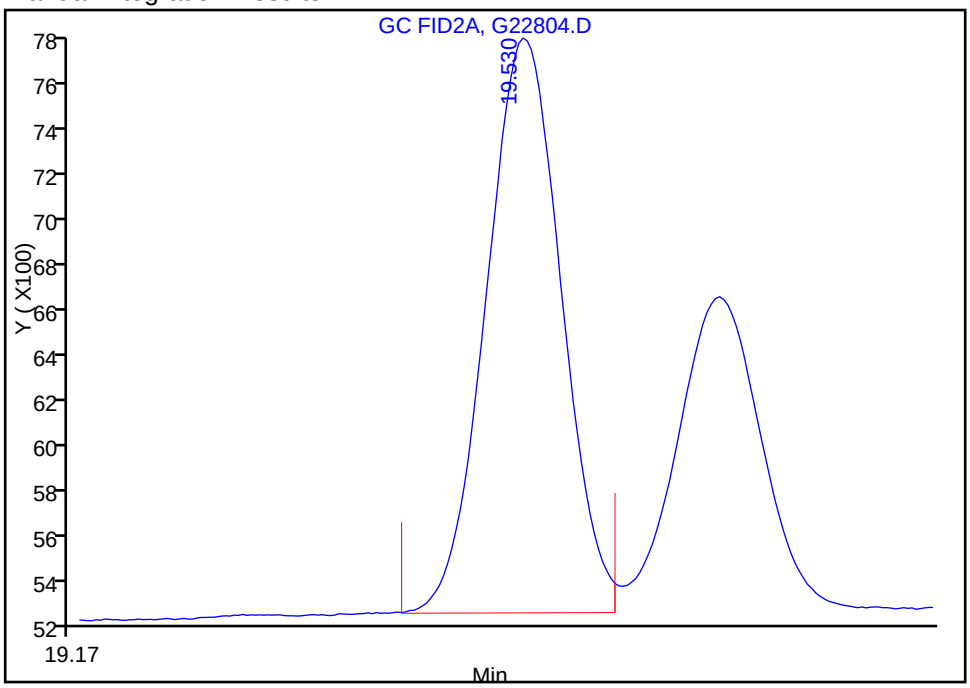
Processing Integration Results

RT: 19.53
Response: 9449
Amount: 1.369177



Manual Integration Results

RT: 19.53
Response: 10259
Amount: 1.388011



Reviewer: rouleauc, 21-Sep-2010 10:16:23
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

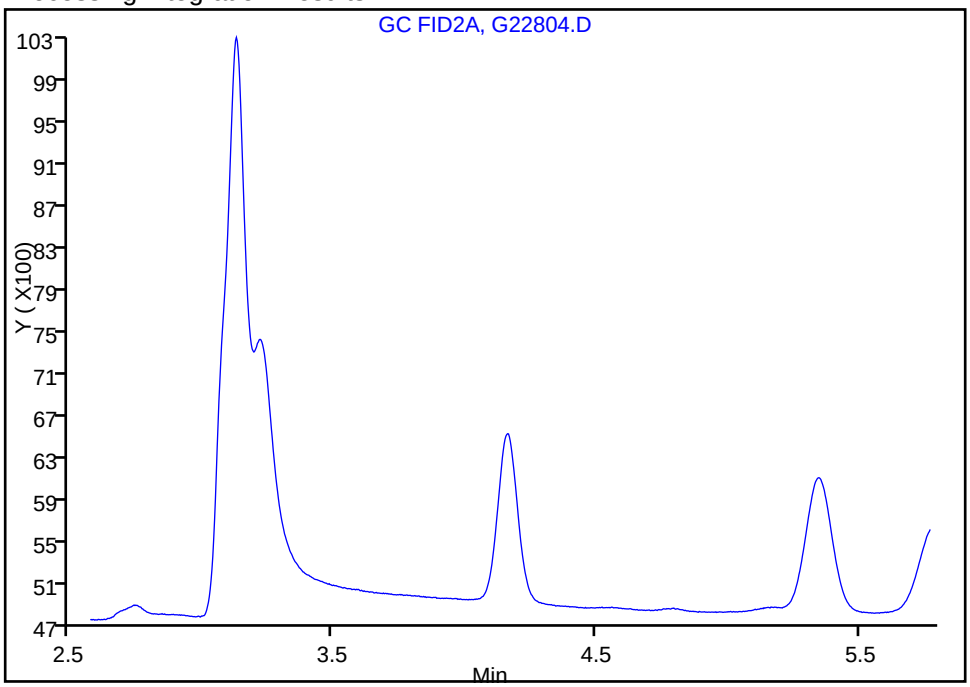
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22804.D
Injection Date: 20-Sep-2010 13:34:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 5
Operator ID: CR

5 Pentane, Signal: 1, Type: quant, RT: 4.17, Det: GC FID2A

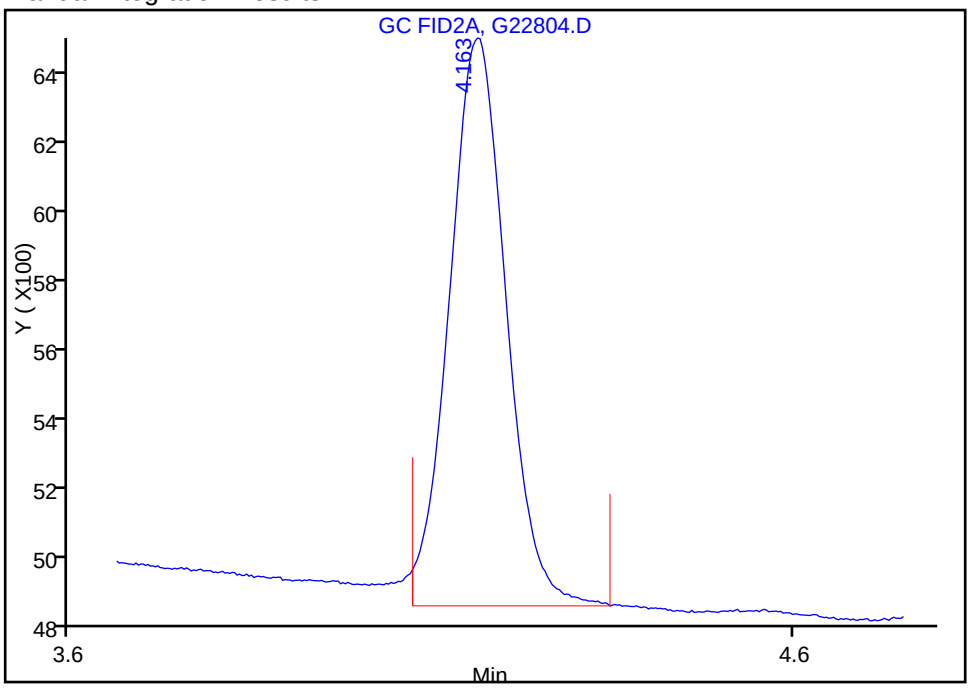
Not Detected
Expected RT: 4.17

Processing Integration Results



Manual Integration Results

RT: 4.16
Response: 9001
Amount: 1.529466



Reviewer: rouleauc, 21-Sep-2010 10:16:23
Audit Action: Assigned Compound ID
Audit Reason: Peak not integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22805.D		
Lims ID:	STD2-5	Client ID:	
Inject. Date:	20-Sep-2010 14:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD2-5		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	63348	Lims Sample ID:	6
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:12	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:11:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.157	4.173	-0.016	16107	3.07	
1	4.157	4.170	-0.013	747		
6 2-Methylpentane						
1	5.337	5.333	0.004	2397		
2	5.343	5.343	0.000	17482	2.50	
7 Methyl tert-butyl ether						
1	5.780	5.787	-0.007	37148	3.16	
2	5.783	5.790	-0.007	12066		
S 24 VPH Adjustment 1						
1					9.15	
8 Isooctane						
1	8.613	8.610	0.003	11041		
2	8.617	8.610	0.007	16330	2.50	
9 Benzene						
1	9.343	9.343	0.000	86136	3.12	
2	9.347	9.350	-0.003	23721		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		214364	17.4	
11 Toluene						
1	13.257	13.257	0.000	88640	2.88	
2	13.257	13.260	-0.003	24829		
A 26 C6-C12						
2	14.305	4.660 - 23.950		615647	0	
S 25 VPH Adjustment 2						
1					12.9	

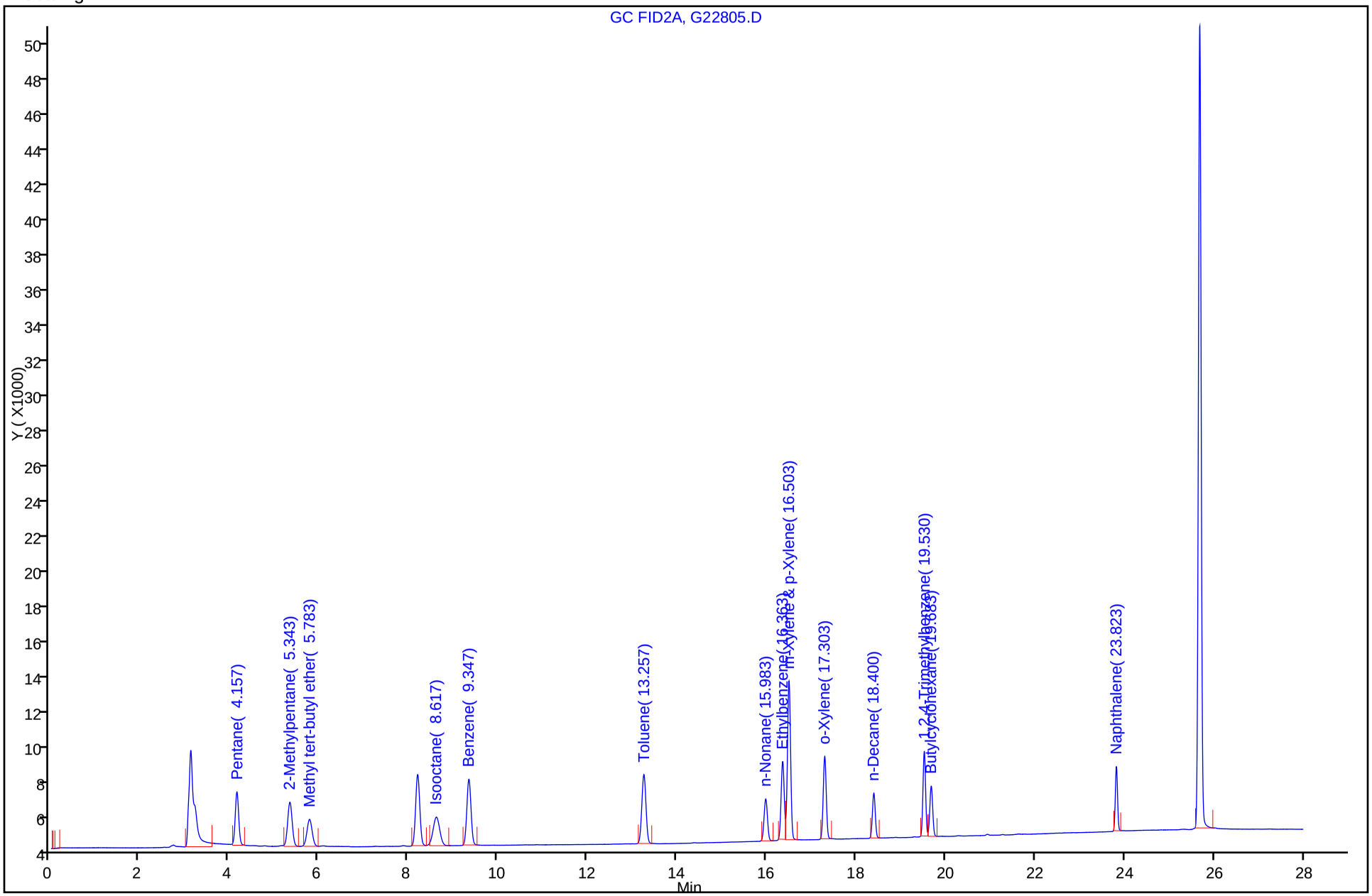
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.980	15.980	0.000	6038		
2	15.983	15.980	0.003	12303	2.50	
14 Ethylbenzene						
1	16.360	16.367	-0.007	76627	3.09	
2	16.363	16.363	0.000	21128		
15 m-Xylene & p-Xylene						
1	16.500	16.510	-0.010	180479	4.82	
2	16.503	16.517	-0.014	43537		
16 o-Xylene						
1	17.300	17.303	-0.003	80963	2.52	
2	17.303	17.303	0.000	21581		
17 n-Decane						
1	18.400	18.400	0.000	7408		
2	18.400	18.397	0.003	11125	2.50	
18 1,2,4-Trimethylbenzene						
1	19.527	19.530	-0.003	83882		
2	19.530	19.530	0.000	19351	2.86	
19 Butylcyclohexane						
1	19.683	19.680	0.003	30536		
2	19.683	19.687	-0.004	12667	2.50	
A 2 C9-C12 Aliphatics						
2	19.790	15.867	-23.740	270914	22.7	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	170463	2.48	
21 Naphthalene						
1	23.823	23.820	0.003	82375	2.54	
2	23.823	23.827	-0.004	12290		
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2541024	100.0	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	191781	99.0	

Report Date: 21-Sep-2010 10:33:12 Chrom Revision: 1.2 26-Aug-2010 12:10:50

Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22805.D

Injection Date:	20-Sep-2010 14:07:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	63348	Lims Sample ID:	6
Operator ID:	CR		

Y Scaling:



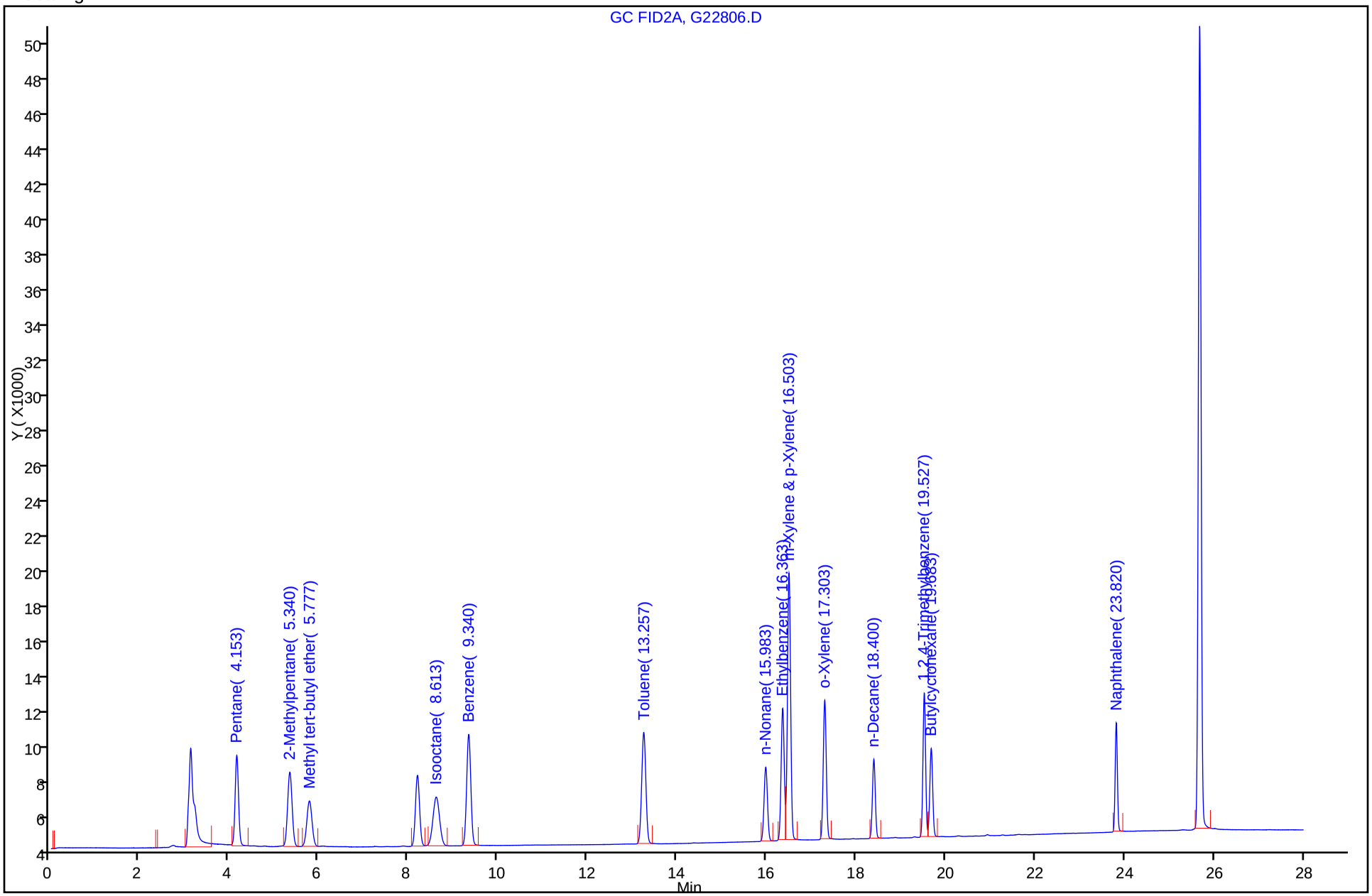
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22806.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	20-Sep-2010 14:40:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD5		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	63348	Lims Sample ID:	7
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:11	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:10:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.153	4.173	-0.020	26875	5.41	
1	4.153	4.170	-0.017	1386		
6 2-Methylpentane						
1	5.337	5.333	0.004	3957		
2	5.340	5.343	-0.003	29048	5.00	
7 Methyl tert-butyl ether						
1	5.773	5.787	-0.014	61151	5.56	
2	5.777	5.790	-0.013	20287		
S 24 VPH Adjustment 1						
1					16.4	
8 Isooctane						
1	8.607	8.610	-0.003	18673		
2	8.613	8.610	0.003	27901	5.00	
9 Benzene						
1	9.340	9.343	-0.003	143225	5.54	
2	9.340	9.350	-0.010	40071		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		286476	30.6	
11 Toluene						
1	13.253	13.257	-0.004	144003	5.34	
2	13.257	13.260	-0.003	39986		
A 26 C6-C12						
2	14.305	4.660 - 23.950		768565	0	
S 25 VPH Adjustment 2						
1					24.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.983	15.980	0.003	10509		
2	15.983	15.980	0.003	21671	5.00	
14 Ethylbenzene						
1	16.360	16.367	-0.007	127660	5.47	
2	16.363	16.363	0.000	35706		
15 m-Xylene & p-Xylene						
1	16.500	16.510	-0.010	301527	9.56	
2	16.503	16.517	-0.014	72738		
16 o-Xylene						
1	17.300	17.303	-0.003	135615	4.94	
2	17.303	17.303	0.000	36080		
17 n-Decane						
1	18.400	18.400	0.000	12655		
2	18.400	18.397	0.003	19617	5.00	
18 1,2,4-Trimethylbenzene						
1	19.527	19.530	-0.003	140587		
2	19.527	19.530	-0.003	32863	5.05	
19 Butylcyclohexane						
1	19.680	19.680	0.000	52579		
2	19.683	19.687	-0.004	22001	5.00	
A 2 C9-C12 Aliphatics						
2	19.783	15.847	-23.733	366453	38.4	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	226520	4.88	
21 Naphthalene						
1	23.820	23.820	0.000	137539	4.78	
2	23.820	23.827	-0.007	20783		
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2545136	100.2	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.690	-0.003	191154	98.7	

Report Date: 21-Sep-2010 10:33:11 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22806.D
Injection Date: 20-Sep-2010 14:40:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 7
Operator ID: CR
Y Scaling:



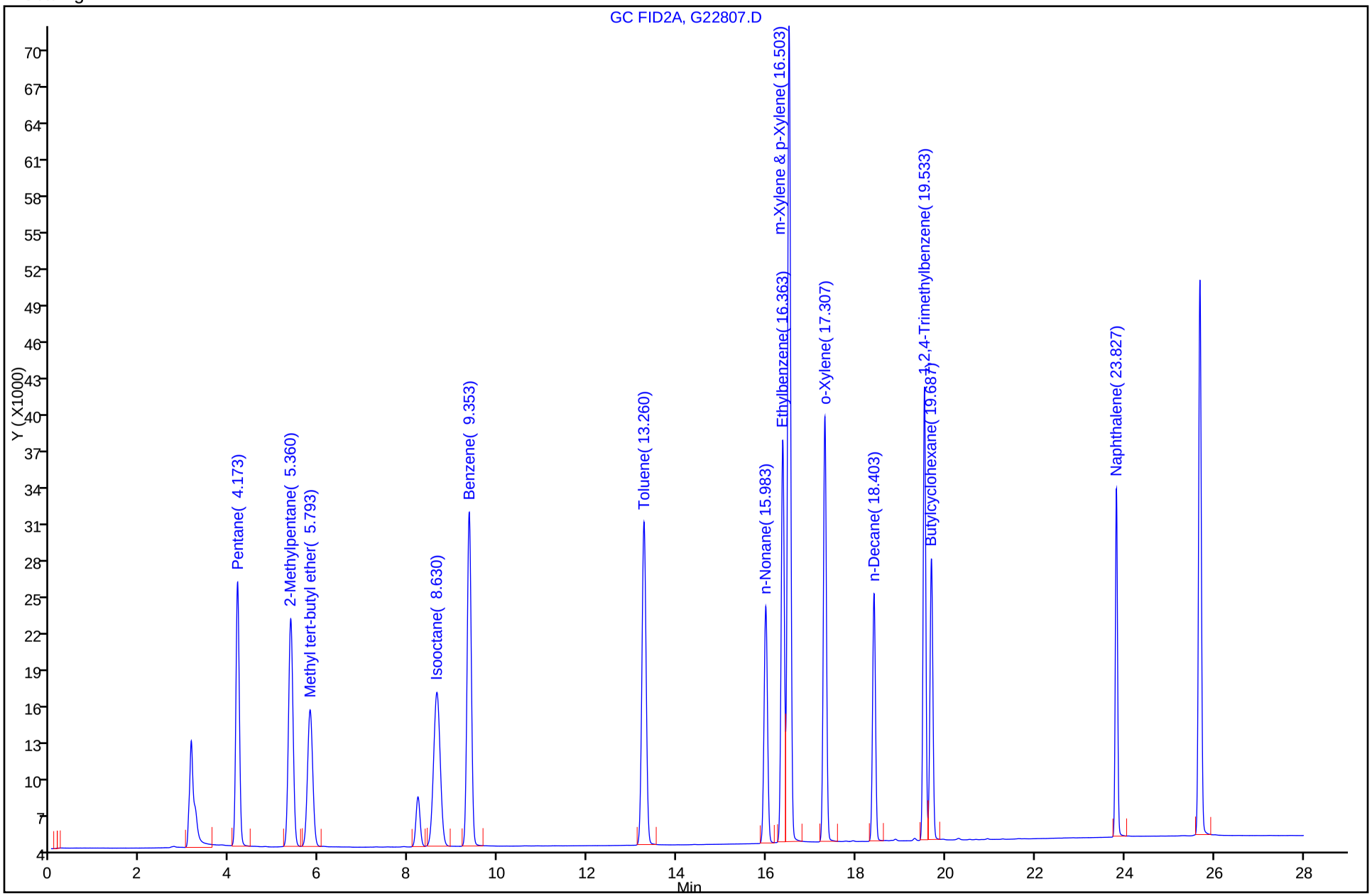
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22807.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	20-Sep-2010 15:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	63348	Lims Sample ID:	8
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:10	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:09:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.173	4.173	0.000	116817	25.0	
1	4.170	4.170	0.000	6371		
6 2-Methylpentane						
1	5.360	5.333	0.027	17919		
2	5.360	5.343	0.017	131231	25.0	
7 Methyl tert-butyl ether						
1	5.790	5.787	0.003	266322	26.1	
2	5.793	5.790	0.003	90561		
S 24 VPH Adjustment 1						
1					77.9	
8 Isooctane						
1	8.627	8.610	0.017	83942		
2	8.630	8.610	0.020	130097	25.0	
9 Benzene						
1	9.350	9.343	0.007	622213	25.9	
2	9.353	9.350	0.003	177848		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		925578	147.6	
11 Toluene						
1	13.257	13.257	0.000	606481	25.9	
2	13.260	13.260	0.000	171544		
A 26 C6-C12						
2	14.305	4.660 - 23.950		2171439	0	
S 25 VPH Adjustment 2						
1					130.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.980	15.980	0.000	47663		
2	15.983	15.980	0.003	103393	25.0	
14 Ethylbenzene						
1	16.360	16.367	-0.007	580722	26.6	
2	16.363	16.363	0.000	161440		
15 m-Xylene & p-Xylene						
1	16.503	16.510	-0.007	1353476	51.1	
2	16.503	16.517	-0.014	330757		
16 o-Xylene						
1	17.303	17.303	0.000	597488	25.6	
2	17.307	17.303	0.004	165009		
17 n-Decane						
1	18.403	18.400	0.003	57532		
2	18.403	18.397	0.006	91405	25.0	
18 1,2,4-Trimethylbenzene						
1	19.530	19.530	0.000	646625		
2	19.533	19.530	0.003	153603	24.6	
19 Butylcyclohexane						
1	19.687	19.680	0.007	243682		
2	19.687	19.687	0.000	104095	25.0	
A 2 C9-C12 Aliphatics						
2	19.763	15.840	-23.727	1248768	182.9	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	741819	27.0	
21 Naphthalene						
1	23.823	23.820	0.003	644533	25.5	
2	23.827	23.827	0.000	99067		
$ 22 2,5-Dibromotoluene (pid)						
1	25.690	25.683	0.007	2571494	101.2	
$ 23 2,5-Dibromotoluene (fid)						
2	25.693	25.690	0.003	193726	100.0	

Report Date: 21-Sep-2010 10:33:10 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22807.D
Injection Date: 20-Sep-2010 15:13:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 8
Operator ID: CR
Y Scaling:



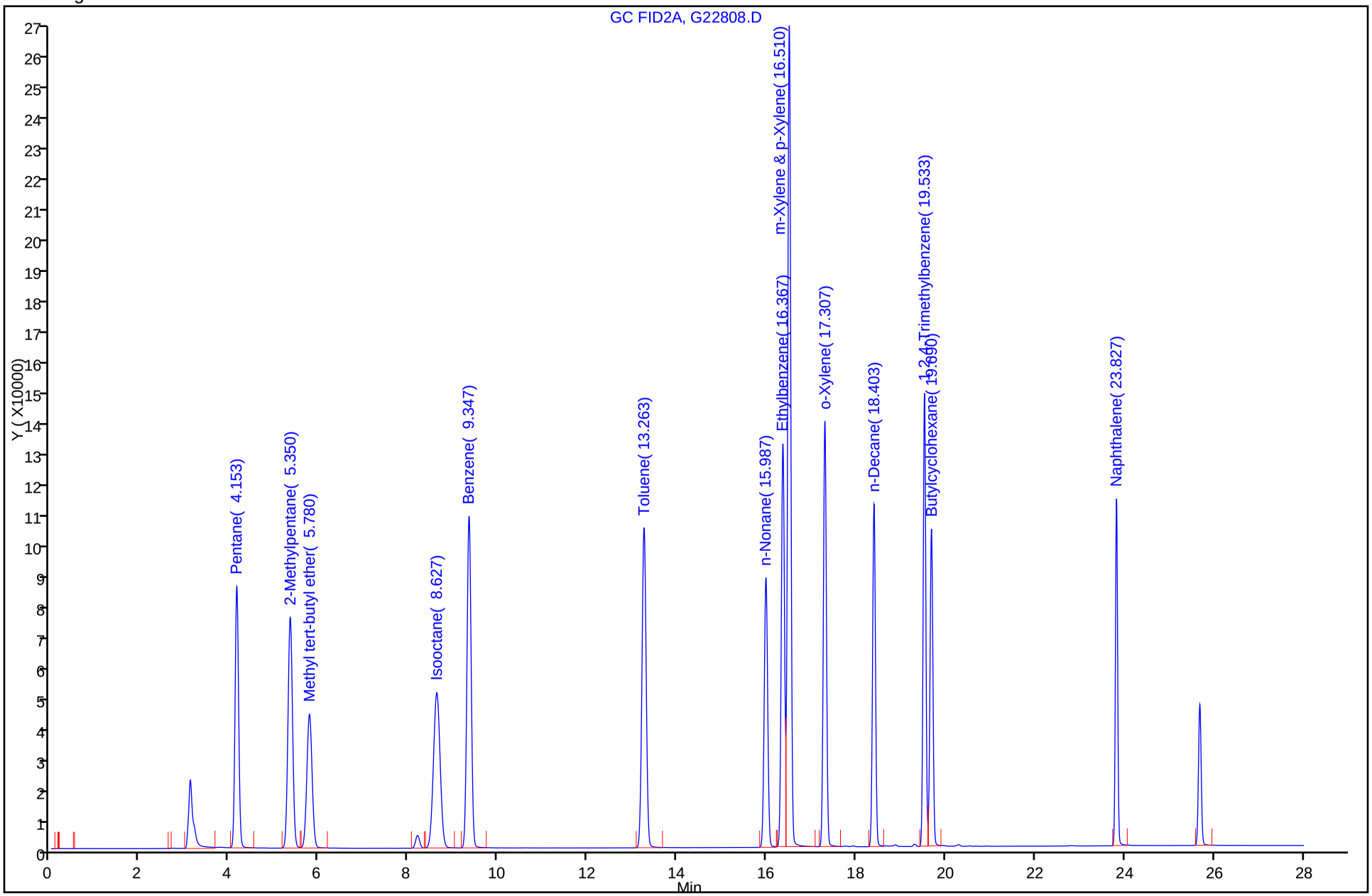
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22808.D		
Lims ID:	STD100	Client ID:	
Inject. Date:	20-Sep-2010 15:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD100		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	63348	Lims Sample ID:	9
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:27	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:33:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.153	4.190	-0.037	470252	101.7	
1	4.153	4.187	-0.034	25106		
6 2-Methylpentane						
1	5.347	5.333	0.014	70910		
2	5.350	5.343	0.007	531738	100.0	
7 Methyl tert-butyl ether						
1	5.777	5.787	-0.010	1024749	102.1	
2	5.780	5.790	-0.010	355220		
S 24 VPH Adjustment 1						
1					308.7	
8 Isooctane						
1	8.623	8.610	0.013	336370		
2	8.627	8.610	0.017	524751	100.0	
9 Benzene						
1	9.343	9.343	0.000	2437639	103.0	
2	9.347	9.350	-0.003	704225		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3384645	597.8	
11 Toluene						
1	13.260	13.257	0.003	2352346	103.7	
2	13.263	13.260	0.003	678394		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7742738	0	
S 25 VPH Adjustment 2						
1					519.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.987	15.980	0.007	204981		
2	15.987	15.980	0.007	469501	100.0	
14 Ethylbenzene						
1	16.363	16.367	-0.004	2241973	104.1	
2	16.367	16.370	-0.003	650421		
15 m-Xylene & p-Xylene						
1	16.507	16.510	-0.003	5124310	206.5	
2	16.510	16.517	-0.007	1309243		
16 o-Xylene						
1	17.303	17.303	0.000	2253685	101.9	
2	17.307	17.307	0.000	653468		
17 n-Decane						
1	18.403	18.400	0.003	293124		
2	18.403	18.397	0.006	502904	100.0	
18 1,2,4-Trimethylbenzene						
1	19.530	19.530	0.000	2485846		
2	19.533	19.533	0.000	609936	98.6	
19 Butylcyclohexane						
1	19.687	19.680	0.007	1038983		
2	19.690	19.687	0.003	465116	100.0	
A 2 C9-C12 Aliphatics						
2	19.767	15.813	-23.720	4829008	769.4	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2618894	107.5	
21 Naphthalene						
1	23.823	23.823	0.000	2448720	101.3	
2	23.827	23.830	-0.003	392311		
$ 22 2,5-Dibromotoluene (pid)						
1	25.687	25.683	0.004	2533628	99.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	194029	100.1	

Report Date: 21-Sep-2010 10:33:27 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22808.D
Injection Date: 20-Sep-2010 15:46:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 9
Operator ID: CR
Y Scaling:



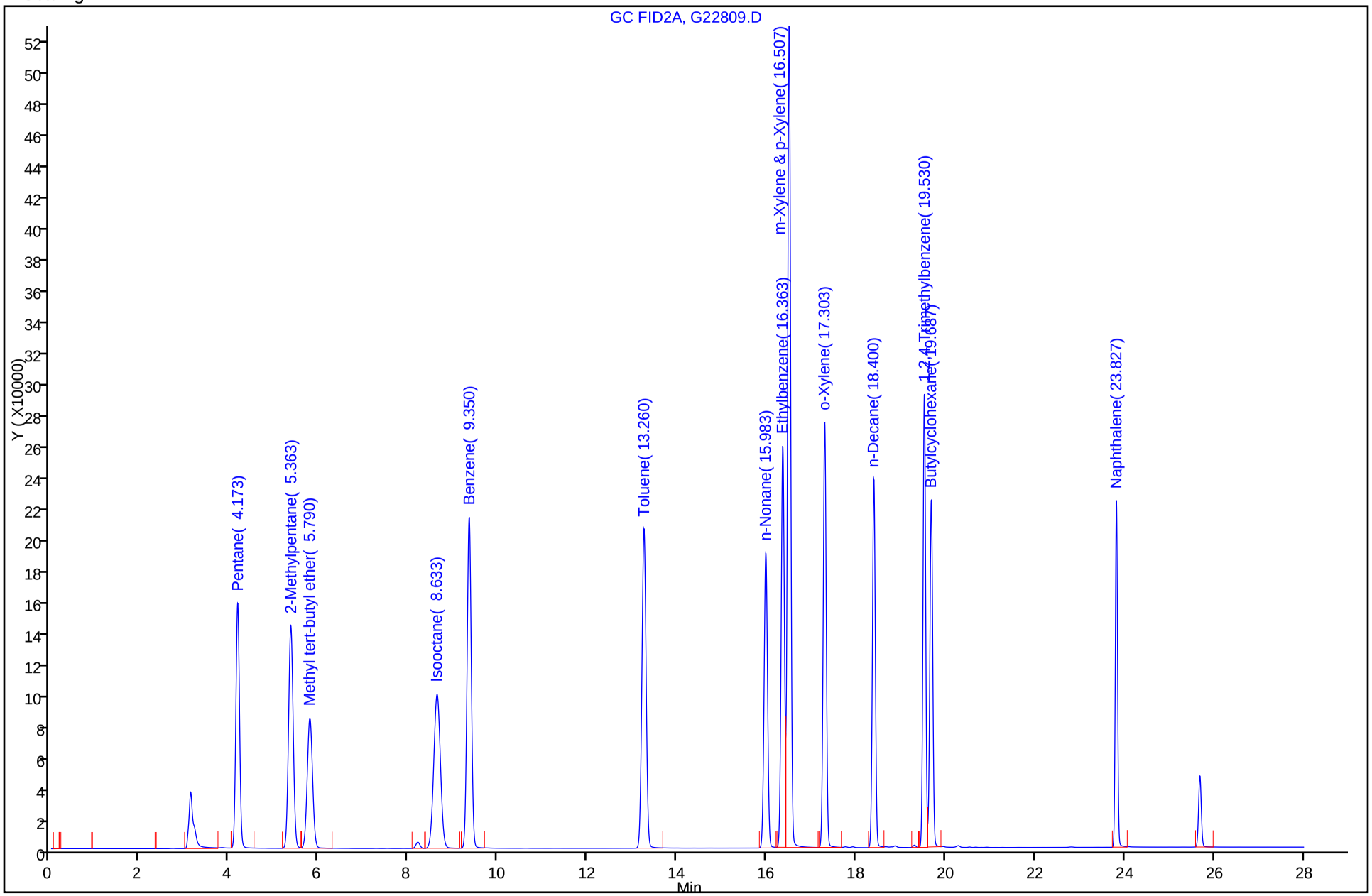
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22809.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	20-Sep-2010 16:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD200		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	63348	Lims Sample ID:	10
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:07	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:07:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.173	4.173	0.000	903954	195.9	
1	4.170	4.170	0.000	44797		
6 2-Methylpentane						
1	5.360	5.333	0.027	127650		
2	5.363	5.343	0.020	1026707	200.0	
7 Methyl tert-butyl ether						
1	5.787	5.787	0.000	1980779	197.8	
2	5.790	5.790	0.000	693921		
S 24 VPH Adjustment 1						
1					599.0	
8 Isooctane						
1	8.630	8.610	0.020	646744		
2	8.633	8.610	0.023	1029657	200.0	
9 Benzene						
1	9.347	9.343	0.004	4728163	200.3	
2	9.350	9.350	0.000	1392203		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		6527828	1173.3	
11 Toluene						
1	13.257	13.257	0.000	4537078	200.9	
2	13.260	13.260	0.000	1339699		
A 26 C6-C12						
2	14.305	4.660 - 23.950		15199837	0	
S 25 VPH Adjustment 2						
1					999.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.983	15.980	0.003	420738		
2	15.983	15.980	0.003	1020988	200.0	
14 Ethylbenzene						
1	16.360	16.367	-0.007	4342913	202.0	
2	16.363	16.363	0.000	1269066		
15 m-Xylene & p-Xylene						
1	16.503	16.510	-0.007	9345962	394.4	
2	16.507	16.517	-0.010	2578231		
16 o-Xylene						
1	17.300	17.303	-0.003	4232707	198.4	
2	17.303	17.303	0.000	1294722		
17 n-Decane						
1	18.400	18.400	0.000	593146		
2	18.400	18.397	0.003	1073226	200.0	
18 1,2,4-Trimethylbenzene						
1	19.527	19.530	-0.003	4692126		
2	19.530	19.530	0.000	1208823	195.7	
19 Butylcyclohexane						
1	19.680	19.680	0.000	2114818		
2	19.687	19.687	0.000	1014065	200.0	
A 2 C9-C12 Aliphatics						
2	19.767	15.820	-23.713	9693938	1566.2	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	4876078	204.3	
21 Naphthalene						
1	23.820	23.820	0.000	4655558	198.8	
2	23.827	23.827	0.000	779751		
$ 22 2,5-Dibromotoluene (pid)						
1	25.687	25.683	0.004	2474690	97.4	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	195123	100.7	

Report Date: 21-Sep-2010 10:33:08 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22809.D
Injection Date: 20-Sep-2010 16:19:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 10
Operator ID: CR
Y Scaling:



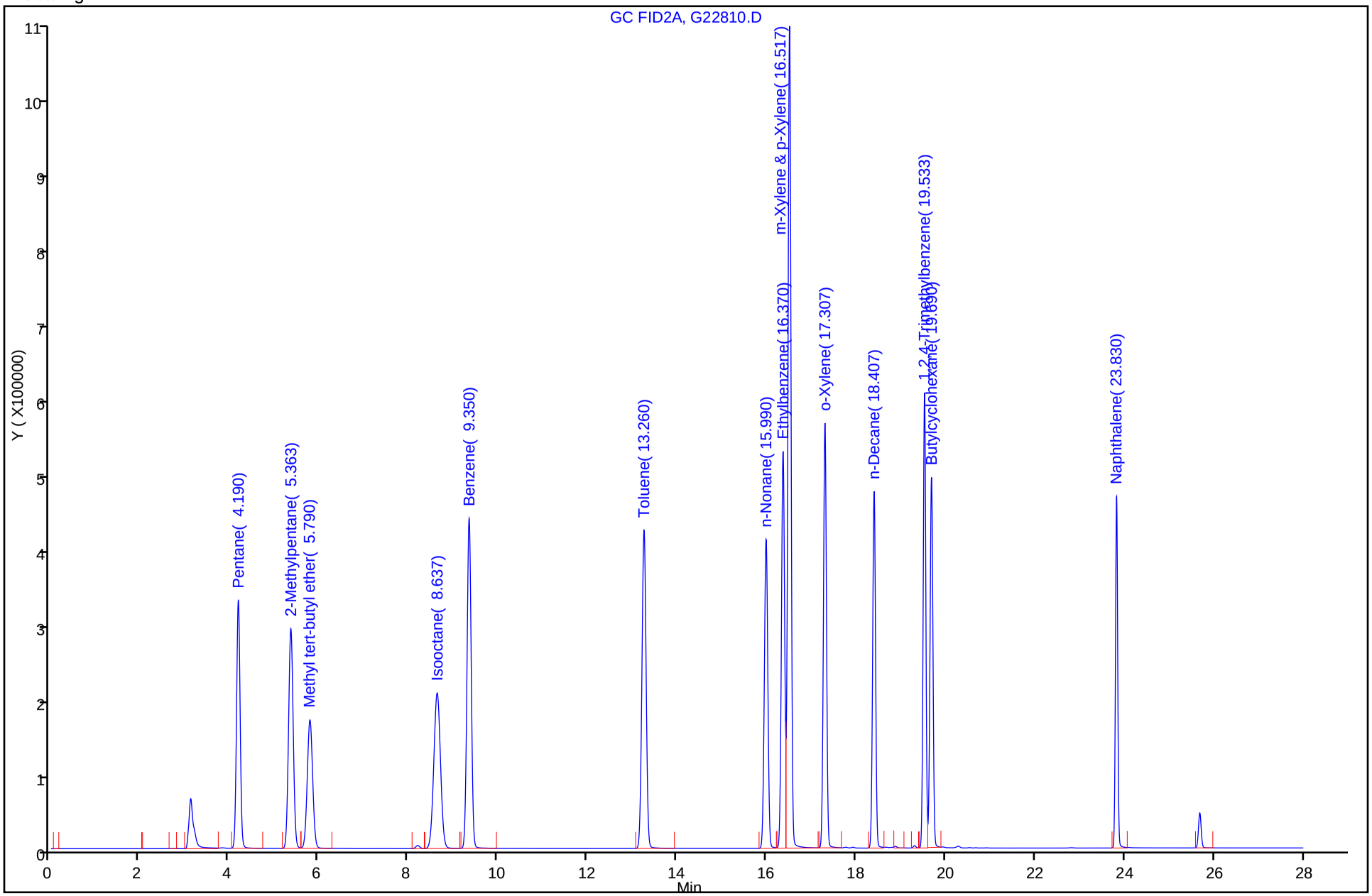
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Lims ID:	STD400	Client ID:	
Inject. Date:	20-Sep-2010 16:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD400		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	63348	Lims Sample ID:	11
Sublist:	chrom-WESVPHG*sub9		
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\WESVPHG.m		
Last Update:	21-Sep-2010 10:33:06	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	21-Sep-2010 10:08:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.190	4.160	0.030	1849283	401.3	
1	4.187	4.790	-0.603	86710		
6 2-Methylpentane						
1	5.360	5.333	0.027	254638		
2	5.363	5.343	0.020	2103094	400.0	
7 Methyl tert-butyl ether						
1	5.787	5.787	0.000	3977738	397.8	
2	5.790	5.793	-0.003	1433622		
S 24 VPH Adjustment 1						
1					1186.1	
8 Isooctane						
1	8.633	8.610	0.023	1326347		
2	8.637	8.610	0.027	2162456	400.0	
9 Benzene						
1	9.343	9.343	0.000	9306107	394.7	
2	9.350	9.350	0.000	2883505		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		13377984	2427.4	
11 Toluene						
1	13.257	13.257	0.000	8864102	393.6	
2	13.260	13.253	0.007	2774436		
A 26 C6-C12						
2	14.305	4.660 - 23.950		31330755	0	
S 25 VPH Adjustment 2						
1					1979.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.990	15.980	0.010	880393		
2	15.990	15.980	0.010	2246715	400.0	
14 Ethylbenzene						
1	16.367	16.367	0.000	8401248	391.3	
2	16.370	16.357	0.013	2638809		
15 m-Xylene & p-Xylene						
1	16.510	16.510	0.000	17215160	801.2	
2	16.517	16.517	0.000	5399923		
16 o-Xylene						
1	17.303	17.303	0.000	7957120	400.3	
2	17.307	17.300	0.007	2680820		
17 n-Decane						
1	18.403	18.400	0.003	1108327		
2	18.407	18.397	0.010	2162904	400.0	
18 1,2,4-Trimethylbenzene						
1	19.530	19.530	0.000	8798964		
2	19.533	19.527	0.006	2503598	405.6	
19 Butylcyclohexane						
1	19.687	19.680	0.007	4133818		
2	19.690	19.687	0.003	2243638	400.0	
A 2 C9-C12 Aliphatics						
2	19.767	15.813	-23.713	20151324	3279.2	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	9117883	386.3	
21 Naphthalene						
1	23.823	23.823	0.000	8813561	400.2	
2	23.830	23.823	0.007	1635711		
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.683	0.000	2375989	93.5	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.690	0.000	199157	102.8	

Report Date: 21-Sep-2010 10:33:07 Chrom Revision: 1.2 26-Aug-2010 12:10:50
Data File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Injection Date: 20-Sep-2010 16:52:30 Limit Group: GC MA VPH
Client ID: Instrument ID: Inst. G
Lims Batch ID: 63348 Lims Sample ID: 11
Operator ID: CR
Y Scaling:



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67516/2 Calibration Date: 12/21/2010 14:47

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23890.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl tert-butyl ether	Lin1		9074		90.3	100	-9.7	25.0
Benzene	Lin1		25894		109	100	9.4	25.0
Toluene	Lin1		24752		109	100	9.1	25.0
Ethylbenzene	Lin1		23400		109	100	8.6	25.0
m-Xylene & p-Xylene	Qua		26251		212	200	5.9	25.0
o-Xylene	Qua		23098		105	100	4.5	25.0
C9-C10 Aromatics	Lin1		26479		109	100	8.7	25.0
Naphthalene	Qua		19917		81.8	100	-18.2	25.0
2,5-Dibromotoluene (pid)	Ave	25399	23449		92.3	100	-7.7	30.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67516/2 Calibration Date: 12/21/2010 14:47

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23890.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methyl tert-butyl ether	5.87	5.67	6.07
Benzene	9.38	9.18	9.58
Toluene	13.26	13.06	13.46
Ethylbenzene	16.36	16.16	16.56
m-Xylene & p-Xylene	16.50	16.30	16.70
o-Xylene	17.30	17.10	17.50
C9-C10 Aromatics	20.57	17.42	23.72
Naphthalene	23.82	23.62	24.02
2,5-Dibromotoluene (pid)	25.67	25.47	25.87

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23890.D
Lims ID: CCVRT Client ID:
Inject. Date: 21-Dec-2010 14:47:30 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCV
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 67516 Lims Sample ID: 2
Sublist: chrom-WESVPHG*sub9
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 08:53:24 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:53:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.287	4.287	0.000	480036	103.9	
1	4.283	4.283	0.000	32699		
6 2-Methylpentane						
1	5.450	5.450	0.000	88292		
2	5.453	5.453	0.000	540001	0	
7 Methyl tert-butyl ether						
1	5.867	5.867	0.000	907439	90.3	
2	5.870	5.870	0.000	302060		
S 24 VPH Adjustment 1						
1					308.9	
8 Isooctane						
1	8.670	8.670	0.000	371509		
2	8.670	8.670	0.000	526940	0	
9 Benzene						
1	9.377	9.377	0.000	2589443	109.4	
2	9.383	9.383	0.000	709391		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3337379	589.2	
11 Toluene						
1	13.263	13.263	0.000	2475173	109.1	
2	13.270	13.270	0.000	680197		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7550921	0	
S 25 VPH Adjustment 2						
1					533.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.983	15.983	0.000	228067		
2	15.983	15.983	0.000	461629	0	
14 Ethylbenzene						
1	16.360	16.360	0.000	2340006	108.6	
2	16.360	16.360	0.000	647150		
15 m-Xylene & p-Xylene						
1	16.500	16.500	0.000	5250261	211.9	
2	16.503	16.503	0.000	1312095		
16 o-Xylene						
1	17.297	17.297	0.000	2309846	104.5	
2	17.300	17.300	0.000	653671		
17 n-Decane						
1	18.393	18.393	0.000	330334		
2	18.397	18.397	0.000	500721	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2549370		
2	19.523	19.523	0.000	607659	98.2	
19 Butylcyclohexane						
1	19.677	19.677	0.000	1063580		
2	19.680	19.680	0.000	457809	0	
A 2 C9-C12 Aliphatics						
2	19.773	15.827	-23.713	4790720	763.1	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2647877	108.7	
21 Naphthalene						
1	23.817	23.817	0.000	1991680	81.8	
2	23.820	23.820	0.000	309200		
$ 22 2,5-Dibromotoluene (pid)						
1	25.673	25.673	0.000	2344932	92.3	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.683	0.000	176469	91.1	

Report Date: 22-Dec-2010 08:53:24 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23890.D

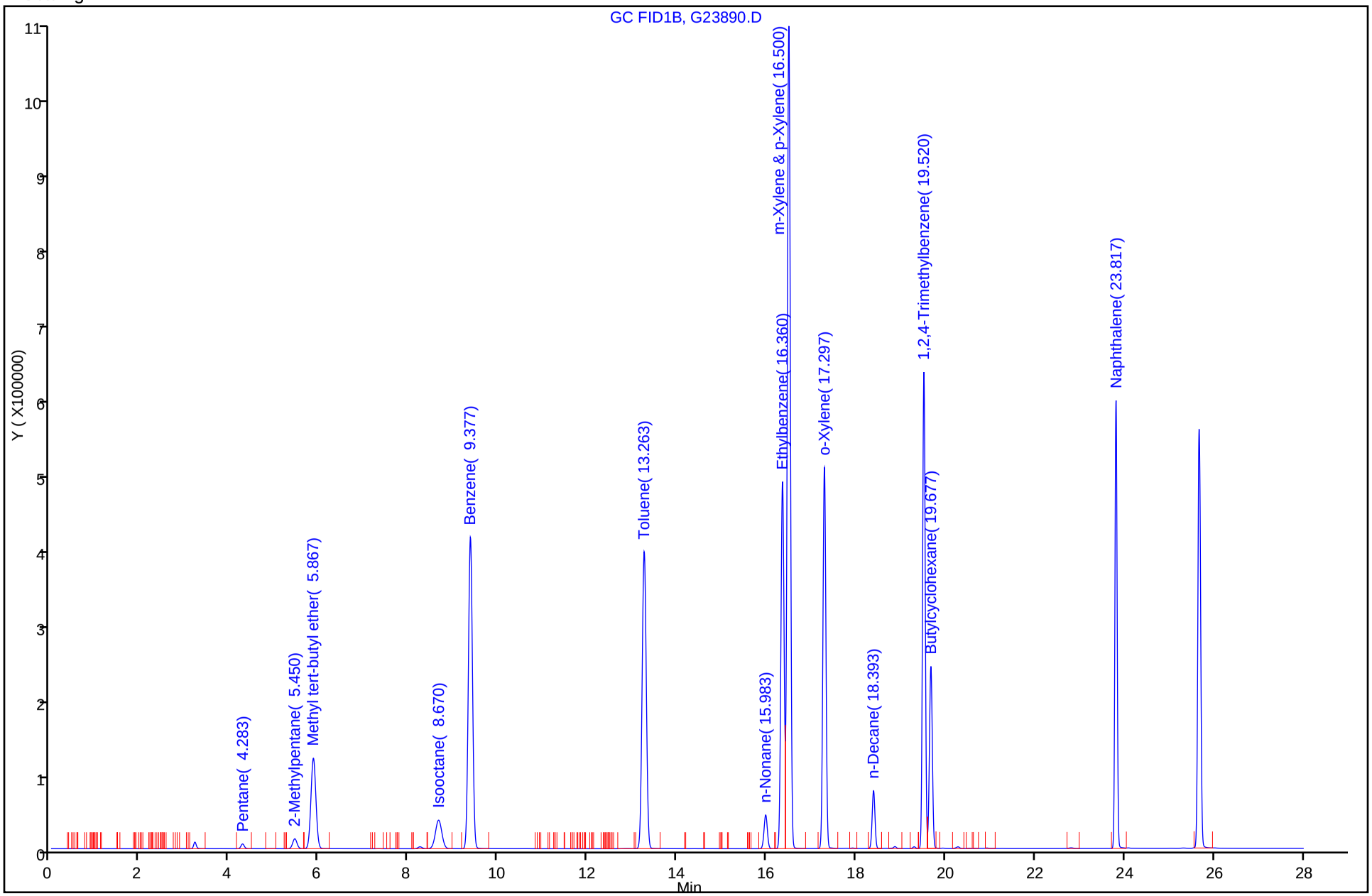
Injection Date: 21-Dec-2010 14:47:30 Limit Group: GC MA VPH

Client ID: Instrument ID: Inst. G

Lims Batch ID: 67516 Lims Sample ID: 2

Operator ID: CR

Y Scaling:



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67516/2 Calibration Date: 12/21/2010 14:47

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23890.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentane	Lin1		4800		104	100	3.9	25.0
C5-C8 Aliphatics (unadjusted)	Lin1		5562		589	600	-1.8	25.0
1,2,4-Trimethylbenzene	Lin1		6077		98.2	100	-1.8	25.0
C9-C12 Aliphatics (unadjusted)	Lin1		5988		763	800	-4.6	25.0
2,5-Dibromotoluene (fid)	Ave	1938	1765		91.1	100	-8.9	30.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67516/2 Calibration Date: 12/21/2010 14:47

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23890.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Pentane	4.29	4.09	4.49
C5-C8 Aliphatics (unadjusted)	9.51	3.18	15.84
1,2,4-Trimethylbenzene	19.52	19.32	19.72
C9-C12 Aliphatics (unadjusted)	19.77	15.83	23.71
2,5-Dibromotoluene (fid)	25.68	25.48	25.88

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23890.D
Lims ID: CCVRT Client ID:
Inject. Date: 21-Dec-2010 14:47:30 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCV
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 67516 Lims Sample ID: 2
Sublist: chrom-WESVPHG*sub9
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 08:53:24 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:53:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.287	4.287	0.000	480036	103.9	
1	4.283	4.283	0.000	32699		
6 2-Methylpentane						
1	5.450	5.450	0.000	88292		
2	5.453	5.453	0.000	540001	0	
7 Methyl tert-butyl ether						
1	5.867	5.867	0.000	907439	90.3	
2	5.870	5.870	0.000	302060		
S 24 VPH Adjustment 1						
1					308.9	
8 Isooctane						
1	8.670	8.670	0.000	371509		
2	8.670	8.670	0.000	526940	0	
9 Benzene						
1	9.377	9.377	0.000	2589443	109.4	
2	9.383	9.383	0.000	709391		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3337379	589.2	
11 Toluene						
1	13.263	13.263	0.000	2475173	109.1	
2	13.270	13.270	0.000	680197		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7550921	0	
S 25 VPH Adjustment 2						
1					533.8	

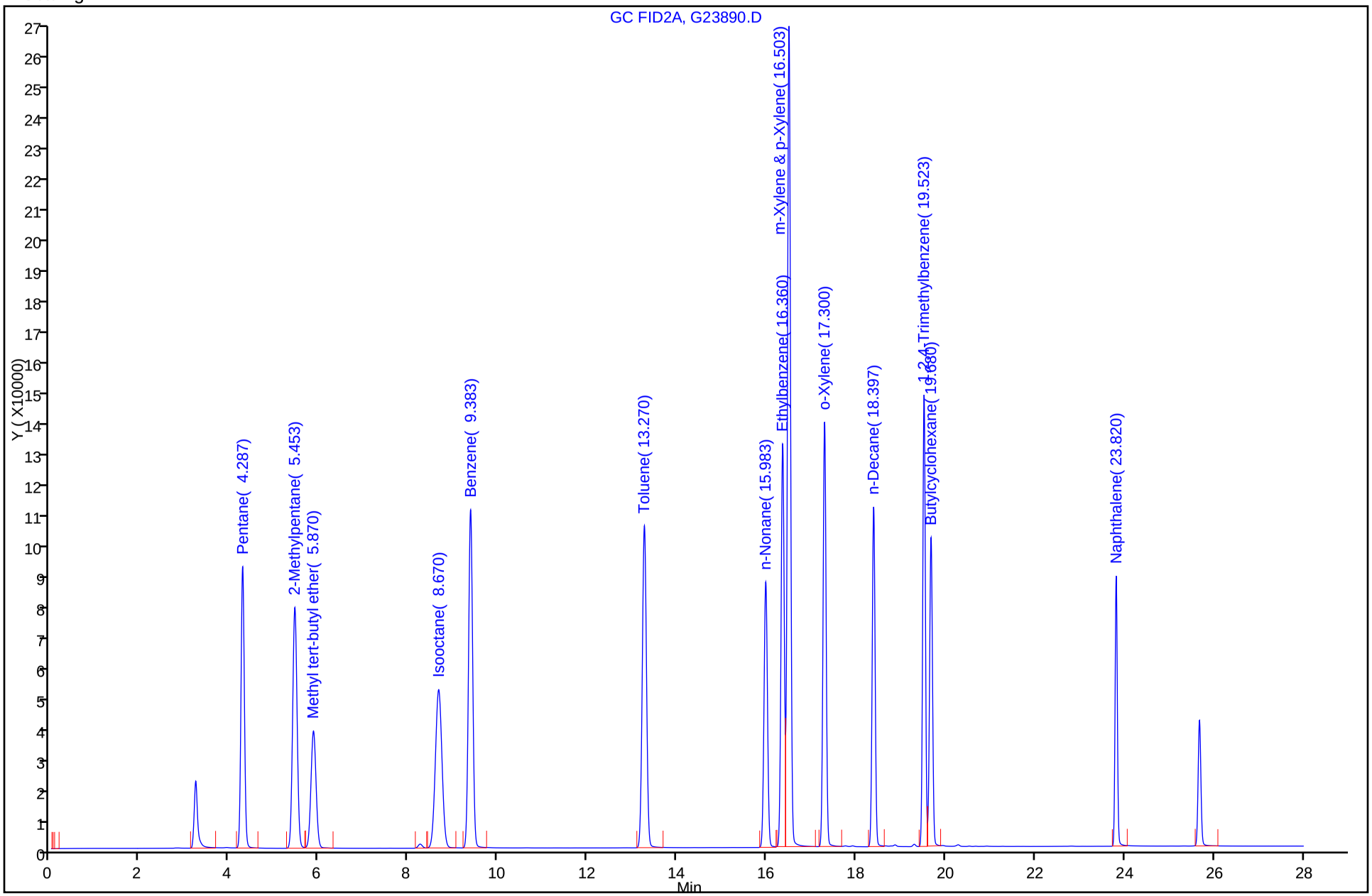
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.983	15.983	0.000	228067		
2	15.983	15.983	0.000	461629	0	
14 Ethylbenzene						
1	16.360	16.360	0.000	2340006	108.6	
2	16.360	16.360	0.000	647150		
15 m-Xylene & p-Xylene						
1	16.500	16.500	0.000	5250261	211.9	
2	16.503	16.503	0.000	1312095		
16 o-Xylene						
1	17.297	17.297	0.000	2309846	104.5	
2	17.300	17.300	0.000	653671		
17 n-Decane						
1	18.393	18.393	0.000	330334		
2	18.397	18.397	0.000	500721	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2549370		
2	19.523	19.523	0.000	607659	98.2	
19 Butylcyclohexane						
1	19.677	19.677	0.000	1063580		
2	19.680	19.680	0.000	457809	0	
A 2 C9-C12 Aliphatics						
2	19.773	15.827	-23.713	4790720	763.1	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2647877	108.7	
21 Naphthalene						
1	23.817	23.817	0.000	1991680	81.8	
2	23.820	23.820	0.000	309200		
$ 22 2,5-Dibromotoluene (pid)						
1	25.673	25.673	0.000	2344932	92.3	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.683	0.000	176469	91.1	

Report Date: 22-Dec-2010 08:53:24 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23890.D

Injection Date:	21-Dec-2010 14:47:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	2
Operator ID:	CR		

Y Scaling:



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67516/18 Calibration Date: 12/21/2010 23:37

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23906.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl tert-butyl ether	Lin1		9112		90.7	100	-9.3	25.0
Benzene	Lin1		25503		108	100	7.8	25.0
Toluene	Lin1		24333		107	100	7.3	25.0
Ethylbenzene	Lin1		23272		108	100	8.0	25.0
m-Xylene & p-Xylene	Qua		25530		206	200	2.9	25.0
o-Xylene	Qua		22554		102	100	1.9	25.0
C9-C10 Aromatics	Lin1		25936		106	100	6.4	25.0
Naphthalene	Qua		19545		80.2	100	-19.8	25.0
2,5-Dibromotoluene (pid)	Ave	25399	23170		91.2	100	-8.8	30.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67516/18 Calibration Date: 12/21/2010 23:37

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23906.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methyl tert-butyl ether	5.87	5.67	6.07
Benzene	9.38	9.18	9.58
Toluene	13.26	13.06	13.46
Ethylbenzene	16.35	16.15	16.55
m-Xylene & p-Xylene	16.50	16.30	16.70
o-Xylene	17.29	17.09	17.49
C9-C10 Aromatics	20.57	17.42	23.72
Naphthalene	23.82	23.62	24.02
2,5-Dibromotoluene (pid)	25.68	25.48	25.88

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23906.D
Lims ID: CCV Client ID:
Inject. Date: 21-Dec-2010 23:37:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 18
Lims Batch ID: 67516 Lims Sample ID: 18
Sublist: chrom-WESVPHG*sub9
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 09:00:42 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 09:00:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.290	4.290	0.000	448731	97.1	
1	4.290	4.290	0.000	27824		
6 2-Methylpentane						
1	5.457	5.450	0.007	76329		
2	5.457	5.453	0.004	503694	0	
7 Methyl tert-butyl ether						
1	5.870	5.870	0.000	911233	90.7	
2	5.873	5.873	0.000	305472		
S 24 VPH Adjustment 1						
1					305.7	
8 Isooctane						
1	8.667	8.670	-0.003	337253		
2	8.667	8.670	-0.003	491208	0	
9 Benzene						
1	9.380	9.380	0.000	2550254	107.8	
2	9.380	9.380	0.000	709126		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3236164	570.6	
11 Toluene						
1	13.260	13.260	0.000	2433280	107.3	
2	13.263	13.263	0.000	678917		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7366030	0	
S 25 VPH Adjustment 2						
1					522.1	

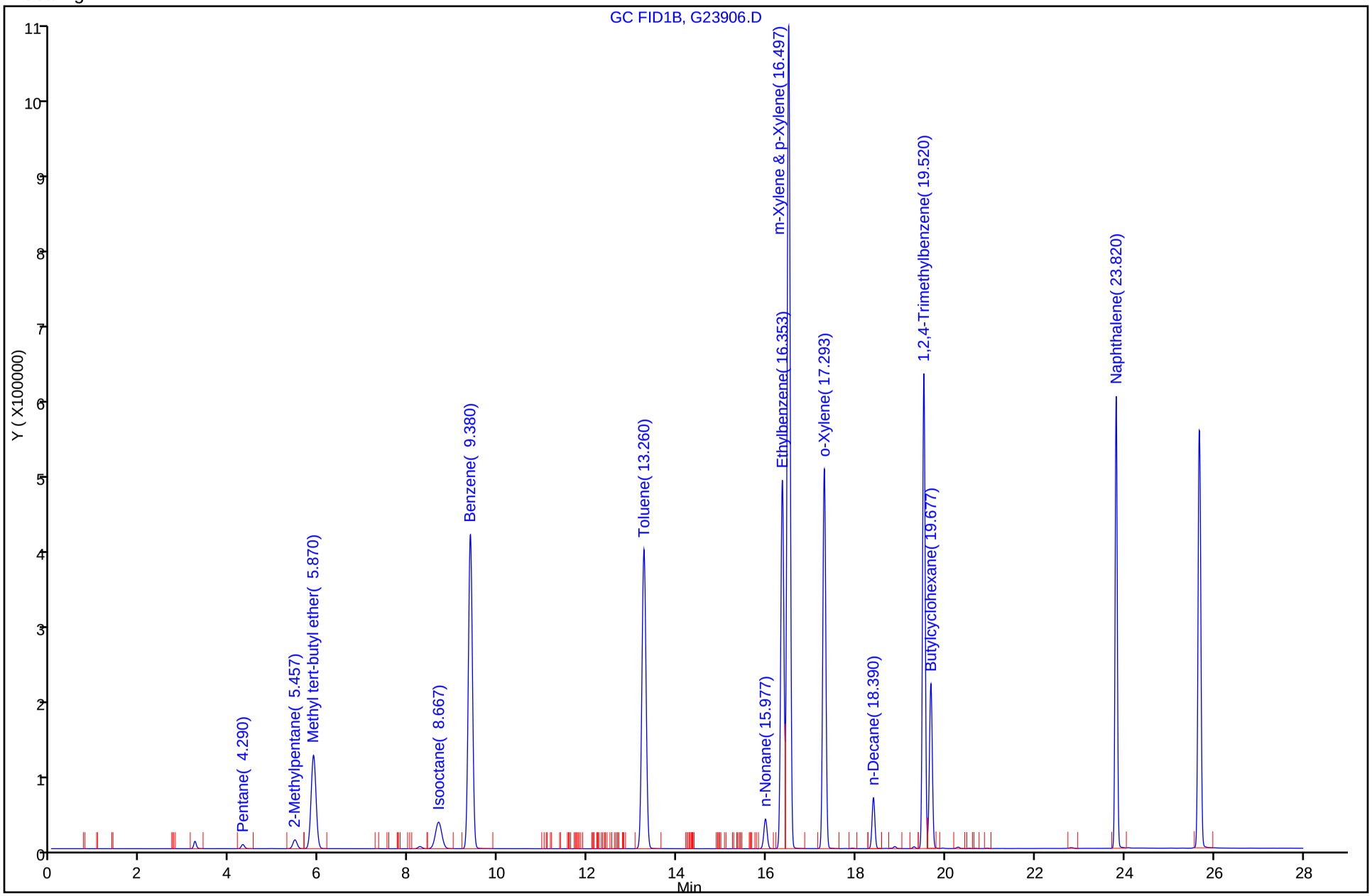
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.977	15.983	-0.006	195769		
2	15.977	15.983	-0.006	412087	0	
14 Ethylbenzene						
1	16.353	16.353	0.000	2327189	108.0	
2	16.357	16.357	0.000	642546		
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5106079	205.7	
2	16.500	16.500	0.000	1312758		
16 o-Xylene						
1	17.293	17.293	0.000	2255376	101.9	
2	17.297	17.297	0.000	650648		
17 n-Decane						
1	18.390	18.393	-0.003	283407		
2	18.393	18.397	-0.004	444714	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2483214		
2	19.523	19.523	0.000	600799	97.1	
19 Butylcyclohexane						
1	19.677	19.677	0.000	942766		
2	19.677	19.680	-0.003	411689	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4634522	737.5	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2593607	106.4	
21 Naphthalene						
1	23.820	23.820	0.000	1954489	80.2	
2	23.823	23.823	0.000	309248		
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2316995	91.2	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	179738	92.8	

Report Date: 22-Dec-2010 09:00:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23906.D

Injection Date:	21-Dec-2010 23:37:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	18
Operator ID:	CR		

Y Scaling:



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67516/18 Calibration Date: 12/21/2010 23:37

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23906.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentane	Lin1		4487		97.1	100	-2.9	25.0
C5-C8 Aliphatics (unadjusted)	Lin1		5394		571	600	-4.9	25.0
1,2,4-Trimethylbenzene	Lin1		6008		97.1	100	-2.9	25.0
C9-C12 Aliphatics (unadjusted)	Lin1		5793		738	800	-7.8	25.0
2,5-Dibromotoluene (fid)	Ave	1938	1797		92.8	100	-7.2	30.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67516/18 Calibration Date: 12/21/2010 23:37

Instrument ID: Inst. G Calib Start Date: 09/20/2010 13:01

GC Column: RTX-502.2 ID: 0.53(mm) Calib End Date: 09/20/2010 16:52

Lab File ID: G23906.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Pentane	4.29	4.09	4.49
C5-C8 Aliphatics (unadjusted)	9.51	3.18	15.84
1,2,4-Trimethylbenzene	19.52	19.32	19.72
C9-C12 Aliphatics (unadjusted)	19.77	15.82	23.72
2,5-Dibromotoluene (fid)	25.69	25.49	25.89

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23906.D
Lims ID: CCV Client ID:
Inject. Date: 21-Dec-2010 23:37:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 18
Lims Batch ID: 67516 Lims Sample ID: 18
Sublist: chrom-WESVPHG*sub9
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 09:00:42 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 09:00:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.290	4.290	0.000	448731	97.1	
1	4.290	4.290	0.000	27824		
6 2-Methylpentane						
1	5.457	5.450	0.007	76329		
2	5.457	5.453	0.004	503694	0	
7 Methyl tert-butyl ether						
1	5.870	5.870	0.000	911233	90.7	
2	5.873	5.873	0.000	305472		
S 24 VPH Adjustment 1						
1					305.7	
8 Isooctane						
1	8.667	8.670	-0.003	337253		
2	8.667	8.670	-0.003	491208	0	
9 Benzene						
1	9.380	9.380	0.000	2550254	107.8	
2	9.380	9.380	0.000	709126		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3236164	570.6	
11 Toluene						
1	13.260	13.260	0.000	2433280	107.3	
2	13.263	13.263	0.000	678917		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7366030	0	
S 25 VPH Adjustment 2						
1					522.1	

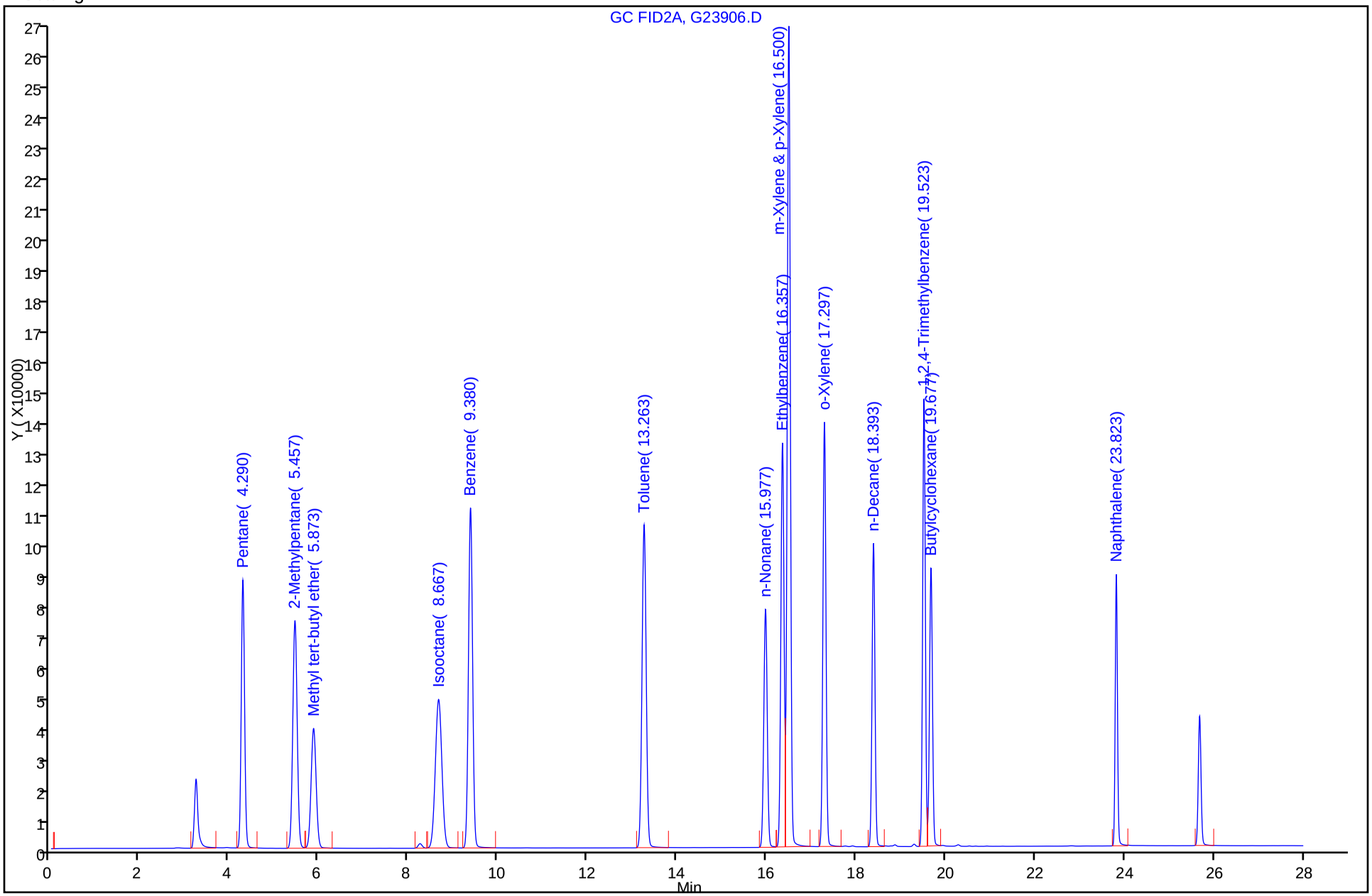
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.977	15.983	-0.006	195769		
2	15.977	15.983	-0.006	412087	0	
14 Ethylbenzene						
1	16.353	16.353	0.000	2327189	108.0	
2	16.357	16.357	0.000	642546		
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5106079	205.7	
2	16.500	16.500	0.000	1312758		
16 o-Xylene						
1	17.293	17.293	0.000	2255376	101.9	
2	17.297	17.297	0.000	650648		
17 n-Decane						
1	18.390	18.393	-0.003	283407		
2	18.393	18.397	-0.004	444714	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2483214		
2	19.523	19.523	0.000	600799	97.1	
19 Butylcyclohexane						
1	19.677	19.677	0.000	942766		
2	19.677	19.680	-0.003	411689	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4634522	737.5	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2593607	106.4	
21 Naphthalene						
1	23.820	23.820	0.000	1954489	80.2	
2	23.823	23.823	0.000	309248		
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2316995	91.2	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	179738	92.8	

Report Date: 22-Dec-2010 09:00:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23906.D

Injection Date:	21-Dec-2010 23:37:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	18
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-67507/3-A

Matrix: Solid Lab File ID: G23894.D

Analysis Method: MAVPH Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/21/2010 17:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	ND		2.4	2.4
STL00133	C9-C10 Aromatics	ND		2.4	2.4
STL00106	C9-C12 Aliphatics (adjusted)	ND		2.4	2.4
STL00360	Total VPH	ND		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	94		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23894.D		
Lims ID:	MB 360-67507/3-A	Client ID:	
Inject. Date:	21-Dec-2010 17:00:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	67516	Lims Sample ID:	6
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:57:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.273	0.260	0.013	10	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		93508	-4.74	
A 26 C6-C12						
2	14.305	4.660 - 23.950		314401	0	
S 25 VPH Adjustment 2						
1					-3.06	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		98145	-5.55	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		41388	-3.06	
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.677	0.006	2384670	93.9	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.687	0.003	170090	87.8	

Report Date: 22-Dec-2010 08:57:04 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23894.D

Injection Date: 21-Dec-2010 17:00:30 Limit Group: GC MA VPH

Client ID: Instrument ID: Inst. G

Lims Batch ID: 67516 Lims Sample ID: 6

Operator ID: CR

Y Scaling:

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-67507/3-A

Matrix: Solid Lab File ID: G23894.D

Analysis Method: MAVPH Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/21/2010 17:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	ND		2.4	2.4
STL00191	C9-C12 Aliphatics (unadjusted)	ND		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23894.D		
Lims ID:	MB 360-67507/3-A	Client ID:	
Inject. Date:	21-Dec-2010 17:00:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	67516	Lims Sample ID:	6
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:57:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.273	0.260	0.013	10	0	
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		93508	-4.74	
A 26 C6-C12						
2	14.305	4.660 - 23.950		314401	0	
S 25 VPH Adjustment 2						
1					-3.06	
A 2 C9-C12 Aliphatics						
2	19.770	15.820 - 23.720		98145	-5.55	
A 20 C9-C10 Aromatics						
1	20.570	17.420 - 23.720		41388	-3.06	
$ 22 2,5-Dibromotoluene (pid)						
1	25.683	25.677	0.006	2384670	93.9	
$ 23 2,5-Dibromotoluene (fid)						
2	25.690	25.687	0.003	170090	87.8	

Report Date: 22-Dec-2010 08:57:04 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23894.D

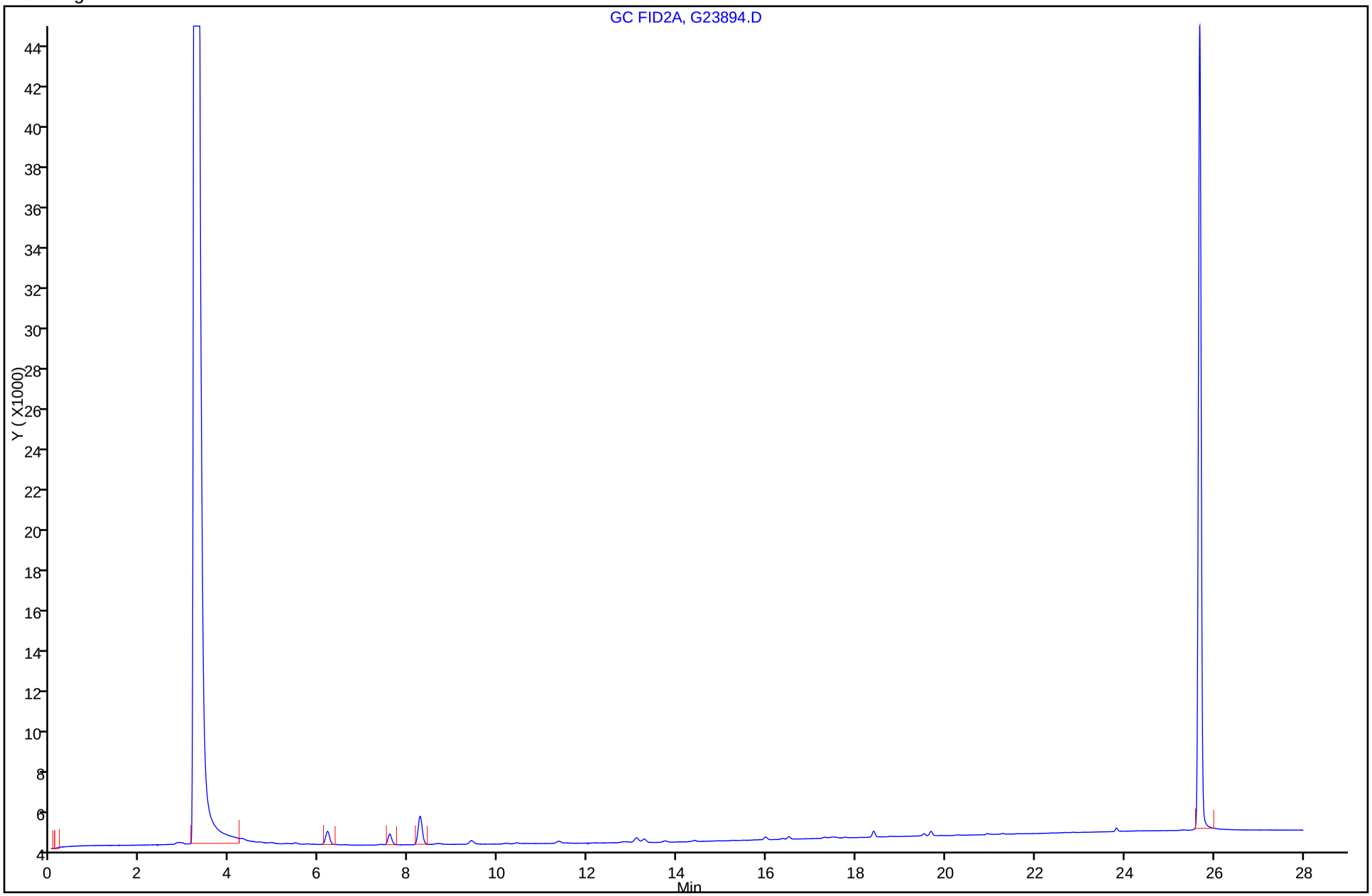
Injection Date: 21-Dec-2010 17:00:30 Limit Group: GC MA VPH

Client ID: Instrument ID: Inst. G

Lims Batch ID: 67516 Lims Sample ID: 6

Operator ID: CR

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCS 360-67507/1-A

Matrix: Solid Lab File ID: G23891.D

Analysis Method: MAVPH Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/21/2010 15:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00133	C9-C10 Aromatics	4.99		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23891.D
Lims ID: LCS 360-67507/1-A Client ID:
Inject. Date: 21-Dec-2010 15:20:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 67516 Lims Sample ID: 3
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 08:55:36 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:56:36

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.287	4.290	-0.003	455073	98.4	
1	4.287	4.290	-0.003	26631		
6 2-Methylpentane						
1	5.450	5.450	0.000	71751		
2	5.453	5.453	0.000	495314	0	
7 Methyl tert-butyl ether						
1	5.867	5.870	-0.003	832189	82.8	
2	5.867	5.873	-0.006	283191		
8 Isooctane						
1	8.660	8.670	-0.010	313872		
2	8.663	8.670	-0.007	470967	0	
9 Benzene						
1	9.373	9.380	-0.007	2501220	105.7	
2	9.377	9.380	-0.003	696553		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3190357	562.2	
11 Toluene						
1	13.257	13.260	-0.003	2415675	106.5	
2	13.260	13.263	-0.003	672338		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7191762	0	
13 n-Nonane						
1	15.980	15.983	-0.003	183200		
2	15.980	15.983	-0.003	394086	0	
14 Ethylbenzene						
1	16.357	16.353	0.004	2288013	106.2	
2	16.360	16.357	0.003	644478		

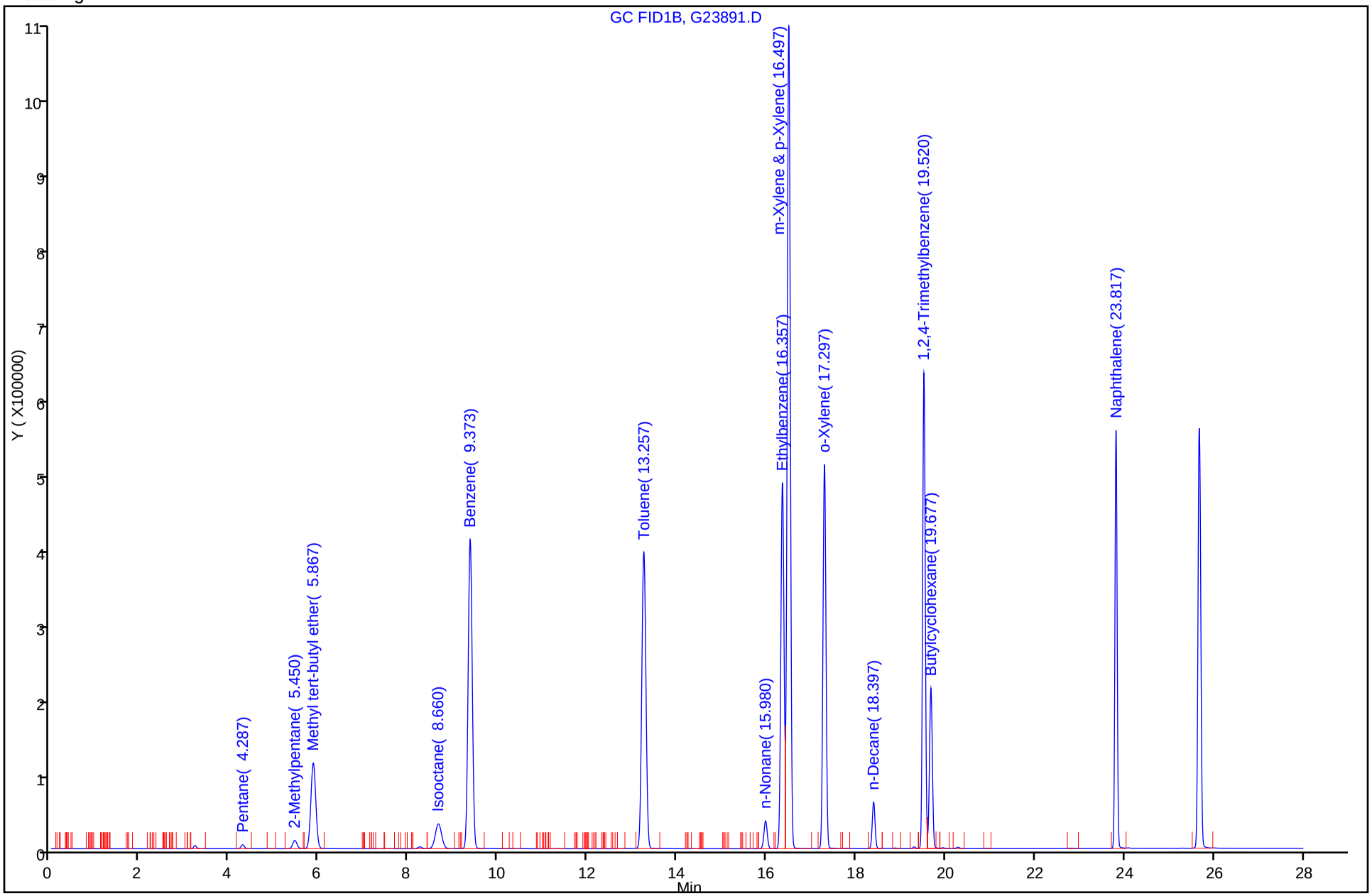
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5123246	206.5	
2	16.500	16.500	0.000	1302414		
16 o-Xylene						
1	17.297	17.293	0.004	2273460	102.8	
2	17.300	17.297	0.003	656423		
17 n-Decane						
1	18.397	18.393	0.004	258511		
2	18.397	18.397	0.000	409470	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2477372		
2	19.523	19.523	0.000	603636	97.6	
19 Butylcyclohexane						
1	19.677	19.677	0.000	901526		
2	19.680	19.680	0.000	398278	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4537057	721.5	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2553392	104.7	
21 Naphthalene						
1	23.817	23.820	-0.003	1812950	74.3	
2	23.820	23.823	-0.003	284856		
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2317875	91.3	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.687	-0.004	176461	91.1	

Report Date: 22-Dec-2010 08:56:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23891.D

Injection Date:	21-Dec-2010 15:20:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	3
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCS 360-67507/1-A

Matrix: Solid Lab File ID: G23891.D

Analysis Method: MAVPH Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/21/2010 15:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	26.8		2.4	2.4
STL00191	C9-C12 Aliphatics (unadjusted)	34.4		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23891.D		
Lims ID:	LCS 360-67507/1-A	Client ID:	
Inject. Date:	21-Dec-2010 15:20:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	67516	Lims Sample ID:	3
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:56:36

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.287	4.290	-0.003	455073	98.4	
1	4.287	4.290	-0.003	26631		
6 2-Methylpentane						
1	5.450	5.450	0.000	71751		
2	5.453	5.453	0.000	495314	0	
7 Methyl tert-butyl ether						
1	5.867	5.870	-0.003	832189	82.8	
2	5.867	5.873	-0.006	283191		
8 Isooctane						
1	8.660	8.670	-0.010	313872		
2	8.663	8.670	-0.007	470967	0	
9 Benzene						
1	9.373	9.380	-0.007	2501220	105.7	
2	9.377	9.380	-0.003	696553		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3190357	562.2	
11 Toluene						
1	13.257	13.260	-0.003	2415675	106.5	
2	13.260	13.263	-0.003	672338		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7191762	0	
13 n-Nonane						
1	15.980	15.983	-0.003	183200		
2	15.980	15.983	-0.003	394086	0	
14 Ethylbenzene						
1	16.357	16.353	0.004	2288013	106.2	
2	16.360	16.357	0.003	644478		

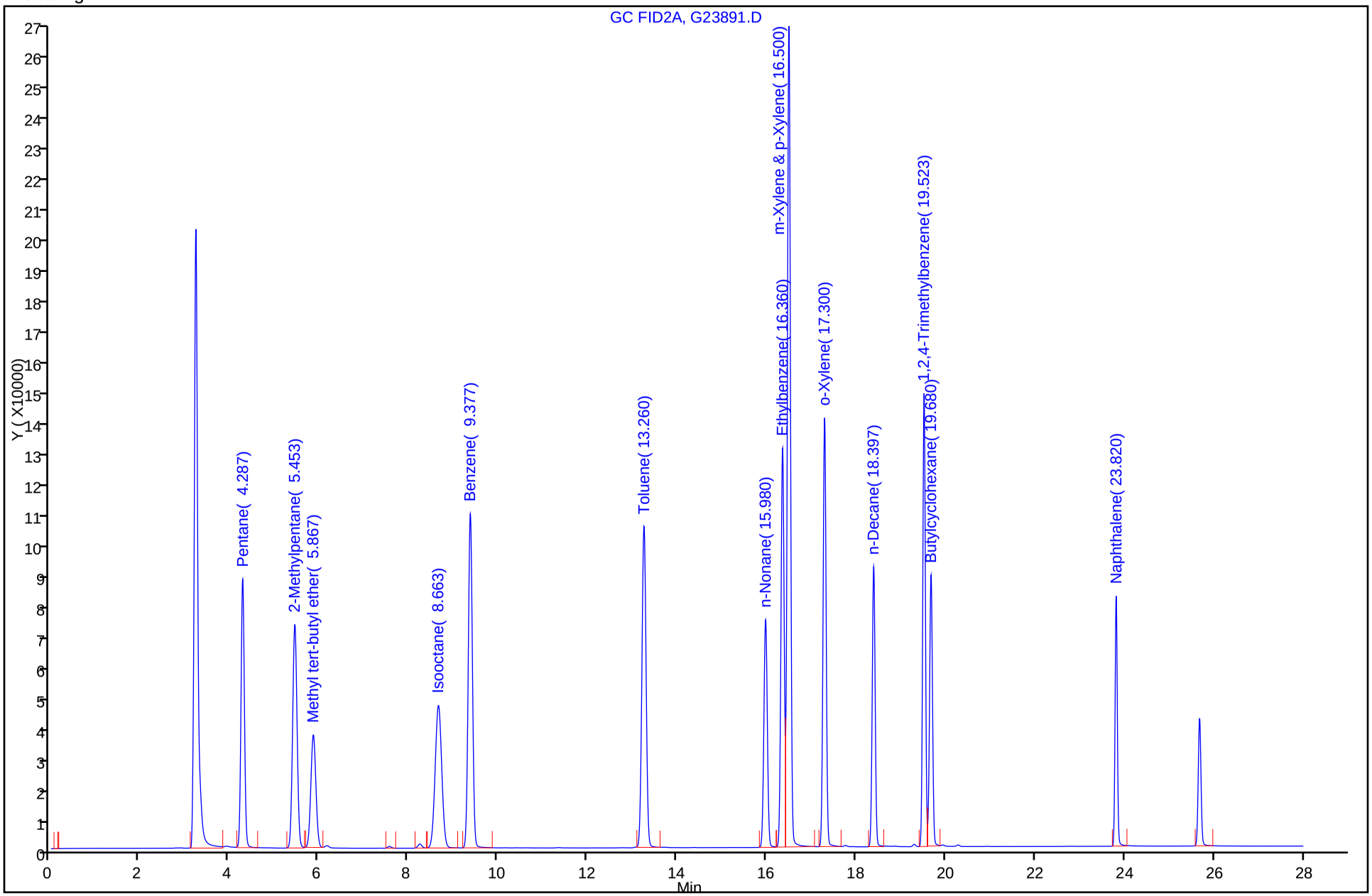
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5123246	206.5	
2	16.500	16.500	0.000	1302414		
16 o-Xylene						
1	17.297	17.293	0.004	2273460	102.8	
2	17.300	17.297	0.003	656423		
17 n-Decane						
1	18.397	18.393	0.004	258511		
2	18.397	18.397	0.000	409470	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2477372		
2	19.523	19.523	0.000	603636	97.6	
19 Butylcyclohexane						
1	19.677	19.677	0.000	901526		
2	19.680	19.680	0.000	398278	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4537057	721.5	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2553392	104.7	
21 Naphthalene						
1	23.817	23.820	-0.003	1812950	74.3	
2	23.820	23.823	-0.003	284856		
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2317875	91.3	
$ 23 2,5-Dibromotoluene (fid)						
2	25.683	25.687	-0.004	176461	91.1	

Report Date: 22-Dec-2010 08:56:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23891.D

Injection Date:	21-Dec-2010 15:20:30	Limit Group:	GC MA VPH
Client ID:		Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	3
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCSD 360-67507/2-A

Matrix: Solid Lab File ID: G23892.D

Analysis Method: MAVPH Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/21/2010 15:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00133	C9-C10 Aromatics	4.95		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	90		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23892.D
Lims ID: LCSD 360-67507/2-A Client ID:
Inject. Date: 21-Dec-2010 15:53:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67516 Lims Sample ID: 4
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 08:55:36 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:56:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.293	4.290	0.003	451672	97.7	
1	4.290	4.290	0.000	25689		
6 2-Methylpentane						
1	5.457	5.450	0.007	71015		
2	5.457	5.453	0.004	496837	0	
7 Methyl tert-butyl ether						
1	5.873	5.870	0.003	850240	84.6	
2	5.873	5.873	0.000	291298		
8 Isooctane						
1	8.667	8.670	-0.003	323612		
2	8.667	8.670	-0.003	489614	0	
9 Benzene						
1	9.377	9.380	-0.003	2468513	104.3	
2	9.383	9.380	0.003	691443		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3203153	564.6	
11 Toluene						
1	13.260	13.260	0.000	2390044	105.3	
2	13.263	13.263	0.000	667623		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7325226	0	
13 n-Nonane						
1	15.977	15.983	-0.006	201812		
2	15.980	15.983	-0.003	437893	0	
14 Ethylbenzene						
1	16.353	16.353	0.000	2277061	105.7	
2	16.357	16.357	0.000	629700		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5045362	203.1	
2	16.500	16.500	0.000	1291175		
16 o-Xylene						
1	17.293	17.293	0.000	2263721	102.3	
2	17.297	17.297	0.000	654079		
17 n-Decane						
1	18.393	18.393	0.000	291970		
2	18.397	18.397	0.000	465442	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2464865		
2	19.523	19.523	0.000	602290	97.4	
19 Butylcyclohexane						
1	19.677	19.677	0.000	988398		
2	19.680	19.680	0.000	436002	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4667306	742.9	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2534924	103.9	
21 Naphthalene						
1	23.817	23.820	-0.003	1848910	75.8	
2	23.820	23.823	-0.003	293534		
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2287308	90.1	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	176190	90.9	

Report Date: 22-Dec-2010 08:56:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23892.D

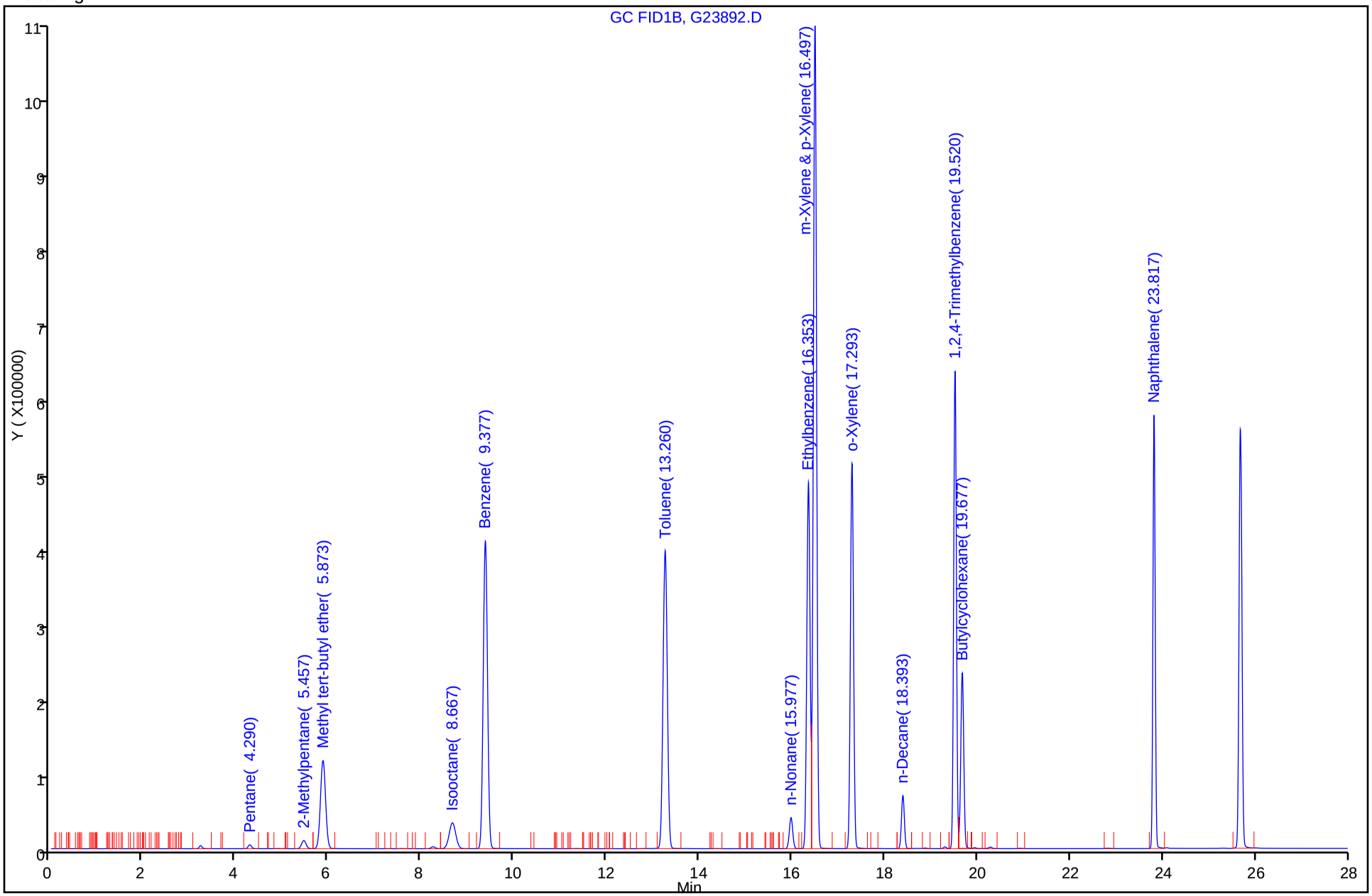
Injection Date: 21-Dec-2010 15:53:30 Limit Group: GC MA VPH

Client ID: Instrument ID: Inst. G

Lims Batch ID: 67516 Lims Sample ID: 4

Operator ID: CR

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCSD 360-67507/2-A

Matrix: Solid Lab File ID: G23892.D

Analysis Method: MAVPH Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/21/2010 15:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	26.9		2.4	2.4
STL00191	C9-C12 Aliphatics (unadjusted)	35.4		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23892.D
Lims ID: LCSD 360-67507/2-A Client ID:
Inject. Date: 21-Dec-2010 15:53:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.:
Operator: CR Instrument ID: Inst. G
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67516 Lims Sample ID: 4
Detector 1 : GC FID1B
Detector 2 : GC FID2A

Method: \\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m
Last Update: 22-Dec-2010 08:55:36 Calib Date: 20-Sep-2010 16:52:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D
Limit Group: GC MA VPH
Integrator: RTE
Process Host: WESVOAJESS

First Level Reviewer: rouleauc Date: 22-Dec-2010 08:56:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
5 Pentane						
2	4.293	4.290	0.003	451672	97.7	
1	4.290	4.290	0.000	25689		
6 2-Methylpentane						
1	5.457	5.450	0.007	71015		
2	5.457	5.453	0.004	496837	0	
7 Methyl tert-butyl ether						
1	5.873	5.870	0.003	850240	84.6	
2	5.873	5.873	0.000	291298		
8 Isooctane						
1	8.667	8.670	-0.003	323612		
2	8.667	8.670	-0.003	489614	0	
9 Benzene						
1	9.377	9.380	-0.003	2468513	104.3	
2	9.383	9.380	0.003	691443		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3203153	564.6	
11 Toluene						
1	13.260	13.260	0.000	2390044	105.3	
2	13.263	13.263	0.000	667623		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7325226	0	
13 n-Nonane						
1	15.977	15.983	-0.006	201812		
2	15.980	15.983	-0.003	437893	0	
14 Ethylbenzene						
1	16.353	16.353	0.000	2277061	105.7	
2	16.357	16.357	0.000	629700		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5045362	203.1	
2	16.500	16.500	0.000	1291175		
16 o-Xylene						
1	17.293	17.293	0.000	2263721	102.3	
2	17.297	17.297	0.000	654079		
17 n-Decane						
1	18.393	18.393	0.000	291970		
2	18.397	18.397	0.000	465442	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2464865		
2	19.523	19.523	0.000	602290	97.4	
19 Butylcyclohexane						
1	19.677	19.677	0.000	988398		
2	19.680	19.680	0.000	436002	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4667306	742.9	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2534924	103.9	
21 Naphthalene						
1	23.817	23.820	-0.003	1848910	75.8	
2	23.820	23.823	-0.003	293534		
$ 22 2,5-Dibromotoluene (pid)						
1	25.677	25.677	0.000	2287308	90.1	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	176190	90.9	

Report Date: 22-Dec-2010 08:56:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23892.D

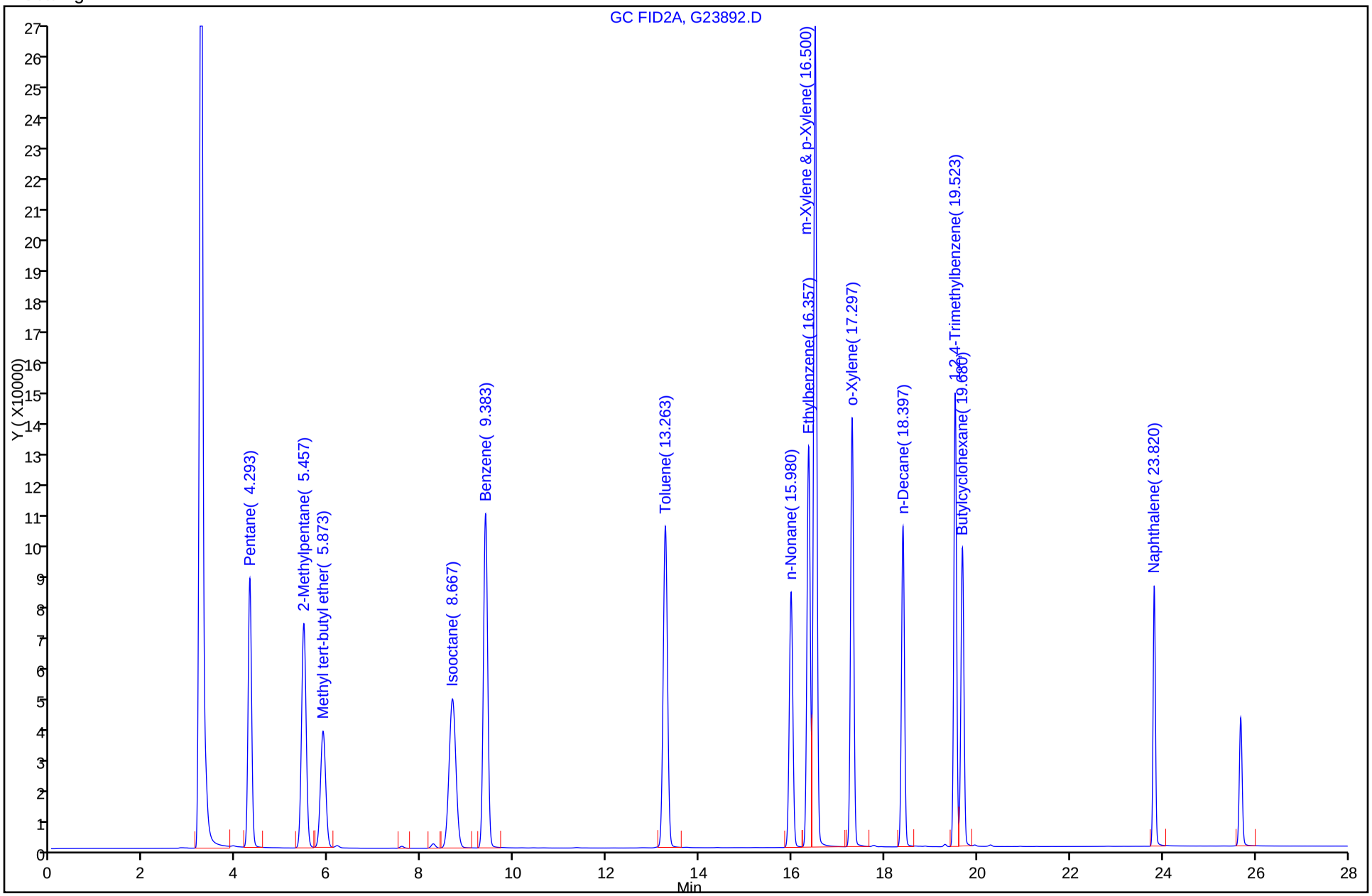
Injection Date: 21-Dec-2010 15:53:30 Limit Group: GC MA VPH

Client ID: Instrument ID: Inst. G

Lims Batch ID: 67516 Lims Sample ID: 4

Operator ID: CR

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS Lab Sample ID: 360-31465-13 MS

Matrix: Solid Lab File ID: G23903.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 12.75(g) Date Analyzed: 12/21/2010 21:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 39.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	16.5		3.1	3.1
STL00133	C9-C10 Aromatics	7.40		3.1	3.1
STL00106	C9-C12 Aliphatics (adjusted)	13.0		3.1	3.1
STL00360	Total VPH	36.9		3.1	3.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23903.D		
Lims ID:	360-31465-C-13-F MS	Client ID:	OC-SD-SD-SD2-XMS
Inject. Date:	21-Dec-2010 21:58:30	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-31465-C-13 MS		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	67516	Lims Sample ID:	15
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.403	0.260	0.143	14	0	
5 Pentane						
2	4.283	4.290	-0.007	461469	99.8	
1	4.280	4.290	-0.010	30278		
6 2-Methylpentane						
1	5.447	5.450	-0.003	81816		
2	5.450	5.453	-0.003	507264	0	
7 Methyl tert-butyl ether						
1	5.860	5.870	-0.010	925919	92.2	
2	5.863	5.873	-0.010	305228		
S 24 VPH Adjustment 1						
1					310.1	
8 Isooctane						
1	8.657	8.670	-0.013	346604		
2	8.660	8.670	-0.010	490967	0	
9 Benzene						
1	9.370	9.380	-0.010	2560567	108.2	
2	9.373	9.380	-0.007	701113		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3264678	575.9	
11 Toluene						
1	13.260	13.260	0.000	2488762	109.7	
2	13.263	13.263	0.000	683230		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7466941	0	
S 25 VPH Adjustment 2						
1					545.8	

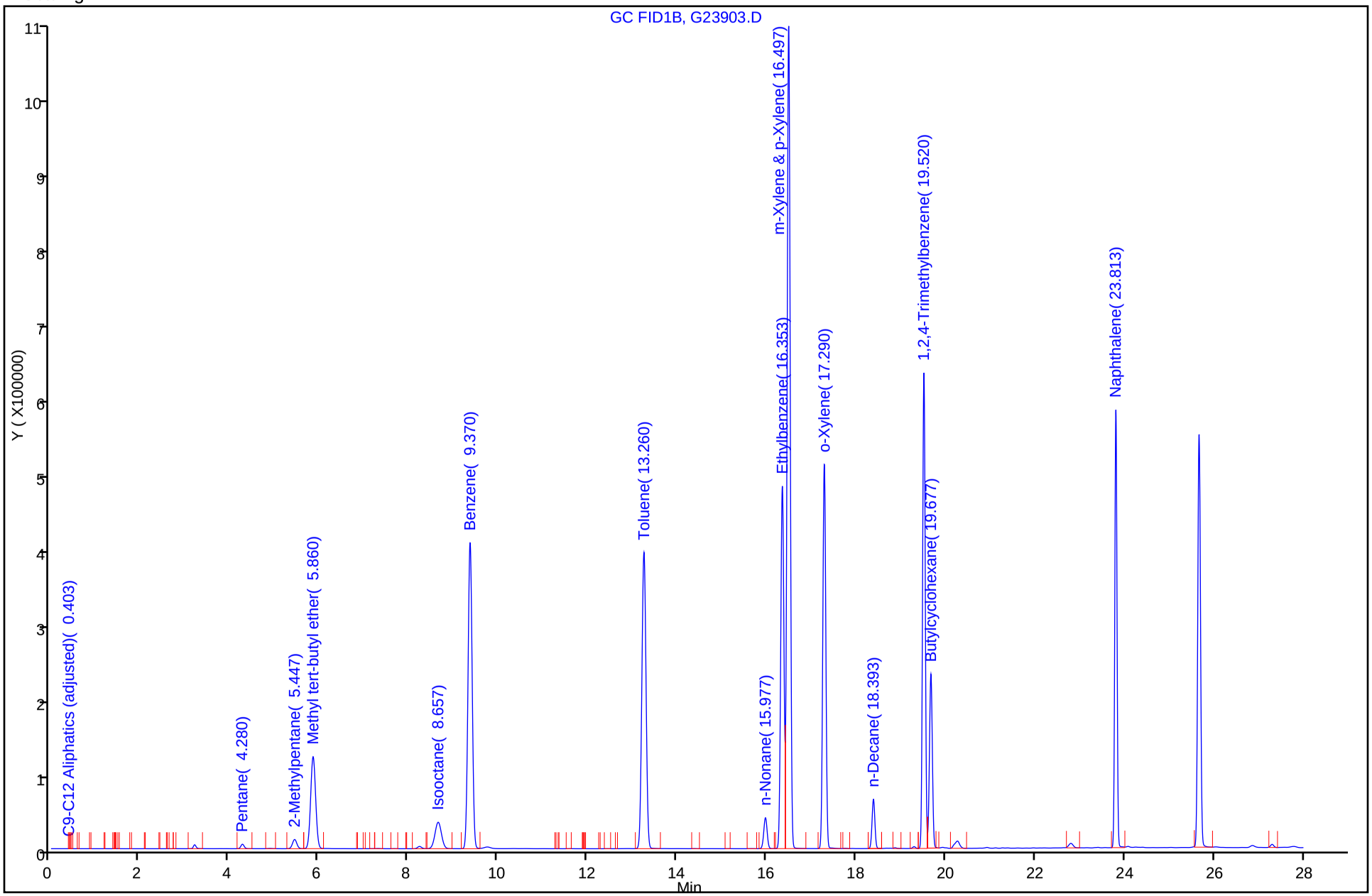
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.977	15.983	-0.006	212029		
2	15.980	15.983	-0.003	432054	0	
14 Ethylbenzene						
1	16.353	16.353	0.000	2352571	109.2	
2	16.357	16.357	0.000	635759		
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5229460	211.0	
2	16.500	16.500	0.000	1315863		
16 o-Xylene						
1	17.290	17.293	-0.003	2347686	106.3	
2	17.297	17.297	0.000	661640		
17 n-Decane						
1	18.393	18.393	0.000	282226		
2	18.393	18.397	-0.004	435778	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2549489		
2	19.523	19.523	0.000	606355	98.0	
19 Butylcyclohexane						
1	19.677	19.677	0.000	1018265		
2	19.680	19.680	0.000	438281	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4743335	755.3	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2894412	119.3	
21 Naphthalene						
1	23.813	23.820	-0.007	1957522	80.4	
2	23.817	23.823	-0.006	301287		
$ 22 2,5-Dibromotoluene (pid)						
1	25.673	25.677	-0.004	2302835	90.7	
$ 23 2,5-Dibromotoluene (fid)						
2	25.680	25.687	-0.007	172800	89.2	

Report Date: 22-Dec-2010 08:59:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23903.D

Injection Date:	21-Dec-2010 21:58:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	15
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS Lab Sample ID: 360-31465-13 MS

Matrix: Solid Lab File ID: G23903.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 12.75(g) Date Analyzed: 12/21/2010 21:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 39.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	35.7		3.1	3.1
STL00191	C9-C12 Aliphatics (unadjusted)	46.8		3.1	3.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	89		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23903.D		
Lims ID:	360-31465-C-13-F MS	Client ID:	OC-SD-SD-SD2-XMS
Inject. Date:	21-Dec-2010 21:58:30	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-31465-C-13 MS		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	67516	Lims Sample ID:	15
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 08:59:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
4 C9-C12 Aliphatics (adjusted)						
1	0.403	0.260	0.143	14	0	
5 Pentane						
2	4.283	4.290	-0.007	461469	99.8	
1	4.280	4.290	-0.010	30278		
6 2-Methylpentane						
1	5.447	5.450	-0.003	81816		
2	5.450	5.453	-0.003	507264	0	
7 Methyl tert-butyl ether						
1	5.860	5.870	-0.010	925919	92.2	
2	5.863	5.873	-0.010	305228		
S 24 VPH Adjustment 1						
1					310.1	
8 Isooctane						
1	8.657	8.670	-0.013	346604		
2	8.660	8.670	-0.010	490967	0	
9 Benzene						
1	9.370	9.380	-0.010	2560567	108.2	
2	9.373	9.380	-0.007	701113		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3264678	575.9	
11 Toluene						
1	13.260	13.260	0.000	2488762	109.7	
2	13.263	13.263	0.000	683230		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7466941	0	
S 25 VPH Adjustment 2						
1					545.8	

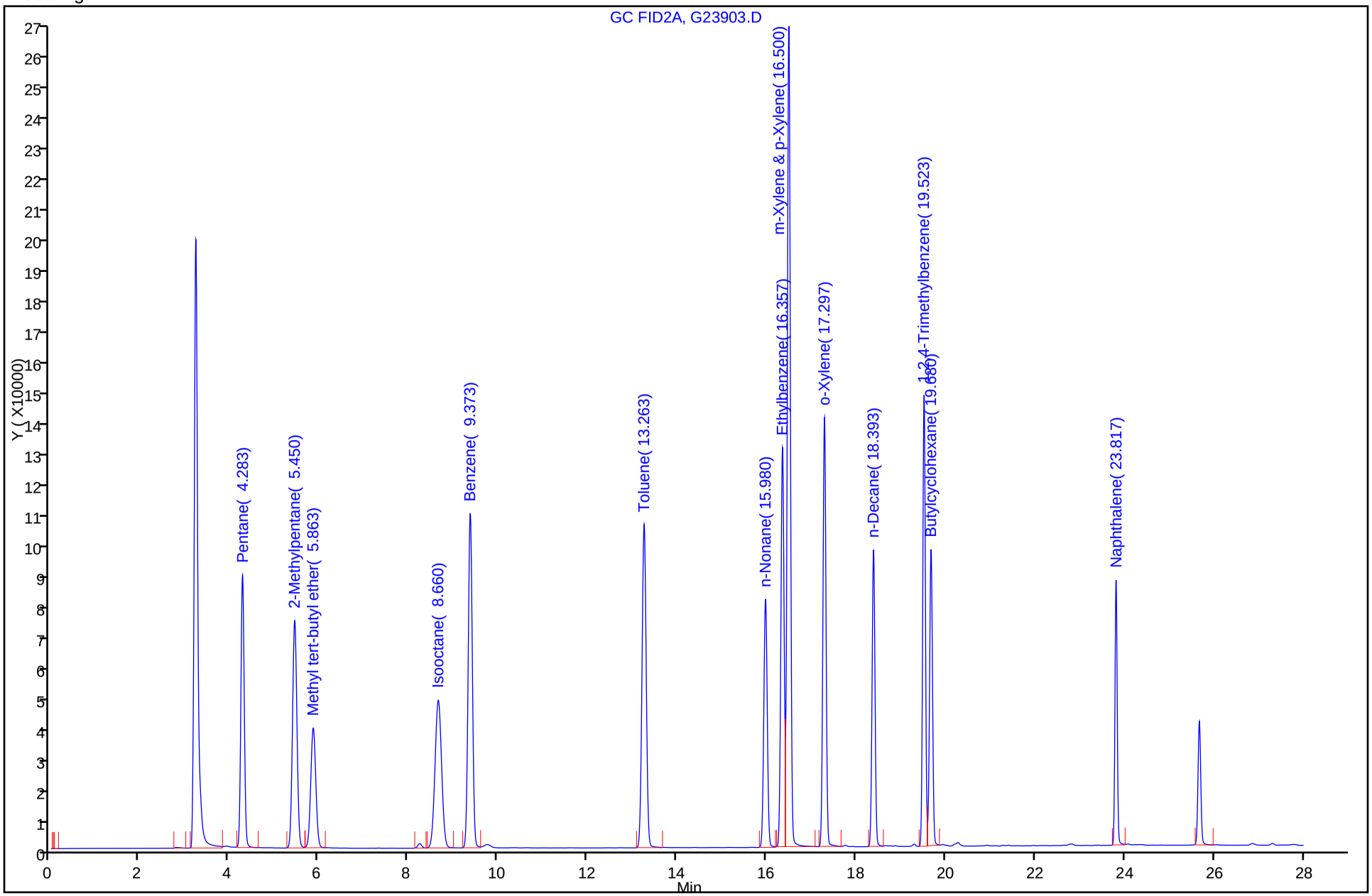
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
13 n-Nonane						
1	15.977	15.983	-0.006	212029		
2	15.980	15.983	-0.003	432054	0	
14 Ethylbenzene						
1	16.353	16.353	0.000	2352571	109.2	
2	16.357	16.357	0.000	635759		
15 m-Xylene & p-Xylene						
1	16.497	16.497	0.000	5229460	211.0	
2	16.500	16.500	0.000	1315863		
16 o-Xylene						
1	17.290	17.293	-0.003	2347686	106.3	
2	17.297	17.297	0.000	661640		
17 n-Decane						
1	18.393	18.393	0.000	282226		
2	18.393	18.397	-0.004	435778	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2549489		
2	19.523	19.523	0.000	606355	98.0	
19 Butylcyclohexane						
1	19.677	19.677	0.000	1018265		
2	19.680	19.680	0.000	438281	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4743335	755.3	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2894412	119.3	
21 Naphthalene						
1	23.813	23.820	-0.007	1957522	80.4	
2	23.817	23.823	-0.006	301287		
$ 22 2,5-Dibromotoluene (pid)						
1	25.673	25.677	-0.004	2302835	90.7	
$ 23 2,5-Dibromotoluene (fid)						
2	25.680	25.687	-0.007	172800	89.2	

Report Date: 22-Dec-2010 08:59:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23903.D

Injection Date:	21-Dec-2010 21:58:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	15
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD Lab Sample ID: 360-31465-13 MSD

Matrix: Solid Lab File ID: G23904.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 10.15(g) Date Analyzed: 12/21/2010 22:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 39.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00041	C5-C8 Aliphatics (adjusted)	20.7		3.9	3.9
STL00133	C9-C10 Aromatics	8.97		3.9	3.9
STL00106	C9-C12 Aliphatics (adjusted)	16.6		3.9	3.9
STL00360	Total VPH	46.3		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (pid)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23904.D		
Lims ID:	360-31465-D-13-B MSD	Client ID:	OC-SD-SD-SD2-MSD
Inject. Date:	21-Dec-2010 22:31:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	360-31465-D-13 MSD		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	67516	Lims Sample ID:	16
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 09:00:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
3 Total VPH						
1	0.187	0.187	0.000	6	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.450	0.260	0.190	6	0	
5 Pentane						
2	4.293	4.290	0.003	450584	97.5	
1	4.293	4.290	0.003	27291		
6 2-Methylpentane						
1	5.460	5.450	0.010	75178		
2	5.460	5.453	0.007	495216	0	
7 Methyl tert-butyl ether						
1	5.873	5.870	0.003	892256	88.8	
2	5.877	5.873	0.004	299538		
S 24 VPH Adjustment 1						
1					300.2	
8 Isooctane						
1	8.673	8.670	0.003	328577		
2	8.673	8.670	0.003	478708	0	
9 Benzene						
1	9.383	9.380	0.003	2483860	104.9	
2	9.387	9.380	0.007	689005		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3212336	566.3	
11 Toluene						
1	13.267	13.260	0.007	2415979	106.5	
2	13.267	13.263	0.004	673444		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7359934	0	

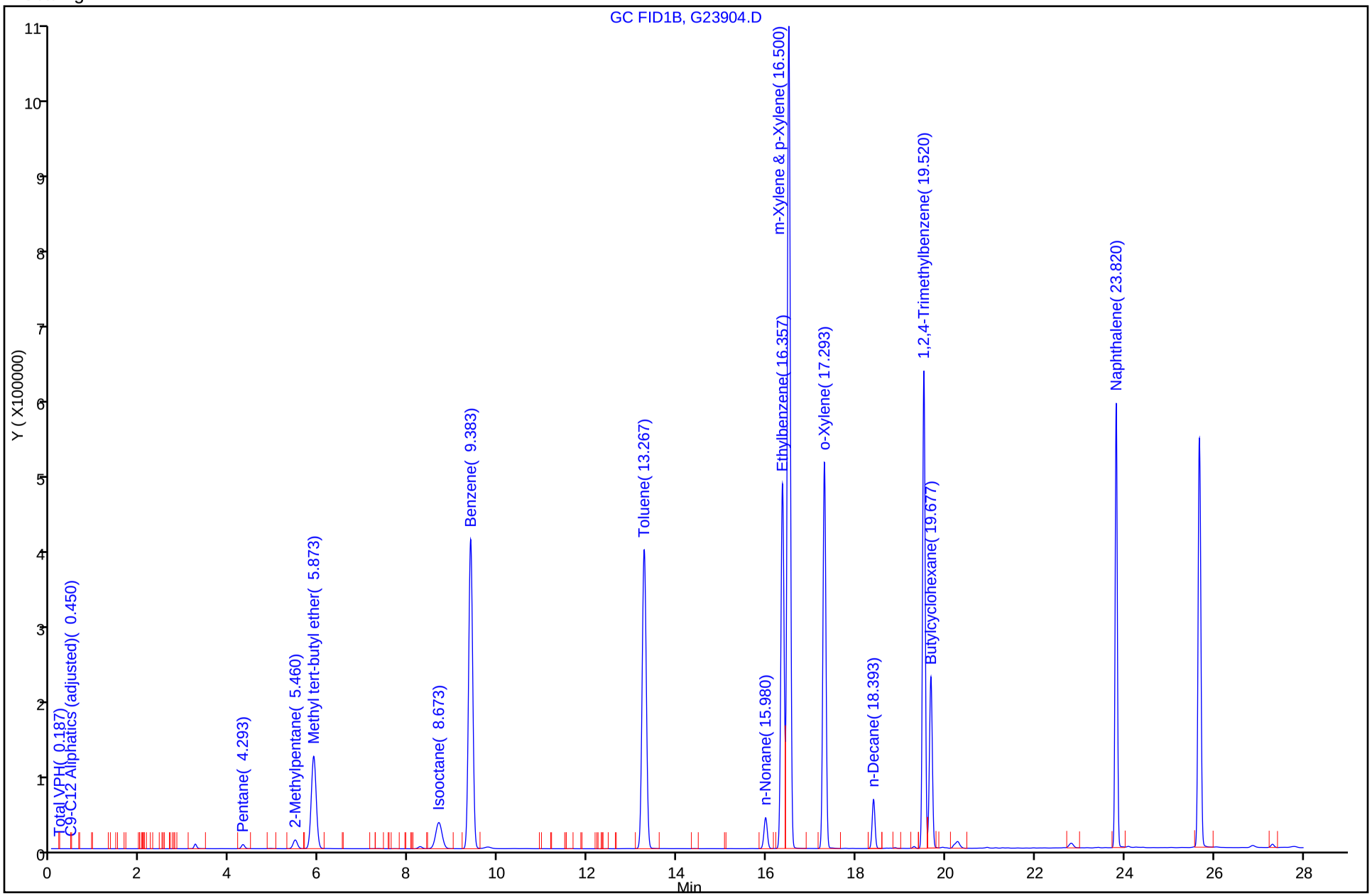
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
S 25 VPH Adjustment 2						
1					526.7	
13 n-Nonane						
1	15.980	15.983	-0.003	203932		
2	15.983	15.983	0.000	416809	0	
14 Ethylbenzene						
1	16.357	16.353	0.004	2257437	104.8	
2	16.360	16.357	0.003	635389		
15 m-Xylene & p-Xylene						
1	16.500	16.497	0.003	5074062	204.4	
2	16.503	16.500	0.003	1291491		
16 o-Xylene						
1	17.293	17.293	0.000	2264686	102.4	
2	17.297	17.297	0.000	653735		
17 n-Decane						
1	18.393	18.393	0.000	271262		
2	18.397	18.397	0.000	418705	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2470565		
2	19.523	19.523	0.000	597806	96.6	
19 Butylcyclohexane						
1	19.677	19.677	0.000	968371		
2	19.680	19.680	0.000	421867	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4648432	739.8	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2798183	115.2	
21 Naphthalene						
1	23.820	23.820	0.000	1918964	78.7	
2	23.823	23.823	0.000	298411		
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2230997	87.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	171061	88.3	

Report Date: 22-Dec-2010 09:00:24 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23904.D

Injection Date:	21-Dec-2010 22:31:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	16
Operator ID:	CR		

Y Scaling:



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD Lab Sample ID: 360-31465-13 MSD

Matrix: Solid Lab File ID: G23904.D

Analysis Method: MAVPH Date Collected: 12/10/2010 09:00

Sample wt/vol: 10.15(g) Date Analyzed: 12/21/2010 22:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-502.2 ID: 0.53(mm)

% Moisture: 39.8 Level: (low/med) Low

Analysis Batch No.: 67516 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00202	C5-C8 Aliphatics (unadjusted)	44.1		3.9	3.9
STL00191	C9-C12 Aliphatics (unadjusted)	57.6		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
615-59-8	2,5-Dibromotoluene (fid)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\G23904.D		
Lims ID:	360-31465-D-13-B MSD	Client ID:	OC-SD-SD-SD2-MSD
Inject. Date:	21-Dec-2010 22:31:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	360-31465-D-13 MSD		
Misc. Info.:			
Operator:	CR	Instrument ID:	Inst. G
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	67516	Lims Sample ID:	16
Detector 1 :	GC FID1B		
Detector 2 :	GC FID2A		
Method:	\\wessvr06\chromdata\InstG.i\20101222-4418.b\WESVPHG.m		
Last Update:	22-Dec-2010 08:55:36	Calib Date:	20-Sep-2010 16:52:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\InstG.i\20100920-3716.b\G22810.D		
Limit Group:	GC MA VPH		
Integrator:	RTE		
Process Host:	WESVOAJESS		
First Level Reviewer: rouleauc		Date:	22-Dec-2010 09:00:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
3 Total VPH						
1	0.187	0.187	0.000	6	0	
4 C9-C12 Aliphatics (adjusted)						
1	0.450	0.260	0.190	6	0	
5 Pentane						
2	4.293	4.290	0.003	450584	97.5	
1	4.293	4.290	0.003	27291		
6 2-Methylpentane						
1	5.460	5.450	0.010	75178		
2	5.460	5.453	0.007	495216	0	
7 Methyl tert-butyl ether						
1	5.873	5.870	0.003	892256	88.8	
2	5.877	5.873	0.004	299538		
S 24 VPH Adjustment 1						
1					300.2	
8 Isooctane						
1	8.673	8.670	0.003	328577		
2	8.673	8.670	0.003	478708	0	
9 Benzene						
1	9.383	9.380	0.003	2483860	104.9	
2	9.387	9.380	0.007	689005		
A 10 C5-C8 Aliphatics						
2	9.510	3.180 - 15.840		3212336	566.3	
11 Toluene						
1	13.267	13.260	0.007	2415979	106.5	
2	13.267	13.263	0.004	673444		
A 26 C6-C12						
2	14.305	4.660 - 23.950		7359934	0	

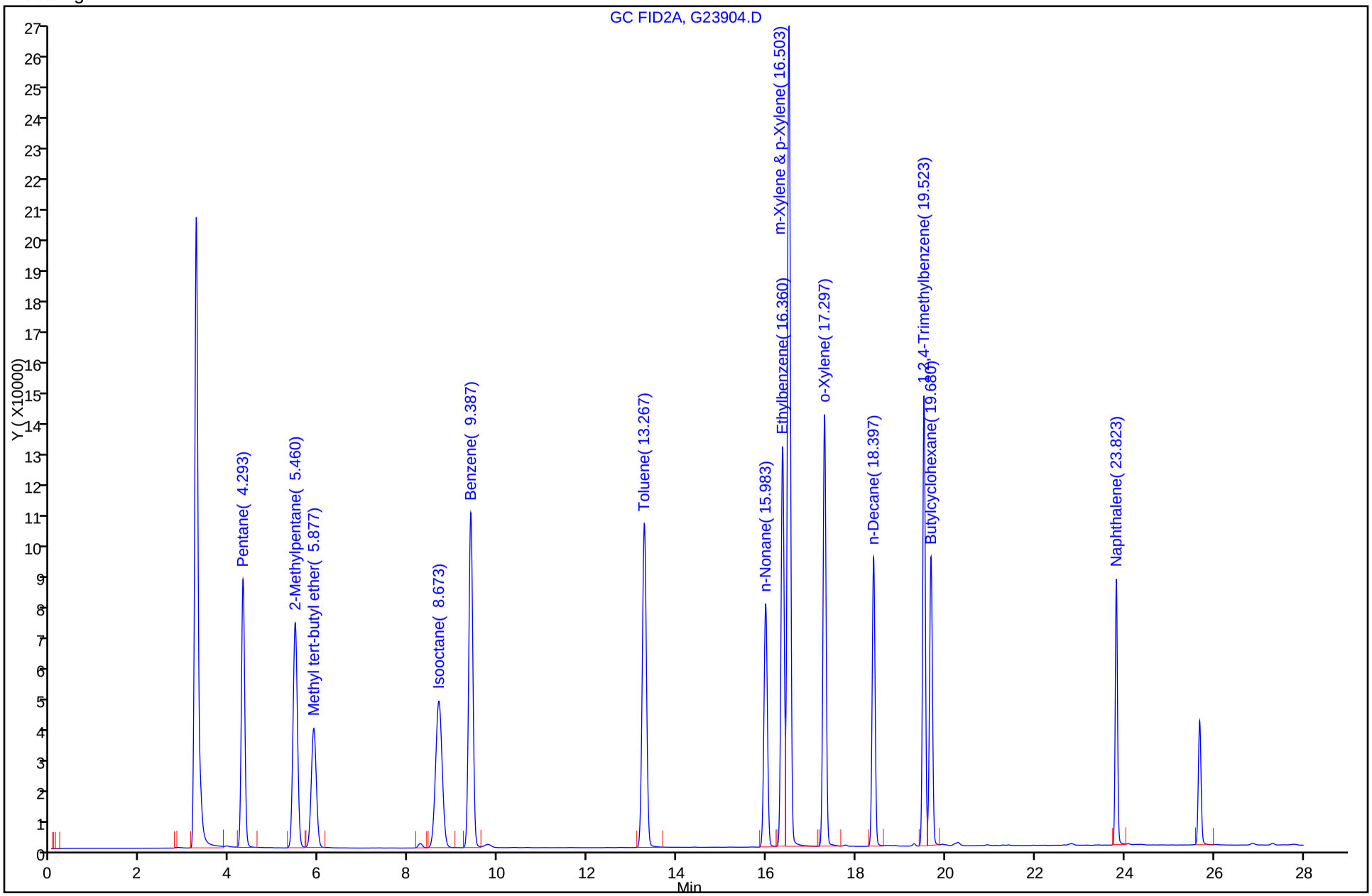
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
S 25 VPH Adjustment 2						
1					526.7	
13 n-Nonane						
1	15.980	15.983	-0.003	203932		
2	15.983	15.983	0.000	416809	0	
14 Ethylbenzene						
1	16.357	16.353	0.004	2257437	104.8	
2	16.360	16.357	0.003	635389		
15 m-Xylene & p-Xylene						
1	16.500	16.497	0.003	5074062	204.4	
2	16.503	16.500	0.003	1291491		
16 o-Xylene						
1	17.293	17.293	0.000	2264686	102.4	
2	17.297	17.297	0.000	653735		
17 n-Decane						
1	18.393	18.393	0.000	271262		
2	18.397	18.397	0.000	418705	0	
18 1,2,4-Trimethylbenzene						
1	19.520	19.520	0.000	2470565		
2	19.523	19.523	0.000	597806	96.6	
19 Butylcyclohexane						
1	19.677	19.677	0.000	968371		
2	19.680	19.680	0.000	421867	0	
A 2 C9-C12 Aliphatics						
2	19.770	15.820	-23.720	4648432	739.8	
A 20 C9-C10 Aromatics						
1	20.570	17.420	-23.720	2798183	115.2	
21 Naphthalene						
1	23.820	23.820	0.000	1918964	78.7	
2	23.823	23.823	0.000	298411		
$ 22 2,5-Dibromotoluene (pid)						
1	25.680	25.677	0.003	2230997	87.8	
$ 23 2,5-Dibromotoluene (fid)						
2	25.687	25.687	0.000	171061	88.3	

Report Date: 22-Dec-2010 09:00:24 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\InstG.i\20101222-4418.b\G23904.D

Injection Date:	21-Dec-2010 22:31:30	Limit Group:	GC MA VPH
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	Inst. G
Lims Batch ID:	67516	Lims Sample ID:	16
Operator ID:	CR		

Y Scaling:



GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. G Start Date: 09/20/2010 13:01

Analysis Batch Number: 63348 End Date: 09/20/2010 17:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD05 360-63348/4 IC		09/20/2010 13:01	1	G22803.D	RTX-502.2 0.53(mm)
STD05 360-63348/4 IC		09/20/2010 13:01	1	G22803.D	RTX-502.2 0.53(mm)
STD1 360-63348/5 IC		09/20/2010 13:34	1	G22804.D	RTX-502.2 0.53(mm)
STD1 360-63348/5 IC		09/20/2010 13:34	1	G22804.D	RTX-502.2 0.53(mm)
STD2 360-63348/6 IC		09/20/2010 14:07	1	G22805.D	RTX-502.2 0.53(mm)
STD2 360-63348/6 IC		09/20/2010 14:07	1	G22805.D	RTX-502.2 0.53(mm)
STD5 360-63348/7 IC		09/20/2010 14:40	1	G22806.D	RTX-502.2 0.53(mm)
STD5 360-63348/7 IC		09/20/2010 14:40	1	G22806.D	RTX-502.2 0.53(mm)
STD25 360-63348/8 IC		09/20/2010 15:13	1	G22807.D	RTX-502.2 0.53(mm)
STD25 360-63348/8 IC		09/20/2010 15:13	1	G22807.D	RTX-502.2 0.53(mm)
STD100 360-63348/9 IC		09/20/2010 15:46	1	G22808.D	RTX-502.2 0.53(mm)
STD100 360-63348/9 IC		09/20/2010 15:46	1	G22808.D	RTX-502.2 0.53(mm)
STD200 360-63348/10 IC		09/20/2010 16:19	1	G22809.D	RTX-502.2 0.53(mm)
STD200 360-63348/10 IC		09/20/2010 16:19	1	G22809.D	RTX-502.2 0.53(mm)
STD400 360-63348/11 IC		09/20/2010 16:52	1	G22810.D	RTX-502.2 0.53(mm)
STD400 360-63348/11 IC		09/20/2010 16:52	1	G22810.D	RTX-502.2 0.53(mm)
ICV 360-63348/12		09/20/2010 17:25	1		RTX-502.2 0.53(mm)
ICV 360-63348/12		09/20/2010 17:25	1		RTX-502.2 0.53(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Inst. G Start Date: 12/21/2010 14:47

Analysis Batch Number: 67516 End Date: 12/21/2010 23:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-67516/2		12/21/2010 14:47	1	G23890.D	RTX-502.2 0.53(mm)
CCVRT 360-67516/2		12/21/2010 14:47	1	G23890.D	RTX-502.2 0.53(mm)
LCS 360-67507/1-A		12/21/2010 15:20	1	G23891.D	RTX-502.2 0.53(mm)
LCS 360-67507/1-A		12/21/2010 15:20	1	G23891.D	RTX-502.2 0.53(mm)
LCSD 360-67507/2-A		12/21/2010 15:53	1	G23892.D	RTX-502.2 0.53(mm)
LCSD 360-67507/2-A		12/21/2010 15:53	1	G23892.D	RTX-502.2 0.53(mm)
MB 360-67507/3-A		12/21/2010 17:00	1	G23894.D	RTX-502.2 0.53(mm)
MB 360-67507/3-A		12/21/2010 17:00	1	G23894.D	RTX-502.2 0.53(mm)
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 17:33	1	G23895.D	RTX-502.2 0.53(mm)
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 17:33	1	G23895.D	RTX-502.2 0.53(mm)
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 18:06	1	G23896.D	RTX-502.2 0.53(mm)
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 18:06	1	G23896.D	RTX-502.2 0.53(mm)
360-31465-6	OC-SD-SD-SD3-XXX	12/21/2010 18:39	1	G23897.D	RTX-502.2 0.53(mm)
360-31465-6	OC-SD-SD-SD3-XXX	12/21/2010 18:39	1	G23897.D	RTX-502.2 0.53(mm)
360-31465-7	OC-SD-SDSW-E-XXX	12/21/2010 19:12	1	G23898.D	RTX-502.2 0.53(mm)
360-31465-7	OC-SD-SDSW-E-XXX	12/21/2010 19:12	1	G23898.D	RTX-502.2 0.53(mm)
360-31465-8	OC-TBK-064	12/21/2010 19:45	1	G23899.D	RTX-502.2 0.53(mm)
360-31465-8	OC-TBK-064	12/21/2010 19:45	1	G23899.D	RTX-502.2 0.53(mm)
360-31465-12	OC-SD-SD-SD2-DUP	12/21/2010 20:18	1	G23900.D	RTX-502.2 0.53(mm)
360-31465-12	OC-SD-SD-SD2-DUP	12/21/2010 20:18	1	G23900.D	RTX-502.2 0.53(mm)
360-31465-13	OC-SD-SD-SD2-XXX	12/21/2010 20:51	1	G23901.D	RTX-502.2 0.53(mm)
360-31465-13	OC-SD-SD-SD2-XXX	12/21/2010 20:51	1	G23901.D	RTX-502.2 0.53(mm)
360-31465-14	OC-TBK-066	12/21/2010 21:25	1	G23902.D	RTX-502.2 0.53(mm)
360-31465-14	OC-TBK-066	12/21/2010 21:25	1	G23902.D	RTX-502.2 0.53(mm)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/21/2010 21:58	1	G23903.D	RTX-502.2 0.53(mm)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/21/2010 21:58	1	G23903.D	RTX-502.2 0.53(mm)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/21/2010 22:31	1	G23904.D	RTX-502.2 0.53(mm)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/21/2010 22:31	1	G23904.D	RTX-502.2 0.53(mm)
CCV 360-67516/18		12/21/2010 23:37	1	G23906.D	RTX-502.2 0.53(mm)
CCV 360-67516/18		12/21/2010 23:37	1	G23906.D	RTX-502.2 0.53(mm)

VPH SAMPLE INFORMATION DATA

SAMPLE INFORMATION

Sample ID: 31465-1 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

Sample ID: 31465-5 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

Sample ID: 31465-6 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

VPH SAMPLE INFORMATION DATA

SAMPLE INFORMATION

Sample ID: 31465-7 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

Sample ID: 31465-8 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

Sample ID: 31465-12 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

VPH SAMPLE INFORMATION DATA

SAMPLE INFORMATION

Sample ID: 31465-13 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

Sample ID: 31465-13MS Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

Sample ID: 31465-13MSD Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A container	☐ Samples NOT preserved in Methanol or air-tight			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol: ☐ not covering soil/sediment	☒ covering soil/sediment			☐ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☒ **Other:1:1**	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n		**Ratio high**	

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA 014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NYDOH 10843

TestAmerica Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

VPH SAMPLE INFORMATION DATA

SAMPLE INFORMATION

Sample ID: 31465-14 Batch# **67516**

Matrix	☐ Aqueous	☒ Soil	☐ Sediment	☐ Other			
Containers	☒ Satisfactory	☐ Broken	☐ Leaking:				
Sample Preservatives	Aqueous (acid Preserved)	☒ N/A	☐ pH<2	☐ pH>2	Comment:		
	Aqueous (TSP Preserved)	☒ N/A	☐ pH<11	☐ pH>11	Comment:		
	Soil or Sediment	☐ N/A	☐ Samples NOT preserved in Methanol or air-tight container			g Soil/sediment mL Methanol	
		☒ Samples rec'd in Methanol:	☒ covering soil/sediment	☐ not covering soil/sediment		☒ 1:1 +/-25%	
		☐ Samples received in air-tight container:				☐ Other:	
Temperature	☒ Received on Ice	☐ Received at 4°C ± 2°C	☒ Other:	see c/n			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA 014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NYDOH 10843

TestAmerica Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

GC/MS VOA Worksheet

Batch Number: 360-67507
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Dec 21 2010 8:32AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Preservation Type
LCS~360-67507/1		5035, MAVPH		10 g	10 g	MeOH
LCSD~360-67507/2		5035, MAVPH		10 g	10 g	MeOH
MB~360-67507/3		5035, MAVPH		10 g	10 g	MeOH
360-31465-C-1	OC-SD-ISCO-2-XXX	5035, MAVPH	T	9.34 g	10 g	MeOH
360-31465-C-5	OC-SD-SD-1-XXX	5035, MAVPH	T	9.33 g	10 g	MeOH
360-31465-C-6	OC-SD-SD-SD3-XXX	5035, MAVPH	T	9.67 g	10 g	MeOH
360-31465-C-7	OC-SD-SDSW-E-XXX	5035, MAVPH	T	11.49 g	10 g	MeOH
360-31465-C-8	OC-TBK-064	5035, MAVPH	T	10.00 g	10 g	MeOH
360-31465-C-12	OC-SD-SD-SD2-DUP	5035, MAVPH	T	9.19 g	10 g	MeOH
360-31465-C-13	OC-SD-SD-SD2-XXX	5035, MAVPH	T	10.64 g	10 g	MeOH
360-31465-C-14	OC-TBK-066	5035, MAVPH	T	10.00 g	10 g	MeOH
360-31465-C-13~MS	OC-SD-SD-SD2-XXX	5035, MAVPH	T	12.75 g	10 g	MeOH
360-31465-D-13~MSD	OC-SD-SD-SD2-XXX	5035, MAVPH	T	10.15 g	10 g	MeOH

GC/MS VOA Worksheet

Batch Number: 360-67507
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Dec 21 2010 8:32AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-67507/1		5035, MAVPH		
LCSD~360-67507/2		5035, MAVPH		
MB~360-67507/3		5035, MAVPH		
360-31465-C-1	OC-SD-ISCO-2-XXX	5035, MAVPH	T	
360-31465-C-5	OC-SD-SD-1-XXX	5035, MAVPH	T	
360-31465-C-6	OC-SD-SD-SD3-XXX	5035, MAVPH	T	
360-31465-C-7	OC-SD-SDSW-E-XXX	5035, MAVPH	T	
360-31465-C-8	OC-TBK-064	5035, MAVPH	T	
360-31465-C-12	OC-SD-SD-SD2-DUP	5035, MAVPH	T	
360-31465-C-13	OC-SD-SD-SD2-XXX	5035, MAVPH	T	
360-31465-C-14	OC-TBK-066	5035, MAVPH	T	
360-31465-C-13~MS	OC-SD-SD-SD2-XXX	5035, MAVPH	T	1:1 ratio high
360-31465-D-13~MSD	OC-SD-SD-SD2-XXX	5035, MAVPH	T	

Batch Comment: MAVPH

Method MAEPH

Massachusetts - Extractable Petroleum Hydrocarbons (GC) by Method MAEPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

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 #
OC-SD-ISCO-2-XXX	360-31465-1	88	87	0 X D	0 X D
OC-SD-SD-1-XXX	360-31465-5	84	83	62	68
OC-SD-SD-SD3-XXX	360-31465-6	95	93	70	75
OC-SD-SDSW-E-XXX	360-31465-7	111	107	81	66
OC-SD-SD-SD2-DUP	360-31465-12	75	74	58	76
OC-SD-SD-SD2-XXX	360-31465-13	90	89	63	72
	MB 360-66997/1-A	94	93	78	82
	MB 360-67139/1-A	94	94	86	89
	LCS 360-66997/2-A	87	85	84	73
	LCS 360-67139/2-A	96	96	90	85
	LCSD 360-66997/3-A	82	82	77	77
	LCSD 360-67139/3-A	77	77	76	82
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	82	81	62	77
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	84	84	70	62

	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.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: R34640.D

Lab ID: LCS 360-66997/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C11-C22 Aromatics (unadjusted)	56.7	49.5	87	40-140	
C19-C36 Aliphatics	26.7	23.6	89	40-140	
C9-C18 Aliphatics	20.0	13.0	65	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: R34706.D

Lab ID: LCS 360-67139/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C11-C22 Aromatics (unadjusted)	56.7	52.4	93	40-140	
C19-C36 Aliphatics	26.7	23.8	89	40-140	
C9-C18 Aliphatics	20.0	13.2	66	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.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: R34642.D

Lab ID: LCSD 360-66997/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C11-C22 Aromatics (unadjusted)	56.7	48.1	85	3	25	40-140	
C19-C36 Aliphatics	26.7	23.5	88	0	25	40-140	
C9-C18 Aliphatics	20.0	13.4	67	3	25	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.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: R34708.D

Lab ID: LCSD 360-67139/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C11-C22 Aromatics (unadjusted)	56.7	45.0	79	15	25	40-140	
C19-C36 Aliphatics	26.7	22.7	85	5	25	40-140	
C9-C18 Aliphatics	20.0	12.5	62	6	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.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: R34752.D

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C11-C22 Aromatics (unadjusted)	93.6	17	70.0	56	40-140	
C19-C36 Aliphatics	44.1	29	54.3	57	40-140	
C9-C18 Aliphatics	33.1	ND	21.1	64	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.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: R34754.D

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C11-C22 Aromatics (unadjusted)	91.7	76.4	64	9	50	40-140	
C19-C36 Aliphatics	43.2	52.6	54	3	50	40-140	
C9-C18 Aliphatics	32.4	18.1	56	15	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: MB 360-66997/1-A

Matrix: Solid Date Extracted: 12/10/2010 12:34

Lab File ID:(1) R34638.D Lab File ID:(2) R34638.D

Date Analyzed:(1) 12/10/2010 15:07 Date Analyzed:(2) 12/10/2010 15:07

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 360-66997/2-A	12/10/2010 15:41	12/10/2010 15:41
	LCSD 360-66997/3-A	12/10/2010 16:15	12/10/2010 16:15
OC-SD-SDSW-E-XXX	360-31465-7	12/13/2010 16:47	12/13/2010 16:47
OC-SD-SD-SD3-XXX	360-31465-6	12/14/2010 13:30	12/14/2010 13:30
OC-SD-ISCO-2-XXX	360-31465-1	12/21/2010 11:12	12/21/2010 11:12

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: MB 360-67139/1-A

Matrix: Solid Date Extracted: 12/14/2010 15:57

Lab File ID:(1) R34704.D Lab File ID:(2) R34704.D

Date Analyzed:(1) 12/15/2010 14:22 Date Analyzed:(2) 12/15/2010 14:22

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 360-67139/2-A	12/15/2010 14:56	12/15/2010 14:56
	LCSD 360-67139/3-A	12/15/2010 15:30	12/15/2010 15:30
OC-SD-SD-SD2-DUP	360-31465-12	12/16/2010 02:52	12/16/2010 02:52
OC-SD-SD-SD2-XXX	360-31465-13	12/16/2010 03:26	12/16/2010 03:26
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	12/16/2010 04:00	12/16/2010 04:00
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	12/16/2010 04:34	12/16/2010 04:34

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67006/1 Date Analyzed: 12/10/2010 14:21

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34636.D Heated Purge: (Y/N) N

Calibration ID: 10398

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.88	6.73	10.29
UPPER LIMIT				5.98	6.83	10.39
LOWER LIMIT				5.78	6.63	10.19
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67006/1		12/10/2010 14:21	R34636.D	5.88	6.73	10.29
MB 360-66997/1-A		12/10/2010 15:07	R34638.D	5.89	6.73	10.30
LCS 360-66997/2-A		12/10/2010 15:41	R34640.D	5.88	6.72	10.30
LCSD 360-66997/3-A		12/10/2010 16:15	R34642.D	5.88	6.72	10.30
CCV 360-67006/6		12/10/2010 17:57	R34648.D	5.89	6.73	10.29

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67006/1 Date Analyzed: 12/10/2010 14:21

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34636.D Heated Purge: (Y/N) N

Calibration ID: 10399

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.18		
UPPER LIMIT				13.28		
LOWER LIMIT				13.08		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67006/1		12/10/2010 14:21	R34636.D	13.18		
MB 360-66997/1-A		12/10/2010 15:07	R34638.D	13.18		
LCS 360-66997/2-A		12/10/2010 15:41	R34640.D	13.18		
LCSD 360-66997/3-A		12/10/2010 16:15	R34642.D	13.18		
CCV 360-67006/6		12/10/2010 17:57	R34648.D	13.18		

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67050/1 Date Analyzed: 12/13/2010 10:21

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34652.D Heated Purge: (Y/N) N

Calibration ID: 10398

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.89	6.74	10.31
UPPER LIMIT				5.99	6.84	10.41
LOWER LIMIT				5.79	6.64	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67050/1		12/13/2010 10:21	R34652.D	5.89	6.74	10.31
360-31465-7	OC-SD-SDSW-E-XXX	12/13/2010 16:47	R34672.D	5.89	6.74	10.32
CCV 360-67050/14		12/13/2010 17:56	R34676.D	5.89	6.74	10.31

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67050/1 Date Analyzed: 12/13/2010 10:21

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34652.D Heated Purge: (Y/N) N

Calibration ID: 10399

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.19		
UPPER LIMIT				13.29		
LOWER LIMIT				13.09		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67050/1		12/13/2010 10:21	R34652.D	13.19		
360-31465-7	OC-SD-SDSW-E-XXX	12/13/2010 16:47	R34672.D	13.19		
CCV 360-67050/14		12/13/2010 17:56	R34676.D	13.18		

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67201/1 Date Analyzed: 12/15/2010 13:19

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34702.D Heated Purge: (Y/N) N

Calibration ID: 10398

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.90	6.74	10.31
UPPER LIMIT				6.00	6.84	10.41
LOWER LIMIT				5.80	6.64	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67201/1		12/15/2010 13:19	R34702.D	5.90	6.74	10.31
MB 360-67139/1-A		12/15/2010 14:22	R34704.D	5.90	6.74	10.32
LCS 360-67139/2-A		12/15/2010 14:56	R34706.D	5.89	6.74	10.32
LCSD 360-67139/3-A		12/15/2010 15:30	R34708.D	5.89	6.74	10.31

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67201/1 Date Analyzed: 12/15/2010 13:19

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34702.D Heated Purge: (Y/N) N

Calibration ID: 10399

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.18		
UPPER LIMIT				13.28		
LOWER LIMIT				13.08		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67201/1		12/15/2010 13:19	R34702.D	13.18		
MB 360-67139/1-A		12/15/2010 14:22	R34704.D	13.19		
LCS 360-67139/2-A		12/15/2010 14:56	R34706.D	13.19		
LCSD 360-67139/3-A		12/15/2010 15:30	R34708.D	13.18		

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67211/15 Date Analyzed: 12/15/2010 22:18

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34732.D Heated Purge: (Y/N) N

Calibration ID: 10398

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.90	6.74	10.31
UPPER LIMIT				6.00	6.84	10.41
LOWER LIMIT				5.80	6.64	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67211/15		12/15/2010 22:18	R34732.D	5.90	6.74	10.31
360-31465-12	OC-SD-SD-SD2-DUP	12/16/2010 02:52	R34748.D	5.89	6.74	10.31
360-31465-13	OC-SD-SD-SD2-XXX	12/16/2010 03:26	R34750.D	5.89	6.74	10.31
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/16/2010 04:00	R34752.D	5.89	6.74	10.31
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/16/2010 04:34	R34754.D	5.89	6.74	10.31
CCV 360-67211/27		12/16/2010 05:42	R34758.D	5.90	6.74	10.31

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67211/15 Date Analyzed: 12/15/2010 22:18

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34732.D Heated Purge: (Y/N) N

Calibration ID: 10399

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.18		
UPPER LIMIT				13.28		
LOWER LIMIT				13.08		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67211/15		12/15/2010 22:18	R34732.D	13.18		
360-31465-12	OC-SD-SD-SD2-DUP	12/16/2010 02:52	R34748.D	13.19		
360-31465-13	OC-SD-SD-SD2-XXX	12/16/2010 03:26	R34750.D	13.18		
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/16/2010 04:00	R34752.D	13.19		
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/16/2010 04:34	R34754.D	13.18		
CCV 360-67211/27		12/16/2010 05:42	R34758.D	13.18		

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67453/1 Date Analyzed: 12/21/2010 09:18

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34892.D Heated Purge: (Y/N) N

Calibration ID: 10398

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.90	6.75	10.31
UPPER LIMIT				6.00	6.85	10.41
LOWER LIMIT				5.80	6.65	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67453/1		12/21/2010 09:18	R34892.D	5.90	6.75	10.31
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 10:37	R34896.D	5.90	6.74	10.31
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 11:12	R34898.D	5.90	6.74	10.30

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.: 360-31465-1

SDG No.: 360-31465-1

Sample No.: CCVRT 360-67453/1 Date Analyzed: 12/21/2010 09:18

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R34892.D Heated Purge: (Y/N) N

Calibration ID: 10399

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.18		
UPPER LIMIT				13.28		
LOWER LIMIT				13.08		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-67453/1		12/21/2010 09:18	R34892.D	13.18		
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 10:37	R34896.D	13.19		
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 11:12	R34898.D	13.18		

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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX | Lab Sample ID: 360-31465-1

Matrix: Solid | Lab File ID: R34898.D

Analysis Method: MA-EPH | Date Collected: 12/09/2010 12:00

Extraction Method: 3546 | Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.63(g) | Date Analyzed: 12/21/2010 11:12

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 47.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67453 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	9400		120	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	X D	40-140
321-60-8	2-Fluorobiphenyl	88		40-140
580-13-2	2-Bromonaphthalene	87		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D		
Lims ID:	360-31465-A-1-A	Client ID:	OC-SD-ISCO-2-XXX
Inject. Date:	21-Dec-2010 11:12:19	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	360-31465-A-1-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67453	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m		
Last Update:	21-Dec-2010 13:01:25	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:01:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.900	-0.003	9564474	43.9	
$ 2 2-Bromonaphthalene						
1	6.741	6.746	-0.005	6359869	43.4	
$ 3 o-Terphenyl						
1	10.298	10.311	-0.013	753937	3.00	
$ 4 1-Chlorooctadecane						M
2	13.176	13.176	0.000	216940	1.32	M
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.584		65595167	306.9	
A 40 C11-C22 Aromatics						
1	12.643	4.573 - 20.713		851142121	3755.1	
A 41 C19-C36 Aliphatics						
2	17.568	10.584 - 24.552		469107592	2552.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					3755.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					6614.1	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

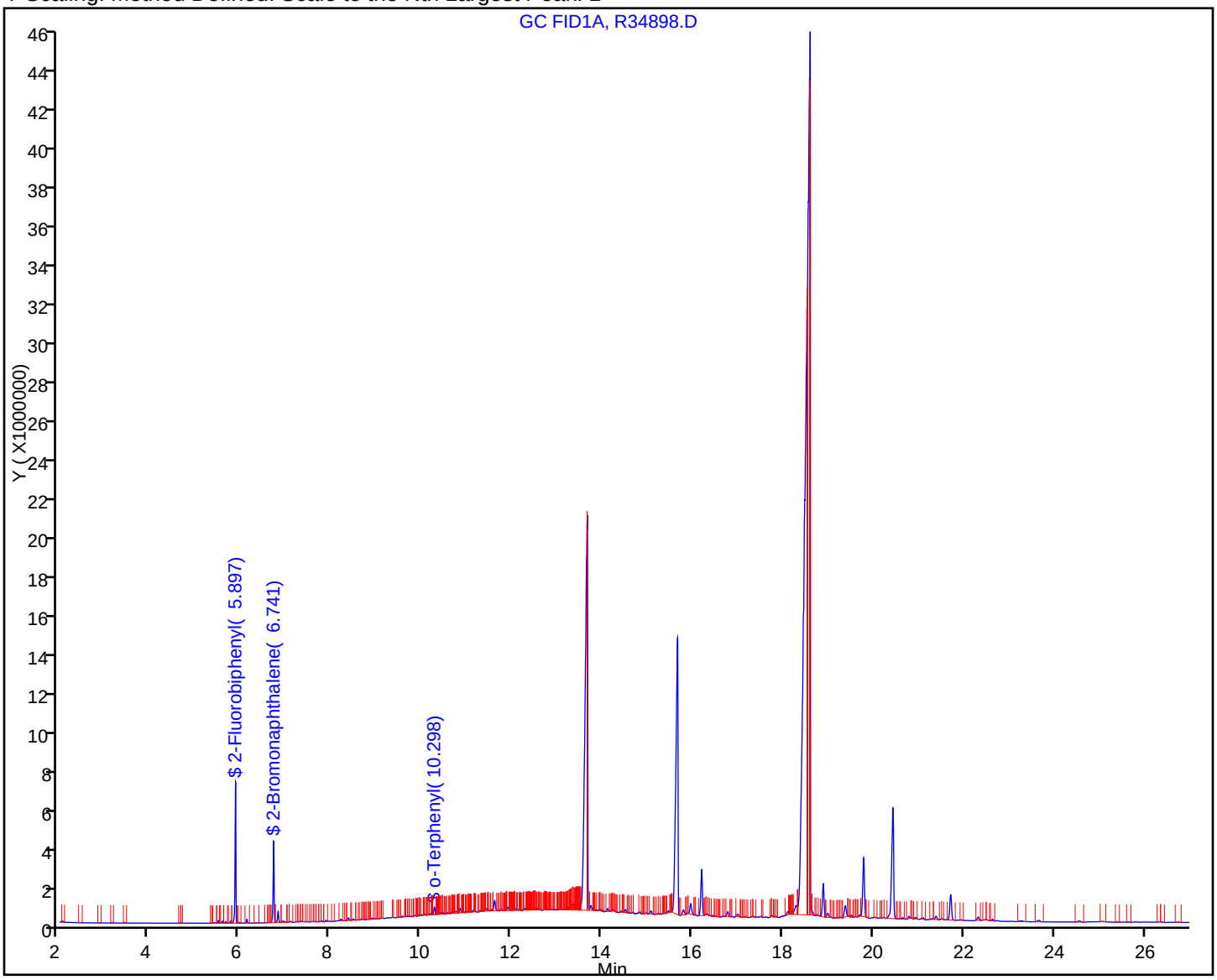
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 13:01:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D

Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

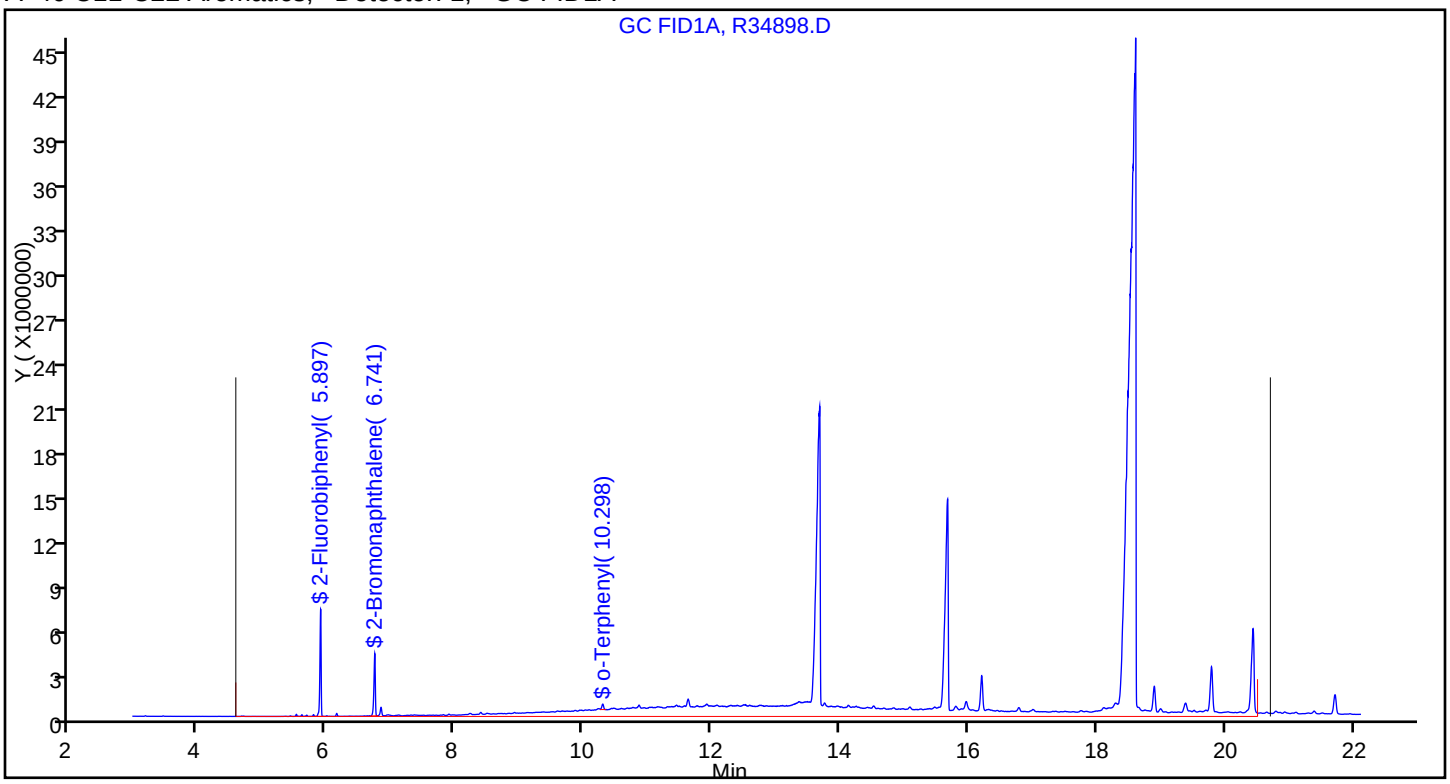


Report Date: 21-Dec-2010 13:01:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D

Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID: R34898.D

Analysis Method: MA-EPH Date Collected: 12/09/2010 12:00

Extraction Method: 3546 Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.63(g) Date Analyzed: 12/21/2010 11:12

Con. Extract Vol.: 2.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 47.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67453 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	9400		120	120
STL00087	C19-C36 Aliphatics	6400		120	120
STL00306	C9-C18 Aliphatics	770		120	120
STL00362	Total EPH	17000		120	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	0	X D	40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D		
Lims ID:	360-31465-A-1-A	Client ID:	OC-SD-ISCO-2-XXX
Inject. Date:	21-Dec-2010 11:12:19	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	360-31465-A-1-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67453	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m		
Last Update:	21-Dec-2010 13:01:25	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:01:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.900	-0.003	9564474	43.9	
$ 2 2-Bromonaphthalene						
1	6.741	6.746	-0.005	6359869	43.4	
$ 3 o-Terphenyl						
1	10.298	10.311	-0.013	753937	3.00	
$ 4 1-Chlorooctadecane						M
2	13.176	13.176	0.000	216940	1.32	M
A 39 C9-C18 Aliphatics						
2	6.707	2.829 -	10.584	65595167	306.9	
A 40 C11-C22 Aromatics						
1	12.643	4.573 -	20.713	851142121	3755.1	
A 41 C19-C36 Aliphatics						
2	17.568	10.584 -	24.552	469107592	2552.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					3755.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					6614.1	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

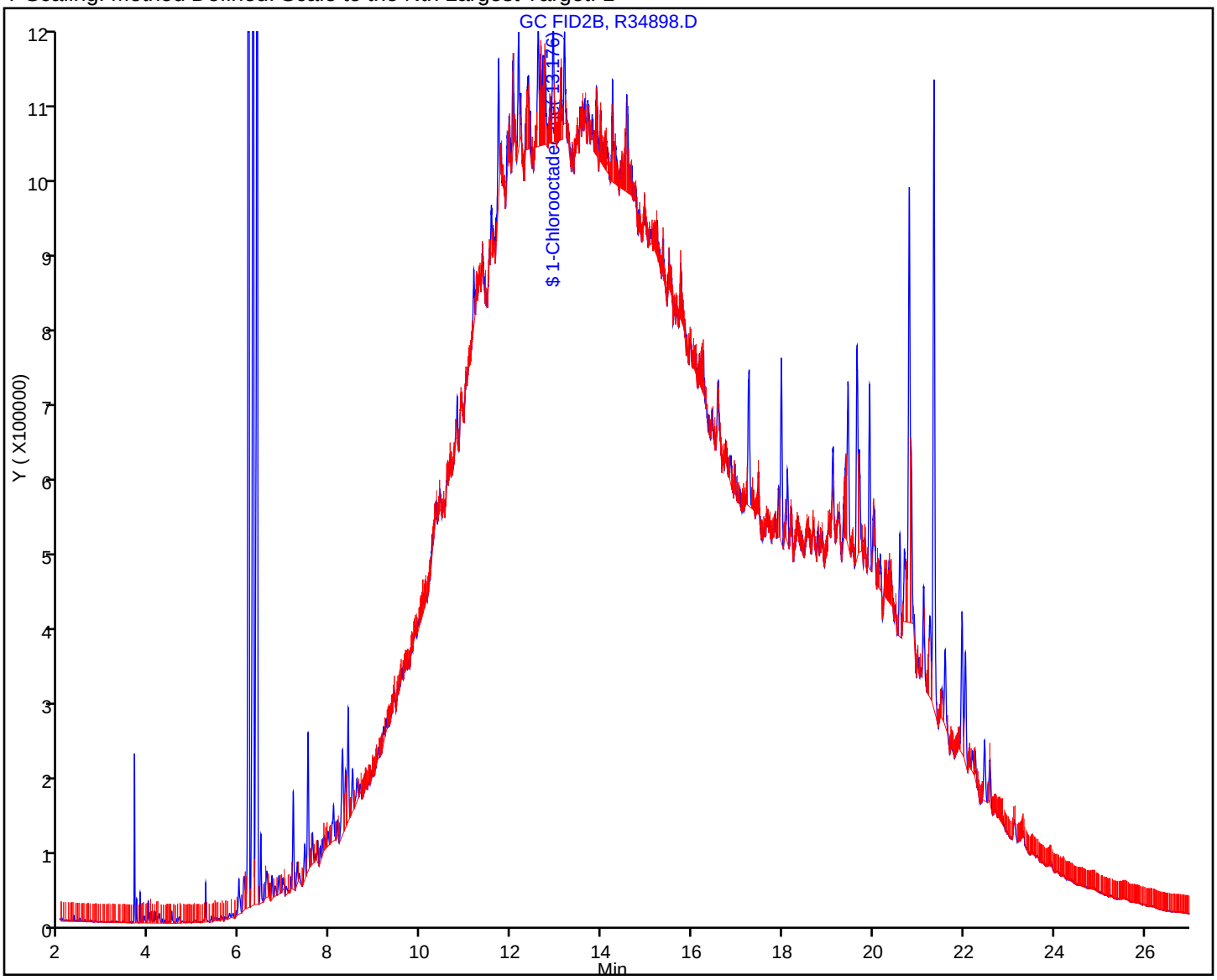
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 13:01:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D

Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

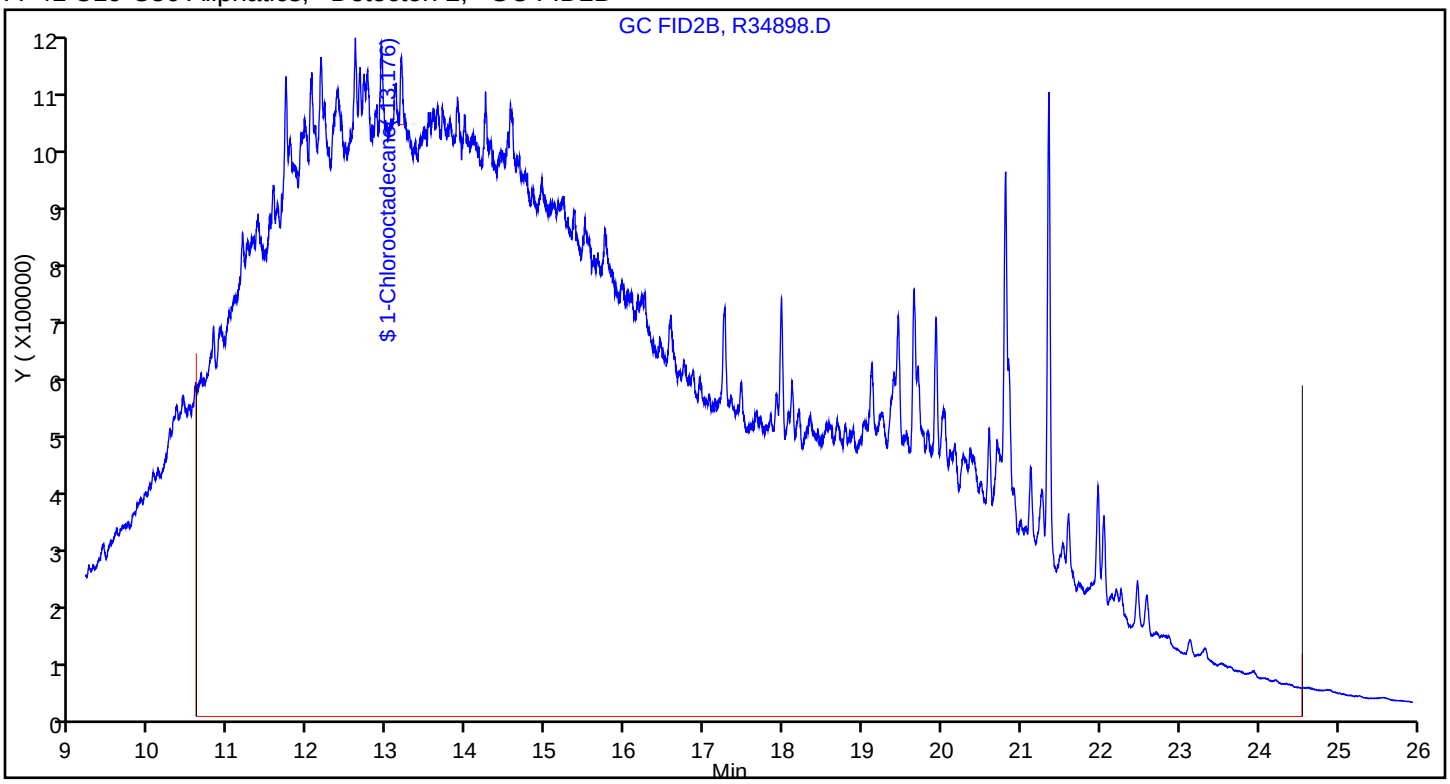


Report Date: 21-Dec-2010 13:01:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D

Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

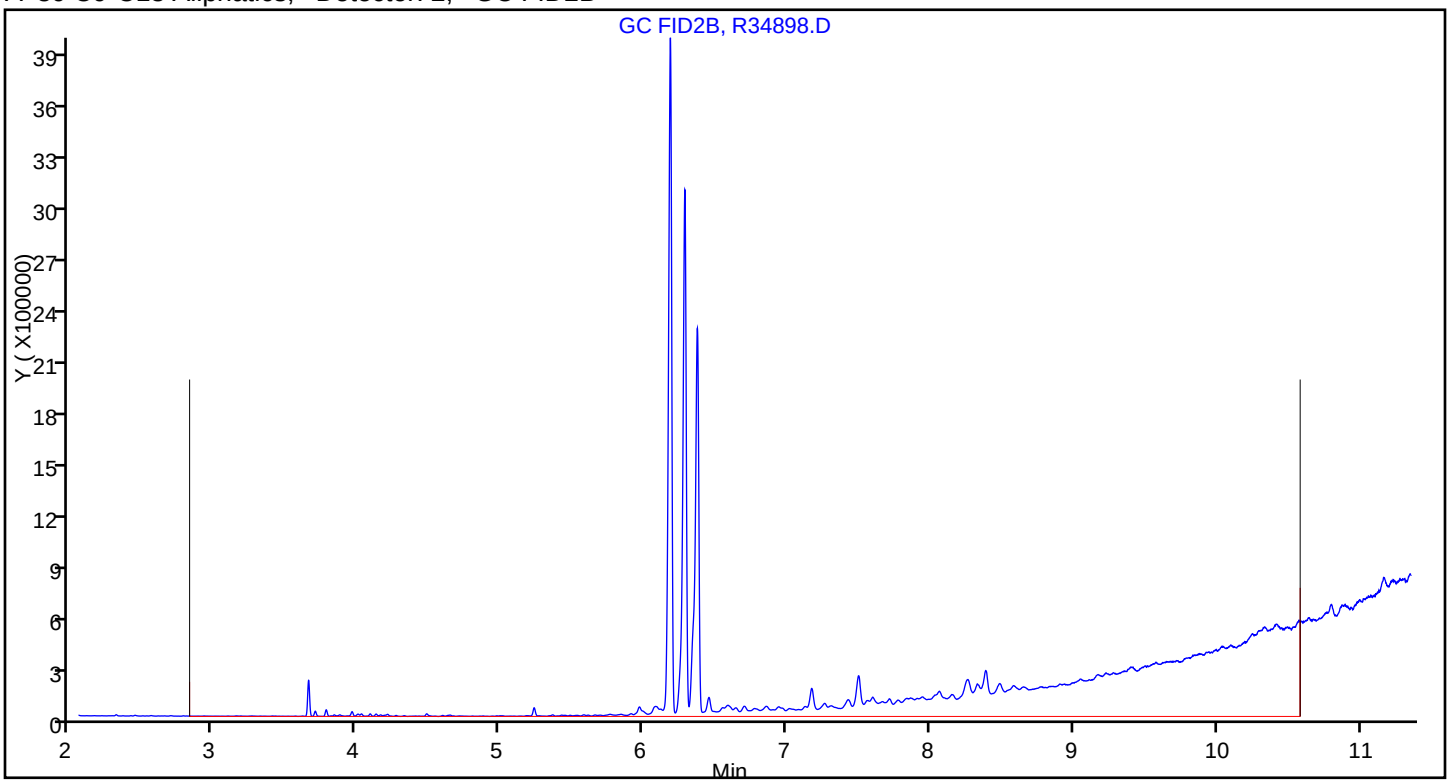
A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



Report Date: 21-Dec-2010 13:01:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D		
Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

A 39 C9-C18 Aliphatics, Detector: 2, GC FID2B

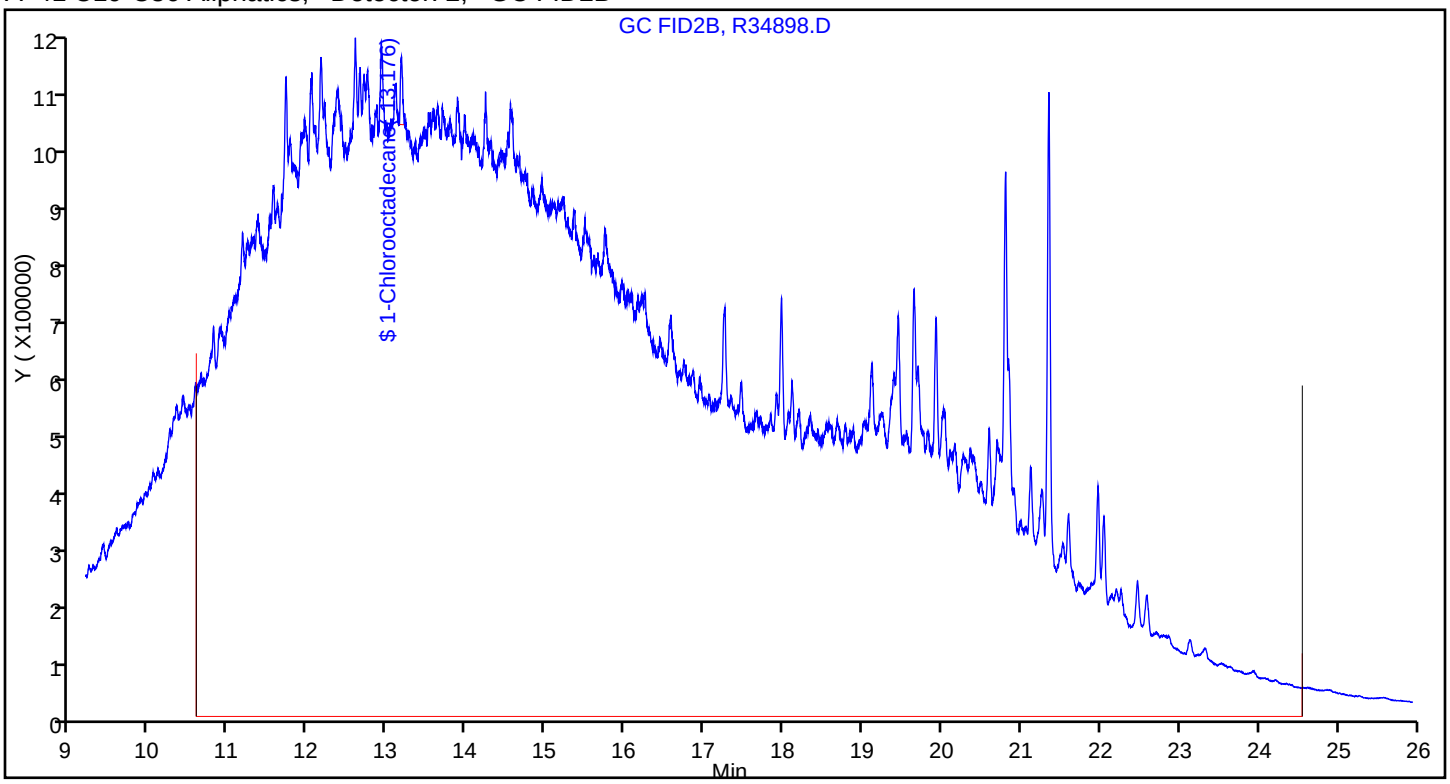


Report Date: 21-Dec-2010 13:01:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D

Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B

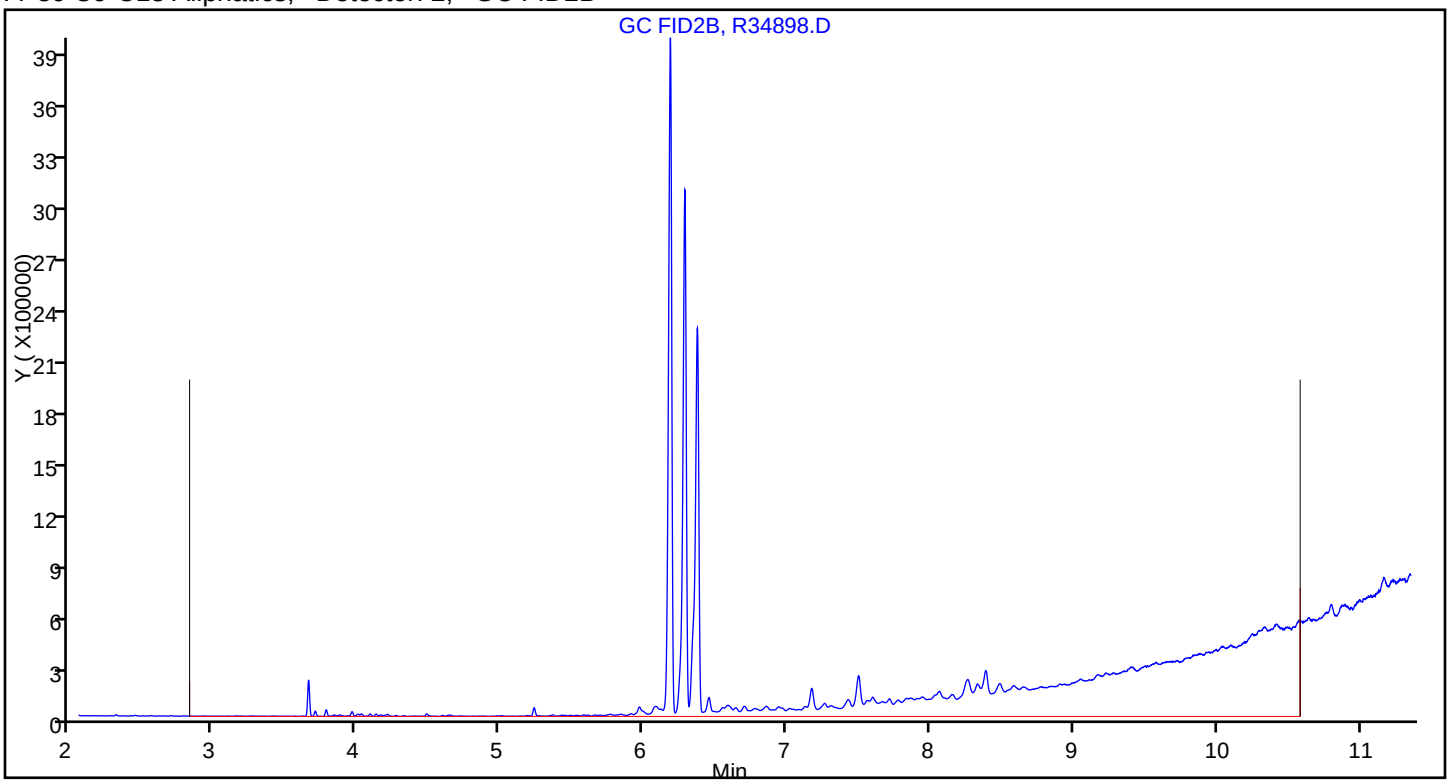


Report Date: 21-Dec-2010 13:01:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D

Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

A 39 C9-C18 Aliphatics, Detector: 2, GC FID2B



Report Date: 21-Dec-2010 13:01:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

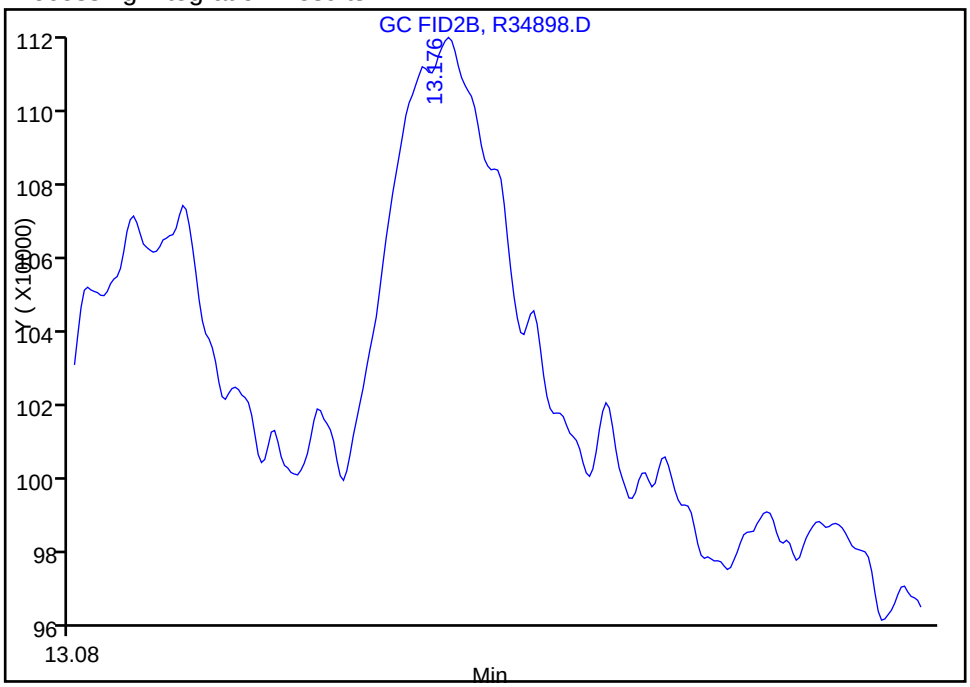
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34898.D		
Injection Date:	21-Dec-2010 11:12:19	Limit Group:	GC MA EPH
Client ID:	OC-SD-ISCO-2-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	4
Operator ID:	SS	Injection Vol:	1.00 ul

$ 4 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 13.18, Det: GC FID2B

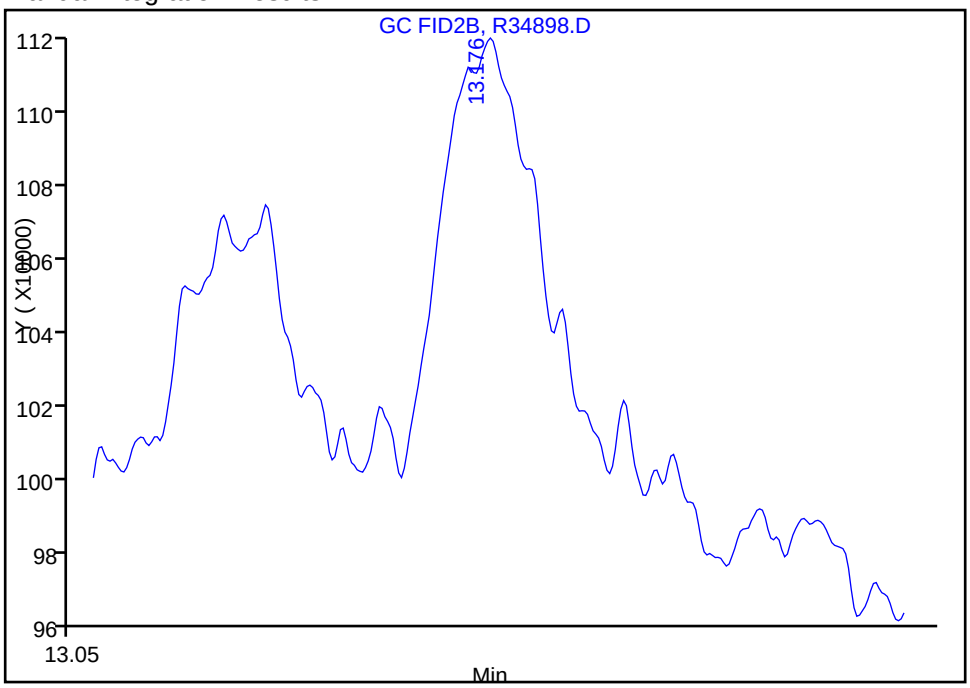
Processing Integration Results

RT: 13.18
Response: 128874
Amount: 0.728661



Manual Integration Results

RT: 13.18
Response: 216940
Amount: 1.324816



Reviewer: sadowskis, 21-Dec-2010 11:42:34
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX | Lab Sample ID: 360-31465-5

Matrix: Solid | Lab File ID: R34896.D

Analysis Method: MA-EPH | Date Collected: 12/09/2010 13:15

Extraction Method: 3546 | Date Extracted: 12/14/2010 12:38

Sample wt/vol: 30.82(g) | Date Analyzed: 12/21/2010 10:37

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 2

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 42.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67453 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	1100		11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	62		40-140
321-60-8	2-Fluorobiphenyl	84		40-140
580-13-2	2-Bromonaphthalene	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D		
Lims ID:	360-31465-A-5-C	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	21-Dec-2010 10:37:53	Dil. Factor:	2.0000
Sample Type:	Client		
Sample ID:	360-31465-A-5-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	67453	Lims Sample ID:	3
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m		
Last Update:	21-Dec-2010 13:01:25	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:01:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.900	-0.003	9157462	42.0	
$ 2 2-Bromonaphthalene						
1	6.742	6.746	-0.004	6082857	41.5	
$ 3 o-Terphenyl						
1	10.309	10.311	-0.002	7745866	30.8	
$ 4 1-Chlorooctadecane						
2	13.188	13.176	0.012	5055745	34.1	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.584		87887020	421.7	
A 40 C11-C22 Aromatics						
1	12.643	4.573 - 20.713		1071571941	4727.6	
A 41 C19-C36 Aliphatics						
2	17.568	10.584 - 24.552		559874913	3051.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					4727.6	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					8200.6	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

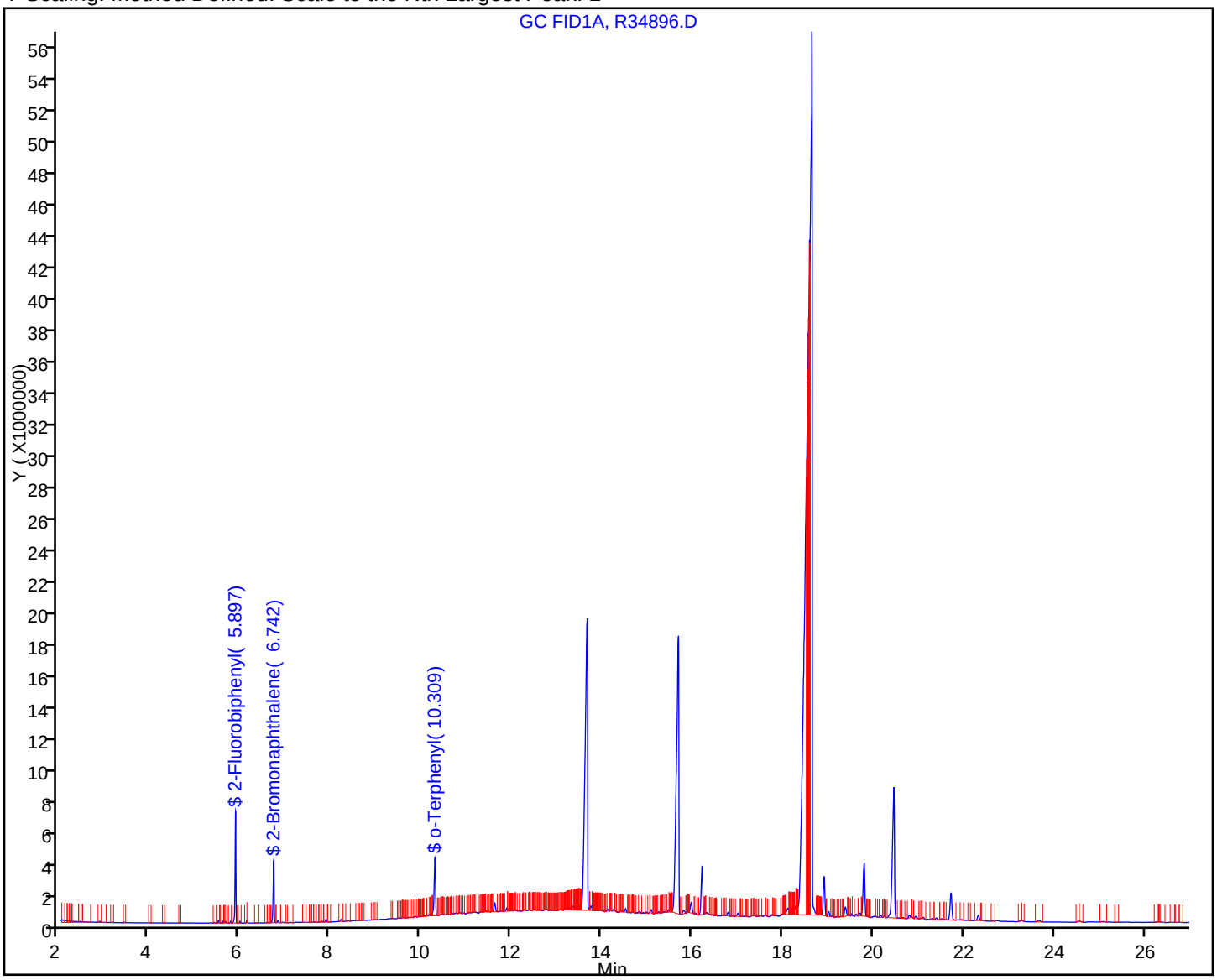
Processing Flags
7 - Failed Limit of Detection

Report Date: 21-Dec-2010 13:01:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D

Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

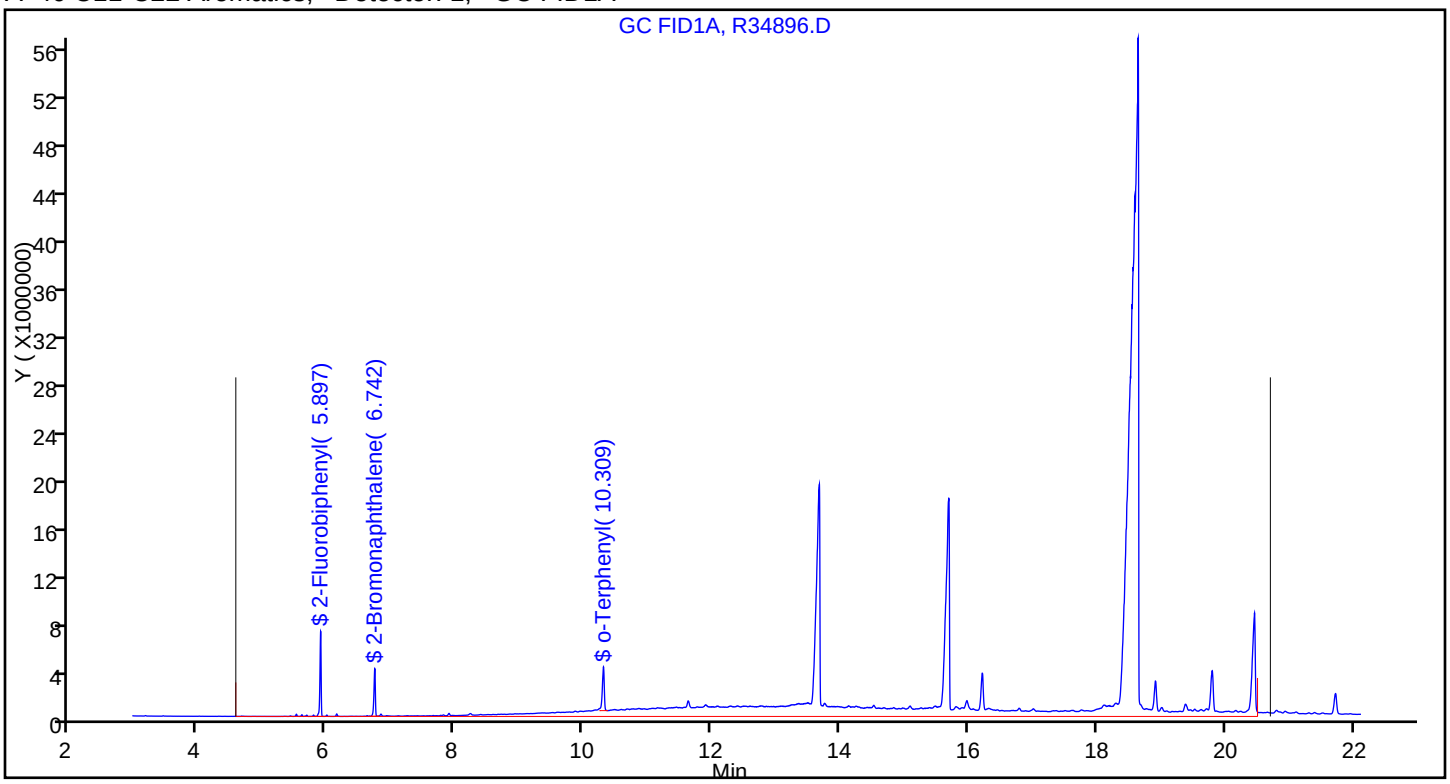


Report Date: 21-Dec-2010 13:01:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D

Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: R34896.D

Analysis Method: MA-EPH Date Collected: 12/09/2010 13:15

Extraction Method: 3546 Date Extracted: 12/14/2010 12:38

Sample wt/vol: 30.82(g) Date Analyzed: 12/21/2010 10:37

Con. Extract Vol.: 2.0(mL) Dilution Factor: 2

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 42.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67453 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	1100		11	11
STL00087	C19-C36 Aliphatics	690		11	11
STL00306	C9-C18 Aliphatics	96		11	11
STL00362	Total EPH	1900		11	11

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\20101221-4413.b\R34896.D		
Lims ID:	360-31465-A-5-C	Client ID:	OC-SD-SD-1-XXX
Inject. Date:	21-Dec-2010 10:37:53	Dil. Factor:	2.0000
Sample Type:	Client		
Sample ID:	360-31465-A-5-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	67453	Lims Sample ID:	3
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m		
Last Update:	21-Dec-2010 13:01:25	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:01:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.900	-0.003	9157462	42.0	
$ 2 2-Bromonaphthalene						
1	6.742	6.746	-0.004	6082857	41.5	
$ 3 o-Terphenyl						
1	10.309	10.311	-0.002	7745866	30.8	
$ 4 1-Chlorooctadecane						
2	13.188	13.176	0.012	5055745	34.1	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 -	10.584	87887020	421.7	
A 40 C11-C22 Aromatics						
1	12.643	4.573 -	20.713	1071571941	4727.6	
A 41 C19-C36 Aliphatics						
2	17.568	10.584 -	24.552	559874913	3051.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					4727.6	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					8200.6	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

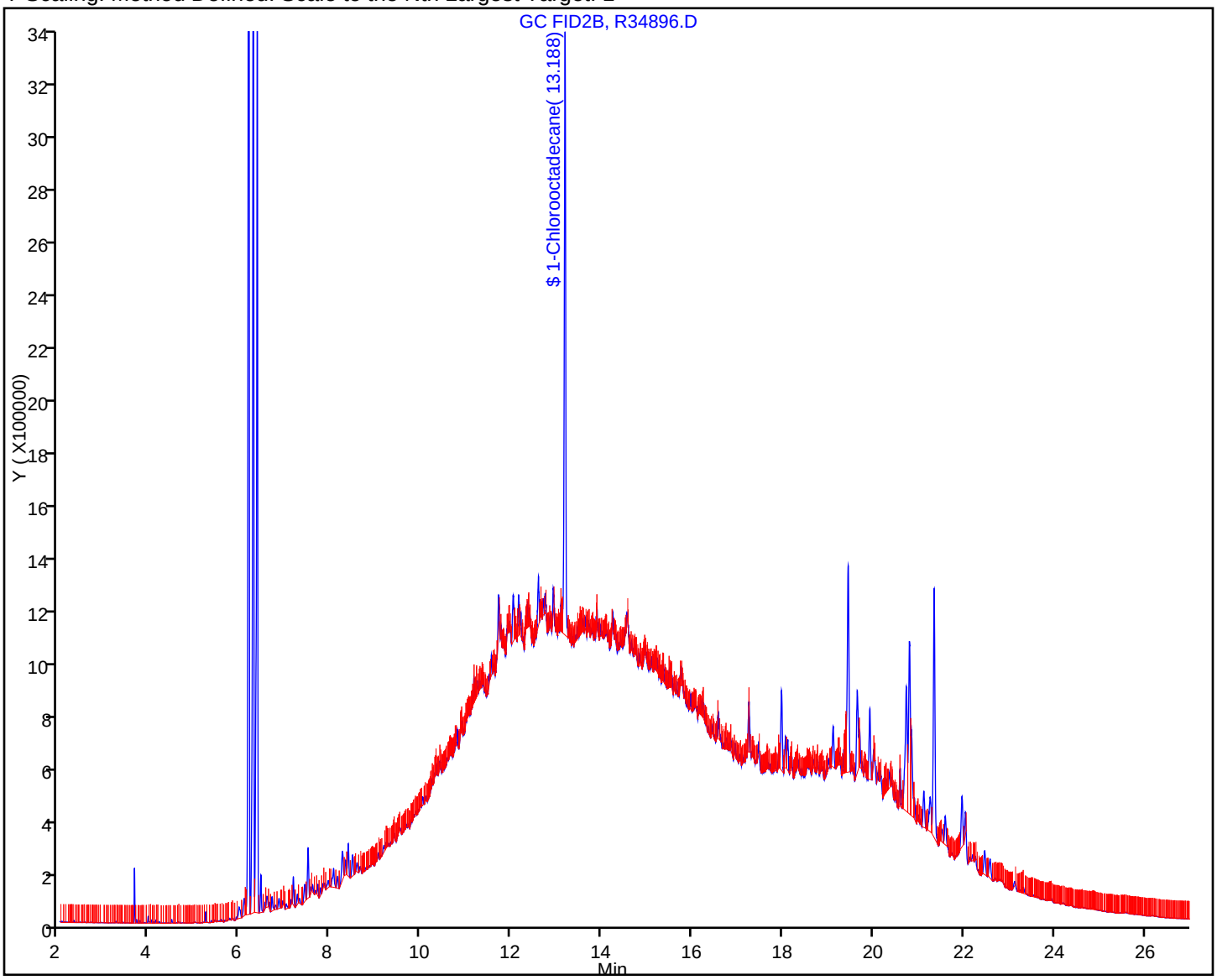
Processing Flags
7 - Failed Limit of Detection

Report Date: 21-Dec-2010 13:01:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D

Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

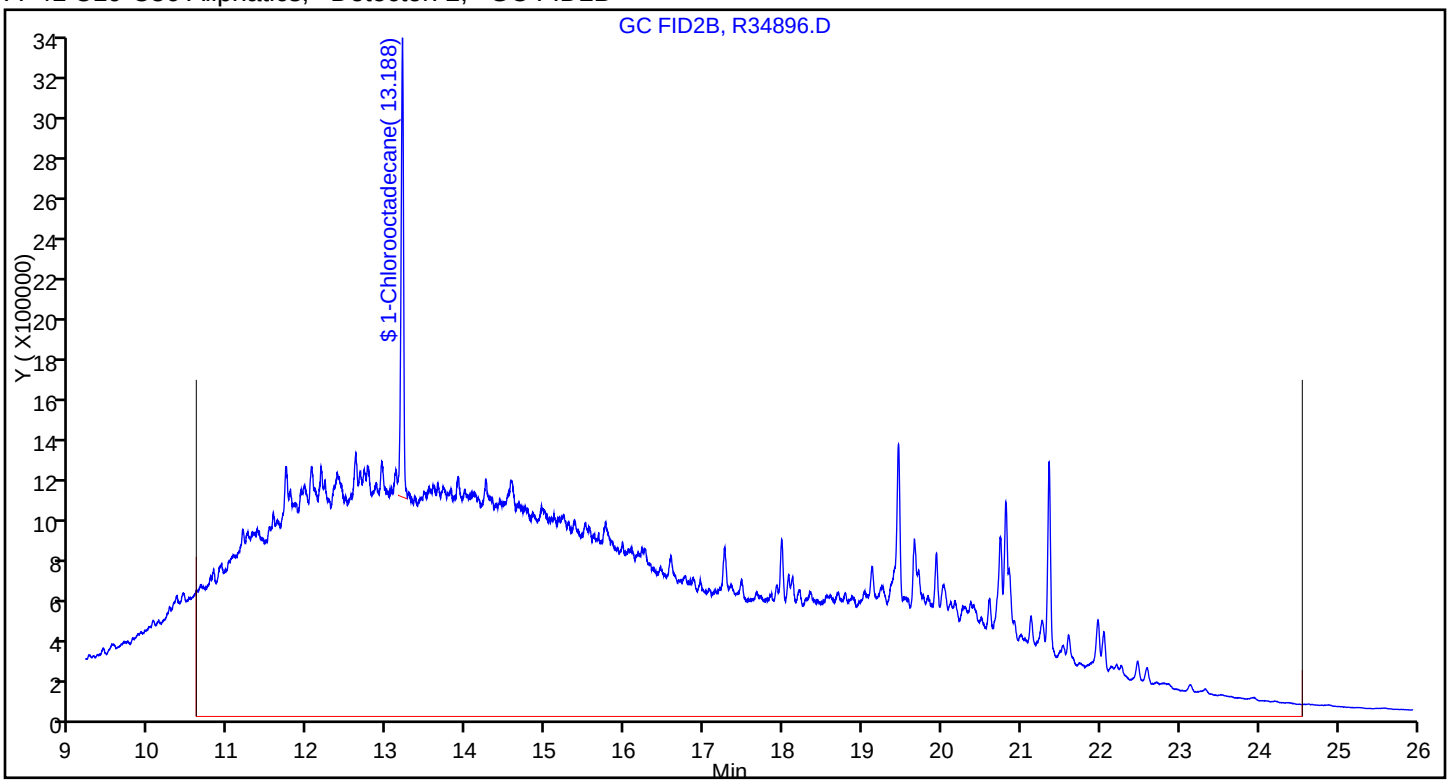


Report Date: 21-Dec-2010 13:01:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D

Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B

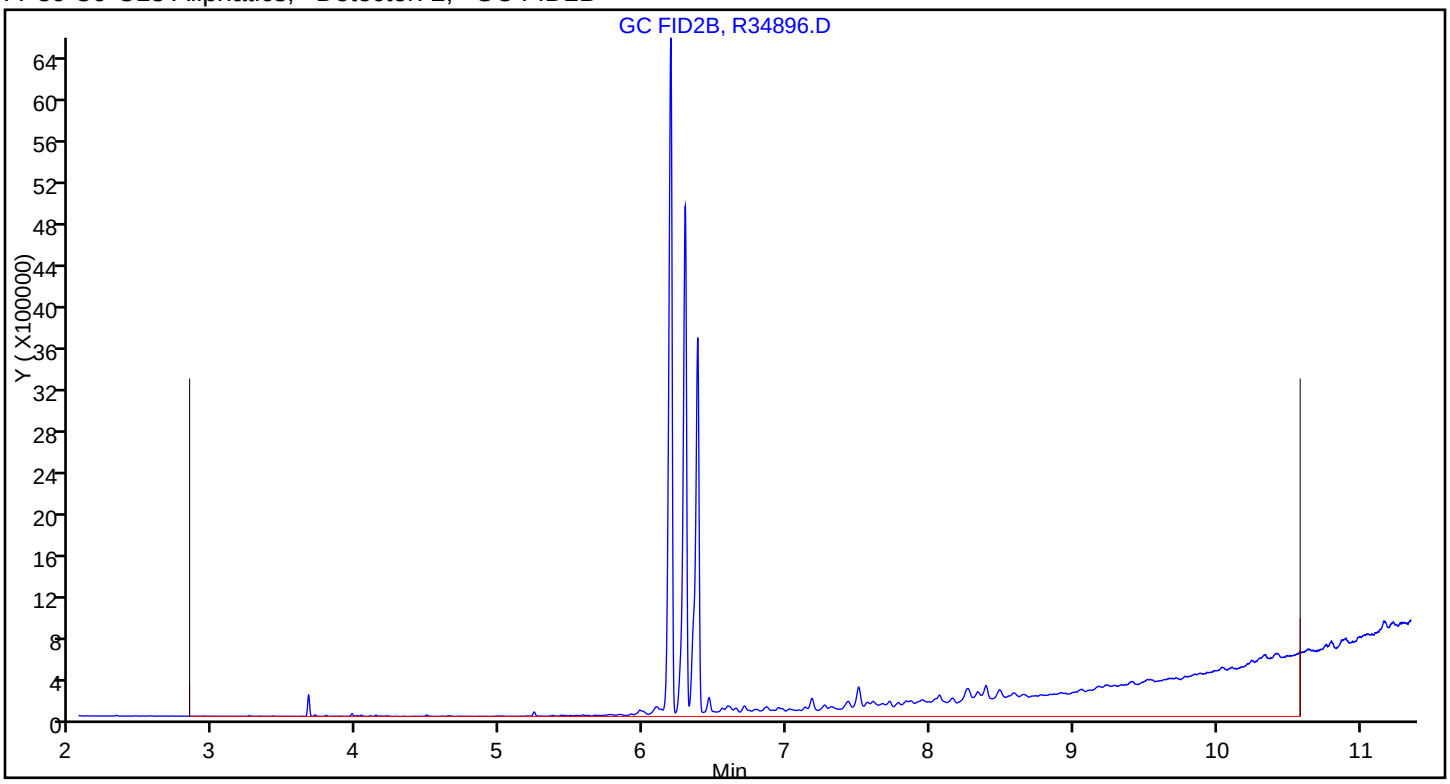


Report Date: 21-Dec-2010 13:01:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D

Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

A 39 C9-C18 Aliphatics, Detector: 2, GC FID2B

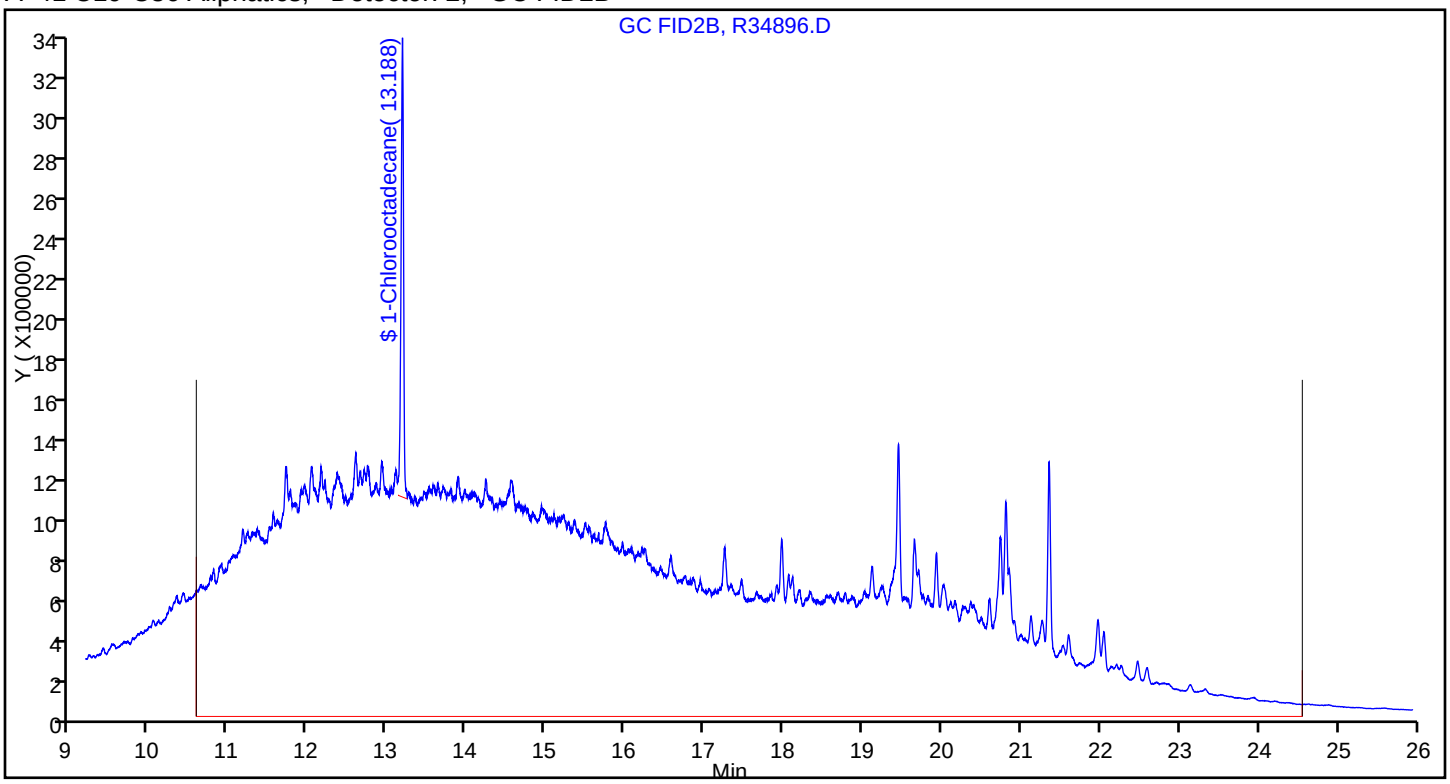


Report Date: 21-Dec-2010 13:01:43 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D

Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

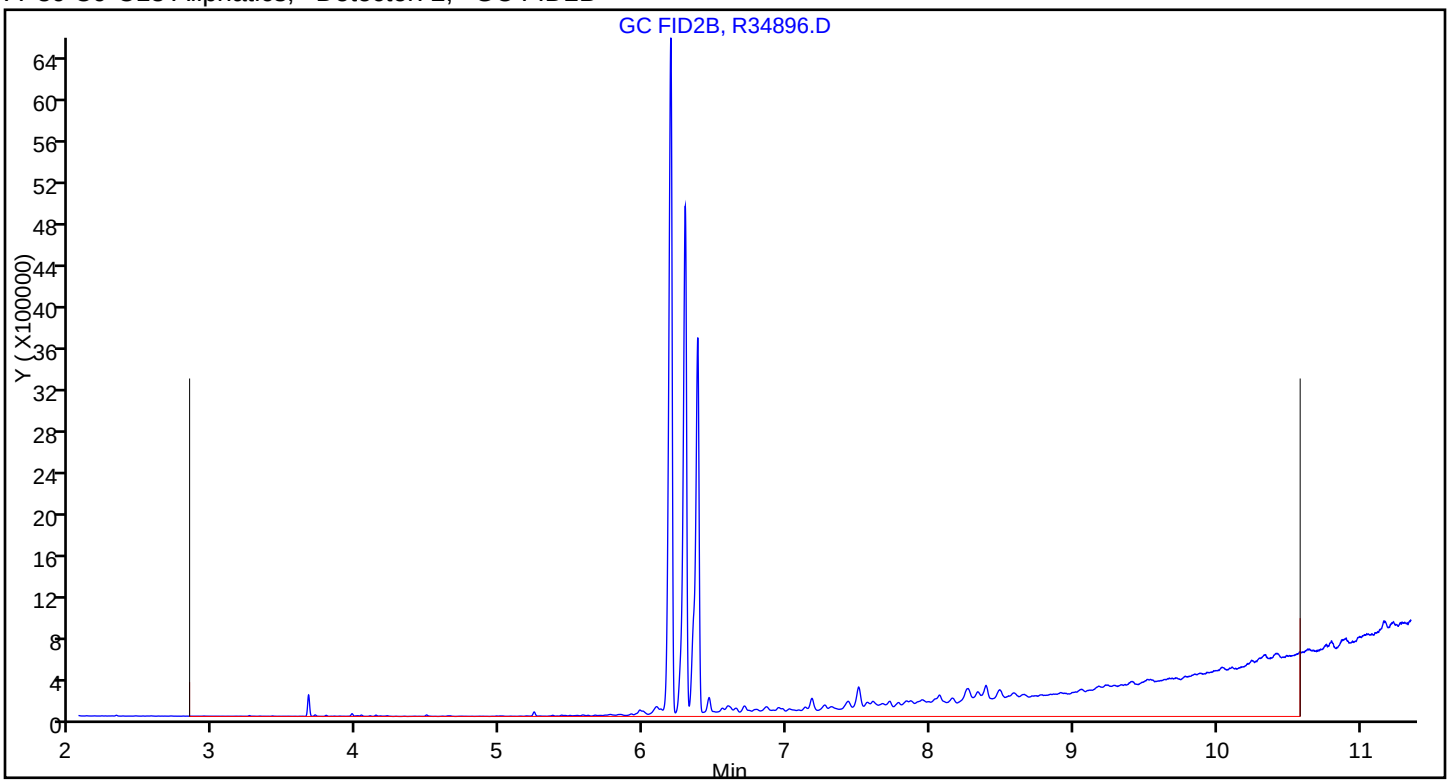
A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



Report Date: 21-Dec-2010 13:01:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34896.D		
Injection Date:	21-Dec-2010 10:37:53	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-1-XXX	Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	3
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX | Lab Sample ID: 360-31465-6

Matrix: Solid | Lab File ID: R34690.D

Analysis Method: MA-EPH | Date Collected: 12/09/2010 15:45

Extraction Method: 3546 | Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.24(g) | Date Analyzed: 12/14/2010 13:30

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 24.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67110 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	24		4.4	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	70		40-140
321-60-8	2-Fluorobiphenyl	95		40-140
580-13-2	2-Bromonaphthalene	93		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D		
Lims ID:	360-31465-A-6-A	Client ID:	OC-SD-SD-SD3-XXX
Inject. Date:	14-Dec-2010 13:30:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-6-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	67110	Lims Sample ID:	21
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:42:49	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:44:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.890	5.893	-0.003	10400608	47.7	
$ 2 2-Bromonaphthalene						
1	6.733	6.739	-0.006	6805414	46.4	
$ 3 o-Terphenyl						
1	10.311	10.305	0.006	17471688	69.5	
$ 4 1-Chlorooctadecane						
2	13.188	13.183	0.005	11151946	75.3	
A 39 C9-C18 Aliphatics						
2	6.712	2.833 - 10.590		6652893	3.37	
A 40 C11-C22 Aromatics						
1	12.644	4.566 - 20.721		62255979	274.7	
A 41 C19-C36 Aliphatics						
2	17.473	10.590 - 24.355		93253906	485.1	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 43 Total EPH						
1					763.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					274.7	7
2					0	
LOD = 0.5000						

QC Flag Legend

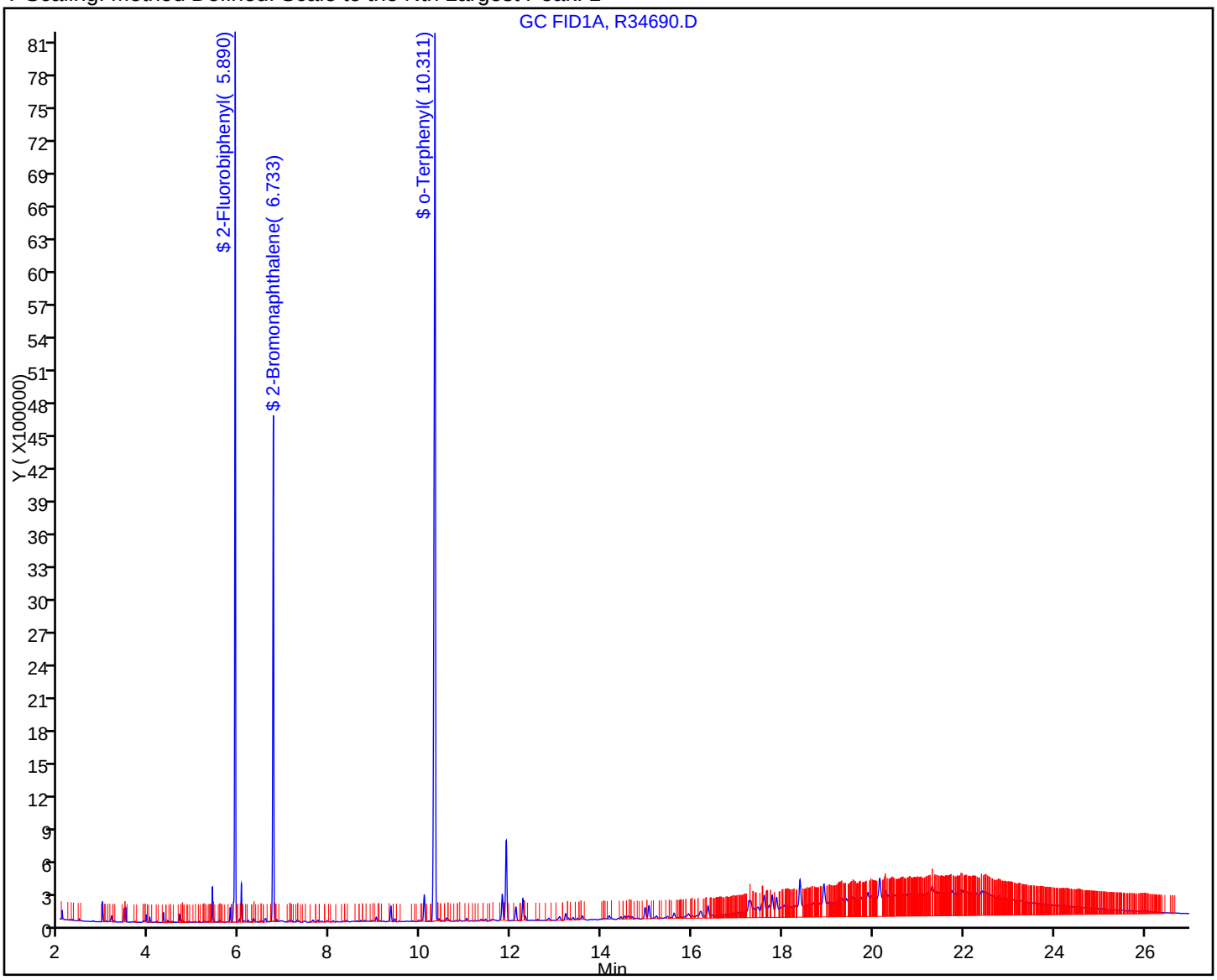
Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2010 08:44:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D

Injection Date:	14-Dec-2010 13:30:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	21
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

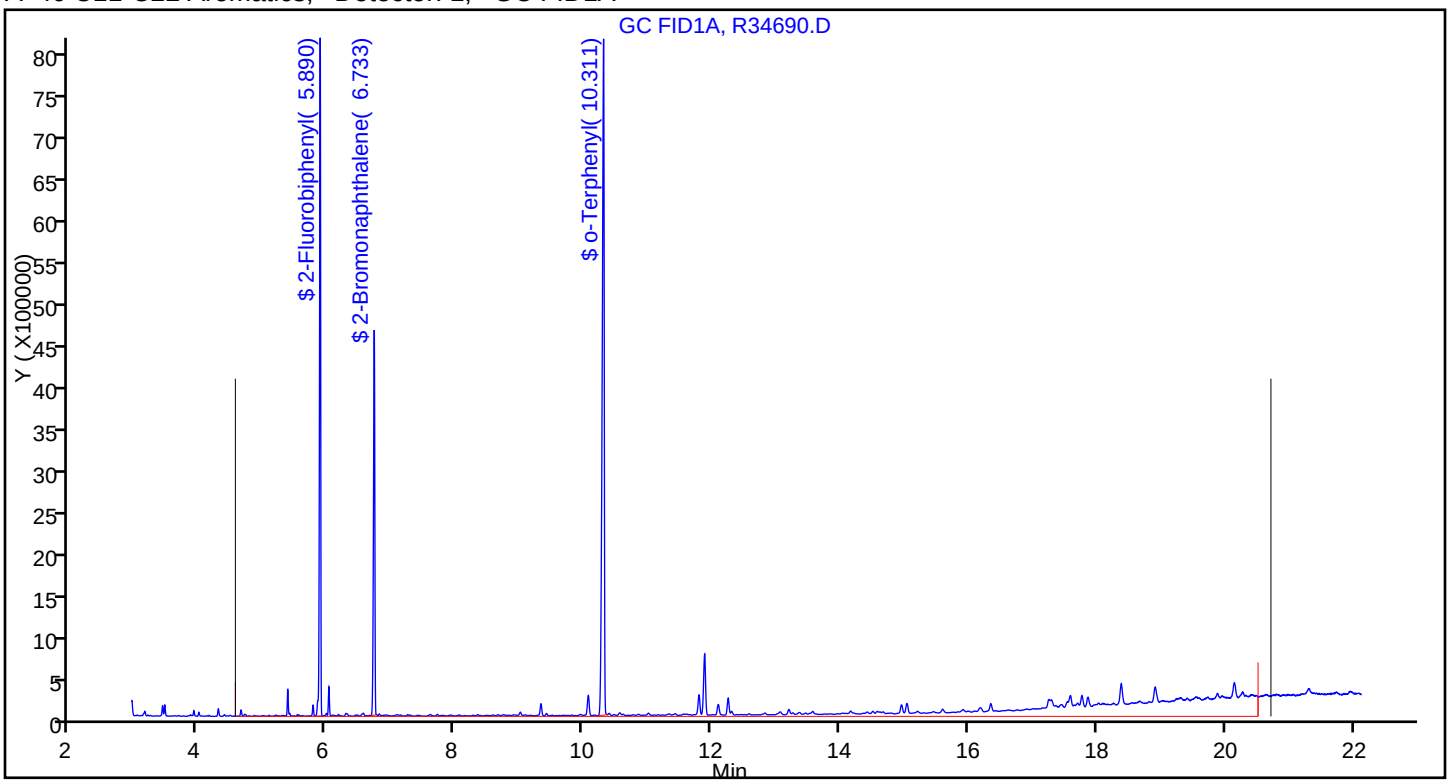


Report Date: 15-Dec-2010 08:44:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D

Injection Date:	14-Dec-2010 13:30:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	21
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX Lab Sample ID: 360-31465-6

Matrix: Solid Lab File ID: R34690.D

Analysis Method: MA-EPH Date Collected: 12/09/2010 15:45

Extraction Method: 3546 Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.24(g) Date Analyzed: 12/14/2010 13:30

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 24.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67110 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	24		4.4	4.4
STL00087	C19-C36 Aliphatics	43		4.4	4.4
STL00306	C9-C18 Aliphatics	ND		4.4	4.4
STL00362	Total EPH	67		4.4	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	75		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D		
Lims ID:	360-31465-A-6-A	Client ID:	OC-SD-SD-SD3-XXX
Inject. Date:	14-Dec-2010 13:30:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-6-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	67110	Lims Sample ID:	21
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:42:49	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:44:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.890	5.893	-0.003	10400608	47.7	
$ 2 2-Bromonaphthalene						
1	6.733	6.739	-0.006	6805414	46.4	
$ 3 o-Terphenyl						
1	10.311	10.305	0.006	17471688	69.5	
$ 4 1-Chlorooctadecane						
2	13.188	13.183	0.005	11151946	75.3	
A 39 C9-C18 Aliphatics						
2	6.712	2.833 - 10.590		6652893	3.37	
A 40 C11-C22 Aromatics						
1	12.644	4.566 - 20.721		62255979	274.7	
A 41 C19-C36 Aliphatics						
2	17.473	10.590 - 24.355		93253906	485.1	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 43 Total EPH						
1					763.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					274.7	7
2					0	
LOD = 0.5000						

QC Flag Legend

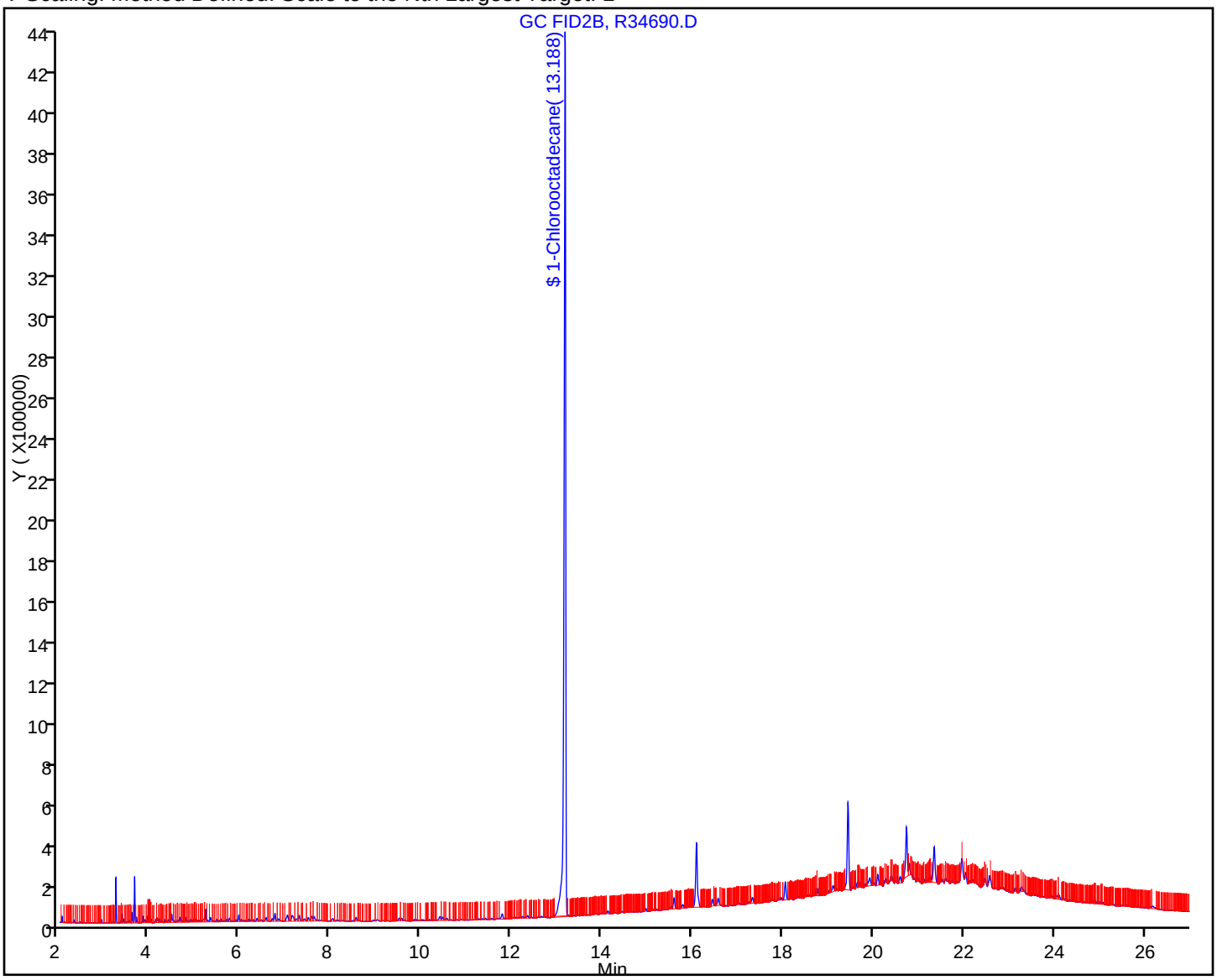
Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2010 08:44:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D

Injection Date:	14-Dec-2010 13:30:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	21
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

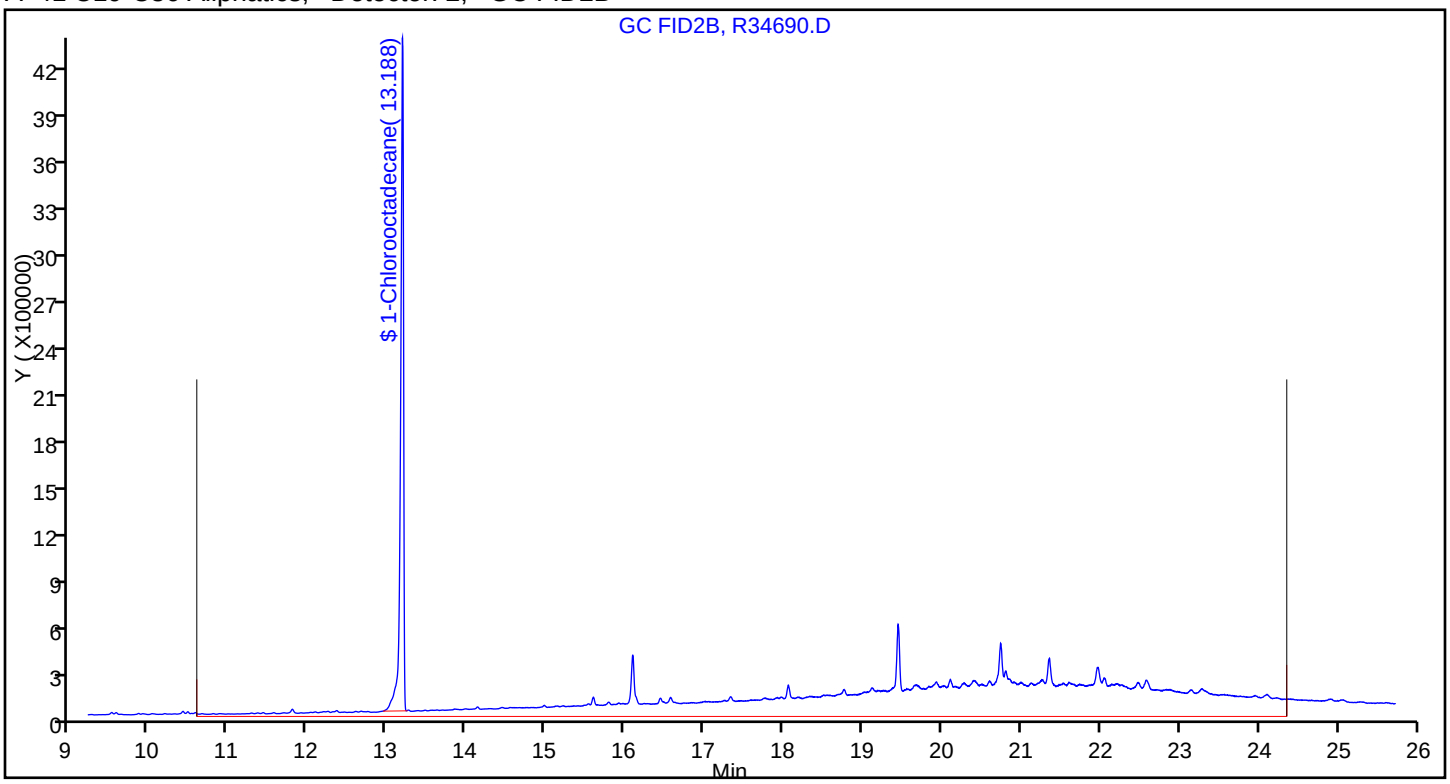


Report Date: 15-Dec-2010 08:44:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D

Injection Date:	14-Dec-2010 13:30:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	21
Operator ID:	SS	Injection Vol:	1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B

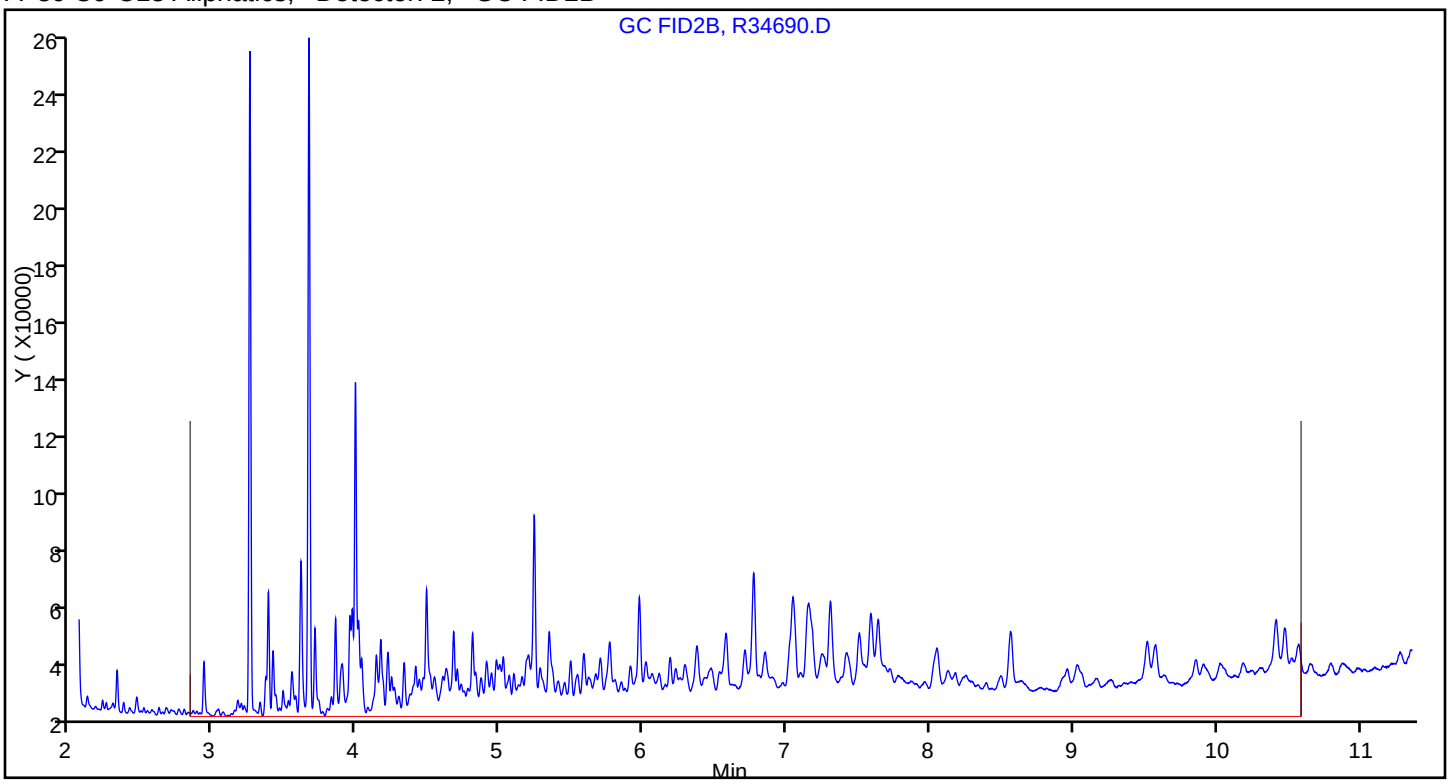


Report Date: 15-Dec-2010 08:44:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34690.D

Injection Date:	14-Dec-2010 13:30:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD3-XXX	Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	21
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX | Lab Sample ID: 360-31465-7

Matrix: Solid | Lab File ID: R34672.D

Analysis Method: MA-EPH | Date Collected: 12/09/2010 14:40

Extraction Method: 3546 | Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.18(g) | Date Analyzed: 12/13/2010 16:47

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67050 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	11		4.2	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	81		40-140
321-60-8	2-Fluorobiphenyl	111		40-140
580-13-2	2-Bromonaphthalene	107		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34672.D		
Lims ID:	360-31465-A-7-A	Client ID:	OC-SD-SDSW-E-XXX
Inject. Date:	13-Dec-2010 16:47:33	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-7-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	67050	Lims Sample ID:	13
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:40:30	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:42:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.893	-0.001	12123393	55.6	
$ 2 2-Bromonaphthalene						
1	6.737	6.739	-0.002	7854921	53.6	
$ 3 o-Terphenyl						
1	10.316	10.305	0.011	20426361	81.3	
$ 4 1-Chlorooctadecane						
2	13.189	13.183	0.006	9816173	66.3	
A 40 C11-C22 Aromatics						
1	12.648	4.563 - 20.733		28952884	127.7	
A 41 C19-C36 Aliphatics						
2	17.472	10.590 -24.355		35666106	168.4	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 43 Total EPH						
1					296.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					127.7	7
2					0	
LOD = 0.5000						

QC Flag Legend

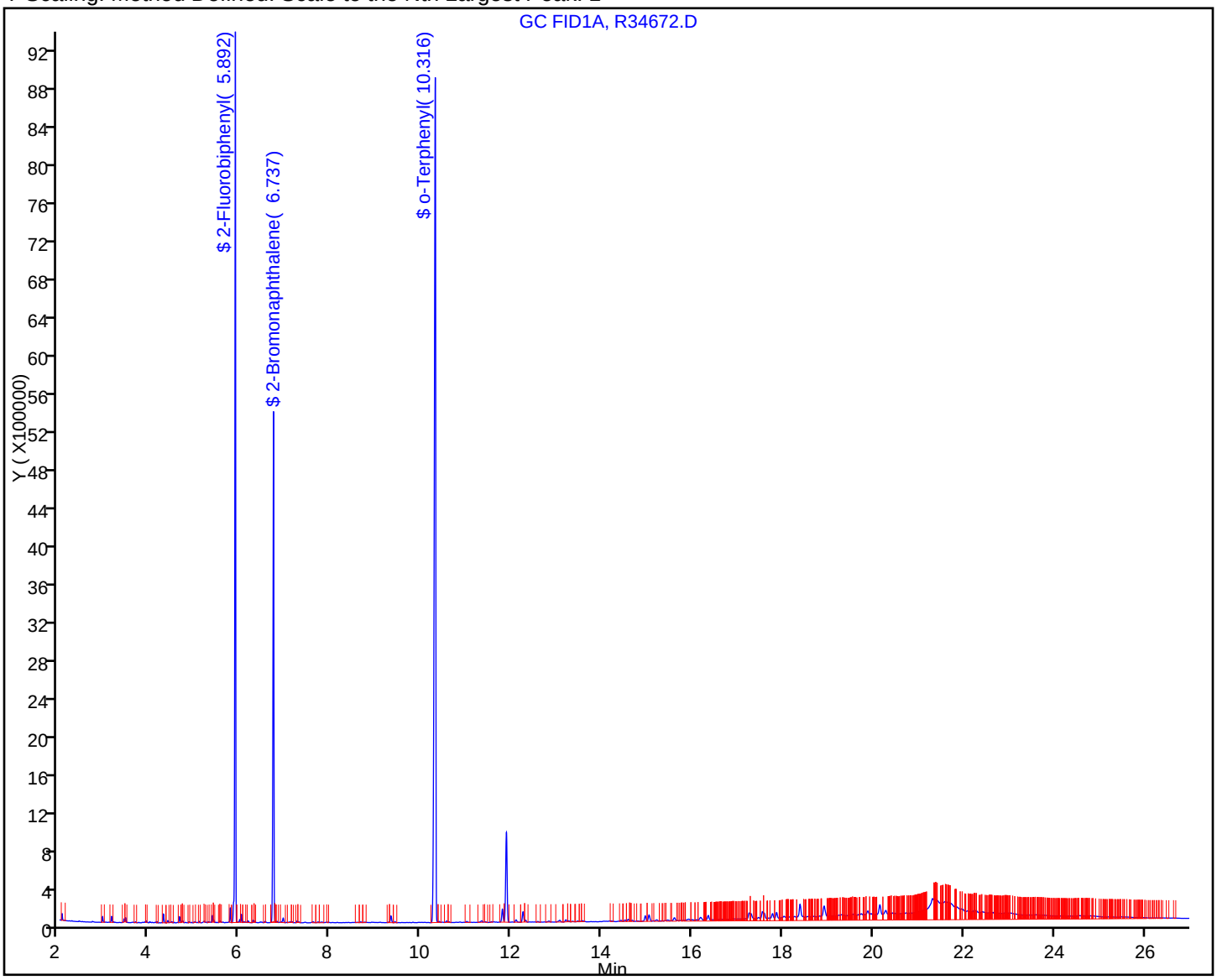
Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2010 08:42:17 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34672.D

Injection Date:	13-Dec-2010 16:47:33	Limit Group:	GC MA EPH
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	13
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

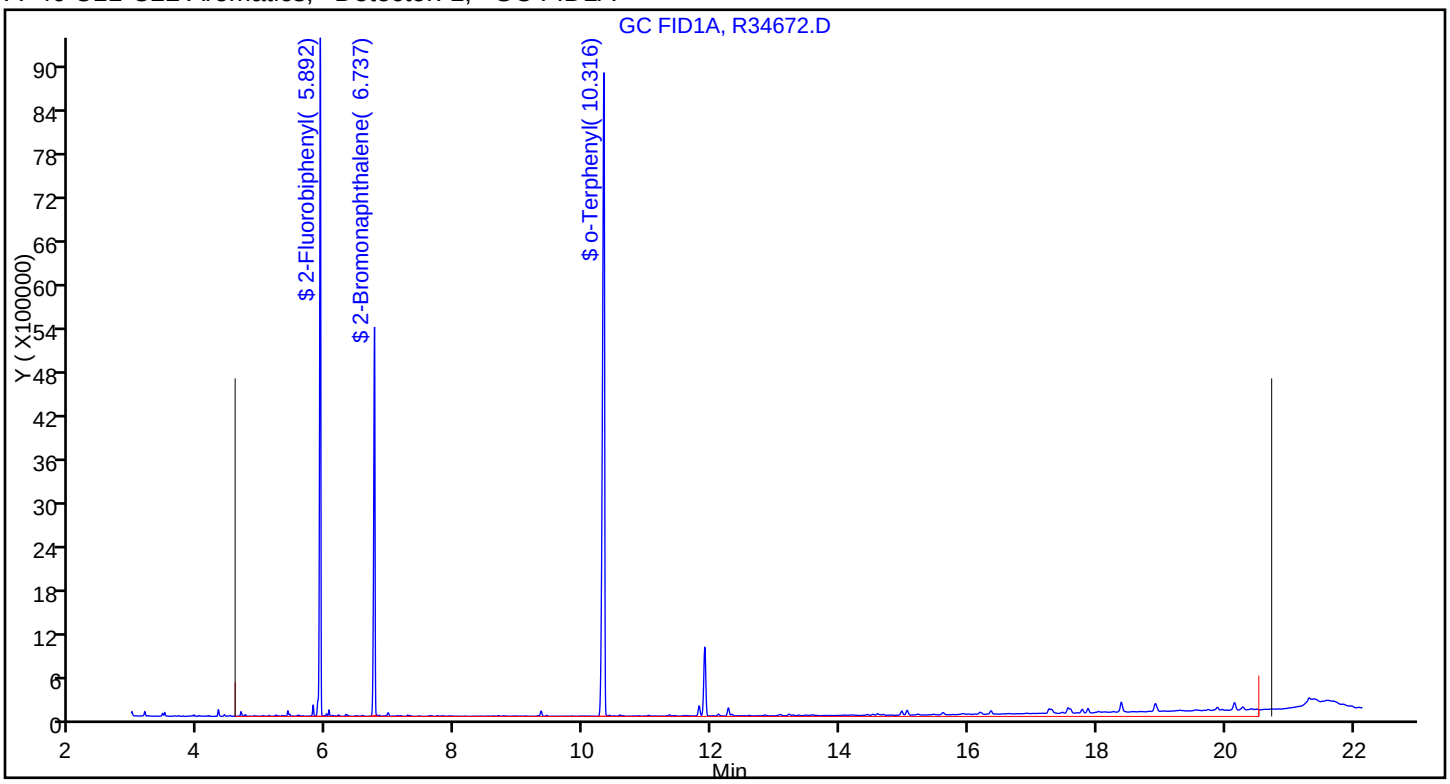


Report Date: 15-Dec-2010 08:42:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34672.D

Injection Date:	13-Dec-2010 16:47:33	Limit Group:	GC MA EPH
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	13
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: R34672.D

Analysis Method: MA-EPH Date Collected: 12/09/2010 14:40

Extraction Method: 3546 Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.18(g) Date Analyzed: 12/13/2010 16:47

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 22.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67050 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	11		4.2	4.2
STL00087	C19-C36 Aliphatics	14		4.2	4.2
STL00306	C9-C18 Aliphatics	ND		4.2	4.2
STL00362	Total EPH	25		4.2	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	66		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34672.D		
Lims ID:	360-31465-A-7-A	Client ID:	OC-SD-SDSW-E-XXX
Inject. Date:	13-Dec-2010 16:47:33	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-7-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	67050	Lims Sample ID:	13
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:40:30	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:42:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.893	-0.001	12123393	55.6	
$ 2 2-Bromonaphthalene						
1	6.737	6.739	-0.002	7854921	53.6	
$ 3 o-Terphenyl						
1	10.316	10.305	0.011	20426361	81.3	
$ 4 1-Chlorooctadecane						
2	13.189	13.183	0.006	9816173	66.3	
A 40 C11-C22 Aromatics						
1	12.648	4.563 - 20.733		28952884	127.7	
A 41 C19-C36 Aliphatics						
2	17.472	10.590 -24.355		35666106	168.4	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 43 Total EPH						
1					296.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					127.7	7
2					0	
LOD = 0.5000						

QC Flag Legend

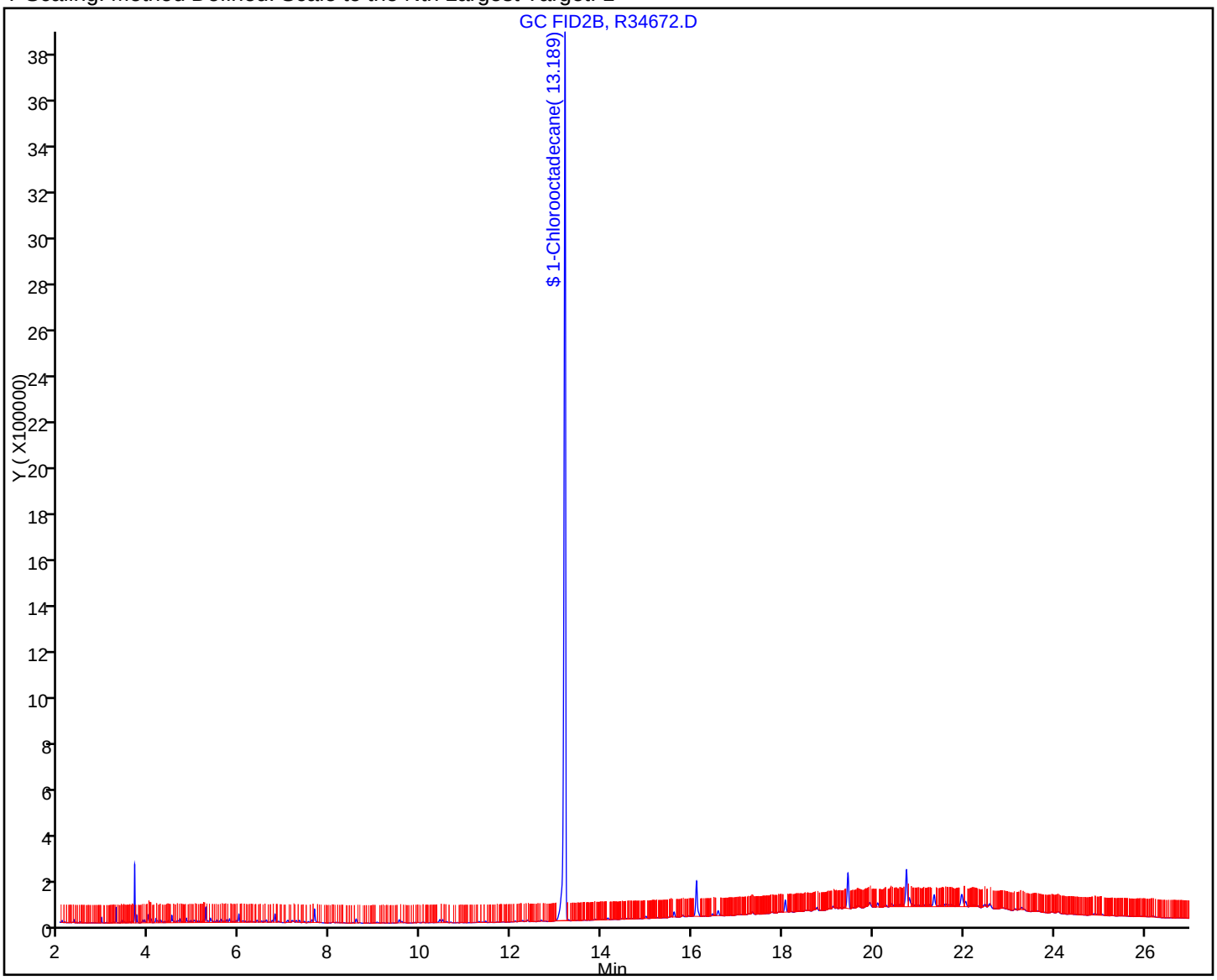
Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2010 08:42:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34672.D

Injection Date:	13-Dec-2010 16:47:33	Limit Group:	GC MA EPH
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	13
Operator ID:	SS	Injection Vol:	1.00 ul

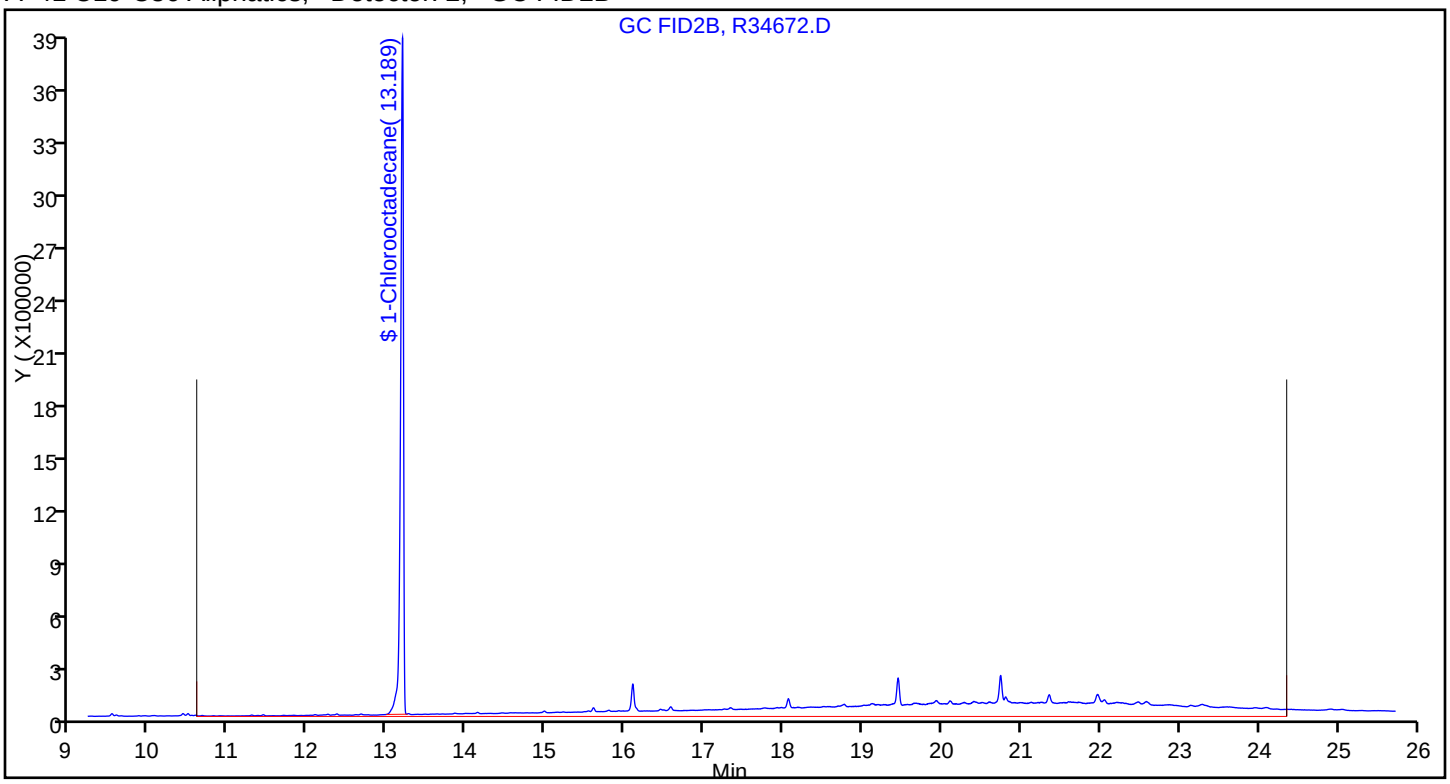
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 15-Dec-2010 08:42:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34672.D		
Injection Date:	13-Dec-2010 16:47:33	Limit Group:	GC MA EPH
Client ID:	OC-SD-SDSW-E-XXX	Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	13
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: R34748.D

Analysis Method: MA-EPH | Date Collected: 12/10/2010 09:00

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.47(g) | Date Analyzed: 12/16/2010 02:52

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	16		5.7	5.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	58		40-140
321-60-8	2-Fluorobiphenyl	75		40-140
580-13-2	2-Bromonaphthalene	74		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34748.D		
Lims ID:	360-31465-A-12-C	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	16-Dec-2010 02:52:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-12-C		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	46
Lims Batch ID:	67211	Lims Sample ID:	23
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:20:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	8127896	37.3	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	5430947	37.0	
$ 3 o-Terphenyl						
1	10.308	10.308	0.000	14629890	58.2	
$ 4 1-Chlorooctadecane						
2	13.185	13.180	0.005	11295491	76.3	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		30856298	136.1	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		54692538	273.1	
S 42 C11-C22 Aromatics (Adjusted)						
1					136.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					409.2	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

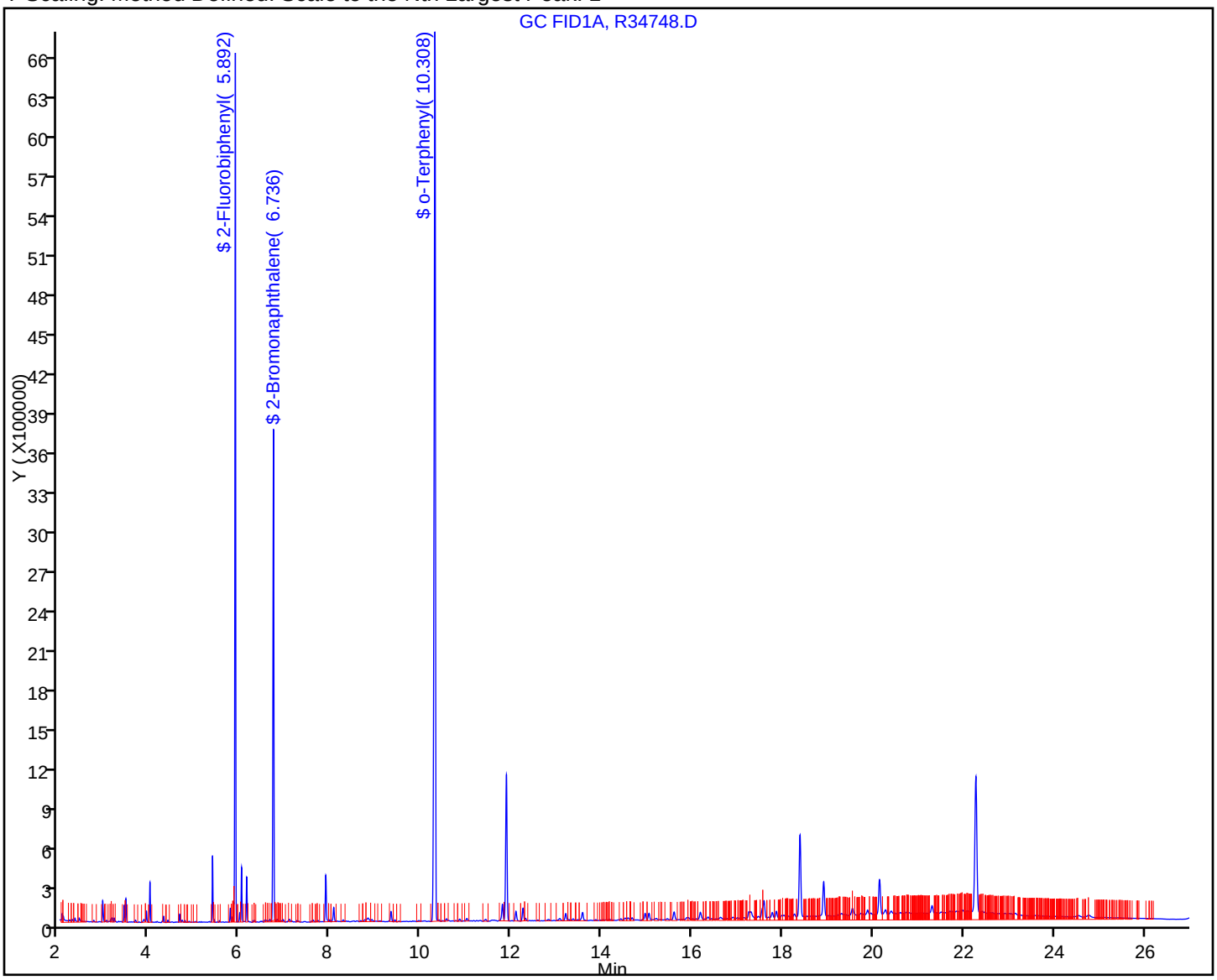
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:20:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34748.D

Injection Date:	16-Dec-2010 02:52:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	23
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

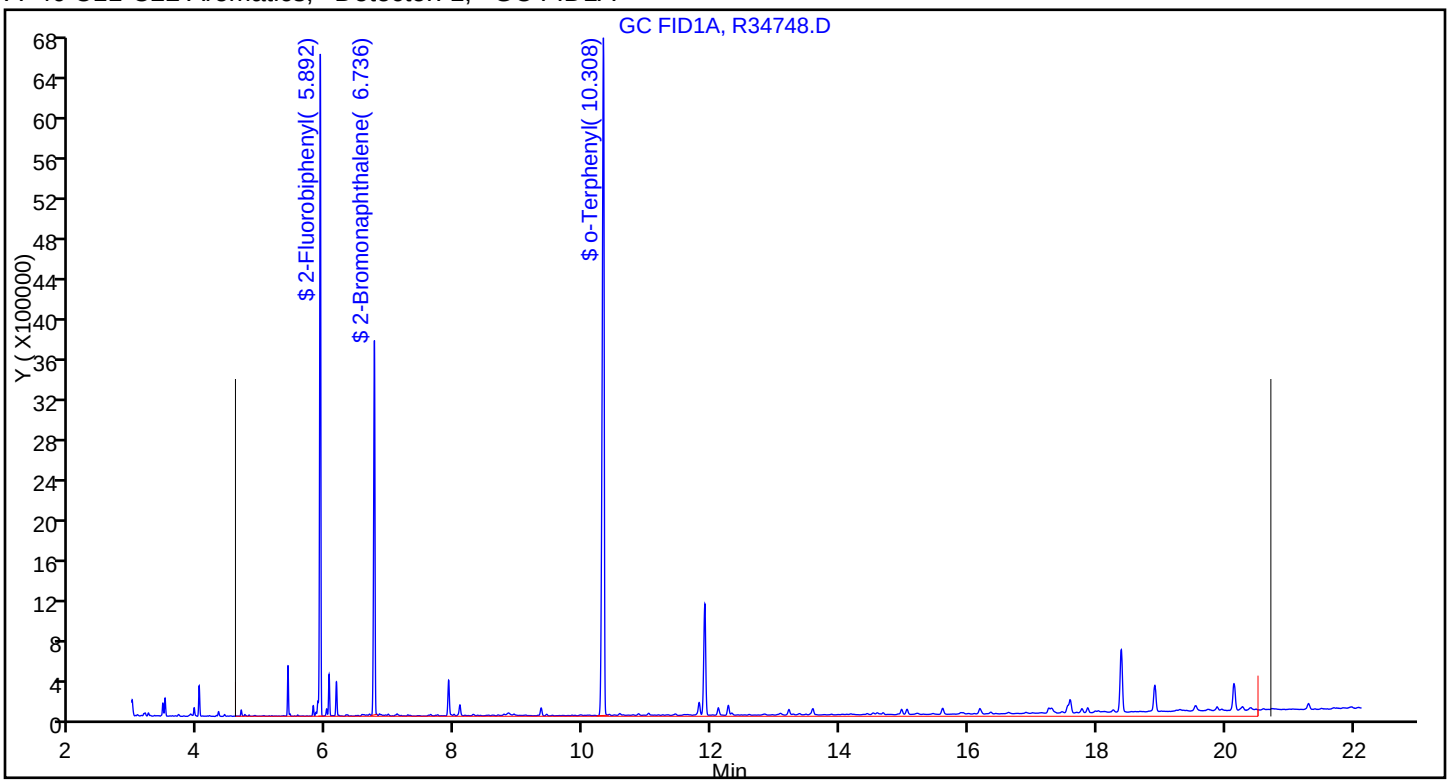


Report Date: 16-Dec-2010 11:20:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34748.D

Injection Date:	16-Dec-2010 02:52:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	23
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP | Lab Sample ID: 360-31465-12

Matrix: Solid | Lab File ID: R34748.D

Analysis Method: MA-EPH | Date Collected: 12/10/2010 09:00

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.47(g) | Date Analyzed: 12/16/2010 02:52

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 42.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	16		5.7	5.7
STL00087	C19-C36 Aliphatics	31		5.7	5.7
STL00306	C9-C18 Aliphatics	ND		5.7	5.7
STL00362	Total EPH	47		5.7	5.7

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\20101215-4367.b\R34748.D		
Lims ID:	360-31465-A-12-C	Client ID:	OC-SD-SD-SD2-DUP
Inject. Date:	16-Dec-2010 02:52:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-12-C		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	46
Lims Batch ID:	67211	Lims Sample ID:	23
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		
First Level Reviewer: sadowskis		Date:	16-Dec-2010 11:20:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	8127896	37.3	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	5430947	37.0	
$ 3 o-Terphenyl						
1	10.308	10.308	0.000	14629890	58.2	
$ 4 1-Chlorooctadecane						
2	13.185	13.180	0.005	11295491	76.3	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		30856298	136.1	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		54692538	273.1	
S 42 C11-C22 Aromatics (Adjusted)						
1					136.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					409.2	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

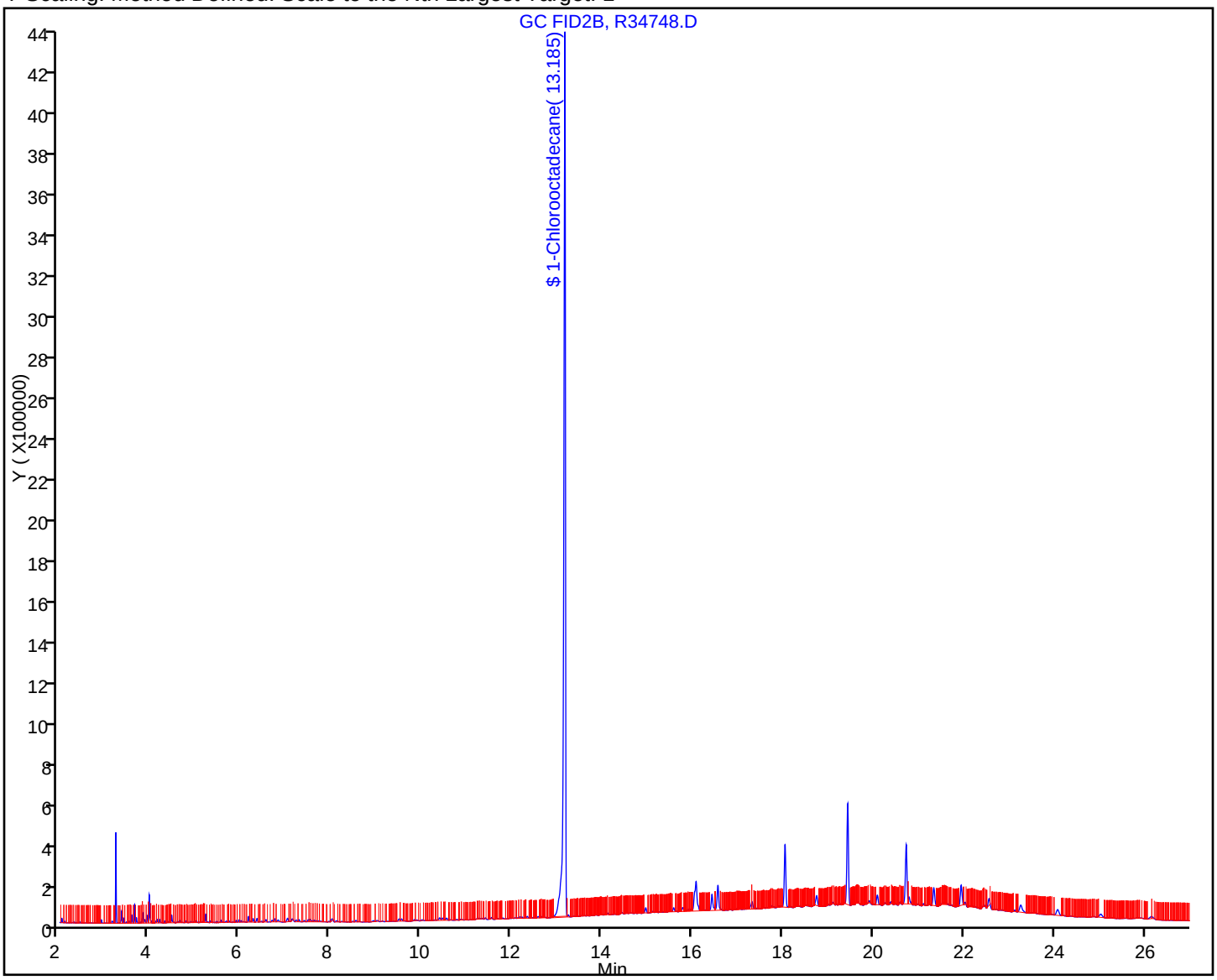
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:20:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34748.D

Injection Date:	16-Dec-2010 02:52:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	23
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

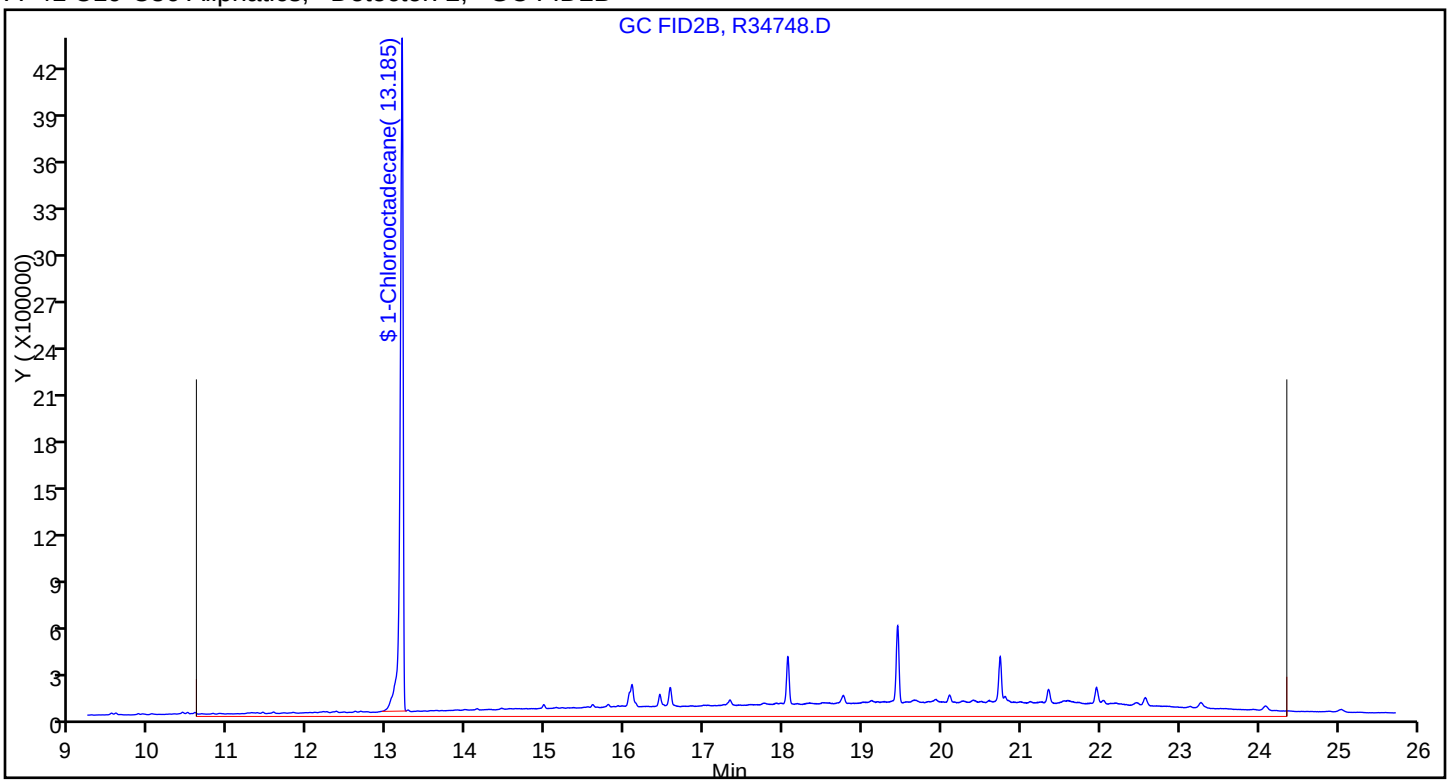


Report Date: 16-Dec-2010 11:20:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34748.D

Injection Date:	16-Dec-2010 02:52:10	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-DUP	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	23
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX | Lab Sample ID: 360-31465-13

Matrix: Solid | Lab File ID: R34750.D

Analysis Method: MA-EPH | Date Collected: 12/10/2010 09:00

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.56(g) | Date Analyzed: 12/16/2010 03:26

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	17		5.4	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	63		40-140
321-60-8	2-Fluorobiphenyl	90		40-140
580-13-2	2-Bromonaphthalene	89		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34750.D		
Lims ID:	360-31465-A-13-G	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	16-Dec-2010 03:26:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-13-G		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	48
Lims Batch ID:	67211	Lims Sample ID:	24
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		
First Level Reviewer: sadowskis		Date:	16-Dec-2010 11:21:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	9777300	44.8	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	6555581	44.7	
$ 3 o-Terphenyl						
1	10.311	10.308	0.003	15875784	63.2	
$ 4 1-Chlorooctadecane						
2	13.184	13.180	0.004	10702623	72.3	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		36041280	159.0	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		53940587	268.9	
S 42 C11-C22 Aromatics (Adjusted)						
1					159.0	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					427.9	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

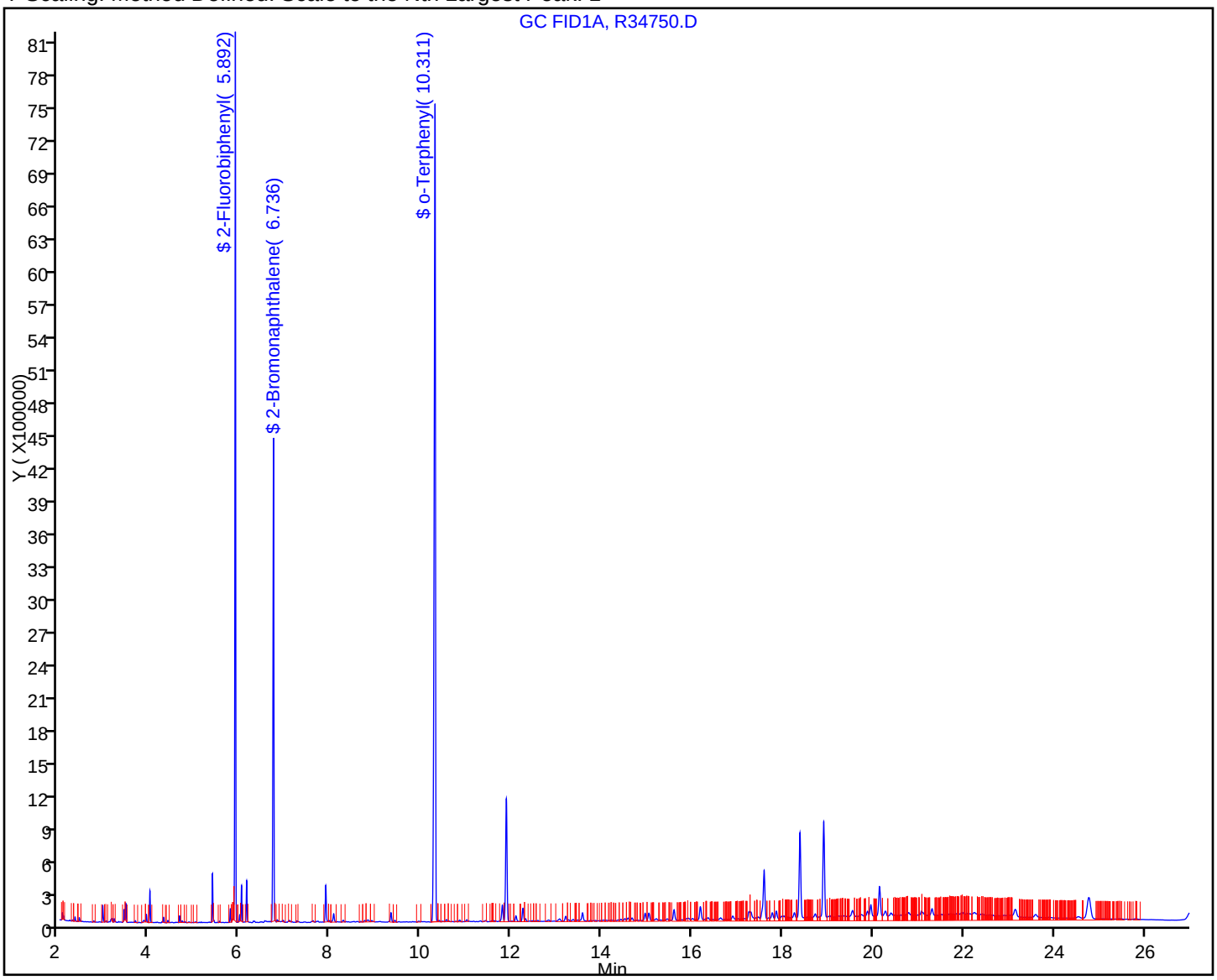
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:21:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34750.D

Injection Date:	16-Dec-2010 03:26:13	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	24
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

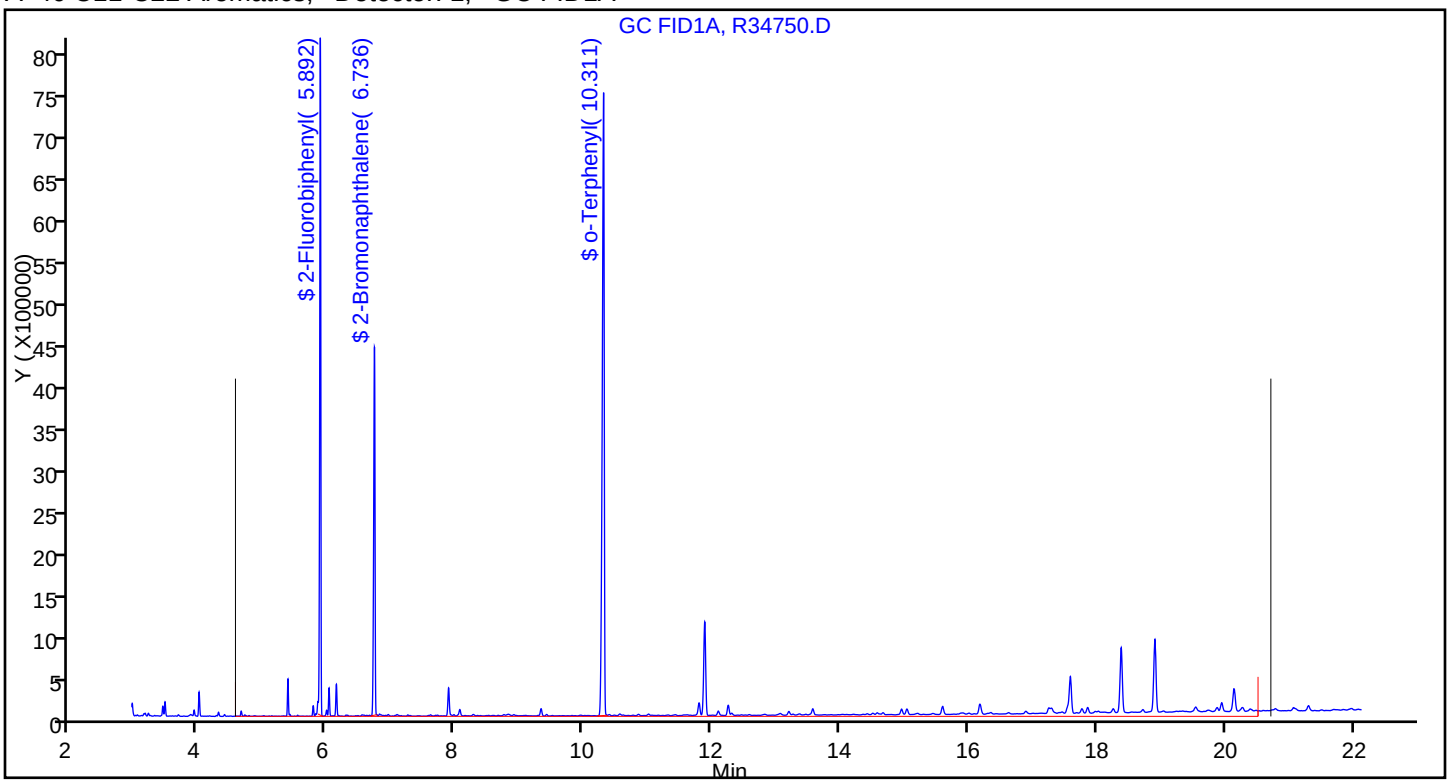


Report Date: 16-Dec-2010 11:21:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34750.D

Injection Date:	16-Dec-2010 03:26:13	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	24
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX Lab Sample ID: 360-31465-13

Matrix: Solid Lab File ID: R34750.D

Analysis Method: MA-EPH Date Collected: 12/10/2010 09:00

Extraction Method: 3546 Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.56(g) Date Analyzed: 12/16/2010 03:26

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	17		5.4	5.4
STL00087	C19-C36 Aliphatics	29		5.4	5.4
STL00306	C9-C18 Aliphatics	ND		5.4	5.4
STL00362	Total EPH	46		5.4	5.4

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\20101215-4367.b\R34750.D		
Lims ID:	360-31465-A-13-G	Client ID:	OC-SD-SD-SD2-XXX
Inject. Date:	16-Dec-2010 03:26:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-31465-A-13-G		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	48
Lims Batch ID:	67211	Lims Sample ID:	24
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:21:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	9777300	44.8	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	6555581	44.7	
$ 3 o-Terphenyl						
1	10.311	10.308	0.003	15875784	63.2	
$ 4 1-Chlorooctadecane						
2	13.184	13.180	0.004	10702623	72.3	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		36041280	159.0	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		53940587	268.9	
S 42 C11-C22 Aromatics (Adjusted)						
1					159.0	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					427.9	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

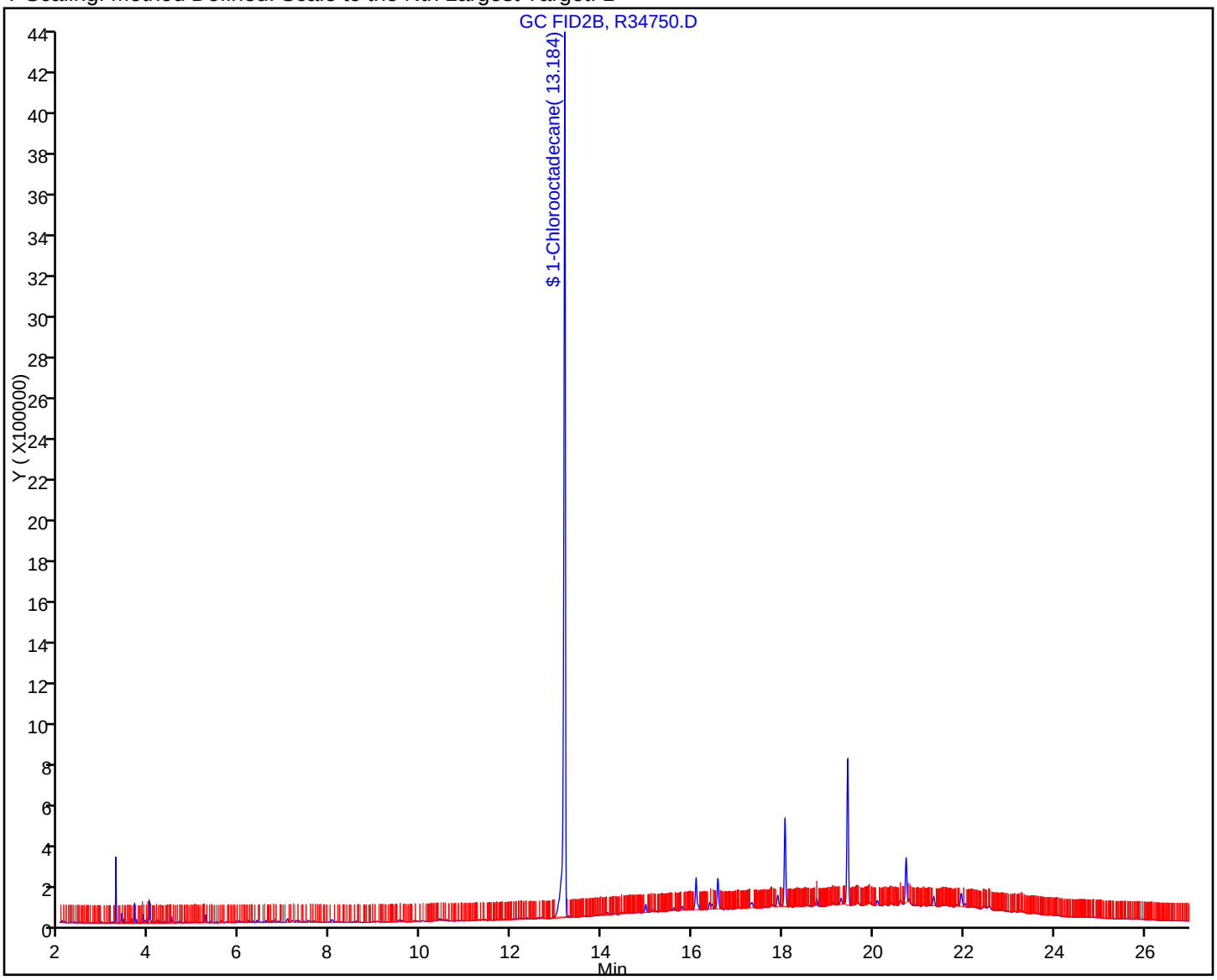
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:21:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34750.D

Injection Date:	16-Dec-2010 03:26:13	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	24
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

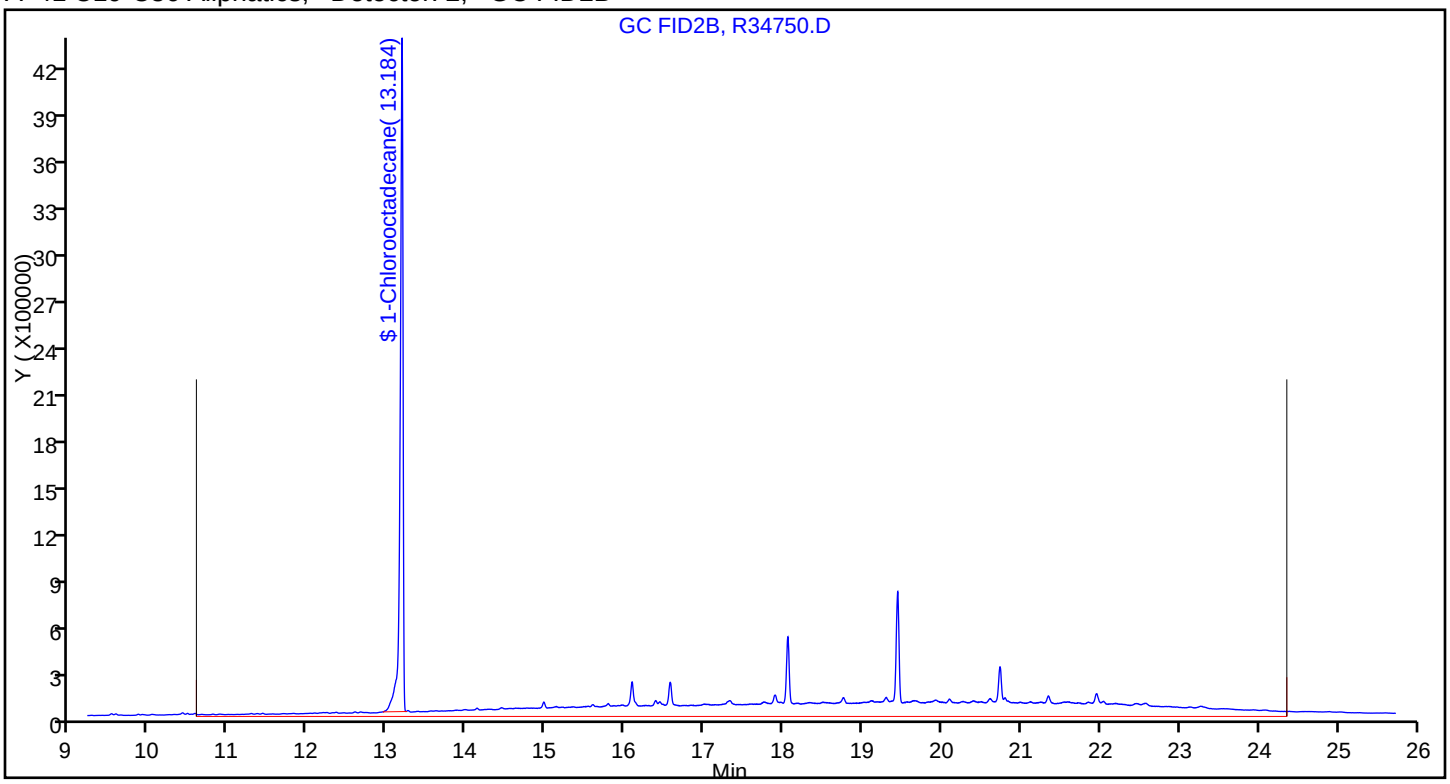


Report Date: 16-Dec-2010 11:21:21 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34750.D

Injection Date:	16-Dec-2010 03:26:13	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-XXX	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	24
Operator ID:	SS	Injection Vol:	1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-66573/2	R34542.D
Level 2	STD05 360-66573/3	R34544.D
Level 3	STD1 360-66573/4	R34546.D
Level 4	STD5 360-66573/5	R34548.D
Level 5	STD10 360-66573/6	R34550.D
Level 6	STD25 360-66573/7	R34552.D
Level 7	STD50 360-66573/1	R34538.D
Level 8	STD100 360-66573/8	R34554.D
Level 9	STD200 360-66573/9	R34556.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	4.654	4.654	4.654	4.654	4.655	4.657	4.661	4.669	4.678		4.561 - 4.761	4.660
2-Methylnaphthalene	5.413	5.413	5.413	5.414	5.415	5.419	5.421	5.430	5.442		5.321 - 5.521	5.420
Acenaphthylene	6.532	6.533	6.534	6.535	6.535	6.542	6.546	6.559	6.573		6.446 - 6.646	6.543
Acenaphthene	6.804	6.805	6.806	6.808	6.809	6.815	6.822	6.838	6.857		6.722 - 6.922	6.818
Fluorene	7.601	7.602	7.603	7.605	7.605	7.613	7.620	7.636	7.655		7.520 - 7.720	7.616
Phenanthrene	9.324	9.323	9.325	9.326	9.328	9.339	9.347	9.368	9.391		9.247 - 9.447	9.341
Anthracene	9.409	9.408	9.409	9.412	9.414	9.427	9.436	9.460	9.489		9.336 - 9.536	9.429
Fluoranthene	11.783	11.787	11.786	11.789	11.791	11.805	11.817	11.838	11.867		11.717 - 11.917	11.807
Pyrene	12.240	12.240	12.240	12.244	12.246	12.262	12.274	12.299	12.329		12.174 - 12.374	12.264
C11-C22 Aromatics (unadjusted)				12.609	12.609	12.609	12.797	12.609	12.609		4.561 - 20.707	12.640
Benzo[a]anthracene	14.945	14.944	14.947	14.950	14.953	14.967	14.977	15.002	15.035		14.877 - 15.077	14.969
Chrysene	15.029	15.028	15.030	15.034	15.039	15.059	15.074	15.106	15.147		14.974 - 15.174	15.061
Benzo[b]fluoranthene	17.235	17.242	17.240	17.245	17.255	17.272	17.283	17.314	17.347		17.183 - 17.383	17.270
Benzo[k]fluoranthene	17.289	17.289	17.289	17.295	17.301	17.329	17.346	17.387	17.440		17.246 - 17.446	17.329
Benzo[a]pyrene	17.846	17.846	17.850	17.852	17.860	17.884	17.900	17.935	17.985		17.800 - 18.000	17.884
Indeno[1,2,3-cd]pyrene	19.864	19.860	19.864	19.869	19.878	19.903	19.924	19.989	20.047		19.824 - 20.024	19.911
Dibenz(a,h)anthracene	19.934	19.935	19.939	19.942	19.947	19.973	19.994	20.040	20.102		19.894 - 20.094	19.978
Benzo[g,h,i]perylene	20.264	20.265	20.265	20.274	20.283	20.315	20.341	20.392	20.463		20.241 - 20.441	20.318
2-Fluorobiphenyl	5.879	5.879	5.880	5.881	5.881	5.885	5.887	5.896	5.906		5.787 - 5.987	5.886
2-Bromonaphthalene	6.718	6.719	6.719	6.721	6.721	6.726	6.731	6.744	6.758		6.631 - 6.831	6.729
o-Terphenyl	10.273	10.274	10.277	10.277	10.279	10.286	10.294	10.308	10.330		10.194 - 10.394	10.289

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-66573/2	R34542.D
Level 2	STD05 360-66573/3	R34544.D
Level 3	STD1 360-66573/4	R34546.D
Level 4	STD5 360-66573/5	R34548.D
Level 5	STD10 360-66573/6	R34550.D
Level 6	STD25 360-66573/7	R34552.D
Level 7	STD50 360-66573/1	R34538.D
Level 8	STD100 360-66573/8	R34554.D
Level 9	STD200 360-66573/9	R34556.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	279900 240452 234783	287938 285170	237792 247527	249211 248655	Ave		256825.296				8.3		25.0			
2-Methylnaphthalene	269440 234152 227389	280018 275861	232286 240126	242750 240463	Ave		249164.913				8.1		25.0			
Acenaphthylene	258100 230165 221878	277210 270404	227434 235926	238981 235242	Ave		243926.562				8.1		25.0			
Acenaphthene	253570 236638 226039	284782 277545	235095 240967	245130 239486	Ave		248805.779				8.0		25.0			
Fluorene	355670 227593 219356	292750 268092	225058 232791	238259 232029	Lin1	18185.8696	227595.767							0.9970		0.9900
Phenanthrene	236710 222736 215036	286592 264262	220646 223360	236457 228689	Ave		237165.557				9.9		25.0			
Anthracene	266670 216970 206516	272942 259591	218247 218874	229008 221452	Ave		234474.509				11.0		25.0			
Fluoranthene	257660 216293 204869	267594 261650	214586 216661	229907 216392	Ave		231734.750				10.0		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 EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10398

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	296910 219650 207192	267190 266480	221315 219774	236457 219639	Ave		239400.799				13.0		25.0			
C11-C22 Aromatics (unadjusted)	219714 203378	260662	216101	243076 217050	Ave		226663.483				9.3		25.0			
Benzo[a]anthracene	440740 182784 171234	281982 223715	187432 179260	202896 179490	Lin1	33529.2522	177897.578							0.9950		0.9900
Chrysene	291690 205150 192628	266752 253918	216041 203378	226925 203404	Lin1	18640.8454	201173.921							0.9940		0.9900
Benzo[b]fluoranthene	419110 194724 164824	283880 242212	207733 195249	210110 199153	Qua	-35649.286	226644.551	-306.95906						0.9990		0.9900
Benzo[k]fluoranthene	317660 194102 201660	285124 240494	220252 189045	222101 188177	Lin1	20092.4461	198875.426							0.9960		0.9900
Benzo[a]pyrene	266410 197330 191406	261480 245268	214334 195823	217588 198369	Ave		220889.837				13.0		25.0			
Indeno[1,2,3-cd]pyrene	283240 194555 199690	251128 243901	210029 201912	207641 206213	Ave		222034.311				14.0		25.0			
Dibenz(a,h)anthracene	266510 184788 177611	233168 222133	200297 175760	198779 165574	Lin1	17077.9071	177355.891							0.9950		0.9900
Benzo[g,h,i]perylene	240970 192620 200934	239128 235850	209049 192570	204710 198594	Ave		212713.989				9.5		25.0			
2-Fluorobiphenyl	241880 203513 201108	243092 239127	200591 209194	210356 213185	Ave		218005.036				8.3		25.0			
2-Bromonaphthalene	158110 139184 135446	164192 162221	134967 140998	144113 140316	Ave		146616.274				7.9		25.0			
o-Terphenyl	293130 235075 218022	286280 278535	233426 235770	248139 233942	Ave		251368.811				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.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-66573/2	R34542.D
Level 2	STD05 360-66573/3	R34544.D
Level 3	STD1 360-66573/4	R34546.D
Level 4	STD5 360-66573/5	R34548.D
Level 5	STD10 360-66573/6	R34550.D
Level 6	STD25 360-66573/7	R34552.D
Level 7	STD50 360-66573/1	R34538.D
Level 8	STD100 360-66573/8	R34554.D
Level 9	STD200 360-66573/9	R34556.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	27990 7129251	143969 12376325	237792 24865482	1246055 46956660	2404520	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Methylnaphthalene	Ave	26944 6896520	140009 12006308	232286 24046260	1213750 45477711	2341521	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthylene	Ave	25810 6760094	138605 11796304	227434 23524150	1194903 44375683	2301647	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthene	Ave	25357 6938627	142391 12048343	235095 23948587	1225651 45207800	2366380	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluorene	Lin1	35567 6702297	146375 11639559	225058 23202915	1191293 43871179	2275932	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Phenanthrene	Ave	23671 6606559	143296 11168019	220646 22868945	1182287 43007244	2227362	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Anthracene	Ave	26667 6489778	136471 10943691	218247 22145220	1145042 41303268	2169697	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluoranthene	Ave	25766 6541258	133797 10833057	214586 21639183	1149535 40973832	2162933	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Pyrene	Ave	29691 6662001	133595 10988703	221315 21963931	1182284 41438357	2196502	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C11-C22 Aromatics (unadjusted)	Ave	 110781354	 183685583	 368984967	20661493 691484173	37351403	 425	 850	 1700	85.0 3400	170
Benzo[a]anthracene	Lin1	44074 5592869	140991 8963007	187432 17949022	1014478 34246747	1827835	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Chrysene	Lin1	29169 6347952	133376 10168923	216041 20340368	1134627 38525515	2051504	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[b]fluoranthene	Qua	41911 6055310	141940 9762444	207733 19915254	1050549 32964830	1947235	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[k]fluoranthene	Lin1	31766 6012358	142562 9452254	220252 18817650	1110504 40332081	1941022	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.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10398

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	Ave	26641 6131700	130740 9791174	214334 19836854	1087939 38281262	1973304	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Indeno[1,2,3-cd]pyrene	Ave	28324 6097517	125564 10095607	210029 20621327	1038205 39938022	1945546	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Dibenz(a,h)anthracene	Lin1	26651 5553327	116584 8787996	200297 16557386	993895 35522253	1847879	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[g,h,i]perylene	Ave	24097 5896258	119564 9628511	209049 19859357	1023552 40186898	1926199	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Fluorobiphenyl	Ave	24188 5978164	121546 10459722	200591 21318473	1051779 40221598	2035128	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Bromonaphthalene	Ave	15811 4055516	82096 7049882	134967 14031564	720567 27089169	1391843	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
o-Terphenyl	Ave	29313 6963377	143140 11788500	233426 23394241	1240694 43604422	2350749	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
Qua = Quadratic

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Lims ID:	std50	Client ID:	
Inject. Date:	29-Nov-2010 16:31:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	66573	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						A
1	5.887	5.887	0.000	10459722	48.0	A
$ 2 2-Bromonaphthalene						A
1	6.731	6.731	0.000	7049882	48.1	A
$ 3 o-Terphenyl						A
1	10.294	10.294	0.000	11788500	46.9	A
$ 4 1-Chlorooctadecane						
2	13.175	13.175	0.000	7723046	52.1	
5 n-Nonane						
2	2.931	2.931	0.000	9404998	47.2	
6 n-Decane						
2	3.710	3.710	0.000	9500637	47.7	
7 Naphthalene						
1	4.661	4.661	0.000	12376325	48.2	
9 Dodecane						
2	5.240	5.240	0.000	9549379	48.3	
8 2-Methylnaphthalene						A
1	5.421	5.421	0.000	12006308	48.2	A
11 Acenaphthylene						A
1	6.546	6.546	0.000	11796304	48.4	A
15 n-Tetradecane						
2	6.771	6.771	0.000	9308003	45.3	
12 Acenaphthene						A
1	6.822	6.822	0.000	12048343	48.4	A
14 Fluorene						A
1	7.620	7.620	0.000	11639559	51.1	A

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.566	8.566	0.000	9288130	49.0	
16 Phenanthrene						A
1	9.347	9.347	0.000	11168019	47.1	A
17 Anthracene						A
1	9.436	9.436	0.000	10943691	46.7	A
20 n-Octadecane						
2	10.483	10.483	0.000	9227899	49.6	
22 C19						
2	11.434	11.434	0.000	9241164	47.0	
19 Fluoranthene						A
1	11.817	11.817	0.000	10833057	46.7	A
21 Pyrene						A
1	12.274	12.274	0.000	10988703	45.9	A
23 icosane						
2	12.363	12.363	0.000	8139604	43.4	
27 n-Docosane						
2	14.141	14.141	0.000	8027443	48.9	
24 Benzo[a]anthracene						A
1	14.977	14.977	0.000	8963007	50.2	A
25 Chrysene						A
1	15.074	15.074	0.000	10168923	50.5	A
28 n-Tetracosane						
2	15.796	15.796	0.000	8372860	48.4	
29 Benzo[b]fluoranthene						A
1	17.283	17.283	0.000	9762444	46.1	A
32 n-Hexacosane						
2	17.338	17.338	0.000	8571672	48.2	
30 Benzo[k]fluoranthene						A
1	17.346	17.346	0.000	9452254	47.4	A
31 Benzo[a]pyrene						A
1	17.900	17.900	0.000	9791174	44.3	A
35 n-Octacosane						
2	18.771	18.771	0.000	8764062	48.0	
33 Indeno[1,2,3-cd]pyrene						A
1	19.924	19.924	0.000	10095607	45.5	A
34 Dibenz(a,h)anthracene						A
1	19.994	19.994	0.000	8787996	49.5	A
37 Triacontane						
2	20.112	20.112	0.000	9012550	47.8	
36 Benzo[g,h,i]perylene						A
1	20.341	20.341	0.000	9628511	45.3	A
38 n-Hexatriacontane						
2	24.110	24.110	0.000	8508368	47.4	
A 39 C9-C18 Aliphatics						
2	6.704	2.831 - 10.583		62028711	288.5	
A 40 C11-C22 Aromatics						
1	12.797	4.561 - 20.707		183685583	810.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.473	10.583	-24.400	75834746	389.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.0	
2					0	
S 43 Total EPH						
1					773.8	
S 44 EPH Adjustment 1						
1					714.4	

QC Flag Legend

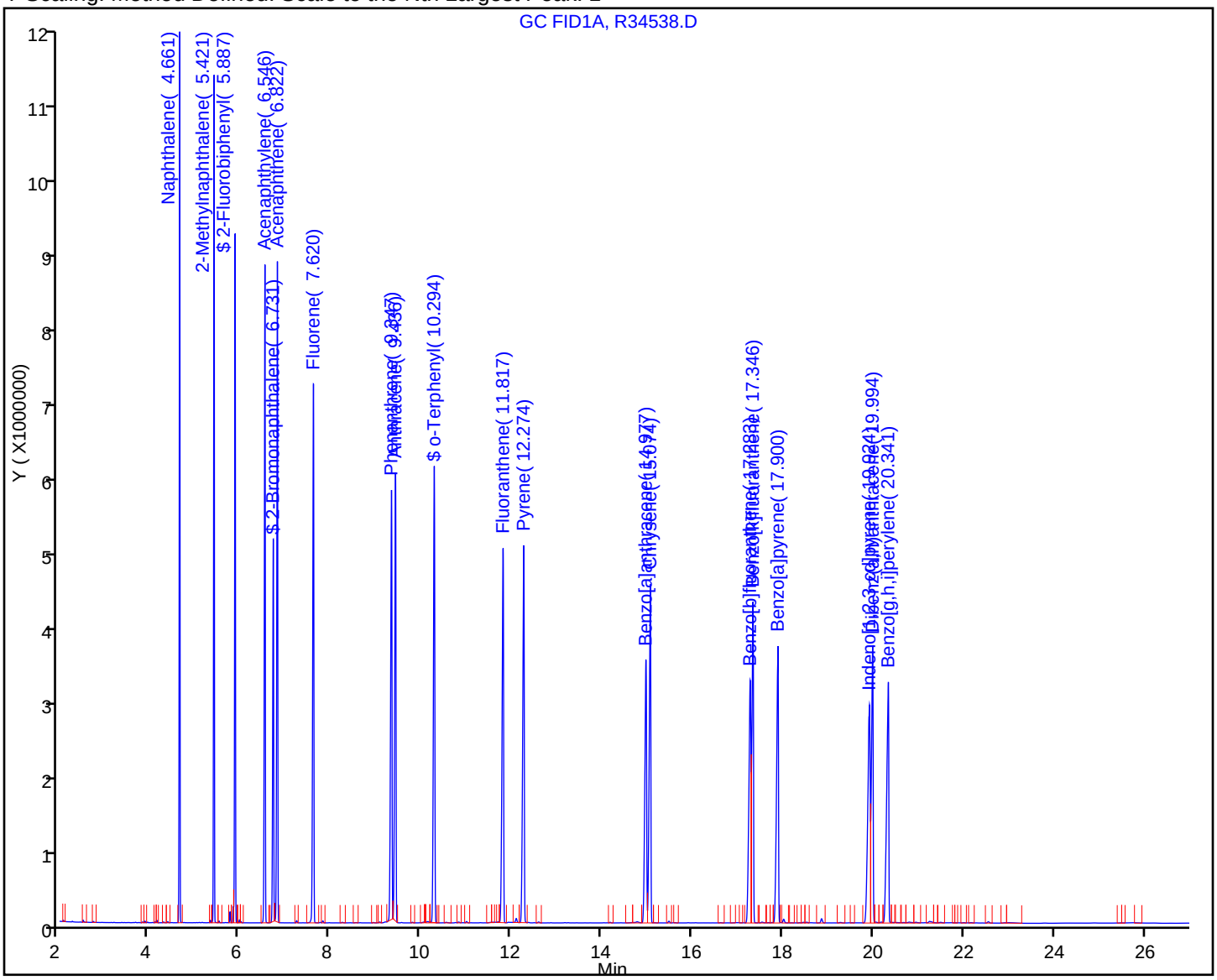
Review Flags
A - User Assigned ID

Report Date: 02-Dec-2010 10:18:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D

Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



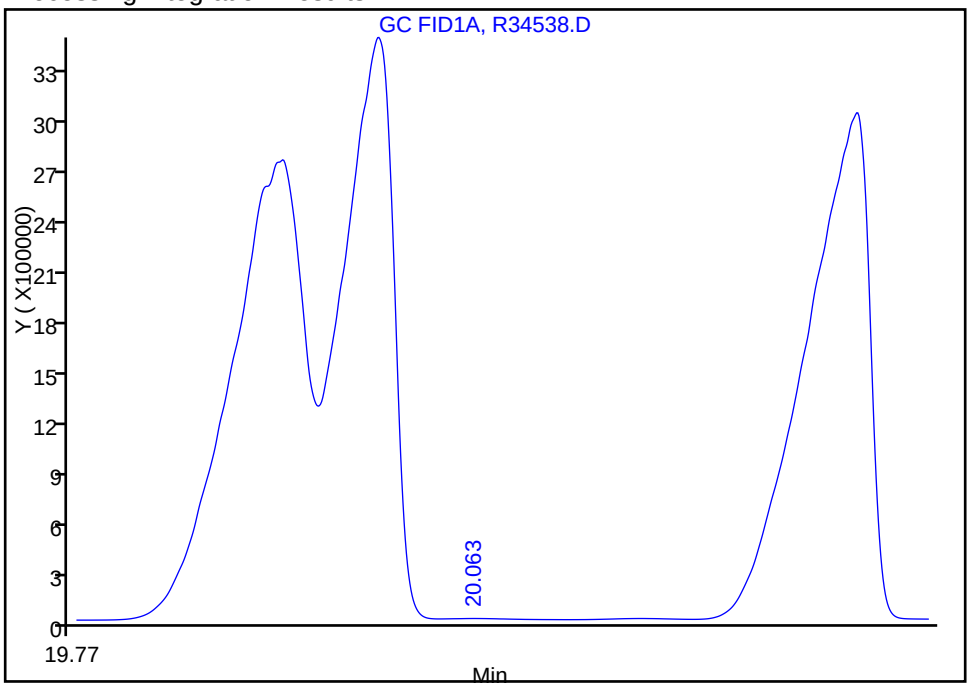
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

33 Indeno[1,2,3-cd]pyrene, Signal: 1, Type: quant, RT: 19.92, Det: GC FID1A

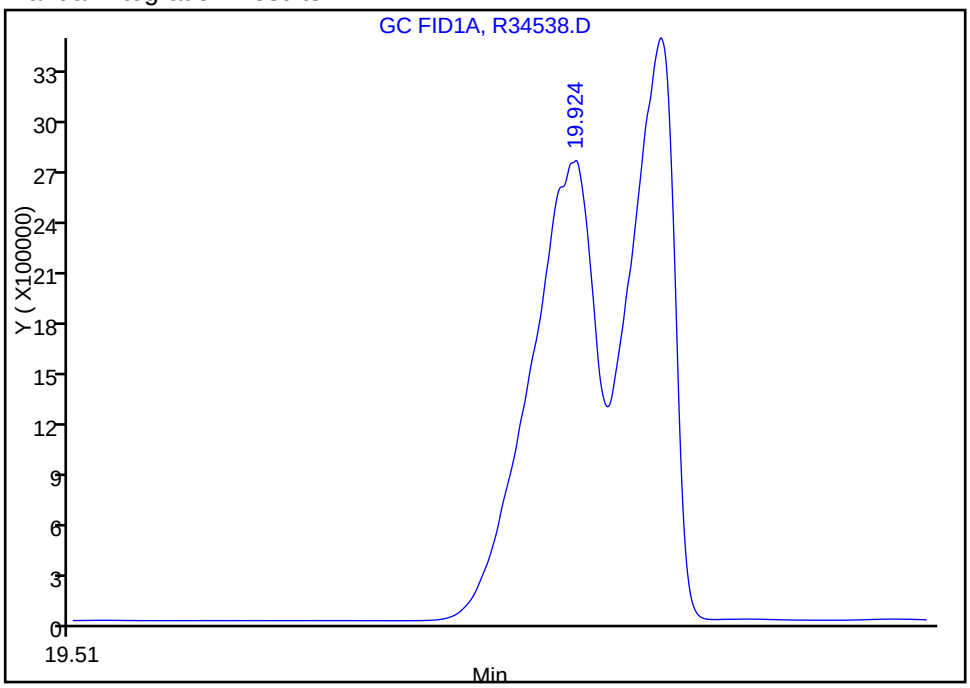
Processing Integration Results

RT: 20.06
Response: 44460
Amount: 50.000000



Manual Integration Results

RT: 19.92
Response: 10095607
Amount: 45.468680



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 02-Dec-2010 10:18:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

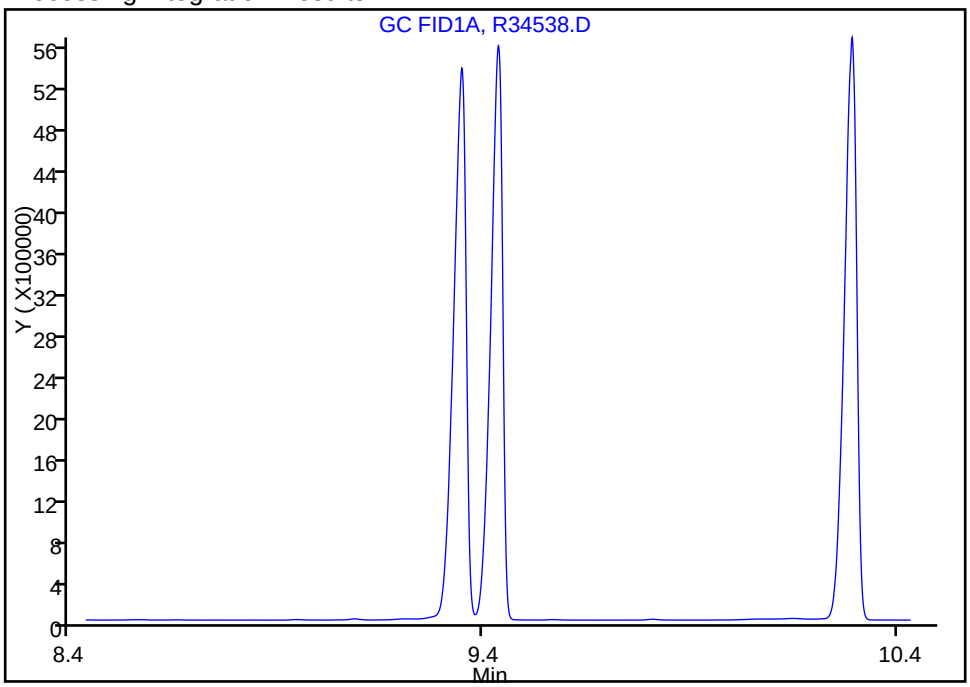
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

17 Anthracene, Signal: 1, Type: quant, RT: 9.44, Det: GC FID1A

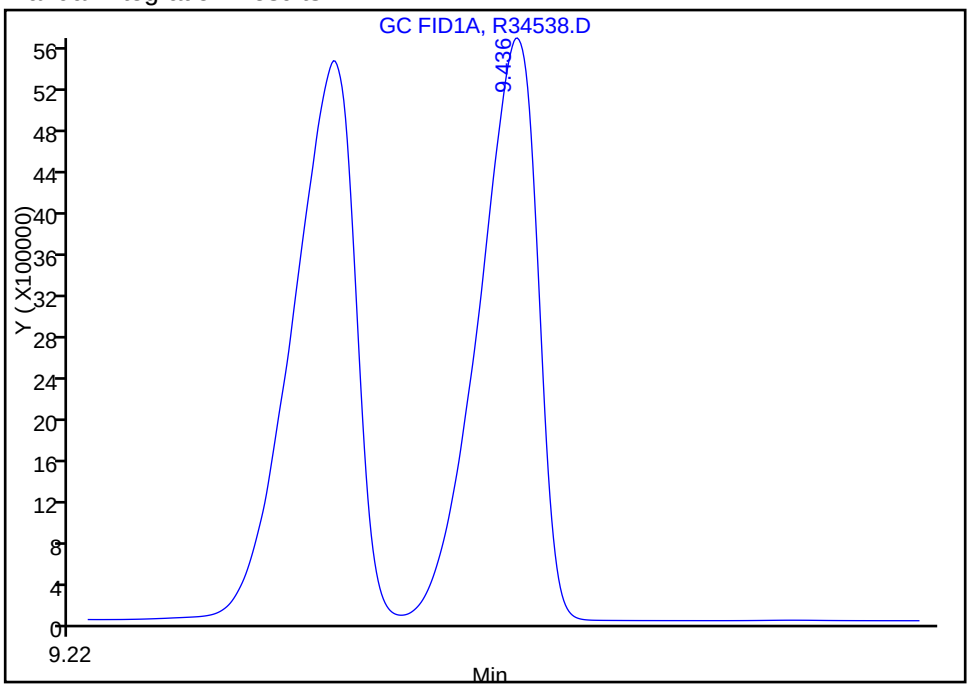
Not Detected
Expected RT: 9.44

Processing Integration Results



Manual Integration Results

RT: 9.44
Response: 10943691
Amount: 46.673265



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

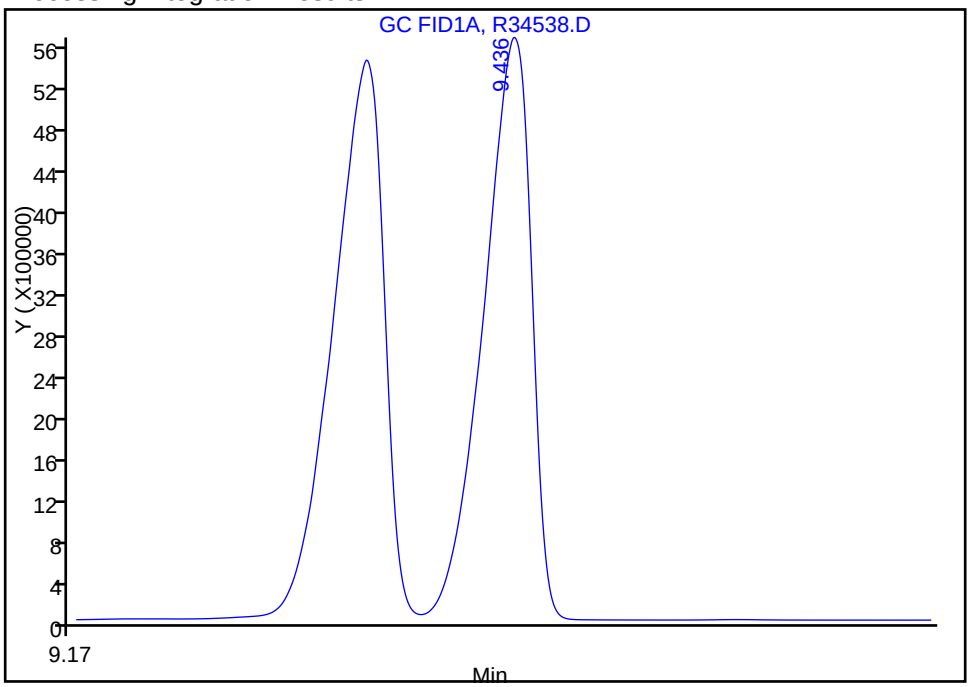
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

16 Phenanthrene, Signal: 1, Type: quant, RT: 9.35, Det: GC FID1A

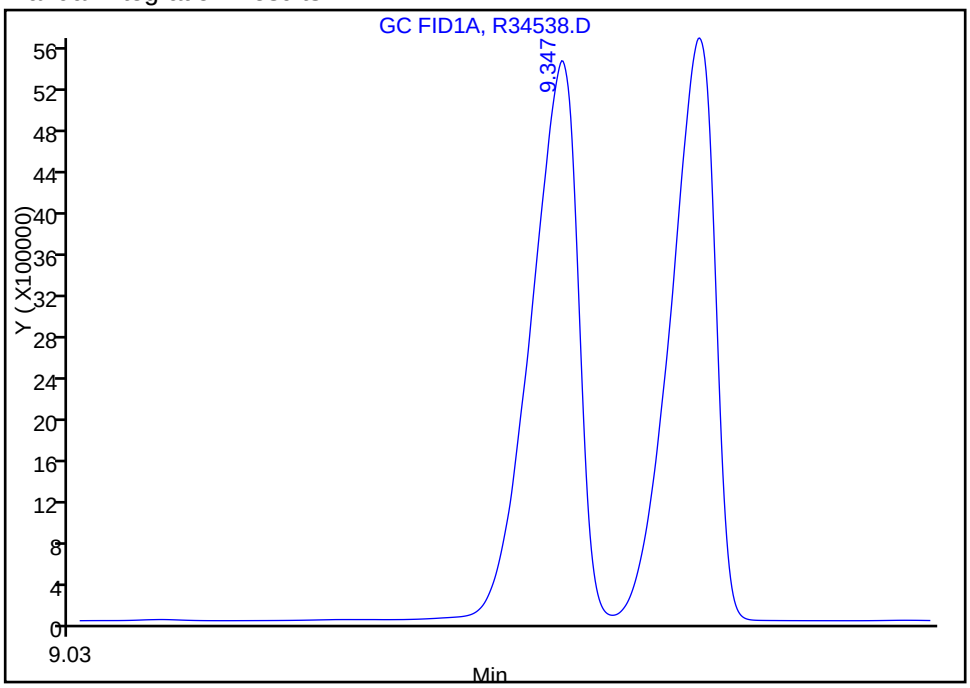
Processing Integration Results

RT: 9.44
Response: 10943691
Amount: 50.000000



Manual Integration Results

RT: 9.35
Response: 11168019
Amount: 47.089549



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

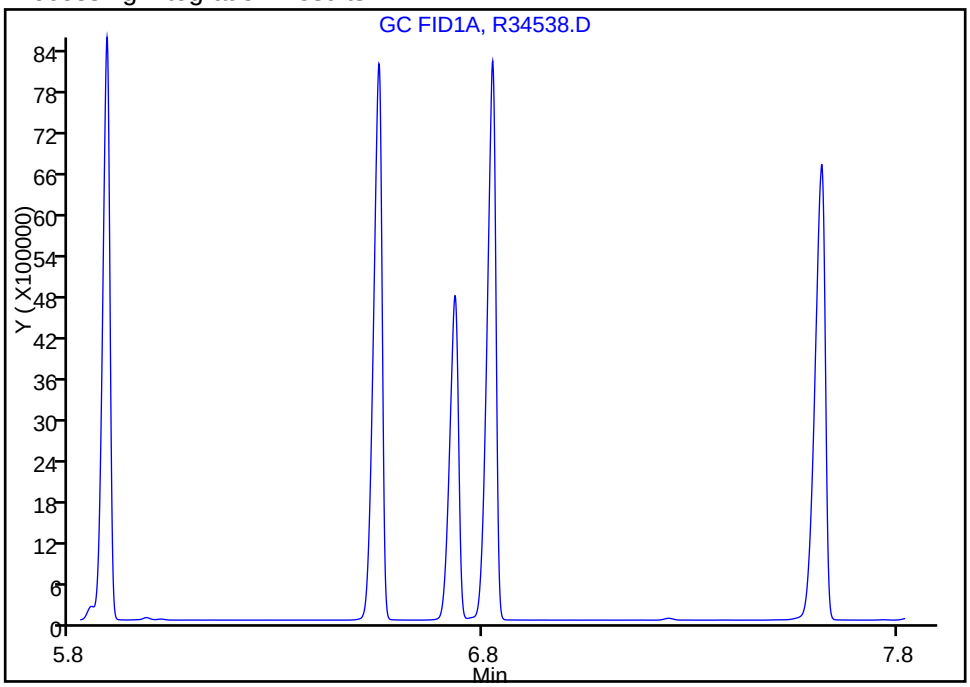
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

12 Acenaphthene, Signal: 1, Type: quant, RT: 6.82, Det: GC FID1A

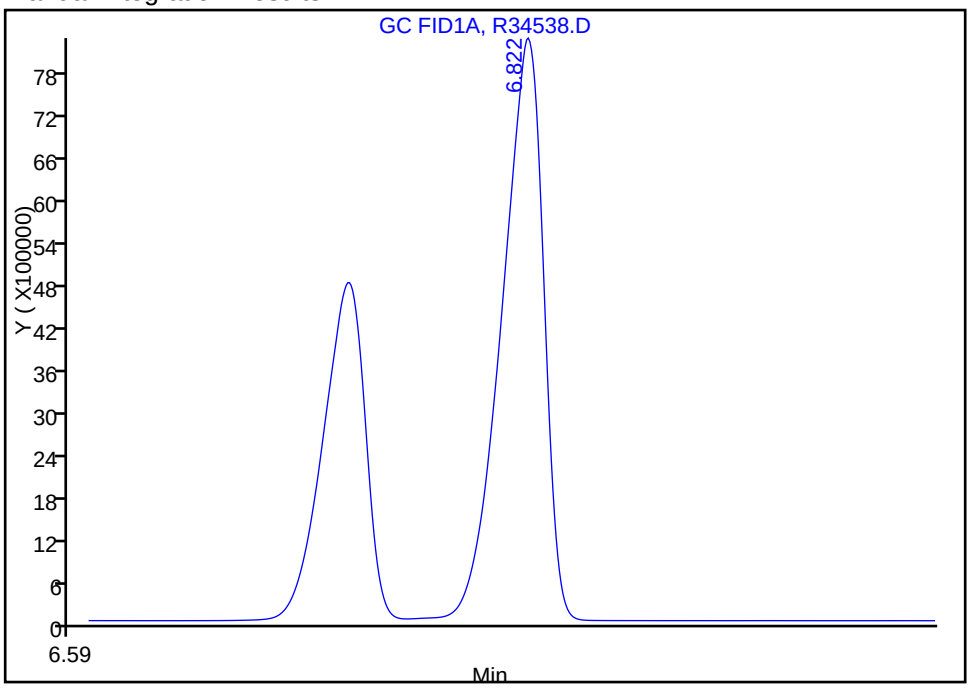
Not Detected
Expected RT: 6.82

Processing Integration Results



Manual Integration Results

RT: 6.82
Response: 12048343
Amount: 48.424691



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

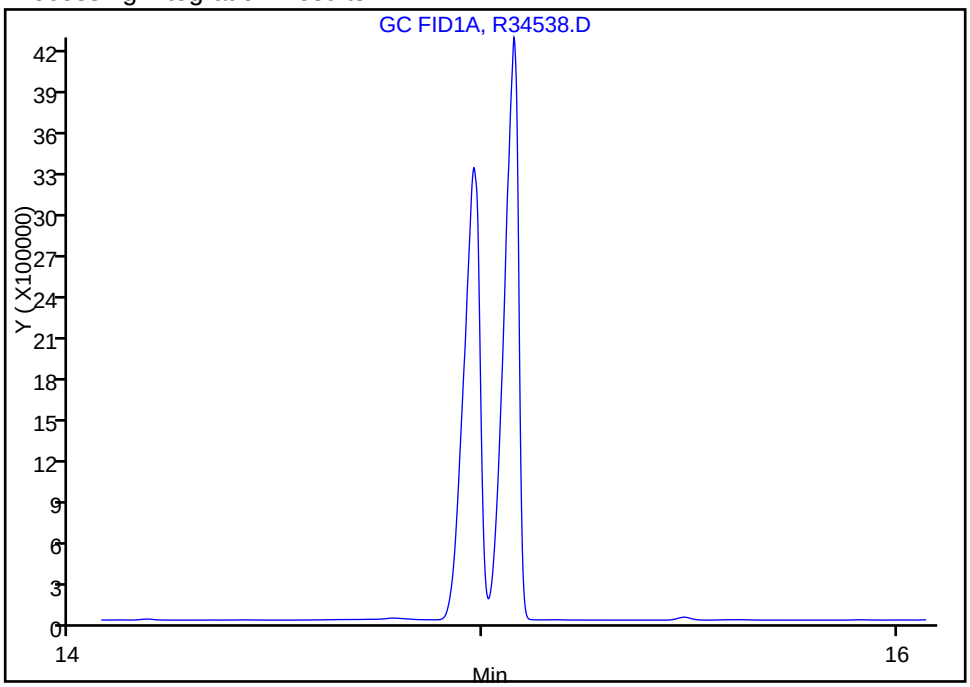
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

25 Chrysene, Signal: 1, Type: quant, RT: 15.07, Det: GC FID1A

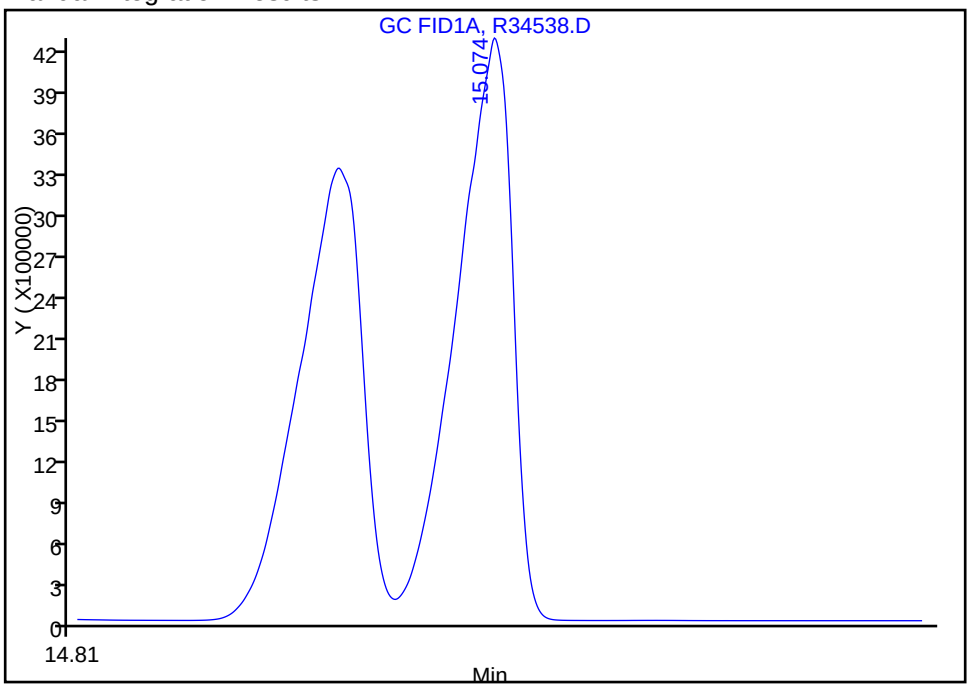
Processing Integration Results

Not Detected
Expected RT: 15.07



Manual Integration Results

RT: 15.07
Response: 10168923
Amount: 50.455258



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

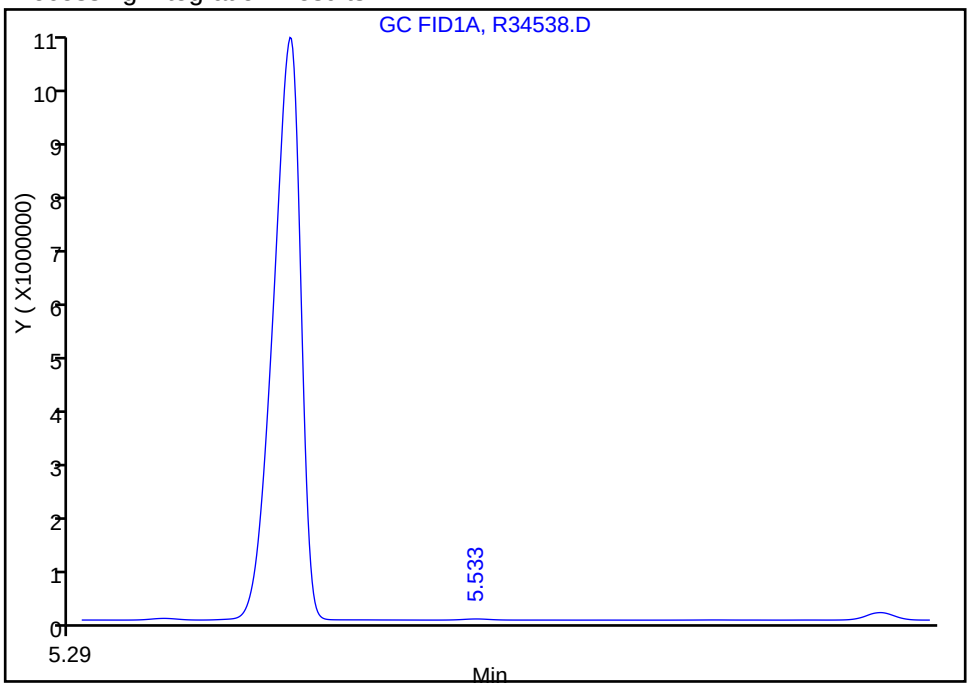
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

8 2-Methylnaphthalene, Signal: 1, Type: quant, RT: 5.42, Det: GC FID1A

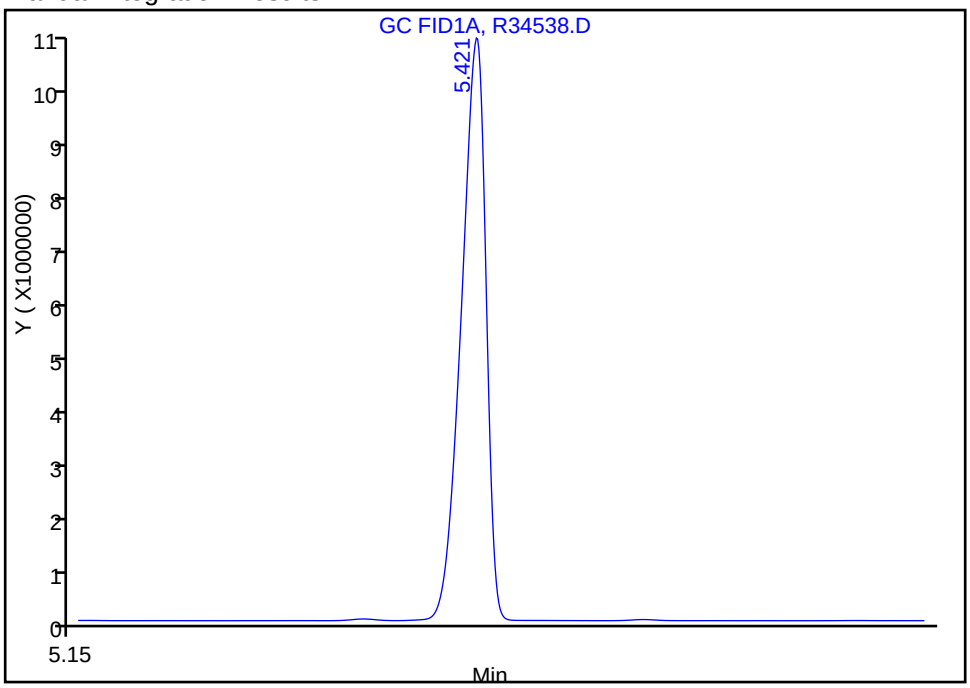
Processing Integration Results

RT: 5.53
Response: 27675
Amount: 50.000000



Manual Integration Results

RT: 5.42
Response: 12006308
Amount: 48.186191



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 02-Dec-2010 10:18:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

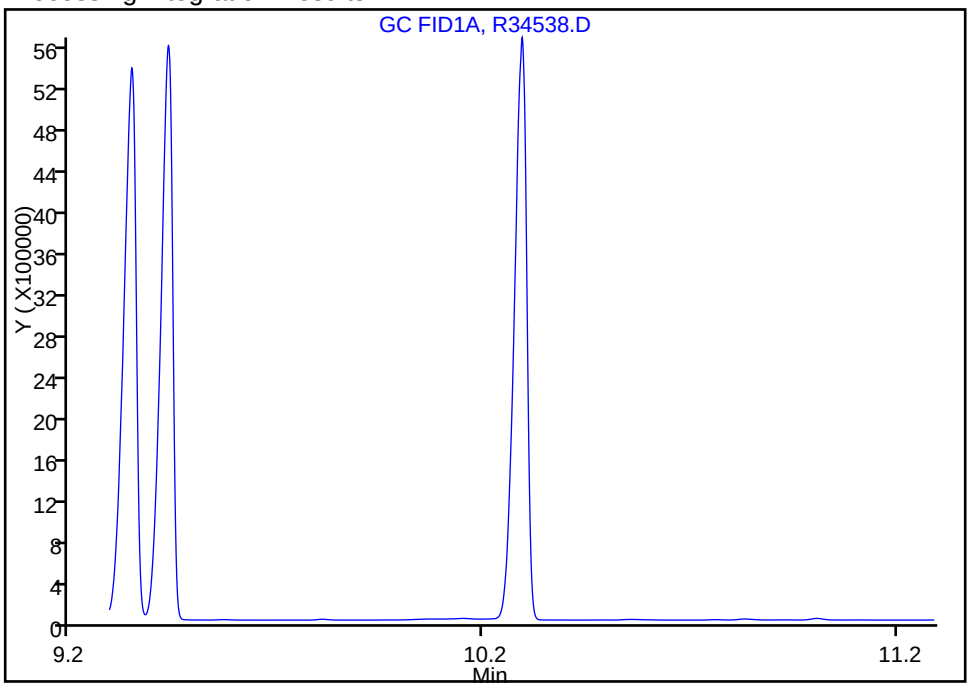
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

$ 3 o-Terphenyl, Signal: 1, Type: quant, RT: 10.29, Det: GC FID1A

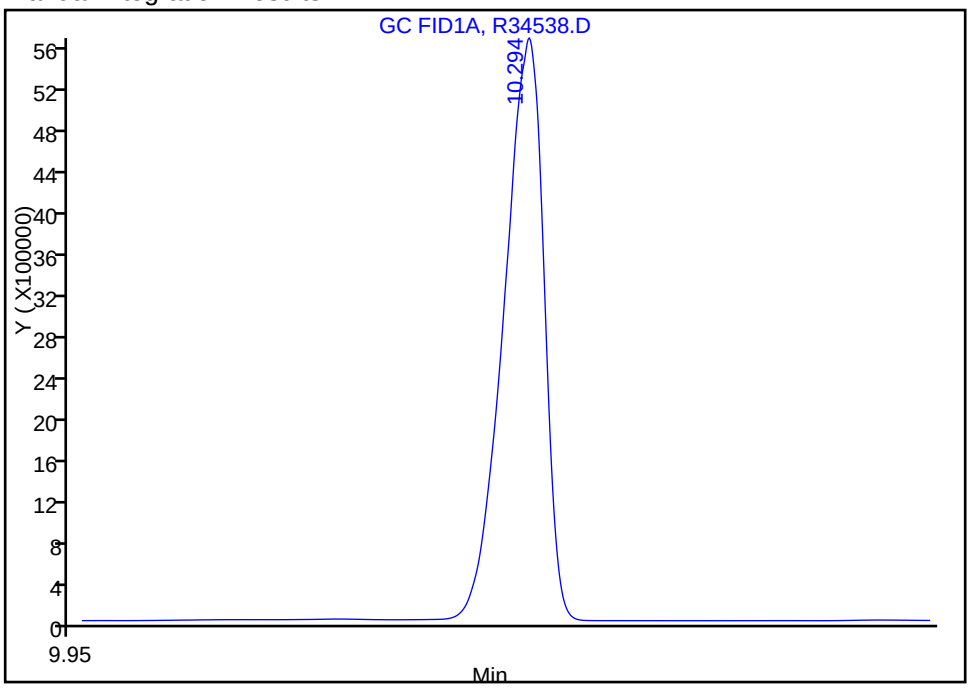
Not Detected
Expected RT: 10.29

Processing Integration Results



Manual Integration Results

RT: 10.29
Response: 11788500
Amount: 46.897226



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

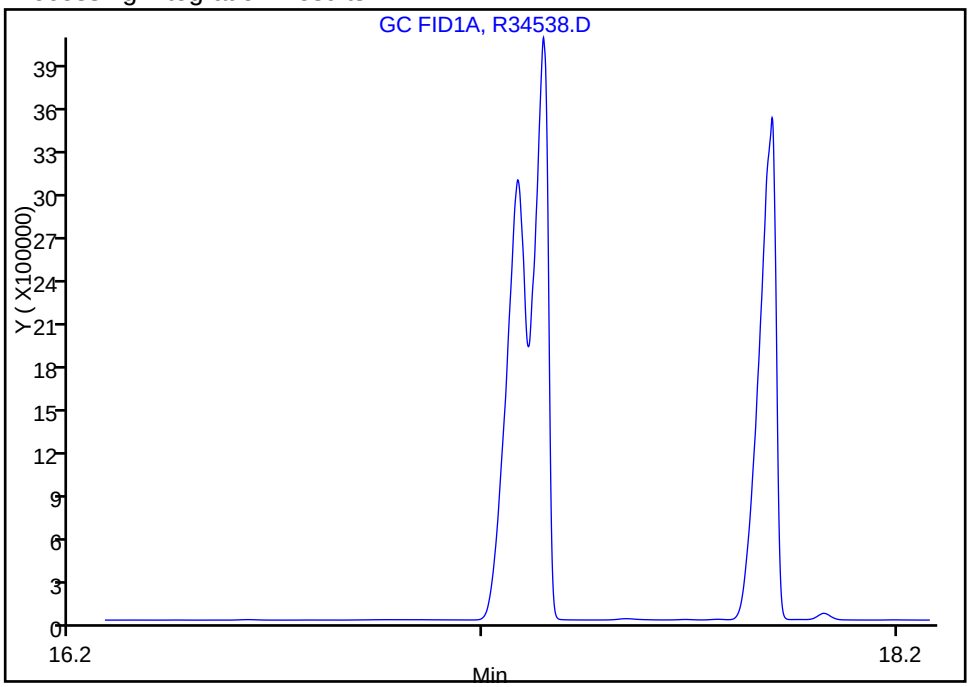
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.28, Det: GC FID1A

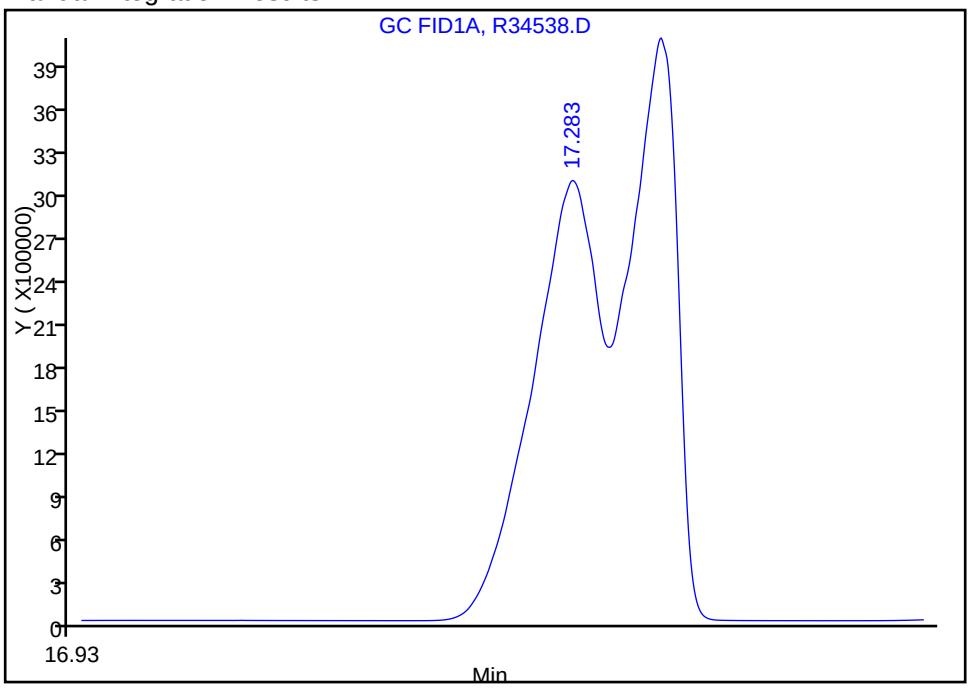
Not Detected
Expected RT: 17.28

Processing Integration Results



Manual Integration Results

RT: 17.28
Response: 9762444
Amount: 46.110749



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

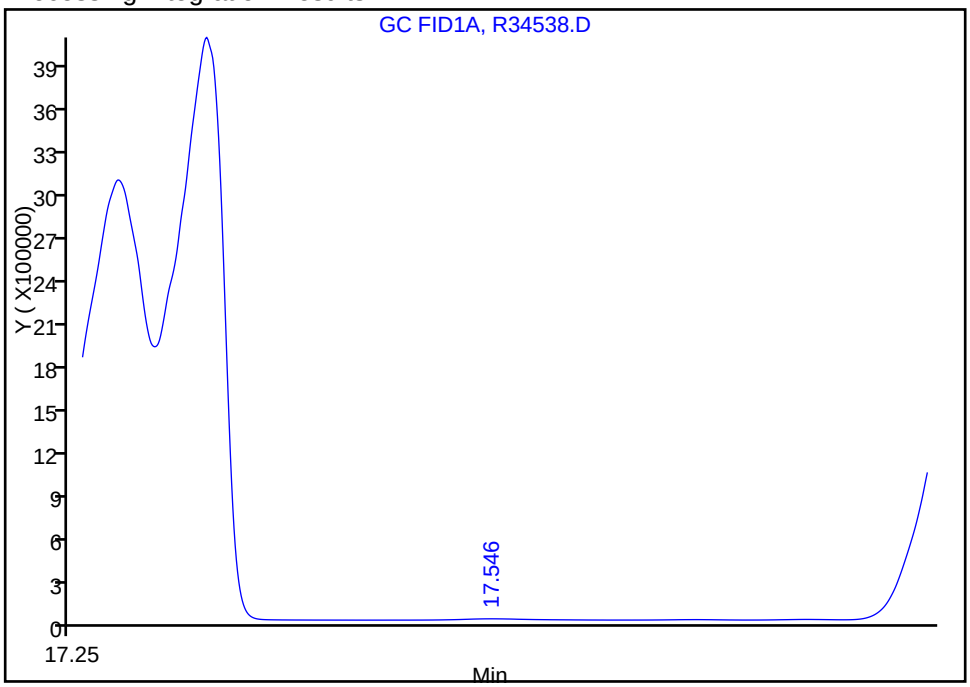
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.35, Det: GC FID1A

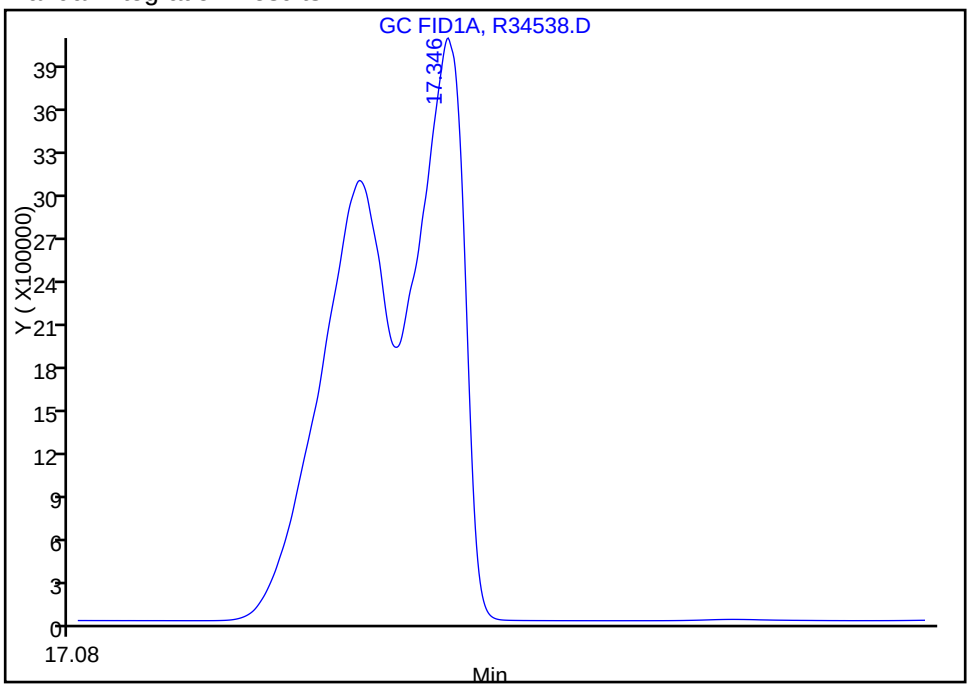
Processing Integration Results

RT: 17.55
Response: 44278
Amount: 50.000000



Manual Integration Results

RT: 17.35
Response: 9452254
Amount: 47.427486



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 02-Dec-2010 10:18:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

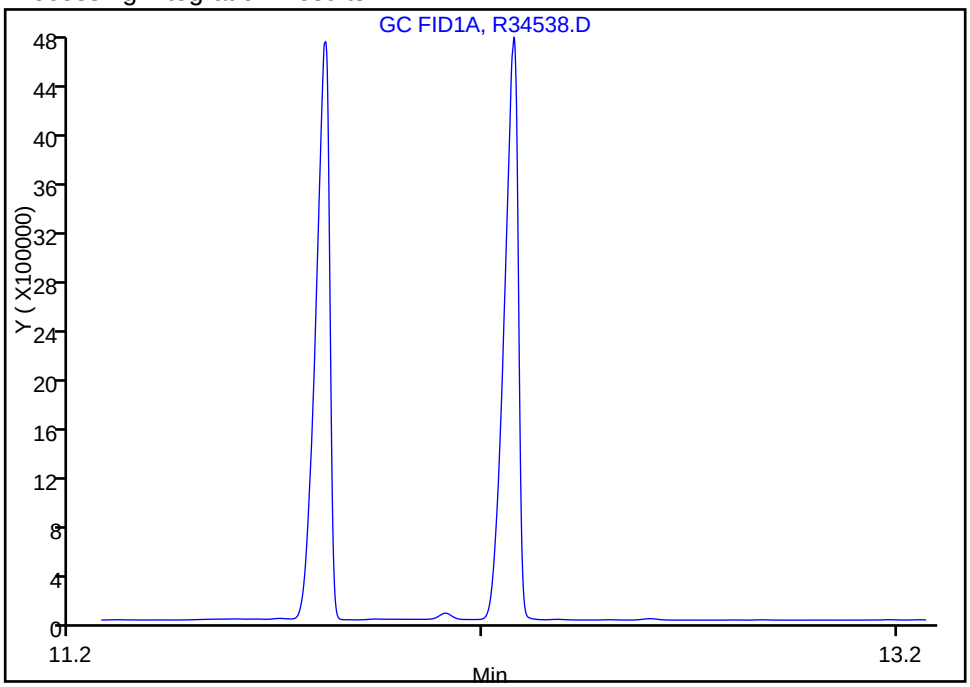
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

21 Pyrene, Signal: 1, Type: quant, RT: 12.27, Det: GC FID1A

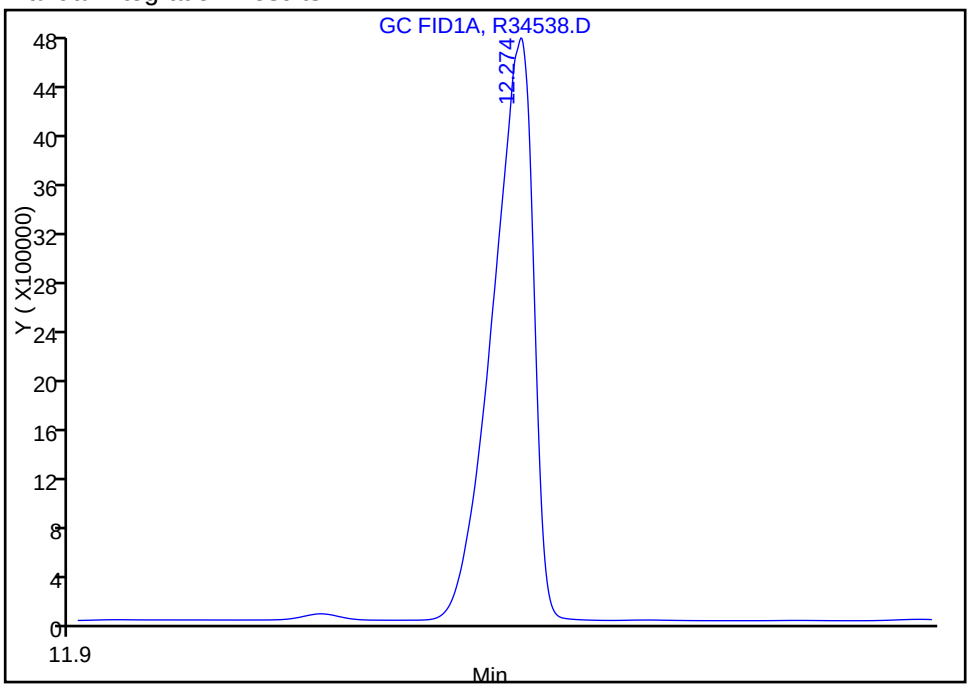
Processing Integration Results

Not Detected
Expected RT: 12.27



Manual Integration Results

RT: 12.27
Response: 10988703
Amount: 45.900862



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

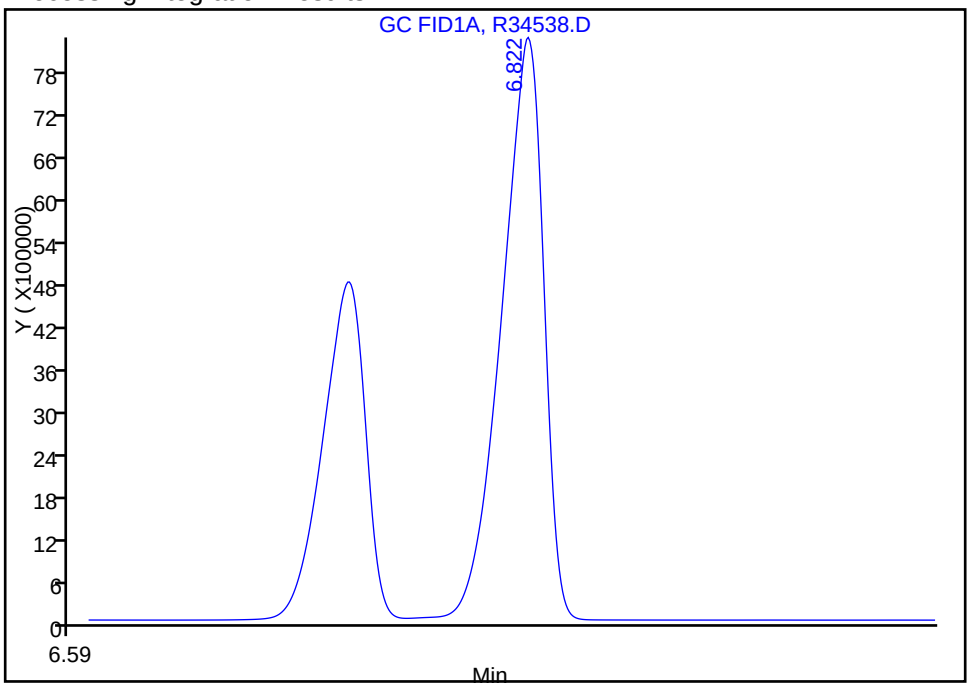
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

$ 2 2-Bromonaphthalene, Signal: 1, Type: quant, RT: 6.73, Det: GC FID1A

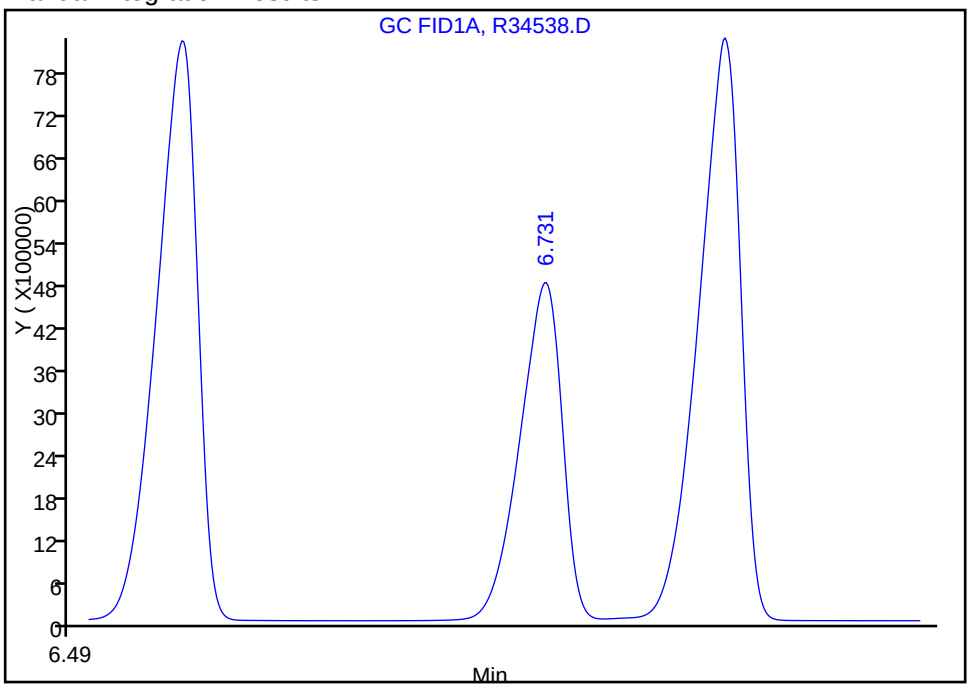
Processing Integration Results

RT: 6.82
Response: 12048343
Amount: 50.000000



Manual Integration Results

RT: 6.73
Response: 7049882
Amount: 48.083898



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

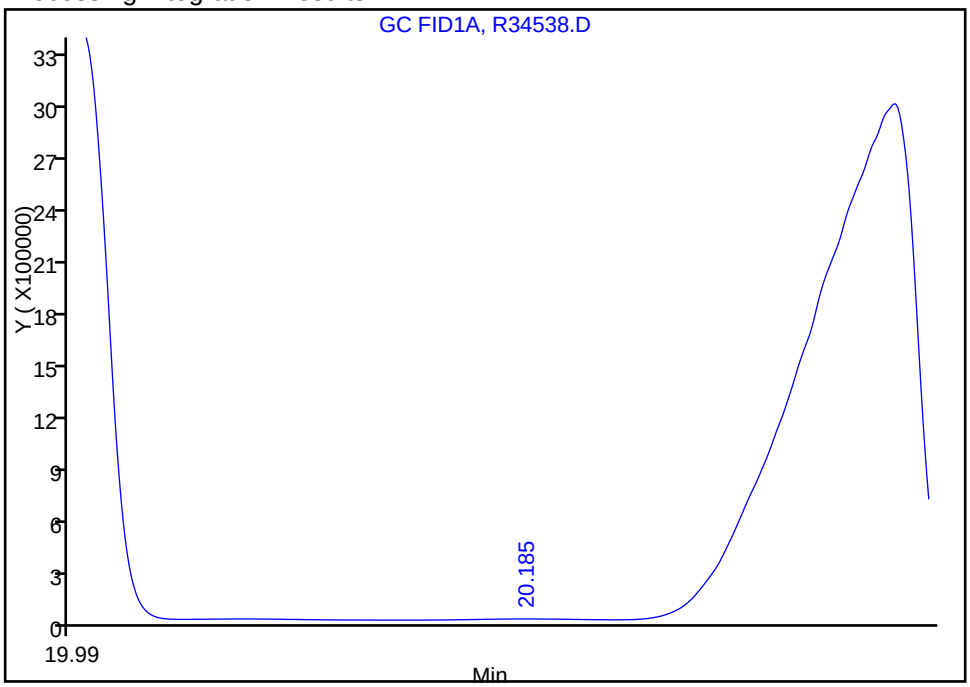
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 19.99, Det: GC FID1A

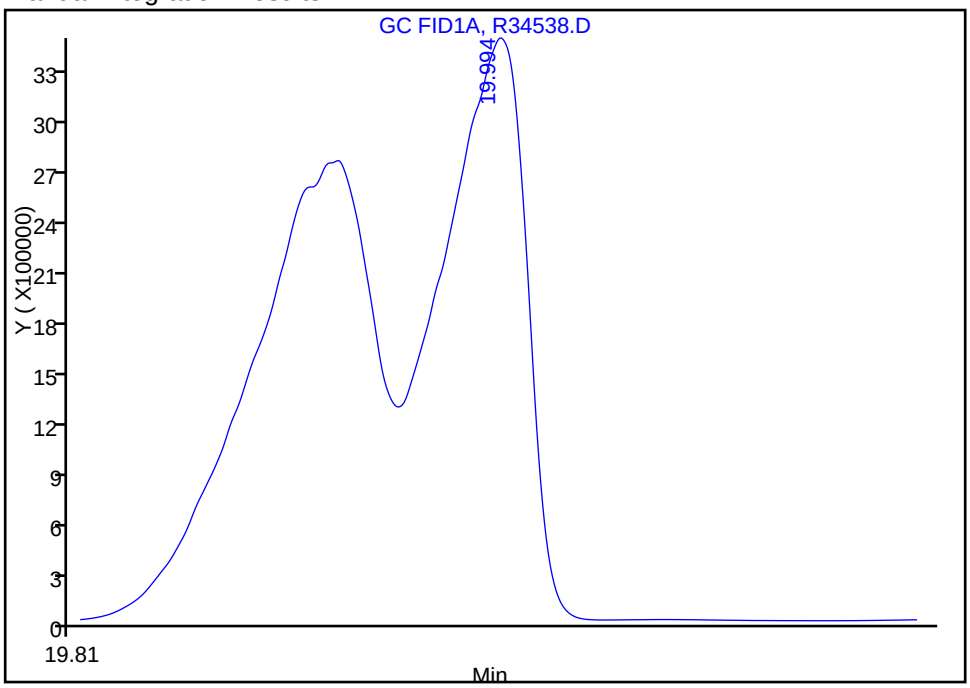
Processing Integration Results

RT: 20.18
Response: 43101
Amount: 50.000000



Manual Integration Results

RT: 19.99
Response: 8787996
Amount: 49.453774



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

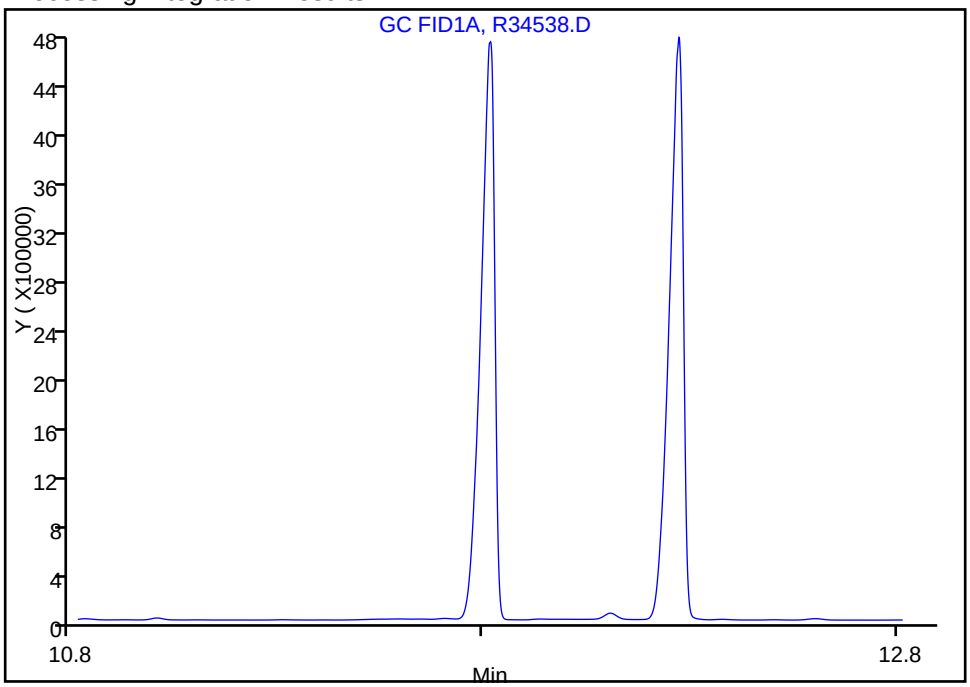
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

19 Fluoranthene, Signal: 1, Type: quant, RT: 11.82, Det: GC FID1A

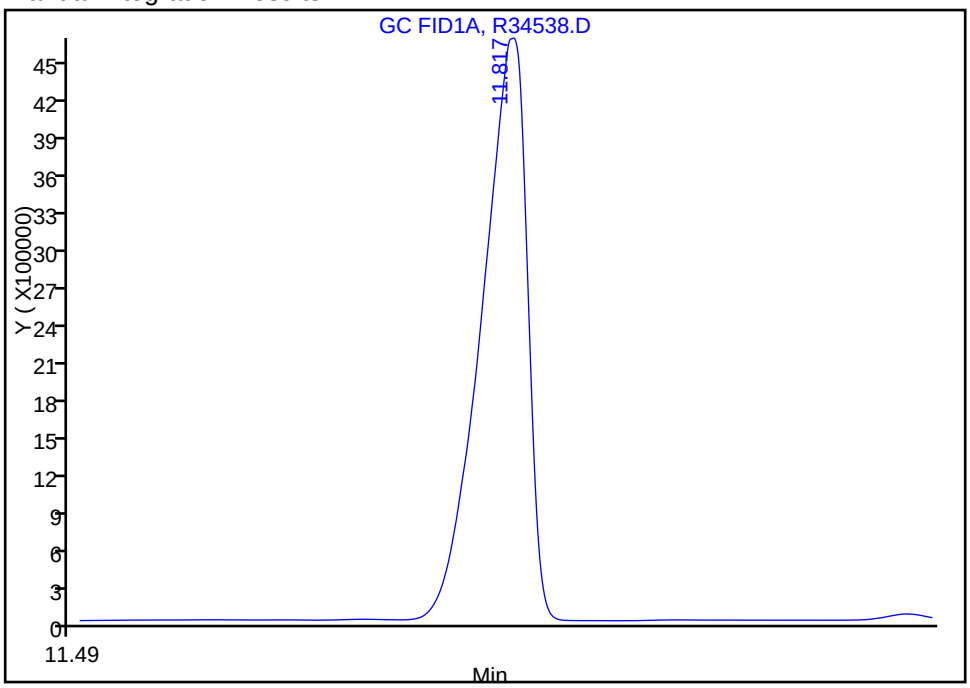
Not Detected
Expected RT: 11.82

Processing Integration Results



Manual Integration Results

RT: 11.82
Response: 10833057
Amount: 46.747659



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

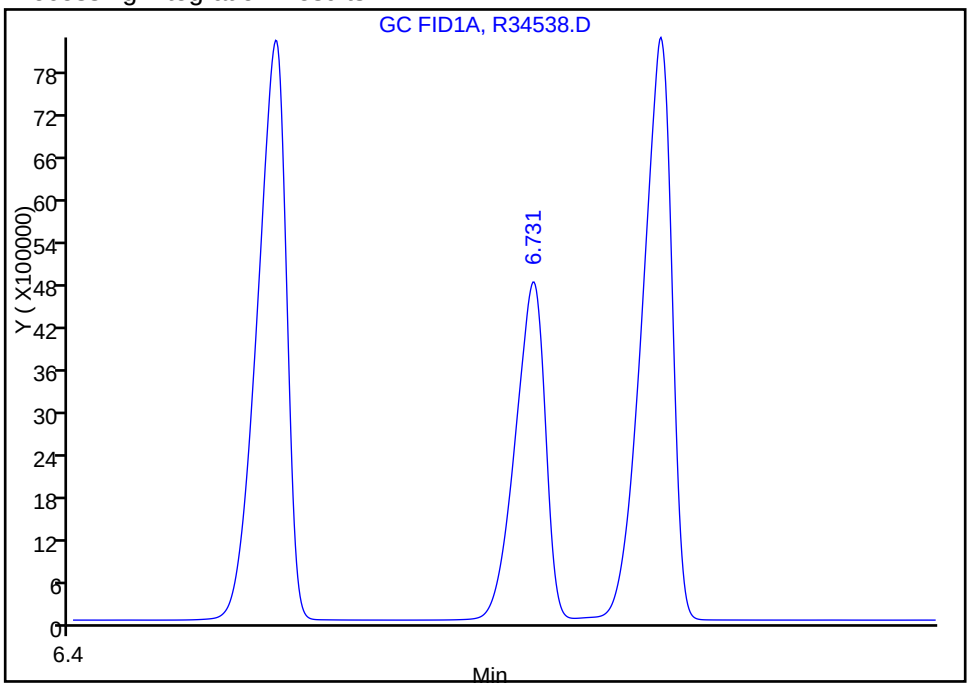
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

11 Acenaphthylene, Signal: 1, Type: quant, RT: 6.55, Det: GC FID1A

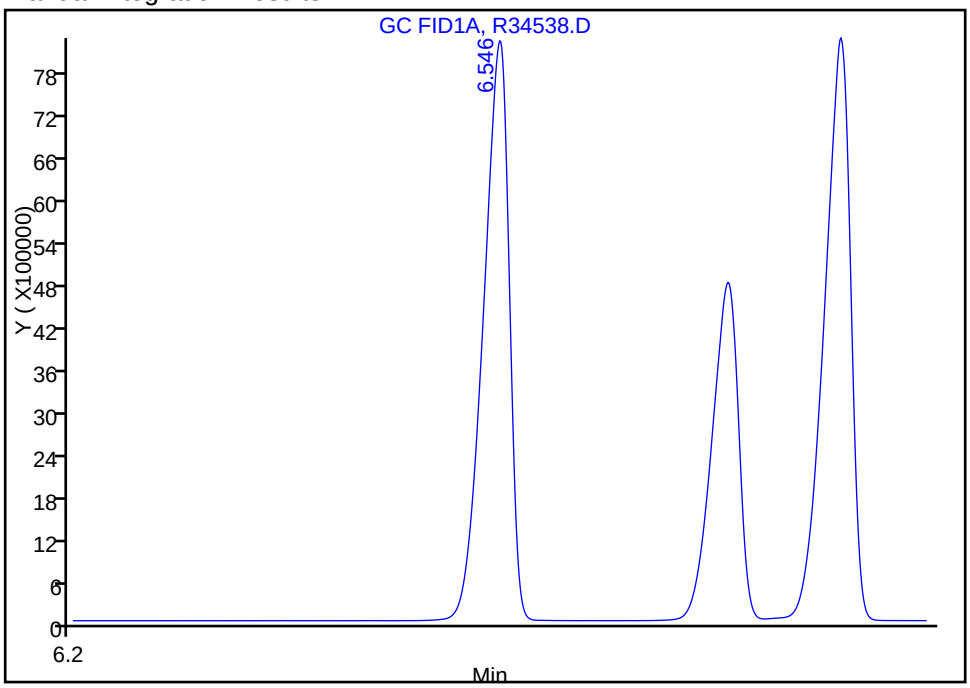
Processing Integration Results

RT: 6.73
Response: 7049882
Amount: 50.000000



Manual Integration Results

RT: 6.55
Response: 11796304
Amount: 48.360063



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

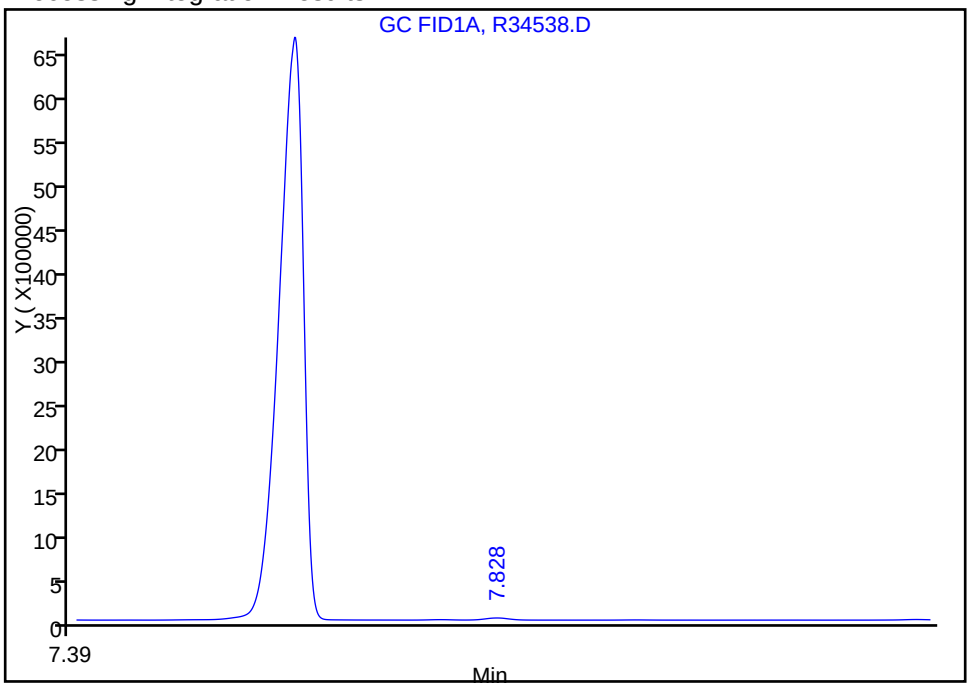
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

14 Fluorene, Signal: 1, Type: quant, RT: 7.62, Det: GC FID1A

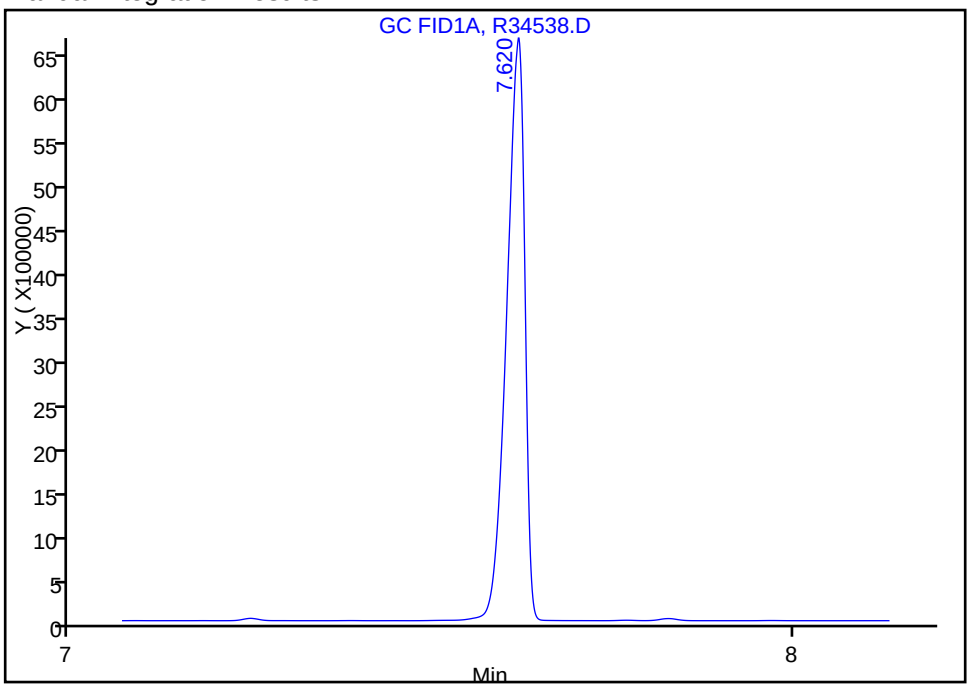
Processing Integration Results

RT: 7.83
Response: 41425
Amount: 50.000000



Manual Integration Results

RT: 7.62
Response: 11639559
Amount: 51.061464



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

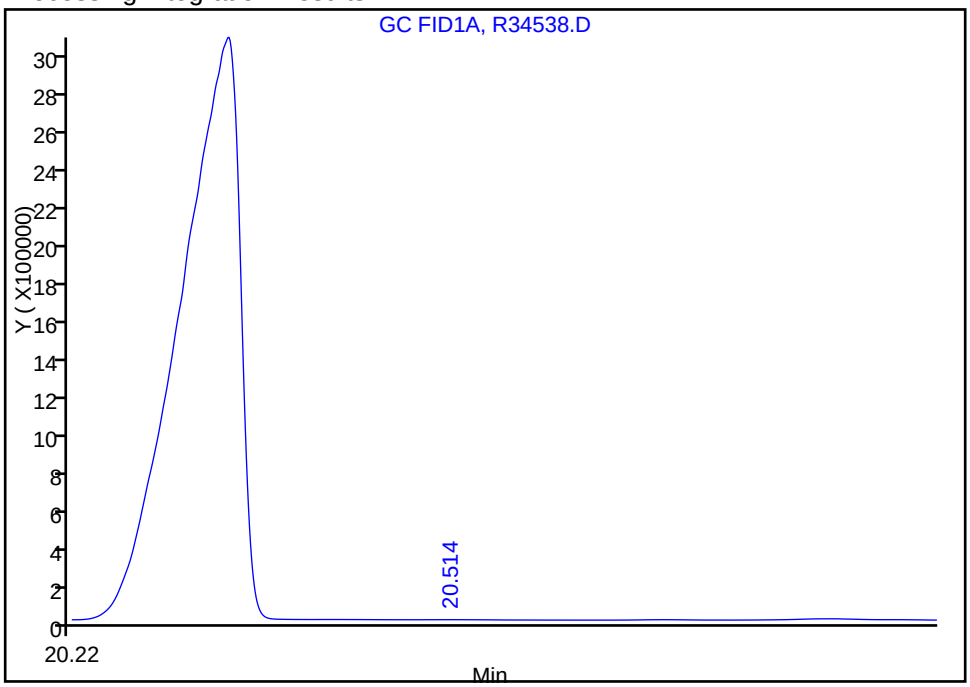
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.34, Det: GC FID1A

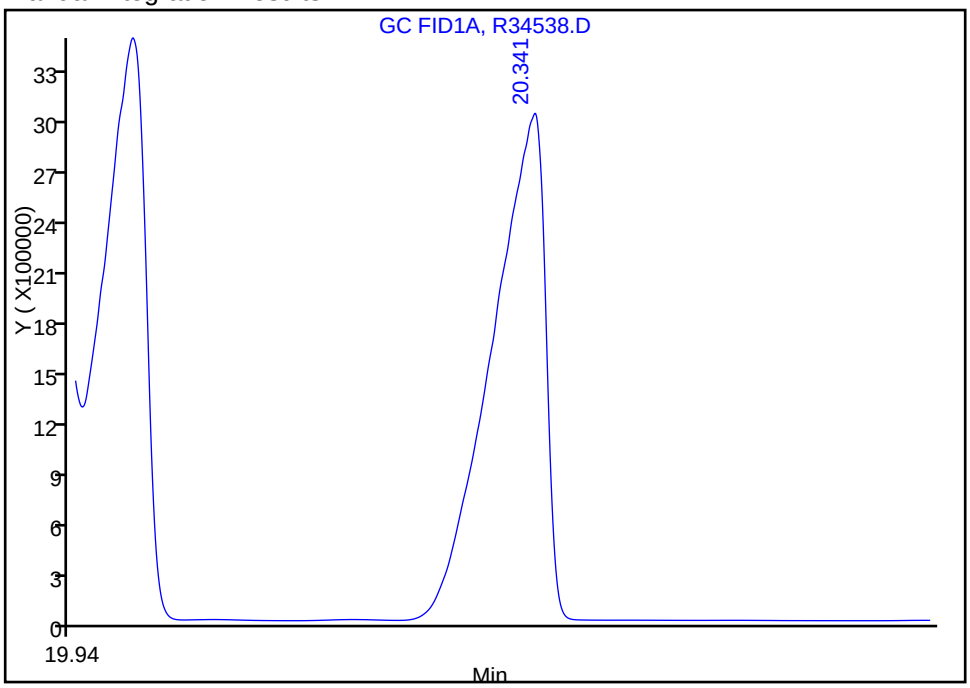
Processing Integration Results

RT: 20.51
Response: 37623
Amount: 50.000000



Manual Integration Results

RT: 20.34
Response: 9628511
Amount: 45.265058



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

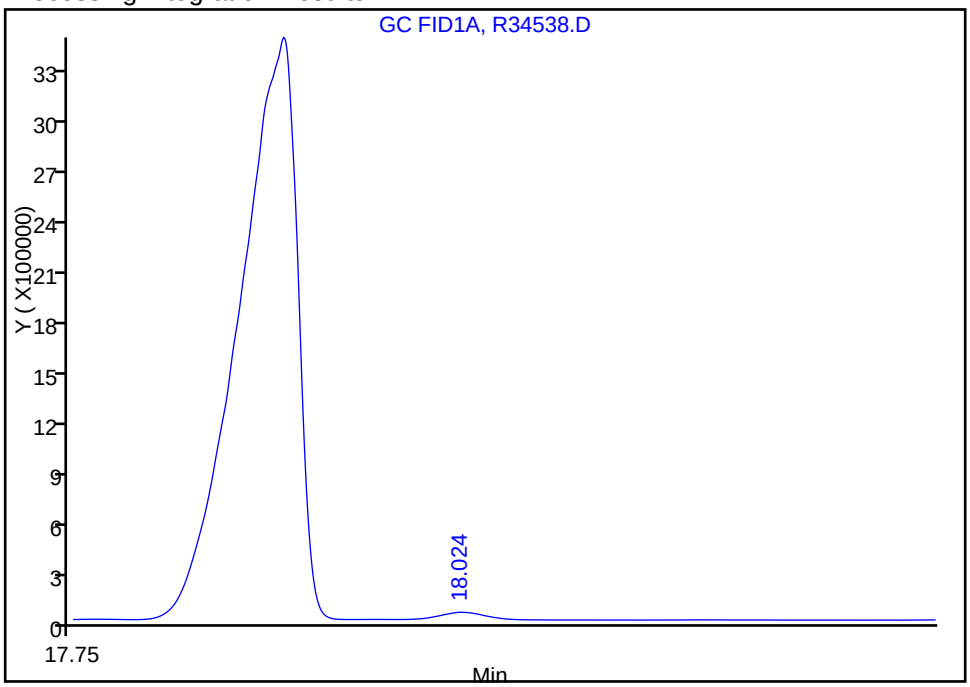
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 17.90, Det: GC FID1A

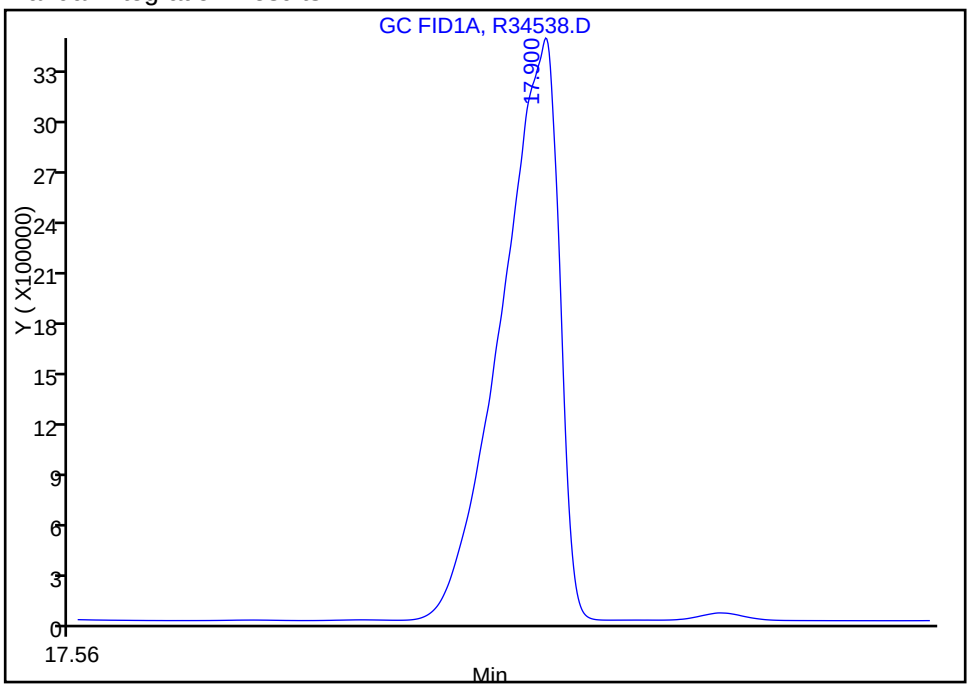
Processing Integration Results

RT: 18.02
Response: 119884
Amount: 50.000000



Manual Integration Results

RT: 17.90
Response: 9791174
Amount: 44.326050



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 02-Dec-2010 10:18:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

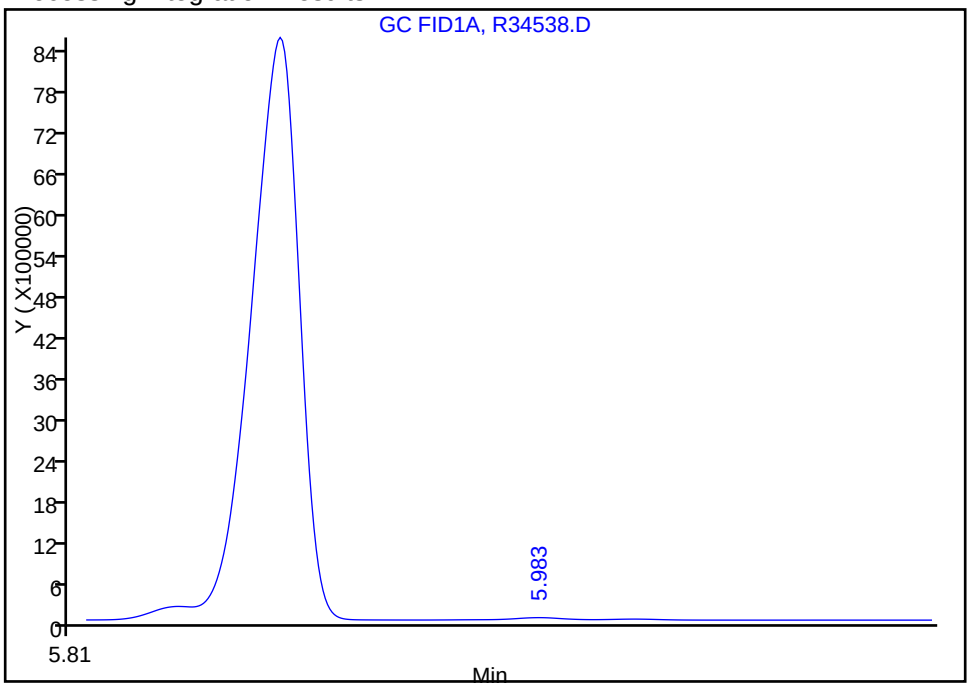
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

$ 1 2-Fluorobiphenyl, Signal: 1, Type: quant, RT: 5.89, Det: GC FID1A

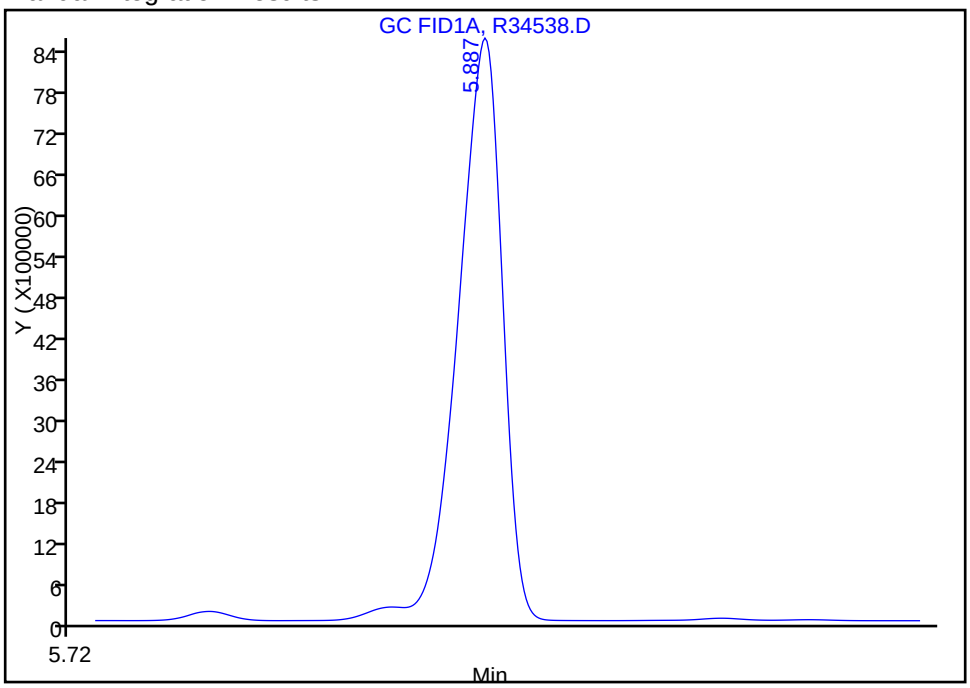
Processing Integration Results

RT: 5.98
Response: 47228
Amount: 50.000000



Manual Integration Results

RT: 5.89
Response: 10459722
Amount: 47.979268



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

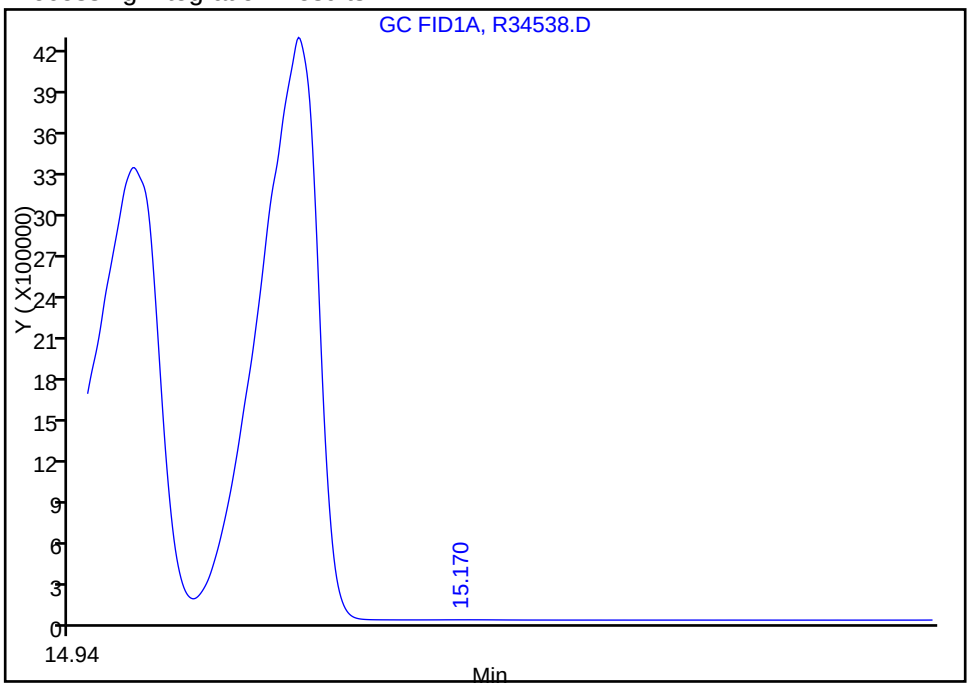
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D		
Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

24 Benzo[a]anthracene, Signal: 1, Type: quant, RT: 14.98, Det: GC FID1A

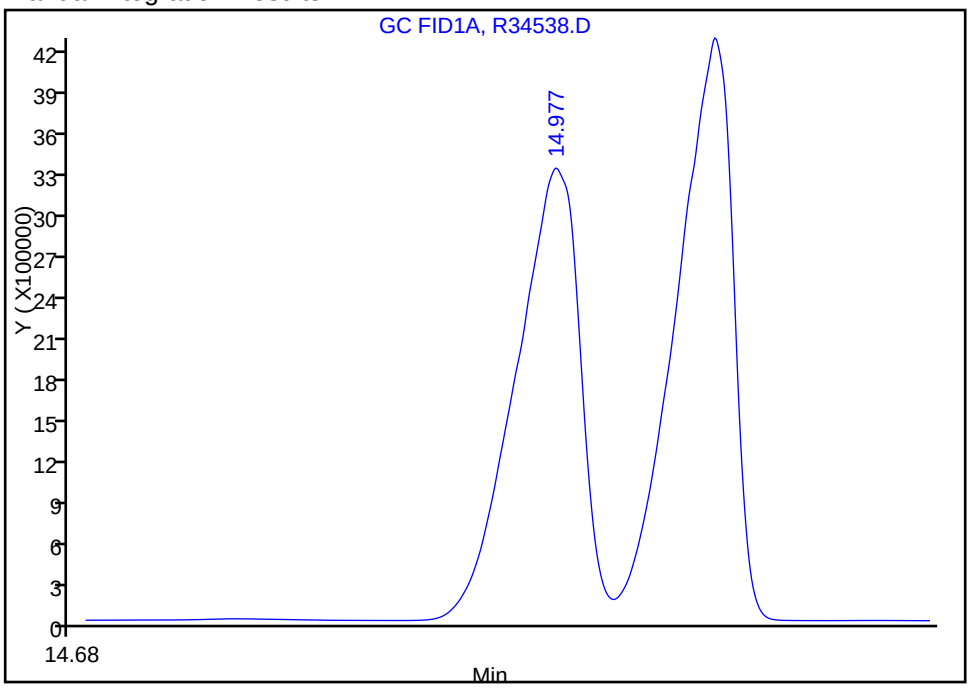
Processing Integration Results

RT: 15.17
Response: 10490
Amount: 50.000000



Manual Integration Results

RT: 14.98
Response: 8963007
Amount: 50.194487



Reviewer: sadowskis, 02-Dec-2010 09:44:48
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Lims ID:	std01	Client ID:	
Inject. Date:	29-Nov-2010 17:39:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	66573	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.879	5.887	-0.008	24188	0.1110	
$ 2 2-Bromonaphthalene						
1	6.718	6.731	-0.013	15811	0.1078	
$ 3 o-Terphenyl						
1	10.273	10.294	-0.021	29313	0.1166	
$ 4 1-Chlorooctadecane						
2	13.164	13.175	-0.011	31947	0.0725	
5 n-Nonane						
2	2.930	2.931	-0.001	21469	0.1078	
6 n-Decane						
2	3.707	3.710	-0.003	20117	0.1010	
7 Naphthalene						
1	4.654	4.661	-0.007	27990	0.1090	
9 Dodecane						M
2	5.239	5.240	-0.001	18455	0.0933	M
8 2-Methylnaphthalene						
1	5.413	5.421	-0.008	26944	0.1081	
11 Acenaphthylene						M
1	6.532	6.546	-0.014	25810	0.1058	M
15 n-Tetradecane						M
2	6.769	6.771	-0.002	27031	0.1317	M
12 Acenaphthene						M
1	6.804	6.822	-0.018	25357	0.1019	M
14 Fluorene						
1	7.601	7.620	-0.019	35567	0.0764	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						M
2	8.561	8.566	-0.005	28978	0.0895	M
16 Phenanthrene						M
1	9.324	9.347	-0.023	23671	0.0998	M
17 Anthracene						M
1	9.409	9.436	-0.027	26667	0.1137	M
20 n-Octadecane						M
2	10.472	10.483	-0.011	30384	0.0881	M
22 C19						M
2	11.421	11.434	-0.013	24955	0.1270	M
19 Fluoranthene						
1	11.783	11.817	-0.034	25766	0.1112	
21 Pyrene						
1	12.240	12.274	-0.034	29691	0.1240	
23 icosane						M
2	12.352	12.363	-0.011	22724	0.1210	M
27 n-Docosane						
2	14.127	14.141	-0.014	28251	0.0703	
24 Benzo[a]anthracene						
1	14.945	14.977	-0.032	44074	0.0593	
25 Chrysene						
1	15.029	15.074	-0.045	29169	0.0523	
28 n-Tetracosane						
2	15.783	15.796	-0.013	30855	0.0643	
29 Benzo[b]fluoranthene						A
1	17.235	17.283	-0.048	41911	0.3424	A
32 n-Hexacosane						
2	17.318	17.338	-0.020	39589	0.0719	
30 Benzo[k]fluoranthene						A
1	17.289	17.346	-0.057	31766	0.0587	A
31 Benzo[a]pyrene						M
1	17.846	17.900	-0.054	26641	0.1206	M
35 n-Octacosane						
2	18.752	18.771	-0.019	42569	0.0701	
33 Indeno[1,2,3-cd]pyrene						M
1	19.864	19.924	-0.060	28324	0.1276	M
34 Dibenz(a,h)anthracene						M
1	19.934	19.994	-0.060	26651	0.0540	M
37 Triacontane						
2	20.089	20.112	-0.023	37400	0.0706	
36 Benzo[g,h,i]perylene						M
1	20.264	20.341	-0.077	24097	0.1133	M
38 n-Hexatriacontane						
2	24.074	24.110	-0.036	17534	0.0976	
S 42 C11-C22 Aromatics (Adjusted)						
1					-1.70	
2					0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
1					-1.70	
S 44 EPH Adjustment 1						
1					1.70	

QC Flag Legend

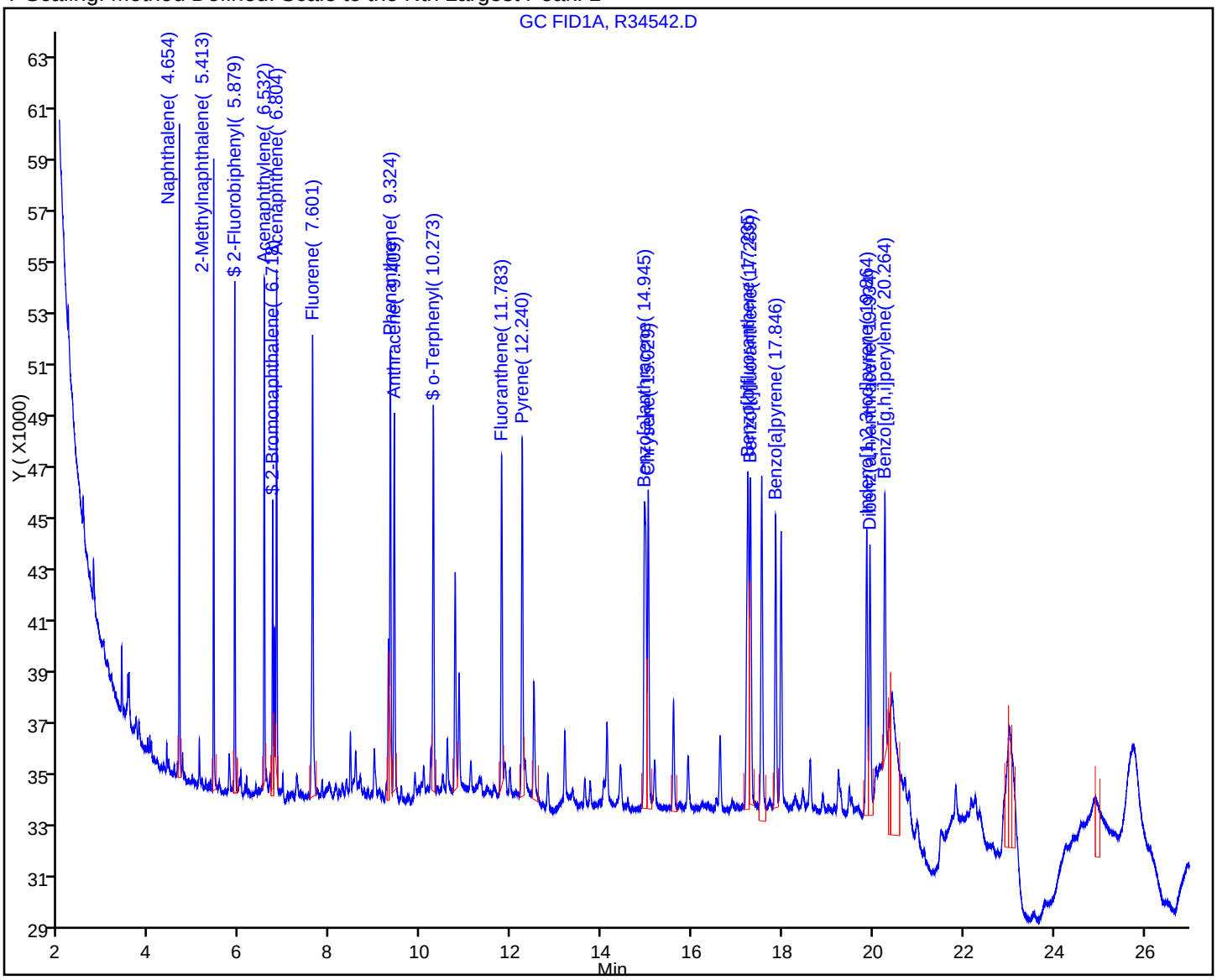
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D

Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



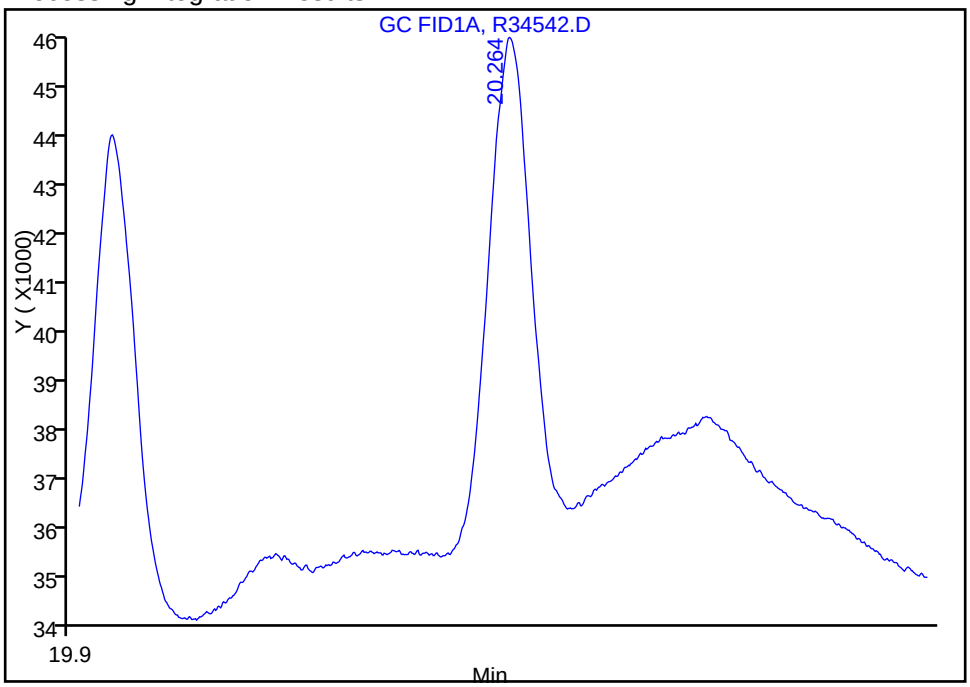
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.34, Det: GC FID1A

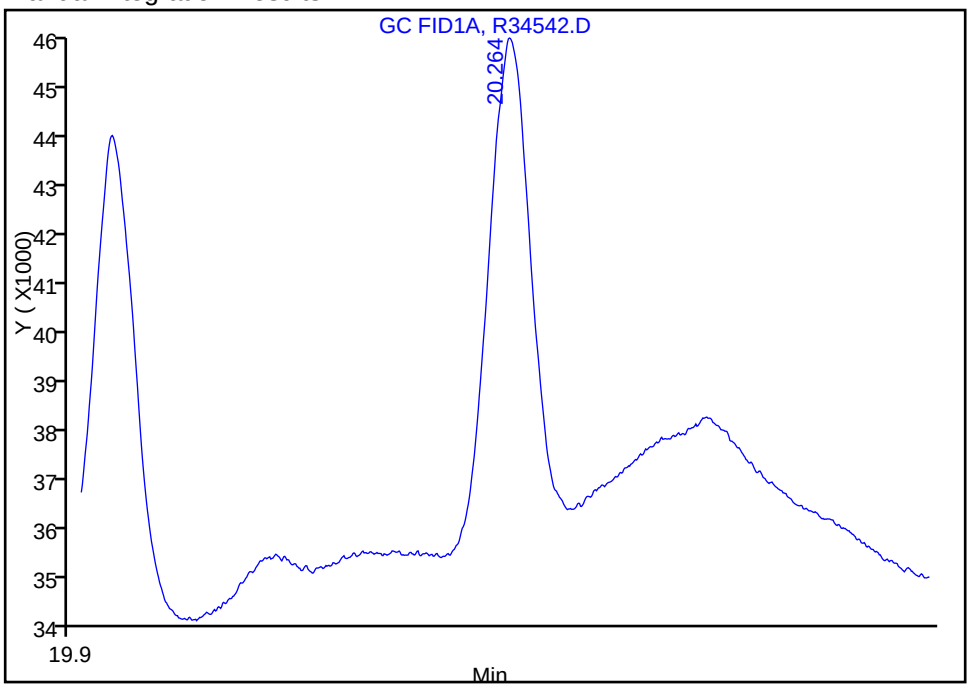
Processing Integration Results

RT: 20.26
Response: 42208
Amount: 0.103313



Manual Integration Results

RT: 20.26
Response: 24097
Amount: 0.113284



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

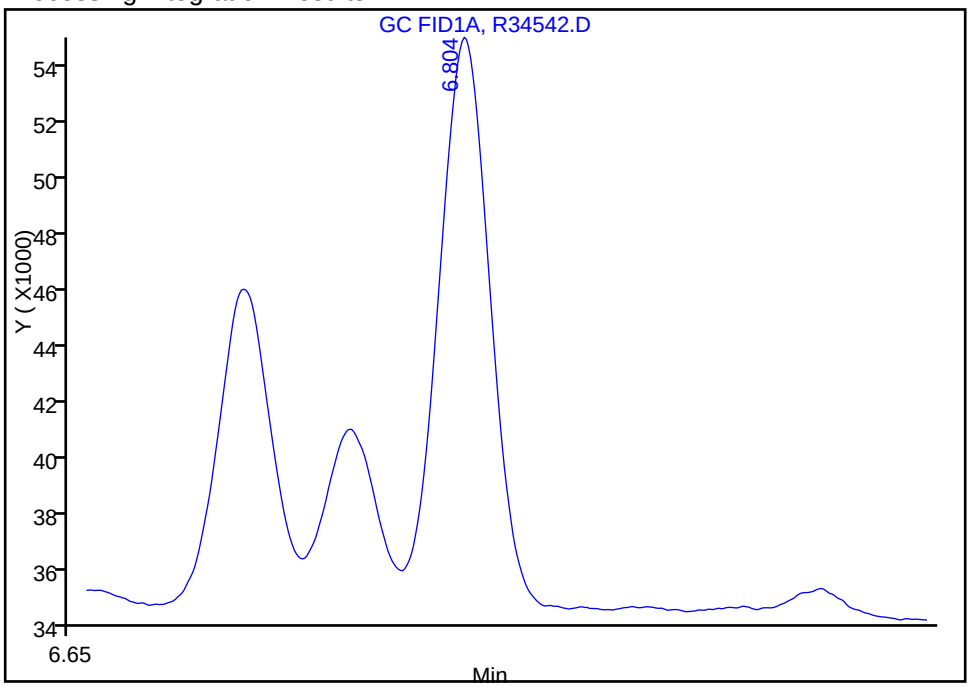
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

12 Acenaphthene, Signal: 1, Type: quant, RT: 6.82, Det: GC FID1A

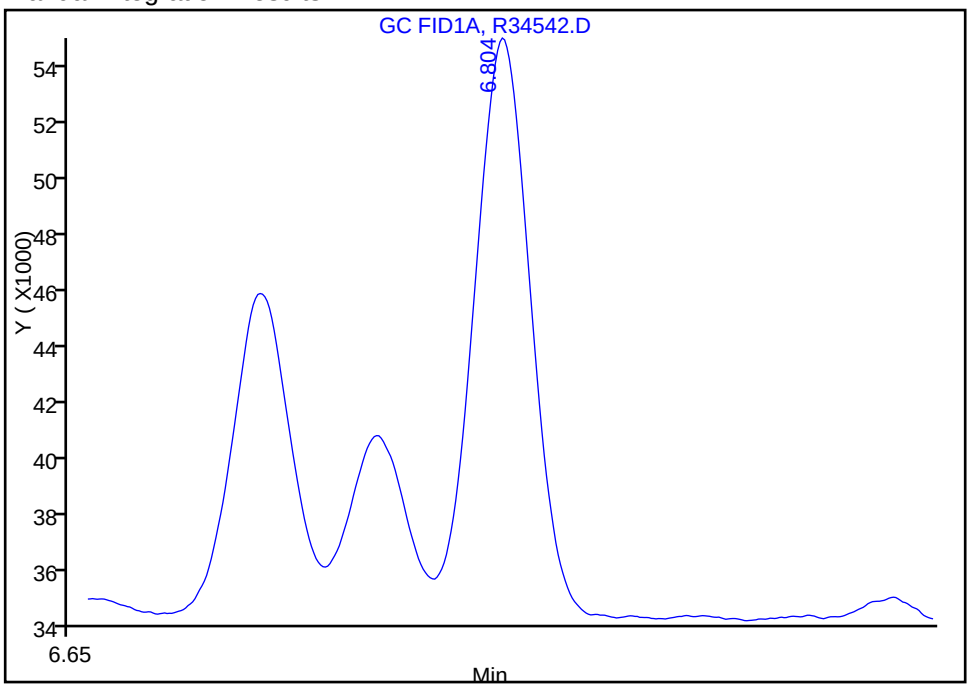
Processing Integration Results

RT: 6.80
Response: 28559
Amount: 0.113166



Manual Integration Results

RT: 6.80
Response: 25357
Amount: 0.101915



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

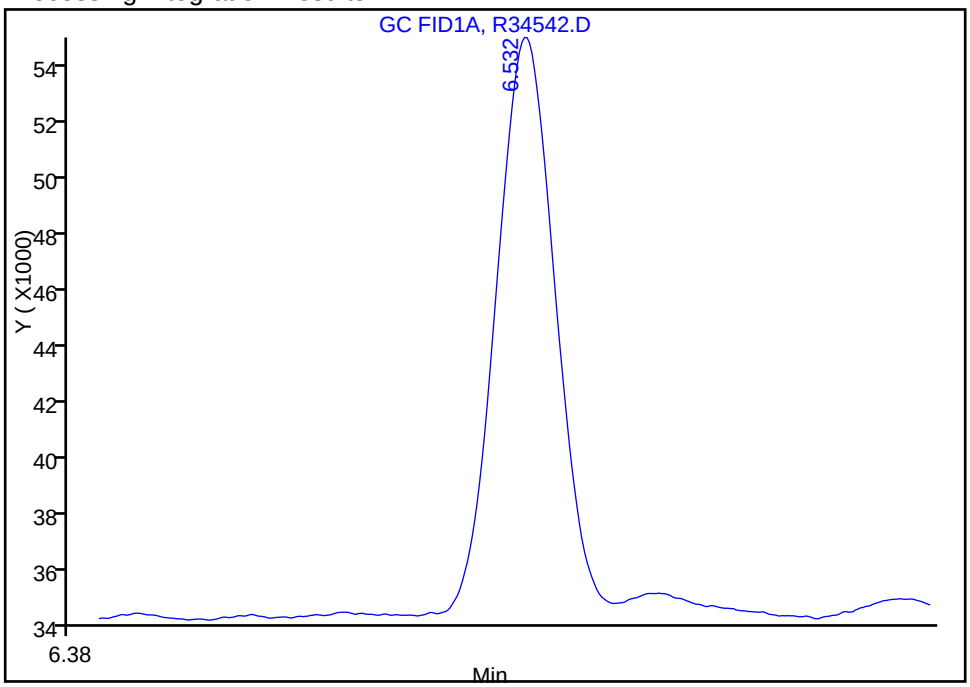
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

11 Acenaphthylene, Signal: 1, Type: quant, RT: 6.55, Det: GC FID1A

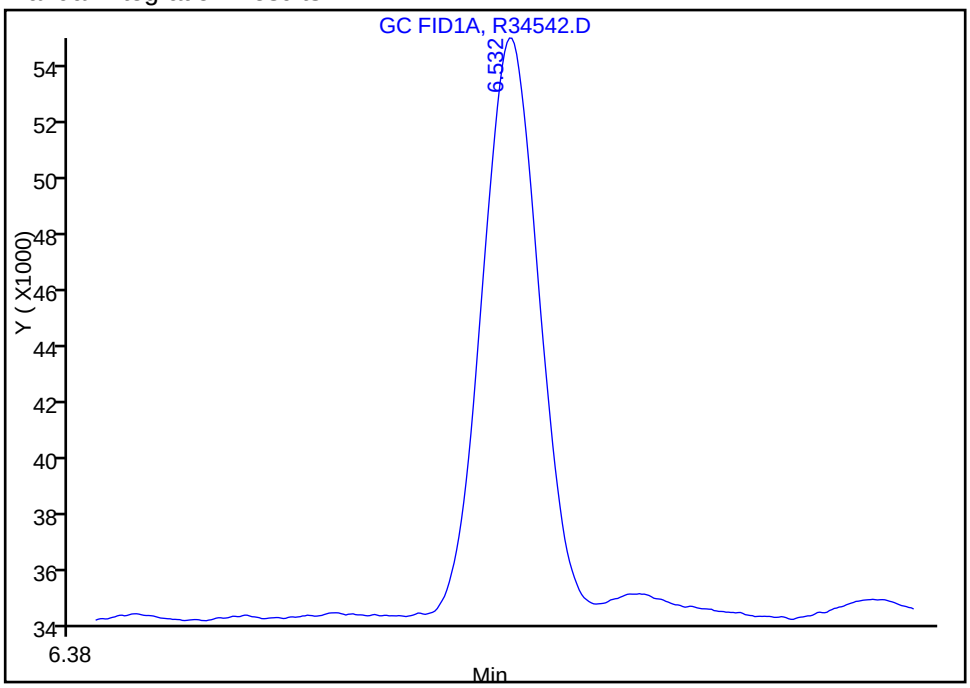
Processing Integration Results

RT: 6.53
Response: 27642
Amount: 0.112383



Manual Integration Results

RT: 6.53
Response: 25810
Amount: 0.105811



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

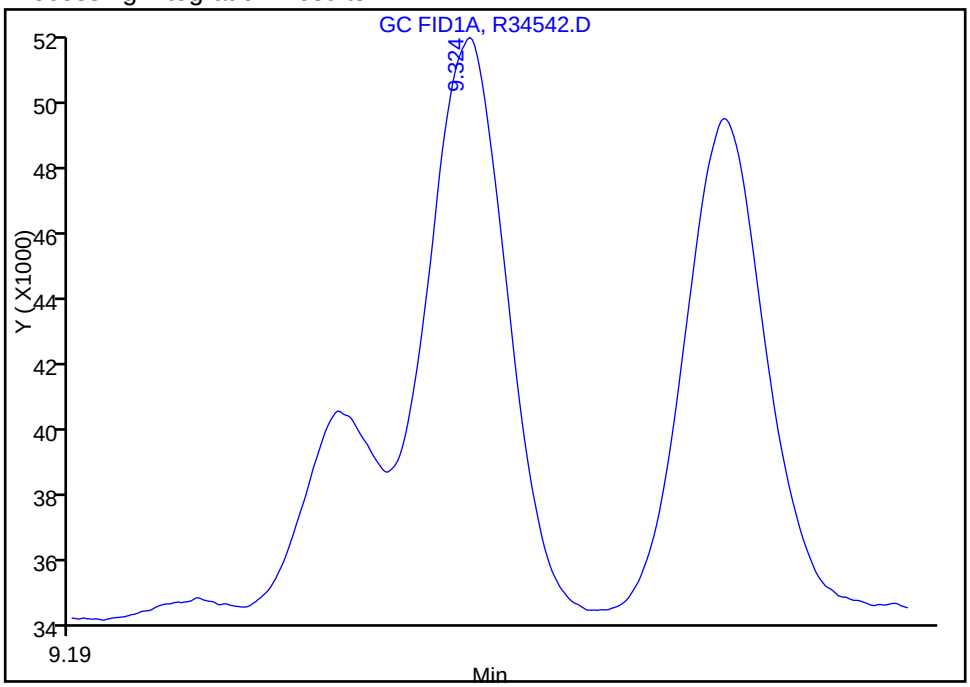
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

16 Phenanthrene, Signal: 1, Type: quant, RT: 9.35, Det: GC FID1A

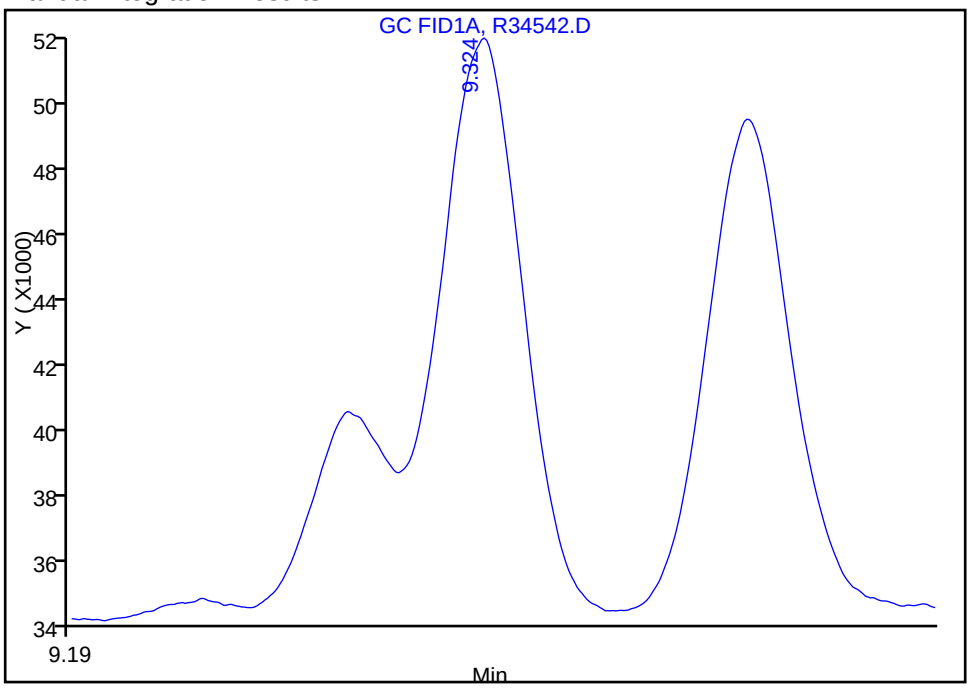
Processing Integration Results

RT: 9.32
Response: 32625
Amount: 0.132024



Manual Integration Results

RT: 9.32
Response: 23671
Amount: 0.099808



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

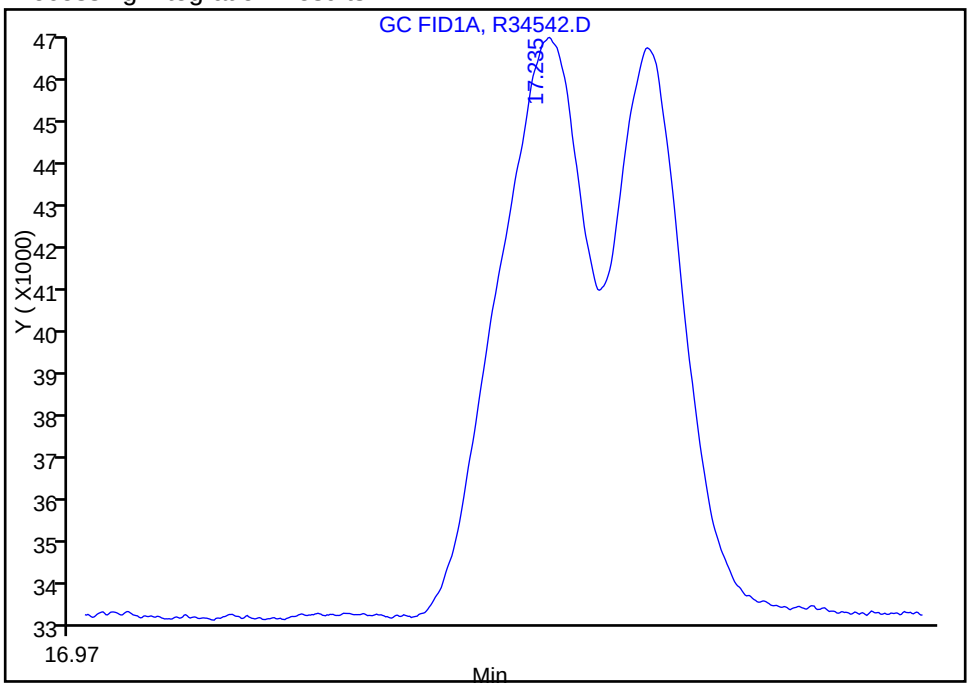
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.28, Det: GC FID1A

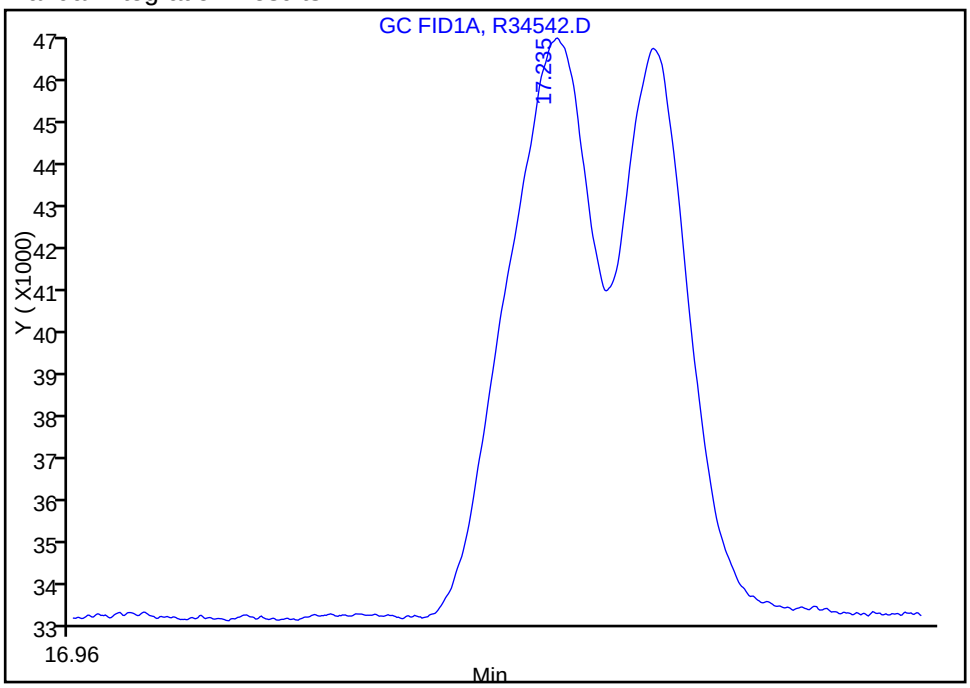
Processing Integration Results

RT: 17.24
Response: 44547
Amount: 0.351561



Manual Integration Results

RT: 17.24
Response: 41911
Amount: 0.342370



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

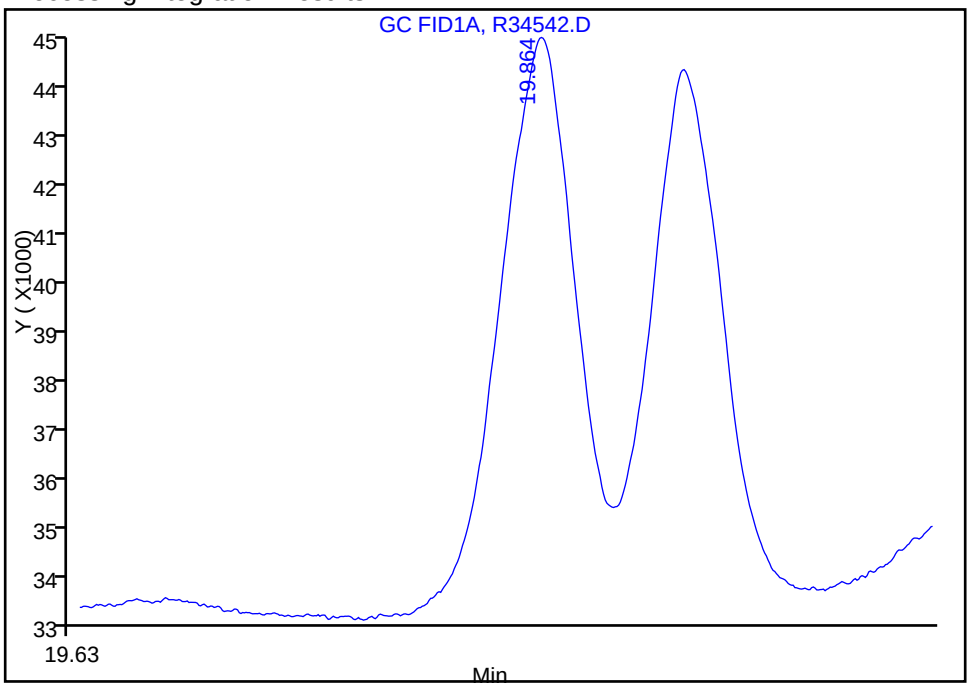
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

33 Indeno[1,2,3-cd]pyrene, Signal: 1, Type: quant, RT: 19.92, Det: GC FID1A

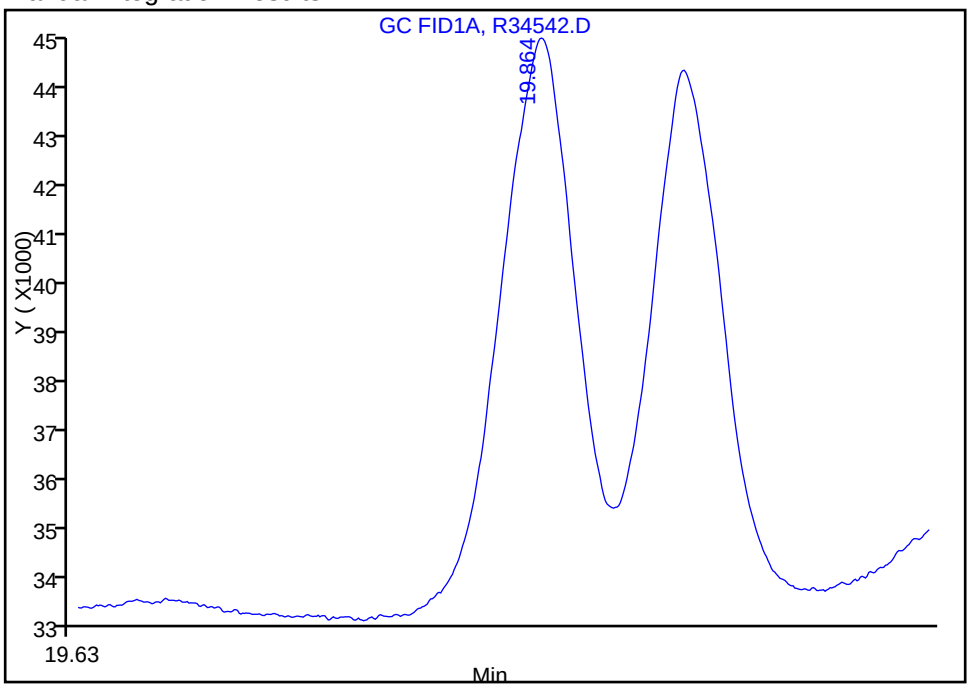
Processing Integration Results

RT: 19.86
Response: 32539
Amount: 0.149077



Manual Integration Results

RT: 19.86
Response: 28324
Amount: 0.127566



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

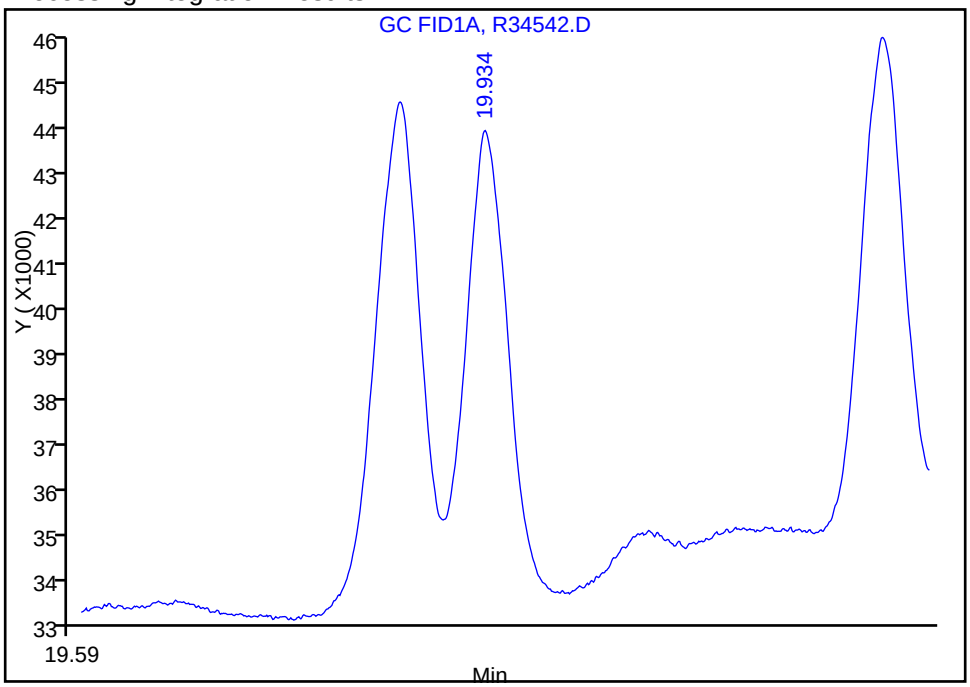
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 19.99, Det: GC FID1A

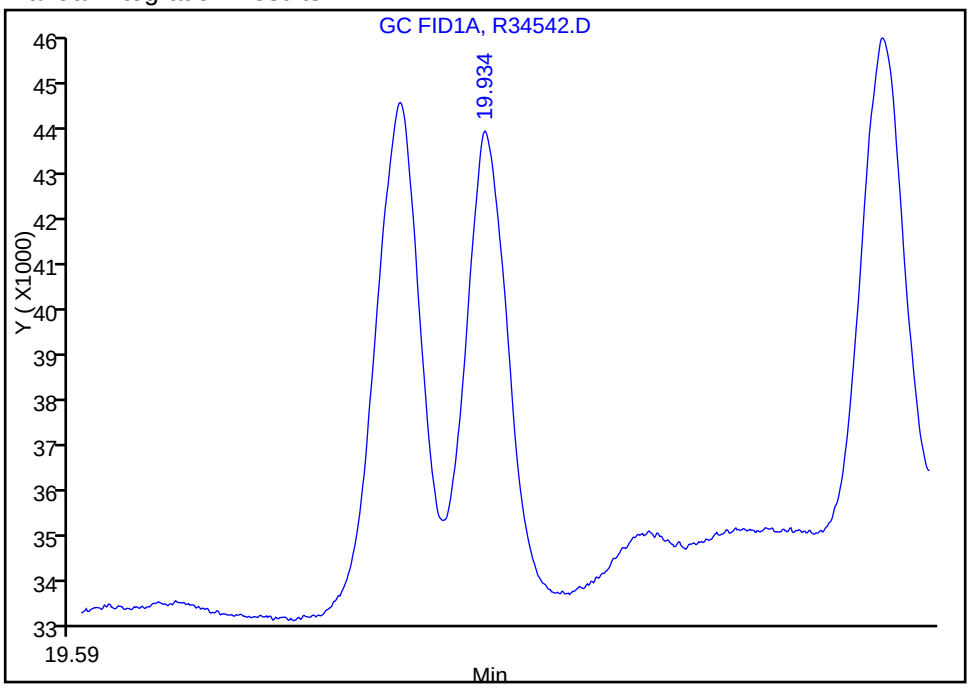
Processing Integration Results

RT: 19.93
Response: 30749
Amount: 0.143312



Manual Integration Results

RT: 19.93
Response: 26651
Amount: 0.053977



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

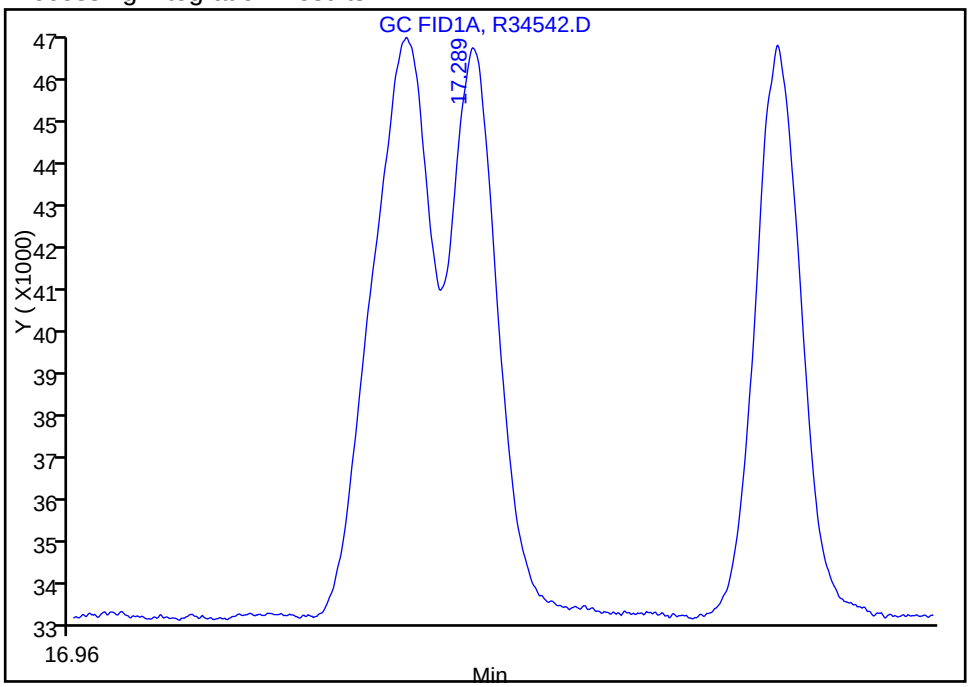
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.35, Det: GC FID1A

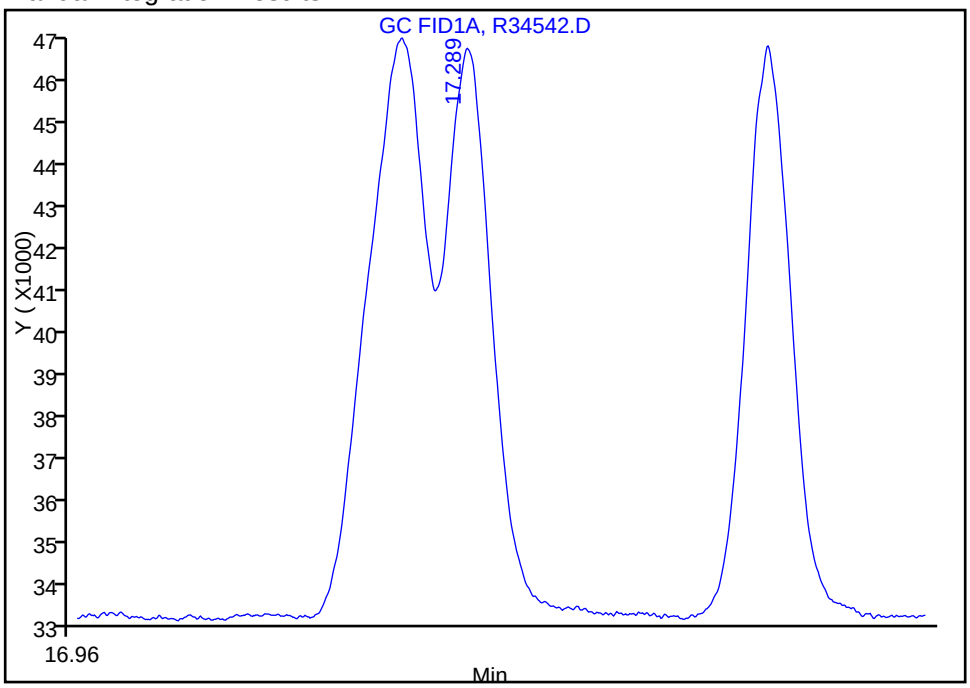
Processing Integration Results

RT: 17.29
Response: 36812
Amount: 0.157087



Manual Integration Results

RT: 17.29
Response: 31766
Amount: 0.058698



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

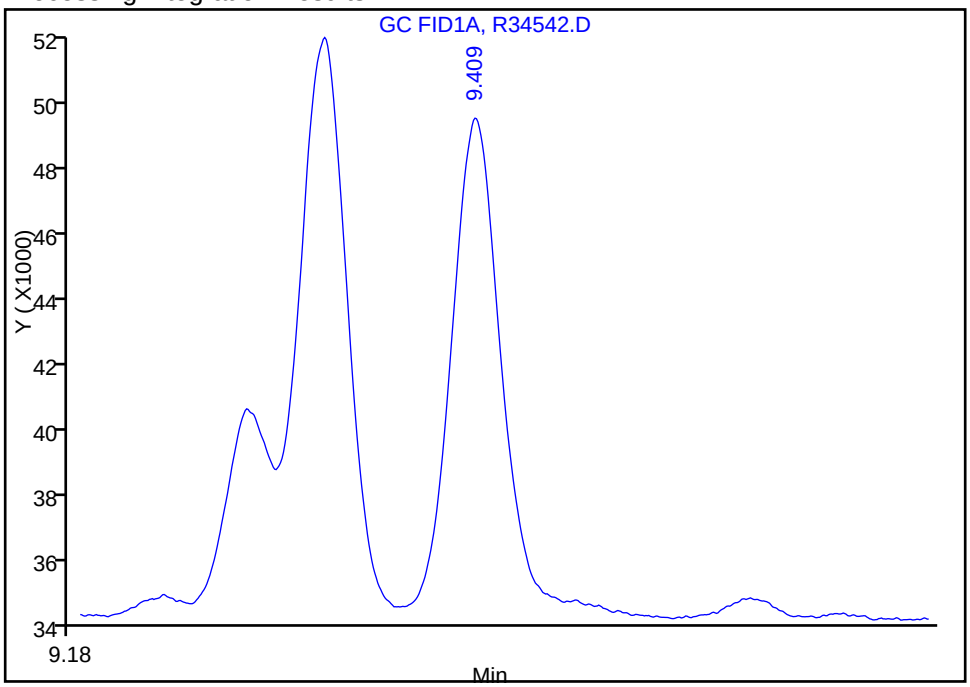
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

17 Anthracene, Signal: 1, Type: quant, RT: 9.44, Det: GC FID1A

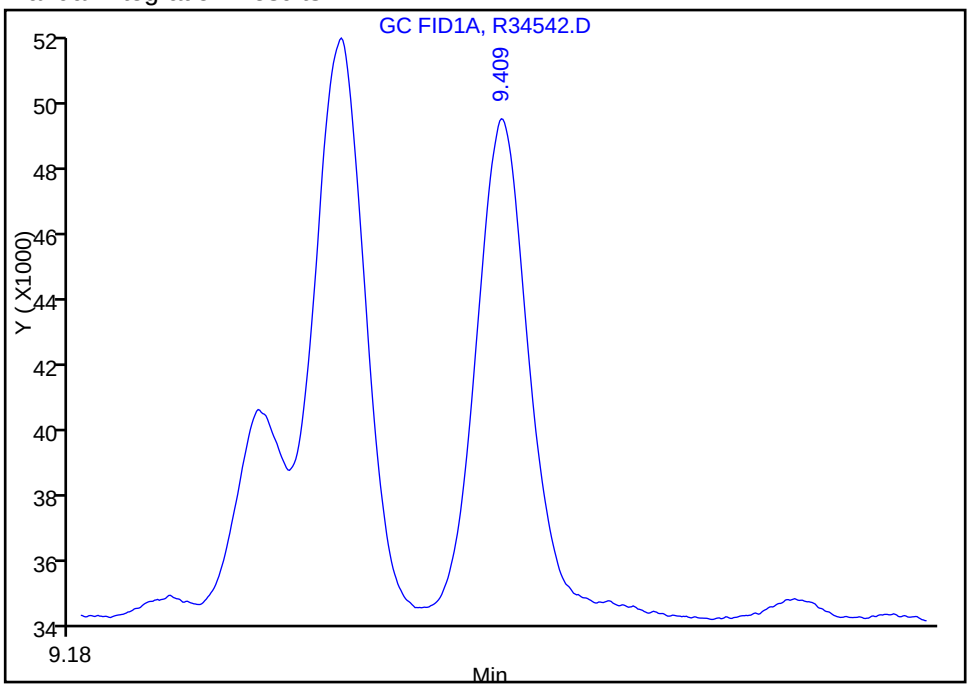
Processing Integration Results

RT: 9.41
Response: 29417
Amount: 0.123845



Manual Integration Results

RT: 9.41
Response: 26667
Amount: 0.113731



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

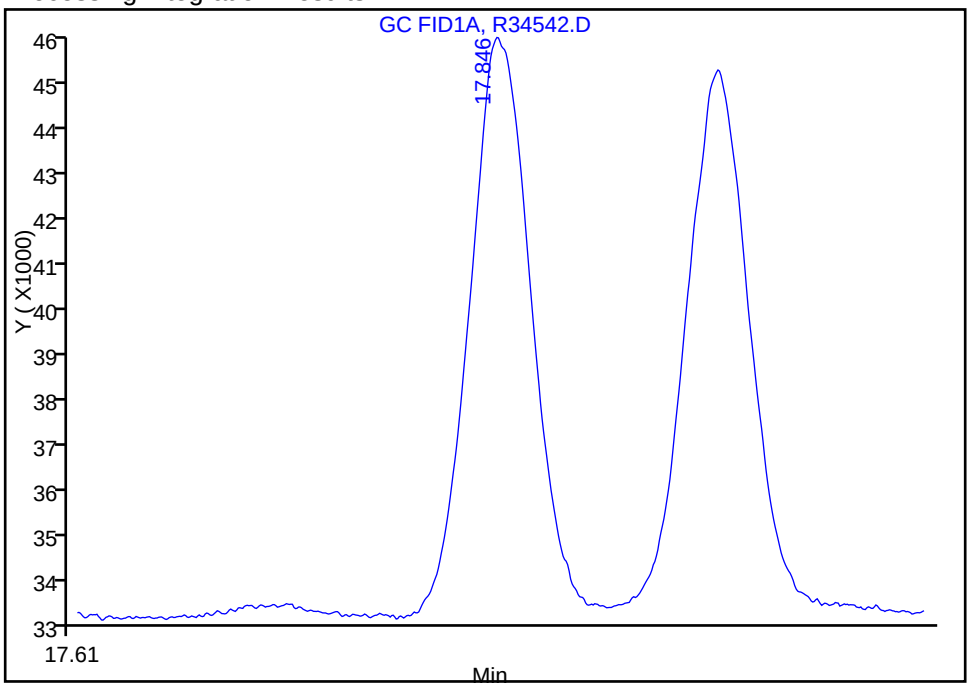
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 17.90, Det: GC FID1A

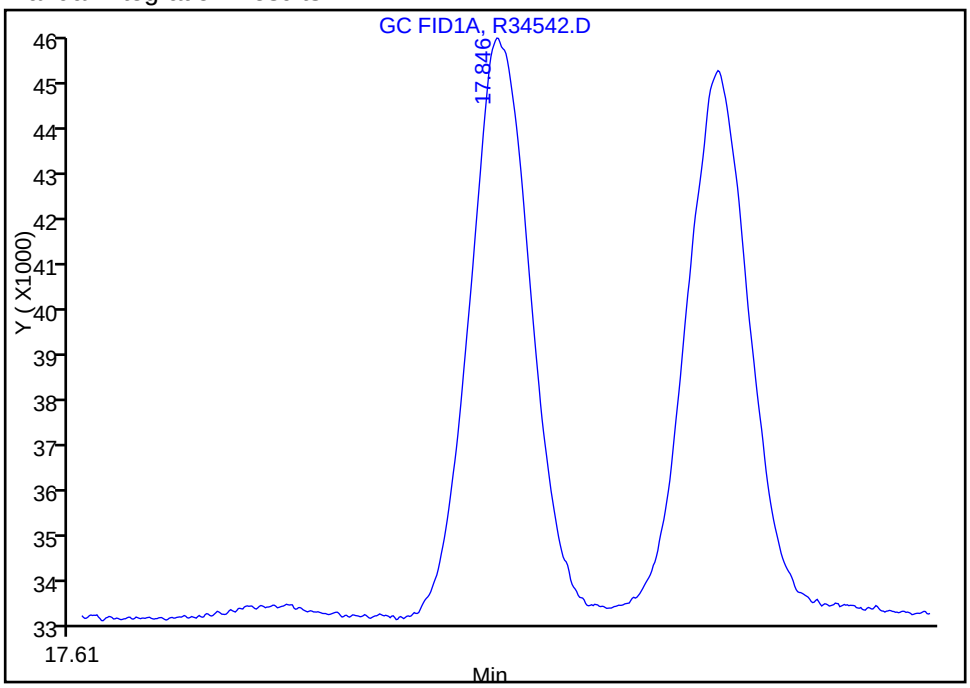
Processing Integration Results

RT: 17.85
Response: 30493
Amount: 0.135422



Manual Integration Results

RT: 17.85
Response: 26641
Amount: 0.120608



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Lims ID:	std05	Client ID:	
Inject. Date:	29-Nov-2010 18:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD05		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	66573	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.879	5.887	-0.008	121546	0.5575	
$ 2 2-Bromonaphthalene						
1	6.719	6.731	-0.012	82096	0.5599	
$ 3 o-Terphenyl						
1	10.274	10.294	-0.020	143140	0.5694	
$ 4 1-Chlorooctadecane						M
2	13.165	13.175	-0.010	104230	0.5618	M
5 n-Nonane						
2	2.929	2.931	-0.002	102697	0.5157	
6 n-Decane						
2	3.704	3.710	-0.006	102174	0.5132	
7 Naphthalene						
1	4.654	4.661	-0.007	143969	0.5606	
9 Dodecane						M
2	5.236	5.240	-0.004	98643	0.4989	M
8 2-Methylnaphthalene						
1	5.413	5.421	-0.008	140009	0.5619	
11 Acenaphthylene						
1	6.533	6.546	-0.013	138605	0.5682	
15 n-Tetradecane						M
2	6.768	6.771	-0.003	105908	0.5160	M
12 Acenaphthene						
1	6.805	6.822	-0.017	142391	0.5723	
14 Fluorene						
1	7.602	7.620	-0.018	146375	0.5632	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						M
2	8.561	8.566	-0.005	108171	0.5080	M
16 Phenanthrene						
1	9.323	9.347	-0.024	143296	0.6042	
17 Anthracene						
1	9.408	9.436	-0.028	136471	0.5820	
20 n-Octadecane						
2	10.473	10.483	-0.010	112355	0.5291	
22 C19						
2	11.423	11.434	-0.011	106061	0.5397	
19 Fluoranthene						
1	11.787	11.817	-0.030	133797	0.5774	
21 Pyrene						
1	12.240	12.274	-0.034	133595	0.5580	
23 icosane						
2	12.352	12.363	-0.011	106382	0.5666	
27 n-Docosane						
2	14.128	14.141	-0.013	105579	0.5427	
24 Benzo[a]anthracene						
1	14.944	14.977	-0.033	140991	0.6041	
25 Chrysene						
1	15.028	15.074	-0.046	133376	0.5703	
28 n-Tetracosane						
2	15.783	15.796	-0.013	117638	0.5675	
29 Benzo[b]fluoranthene						
1	17.242	17.283	-0.041	141940	0.7844	
32 n-Hexacosane						
2	17.319	17.338	-0.019	120756	0.5294	
30 Benzo[k]fluoranthene						
1	17.289	17.346	-0.057	142562	0.6158	
31 Benzo[a]pyrene						
1	17.846	17.900	-0.054	130740	0.5919	
35 n-Octacosane						
2	18.753	18.771	-0.018	126811	0.5327	
33 Indeno[1,2,3-cd]pyrene						M
1	19.860	19.924	-0.064	125564	0.5655	M
34 Dibenz(a,h)anthracene						M
1	19.935	19.994	-0.059	116584	0.5611	M
37 Triacontane						
2	20.090	20.112	-0.022	122880	0.5252	
36 Benzo[g,h,i]perylene						M
1	20.265	20.341	-0.076	119564	0.5621	M
38 n-Hexatriacontane						
2	24.075	24.110	-0.035	99524	0.5540	
S 42 C11-C22 Aromatics (Adjusted)						
1					-8.88	
2					0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
1					-8.88	
S 44 EPH Adjustment 1						
1					8.88	

QC Flag Legend

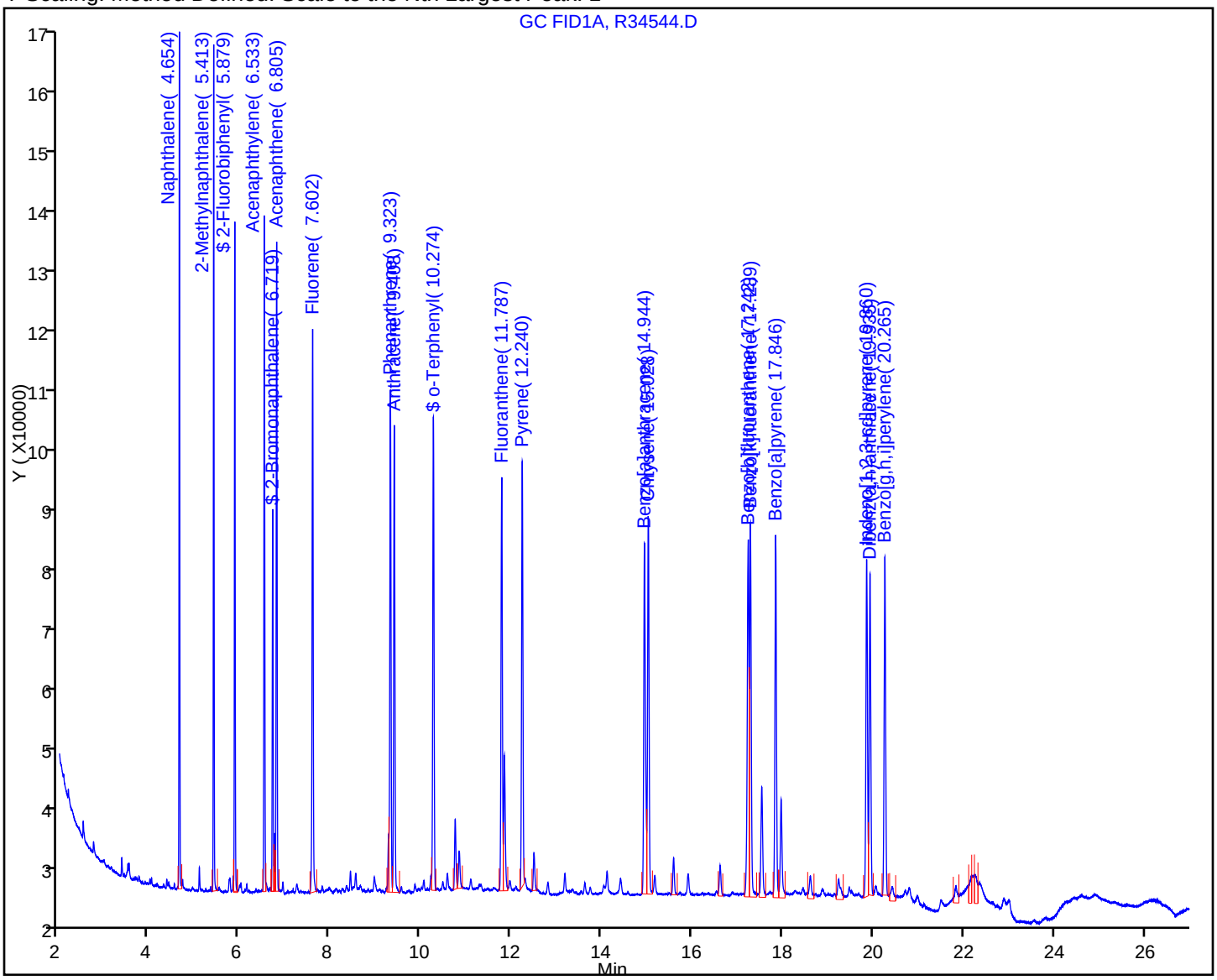
Review Flags
M - Manually Integrated

Report Date: 02-Dec-2010 10:18:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D

Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



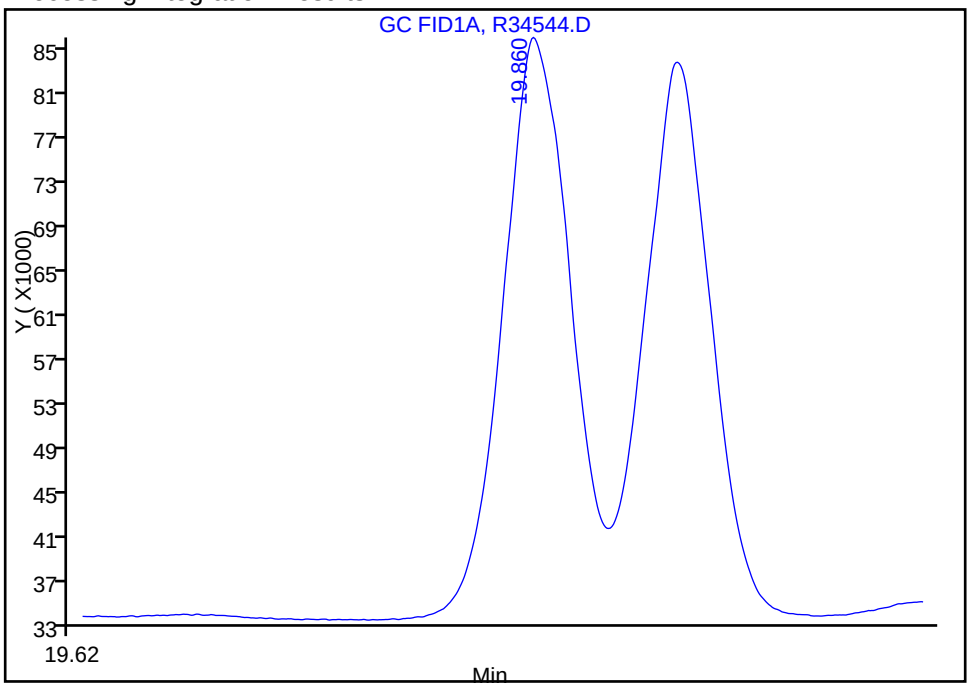
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

33 Indeno[1,2,3-cd]pyrene, Signal: 1, Type: quant, RT: 19.92, Det: GC FID1A

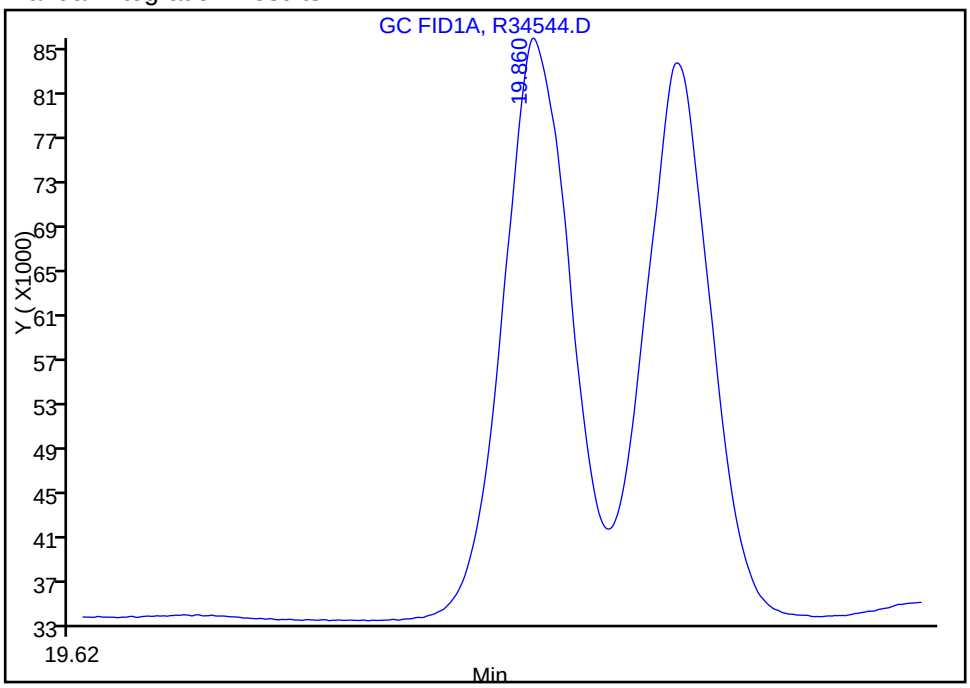
Processing Integration Results

RT: 19.86
Response: 129340
Amount: 0.595707



Manual Integration Results

RT: 19.86
Response: 125564
Amount: 0.565516



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

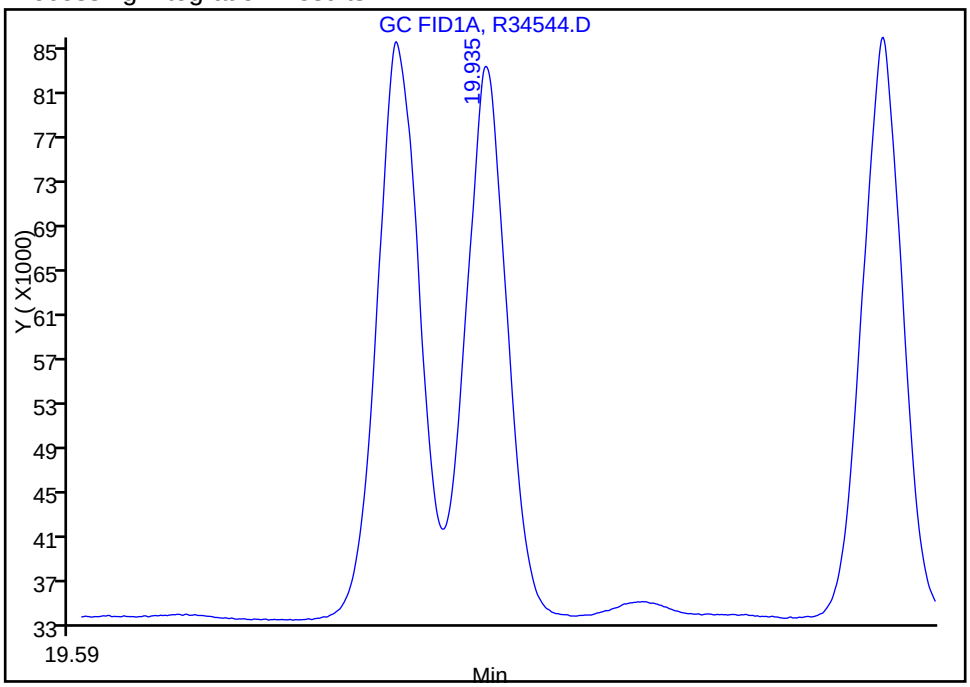
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 19.99, Det: GC FID1A

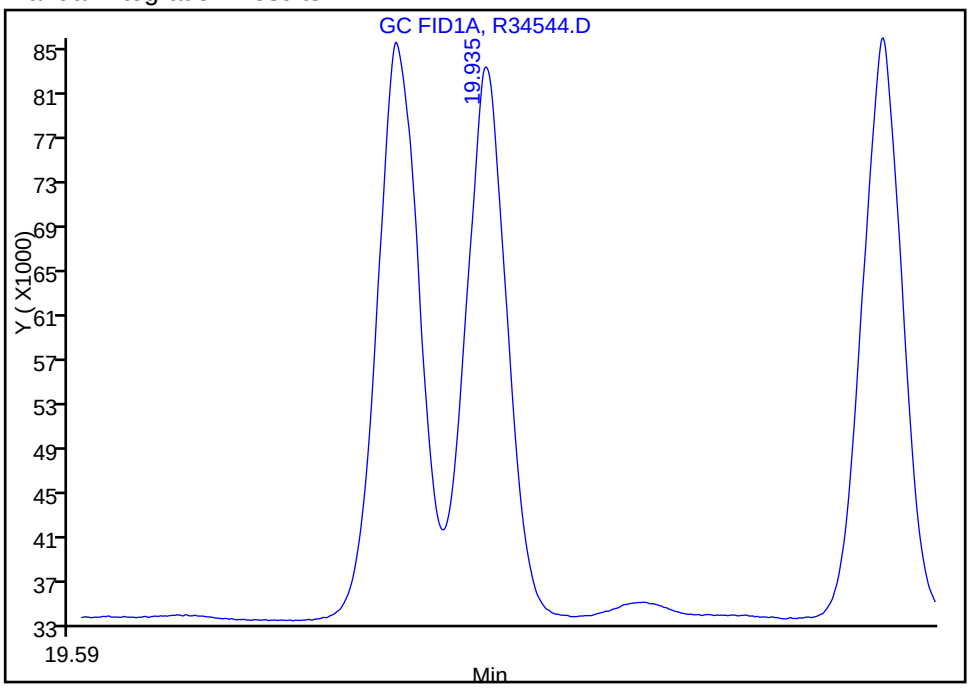
Processing Integration Results

RT: 19.94
Response: 121841
Amount: 0.596506



Manual Integration Results

RT: 19.94
Response: 116584
Amount: 0.561053



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

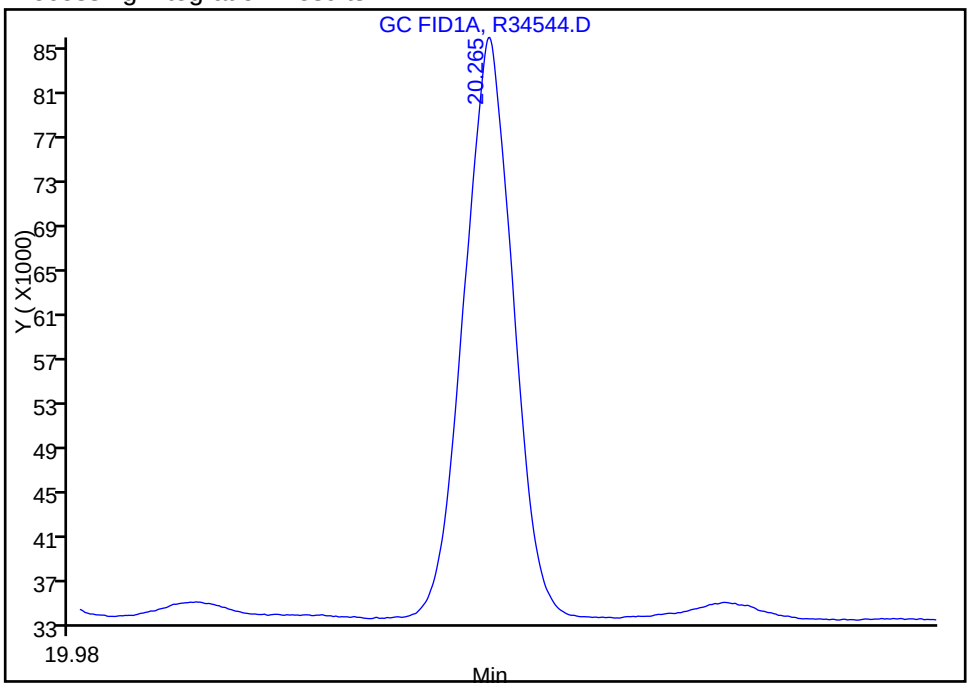
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.34, Det: GC FID1A

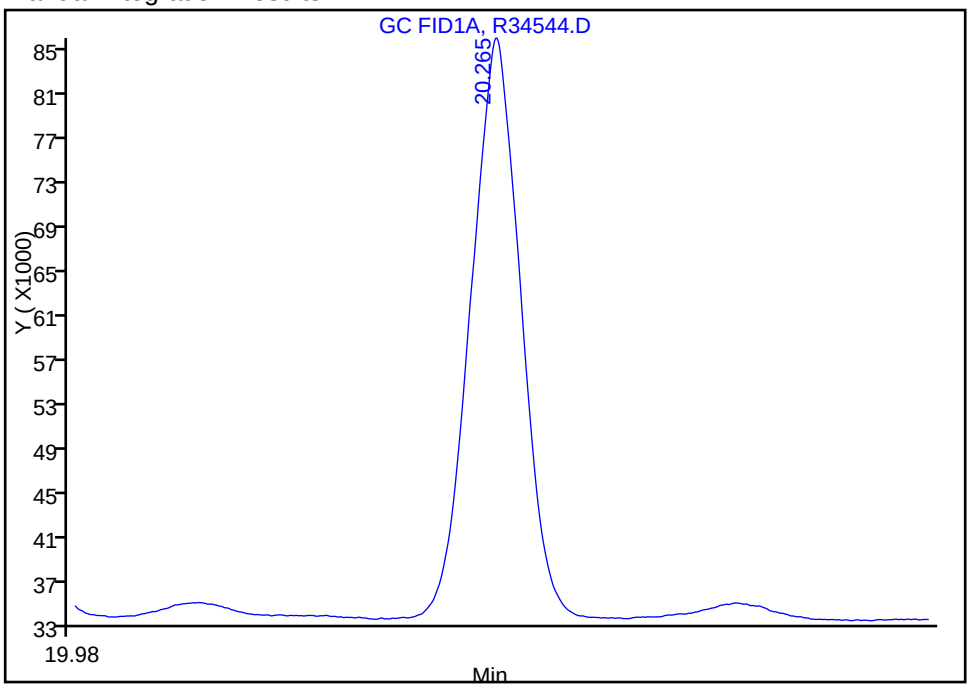
Processing Integration Results

RT: 20.27
Response: 127127
Amount: 0.629725



Manual Integration Results

RT: 20.27
Response: 119564
Amount: 0.562088



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34546.D		
Lims ID:	std1	Client ID:	
Inject. Date:	29-Nov-2010 18:48:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD1		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	66573	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.880	5.887	-0.007	200591	0.9201	
$ 2 2-Bromonaphthalene						
1	6.719	6.731	-0.012	134967	0.9205	
$ 3 o-Terphenyl						
1	10.277	10.294	-0.017	233426	0.9286	
$ 4 1-Chlorooctadecane						
2	13.165	13.175	-0.010	156136	0.9132	
5 n-Nonane						
2	2.928	2.931	-0.003	195138	0.9799	
6 n-Decane						
2	3.704	3.710	-0.006	194091	0.9749	
7 Naphthalene						
1	4.654	4.661	-0.007	237792	0.9259	
9 Dodecane						
2	5.236	5.240	-0.004	196902	1.00	
8 2-Methylnaphthalene						
1	5.413	5.421	-0.008	232286	0.9323	
11 Acenaphthylene						
1	6.534	6.546	-0.012	227434	0.9324	
15 n-Tetradecane						
2	6.768	6.771	-0.003	196735	0.9585	
12 Acenaphthene						
1	6.806	6.822	-0.016	235095	0.9449	
14 Fluorene						
1	7.603	7.620	-0.017	225058	0.9089	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.560	8.566	-0.006	201011	1.00	
16 Phenanthrene						
1	9.325	9.347	-0.022	220646	0.9303	
17 Anthracene						
1	9.409	9.436	-0.027	218247	0.9308	
20 n-Octadecane						
2	10.474	10.483	-0.009	193544	0.9660	
22 C19						
2	11.422	11.434	-0.012	189745	0.9655	
19 Fluoranthene						
1	11.786	11.817	-0.031	214586	0.9260	
21 Pyrene						
1	12.240	12.274	-0.034	221315	0.9245	
23 icosane						
2	12.352	12.363	-0.011	188069	1.00	
27 n-Docosane						
2	14.126	14.141	-0.015	185694	1.03	
24 Benzo[a]anthracene						
1	14.947	14.977	-0.030	187432	0.8651	
25 Chrysene						
1	15.030	15.074	-0.044	216041	0.9812	
28 n-Tetracosane						
2	15.781	15.796	-0.015	205081	1.07	
29 Benzo[b]fluoranthene						
1	17.240	17.283	-0.043	207733	1.08	
32 n-Hexacosane						
2	17.319	17.338	-0.019	221516	1.10	
30 Benzo[k]fluoranthene						
1	17.289	17.346	-0.057	220252	1.01	
31 Benzo[a]pyrene						
1	17.850	17.900	-0.050	214334	0.9703	
35 n-Octacosane						
2	18.755	18.771	-0.016	231836	1.11	
33 Indeno[1,2,3-cd]pyrene						
1	19.864	19.924	-0.060	210029	0.9459	
34 Dibenz(a,h)anthracene						
1	19.939	19.994	-0.055	200297	1.03	
37 Triacontane						
2	20.090	20.112	-0.022	232852	1.11	
36 Benzo[g,h,i]perylene						
1	20.265	20.341	-0.076	209049	0.9828	
38 n-Hexatriacontane						
2	24.080	24.110	-0.030	178680	0.99	
S 42 C11-C22 Aromatics (Adjusted)						
1					-14.2	
2					0	

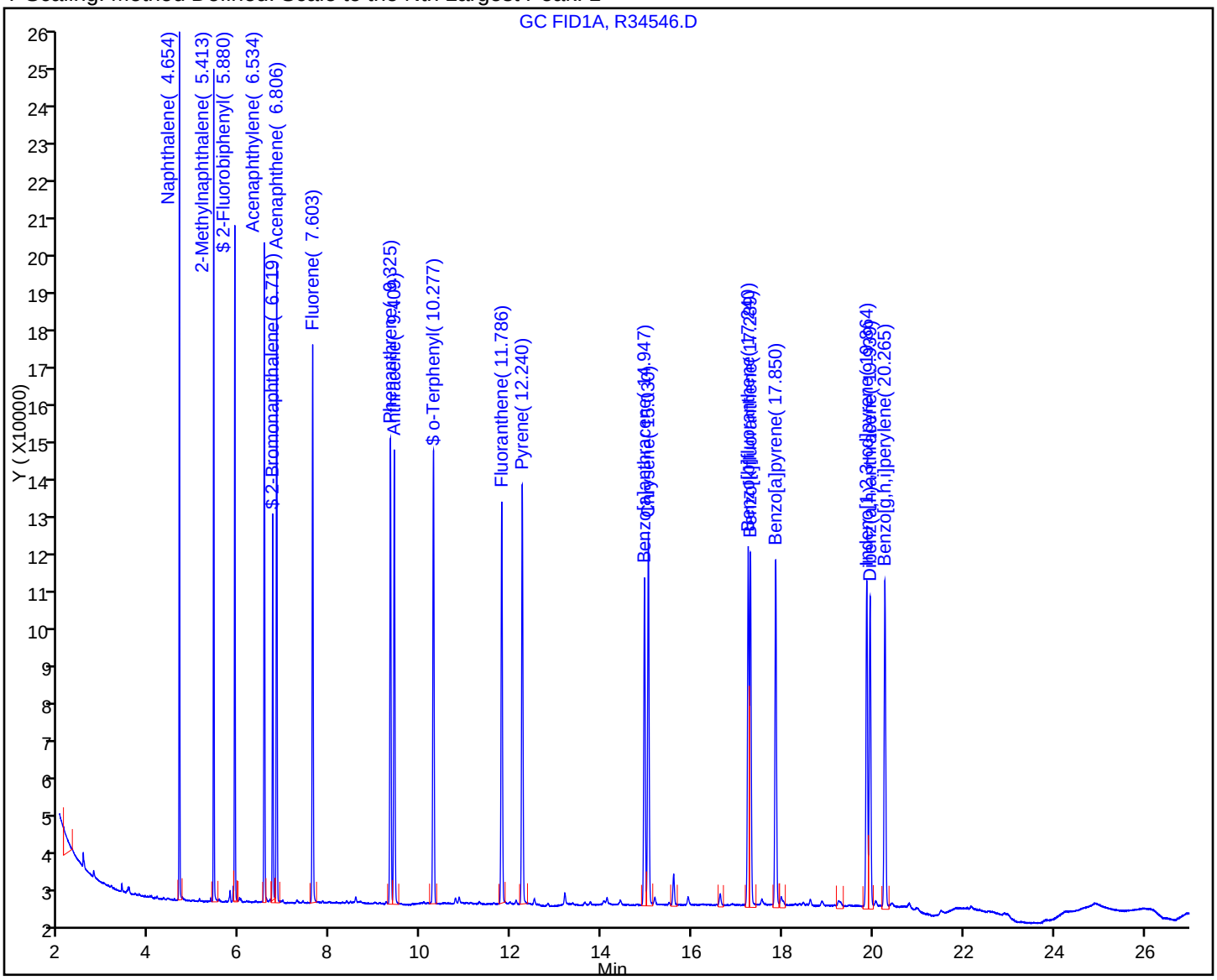
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
1					-14.2	
S 44 EPH Adjustment 1						
1					14.2	

Report Date: 02-Dec-2010 10:18:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34546.D

Injection Date:	29-Nov-2010 18:48:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	4
Operator ID:	SS	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\20101202-4253.b\R34548.D		
Lims ID:	std5	Client ID:	
Inject. Date:	29-Nov-2010 19:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD5		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	66573	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.881	5.887	-0.006	1051779	4.82	
$ 2 2-Bromonaphthalene						
1	6.721	6.731	-0.010	720567	4.91	
$ 3 o-Terphenyl						
1	10.277	10.294	-0.017	1240694	4.94	
$ 4 1-Chlorooctadecane						M
2	13.165	13.175	-0.010	754163	4.96	M
5 n-Nonane						
2	2.927	2.931	-0.004	947836	4.76	
6 n-Decane						
2	3.704	3.710	-0.006	957527	4.81	
7 Naphthalene						
1	4.654	4.661	-0.007	1246055	4.85	
9 Dodecane						
2	5.236	5.240	-0.004	964189	4.88	
8 2-Methylnaphthalene						
1	5.414	5.421	-0.007	1213750	4.87	
11 Acenaphthylene						
1	6.535	6.546	-0.011	1194903	4.90	
15 n-Tetradecane						
2	6.766	6.771	-0.005	941430	4.59	
12 Acenaphthene						
1	6.808	6.822	-0.014	1225651	4.93	
14 Fluorene						
1	7.605	7.620	-0.015	1191293	5.15	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.561	8.566	-0.005	932846	4.87	
16 Phenanthrene						
1	9.326	9.347	-0.021	1182287	4.99	
17 Anthracene						
1	9.412	9.436	-0.024	1145042	4.88	
20 n-Octadecane						
2	10.473	10.483	-0.010	912664	4.84	
22 C19						
2	11.423	11.434	-0.011	900456	4.58	
19 Fluoranthene						
1	11.789	11.817	-0.028	1149535	4.96	
21 Pyrene						
1	12.244	12.274	-0.030	1182284	4.94	
23 icosane						
2	12.351	12.363	-0.012	883154	4.70	
27 n-Docosane						
2	14.128	14.141	-0.013	856373	5.13	
24 Benzo[a]anthracene						
1	14.950	14.977	-0.027	1014478	5.51	
25 Chrysene						
1	15.034	15.074	-0.040	1134627	5.55	
28 n-Tetracosane						
2	15.782	15.796	-0.014	889814	5.04	
29 Benzo[b]fluoranthene						A
1	17.245	17.283	-0.038	1050549	4.82	A
32 n-Hexacosane						
2	17.321	17.338	-0.017	910730	4.98	
30 Benzo[k]fluoranthene						A
1	17.295	17.346	-0.051	1110504	5.48	A
31 Benzo[a]pyrene						
1	17.852	17.900	-0.048	1087939	4.93	
35 n-Octacosane						
2	18.751	18.771	-0.020	933772	4.96	
33 Indeno[1,2,3-cd]pyrene						
1	19.869	19.924	-0.055	1038205	4.68	
34 Dibenz(a,h)anthracene						
1	19.942	19.994	-0.052	993895	5.51	
37 Triacontane						
2	20.090	20.112	-0.022	962032	4.99	
36 Benzo[g,h,i]perylene						
1	20.274	20.341	-0.067	1023552	4.81	
38 n-Hexatriacontane						M
2	24.074	24.110	-0.036	862378	4.80	M
A 39 C9-C18 Aliphatics						
2	6.700	2.827 - 10.573		10984955	25.7	
A 40 C11-C22 Aromatics						
1	12.609	4.554 - 20.665		20661493	91.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.573	-24.317	11684756	36.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					15.6	
2					0	
S 43 Total EPH						
1					77.8	
S 44 EPH Adjustment 1						
1					75.6	

QC Flag Legend

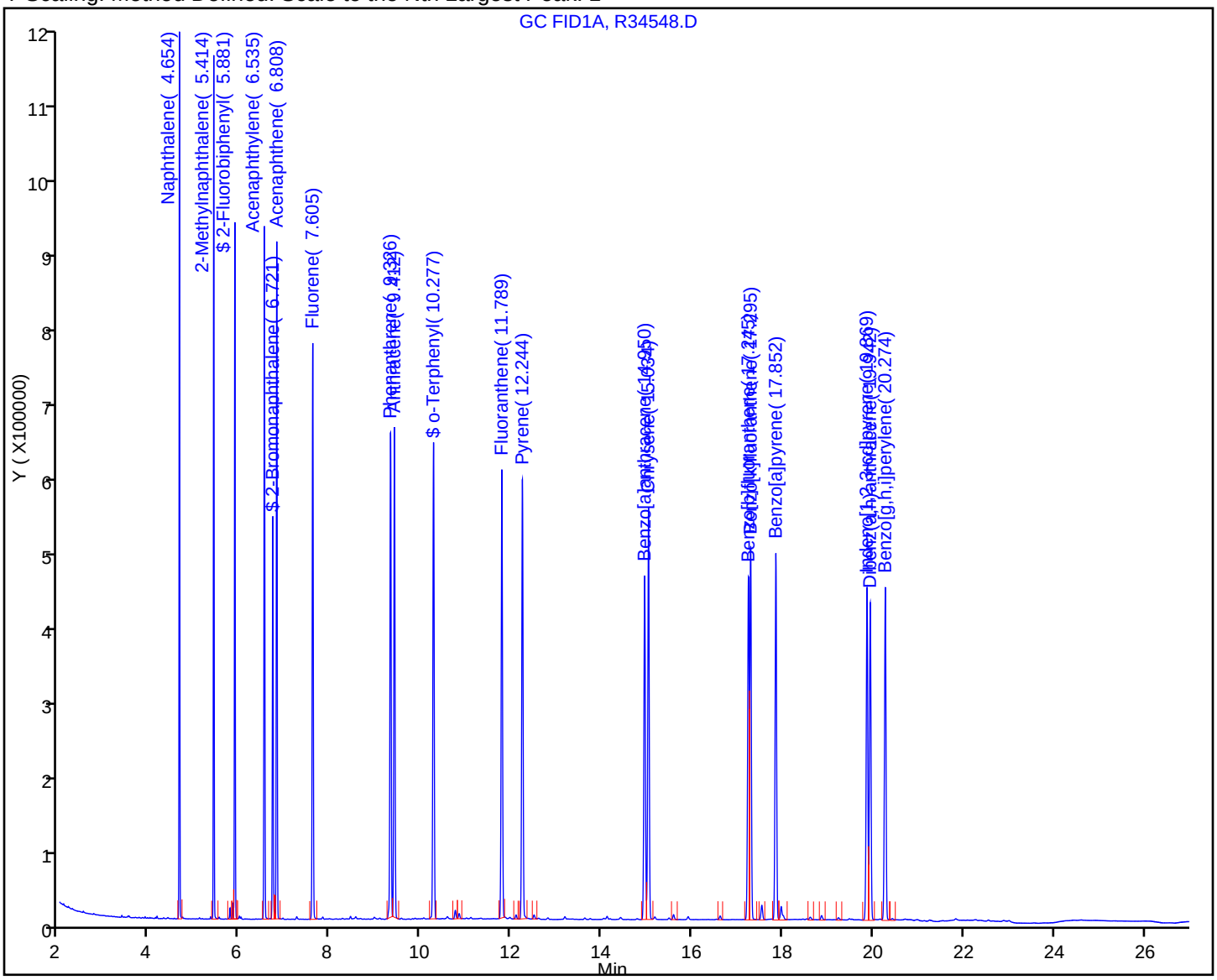
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34548.D

Injection Date:	29-Nov-2010 19:22:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



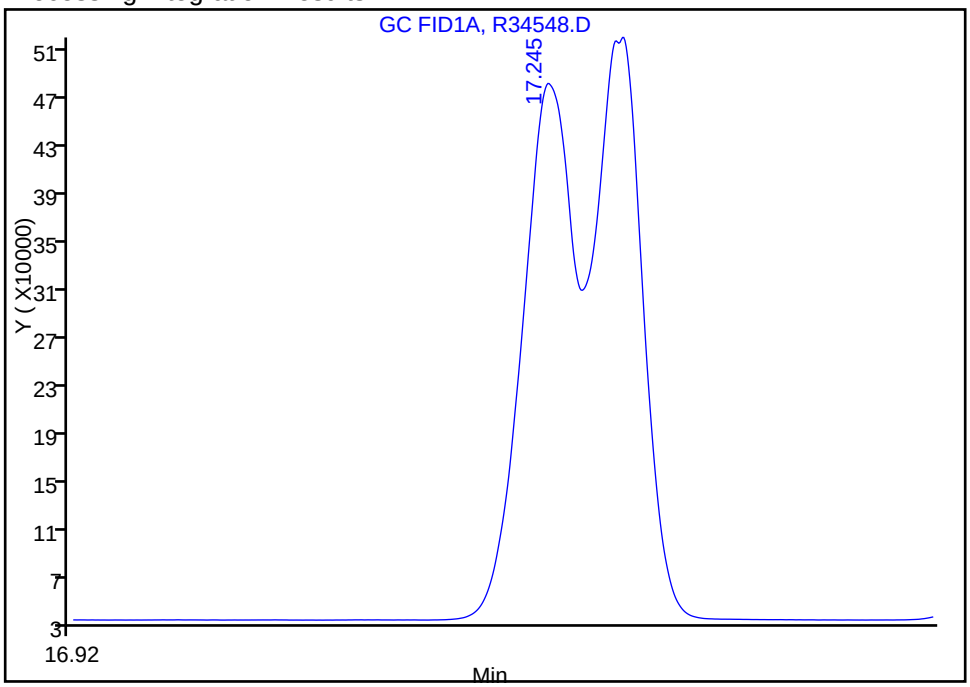
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34548.D		
Injection Date:	29-Nov-2010 19:22:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.35, Det: GC FID1A

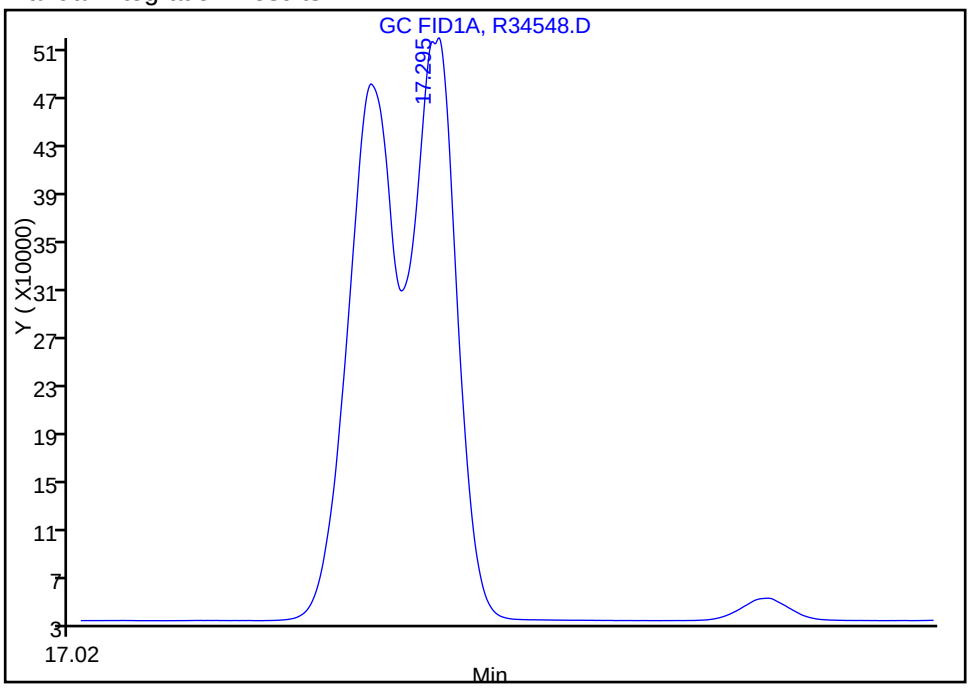
Processing Integration Results

RT: 17.24
Response: 1050549
Amount: 5.151483



Manual Integration Results

RT: 17.29
Response: 1110504
Amount: 5.482887



Reviewer: sadowskis, 02-Dec-2010 09:54:08
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

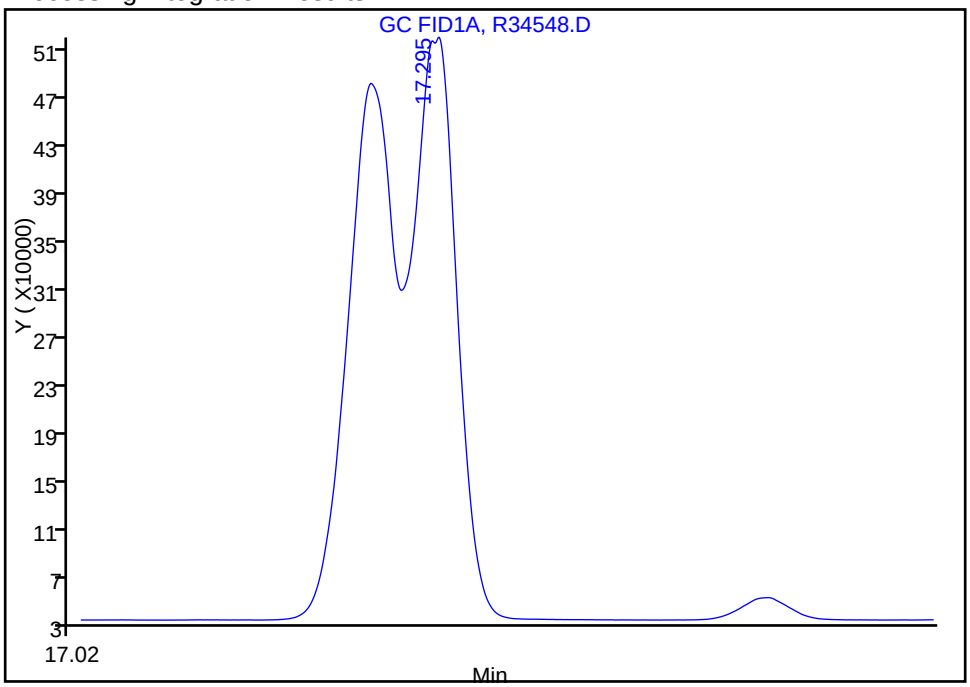
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34548.D		
Injection Date:	29-Nov-2010 19:22:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.28, Det: GC FID1A

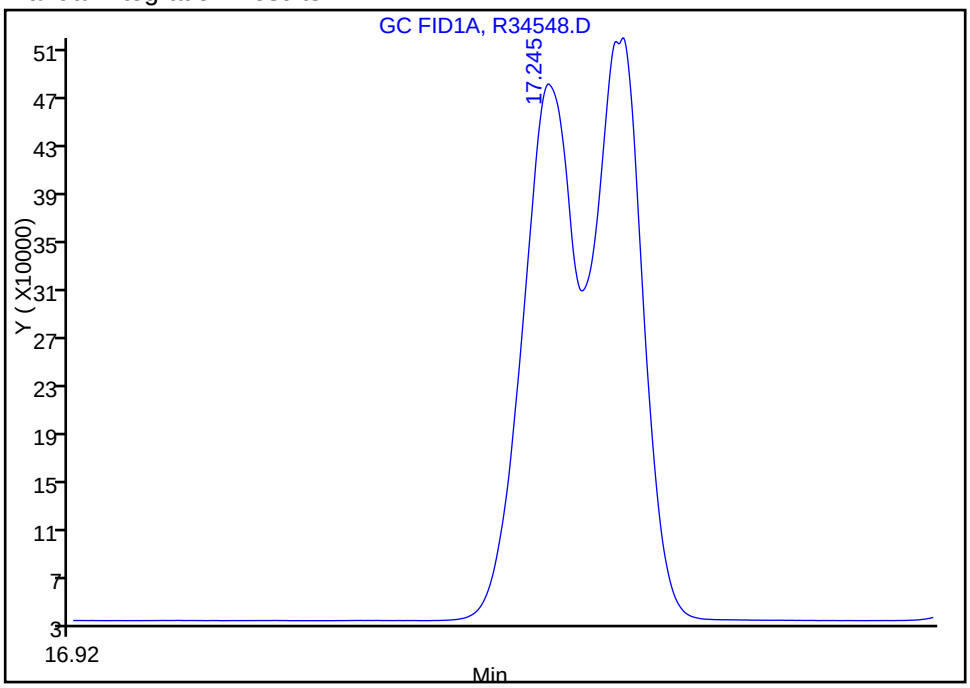
Processing Integration Results

RT: 17.29
Response: 1110504
Amount: 5.040141



Manual Integration Results

RT: 17.24
Response: 1050549
Amount: 4.824037



Reviewer: sadowskis, 02-Dec-2010 09:54:08
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34550.D		
Lims ID:	std10	Client ID:	
Inject. Date:	29-Nov-2010 19:56:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD10		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	66573	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.881	5.887	-0.006	2035128	9.34	
$ 2 2-Bromonaphthalene						
1	6.721	6.731	-0.010	1391843	9.49	
$ 3 o-Terphenyl						
1	10.279	10.294	-0.015	2350749	9.35	
$ 4 1-Chlorooctadecane						
2	13.166	13.175	-0.009	1794877	12.0	
5 n-Nonane						
2	2.927	2.931	-0.004	2206305	11.1	
6 n-Decane						
2	3.704	3.710	-0.006	2235337	11.2	
7 Naphthalene						
1	4.655	4.661	-0.006	2404520	9.36	
9 Dodecane						
2	5.235	5.240	-0.005	2260646	11.4	
8 2-Methylnaphthalene						
1	5.415	5.421	-0.006	2341521	9.40	
11 Acenaphthylene						
1	6.535	6.546	-0.011	2301647	9.44	
15 n-Tetradecane						
2	6.766	6.771	-0.005	2204066	10.7	
12 Acenaphthene						
1	6.809	6.822	-0.013	2366380	9.51	
14 Fluorene						
1	7.605	7.620	-0.015	2275932	9.92	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.561	8.566	-0.005	2173574	11.4	
16 Phenanthrene						
1	9.328	9.347	-0.019	2227362	9.39	
17 Anthracene						
1	9.414	9.436	-0.022	2169697	9.25	
20 n-Octadecane						
2	10.474	10.483	-0.009	2136947	11.4	
22 C19						
2	11.424	11.434	-0.010	2122885	10.8	
19 Fluoranthene						
1	11.791	11.817	-0.026	2162933	9.33	
21 Pyrene						
1	12.246	12.274	-0.028	2196502	9.17	
23 icosane						
2	12.353	12.363	-0.010	2075682	11.1	
27 n-Docosane						
2	14.131	14.141	-0.010	1982954	12.0	
24 Benzo[a]anthracene						M
1	14.953	14.977	-0.024	1827835	10.1	M
25 Chrysene						
1	15.039	15.074	-0.035	2051504	10.1	
28 n-Tetracosane						
2	15.786	15.796	-0.010	2054191	11.8	
29 Benzo[b]fluoranthene						
1	17.255	17.283	-0.028	1947235	8.86	
32 n-Hexacosane						
2	17.324	17.338	-0.014	2094576	11.7	
30 Benzo[k]fluoranthene						
1	17.301	17.346	-0.045	1941022	9.66	
31 Benzo[a]pyrene						
1	17.860	17.900	-0.040	1973304	8.93	
35 n-Octacosane						
2	18.755	18.771	-0.016	2143308	11.6	
33 Indeno[1,2,3-cd]pyrene						
1	19.878	19.924	-0.046	1945546	8.76	
34 Dibenz(a,h)anthracene						
1	19.947	19.994	-0.047	1847879	10.3	
37 Triacontane						
2	20.094	20.112	-0.018	2207065	11.6	
36 Benzo[g,h,i]perylene						
1	20.283	20.341	-0.058	1926199	9.06	
38 n-Hexatriacontane						A
2	24.086	24.110	-0.024	1959478	10.9	A
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		19714840	70.6	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		37351403	164.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	21323828	89.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					23.3	
2					0	
S 43 Total EPH						
1					183.5	
S 44 EPH Adjustment 1						
1					141.5	

QC Flag Legend

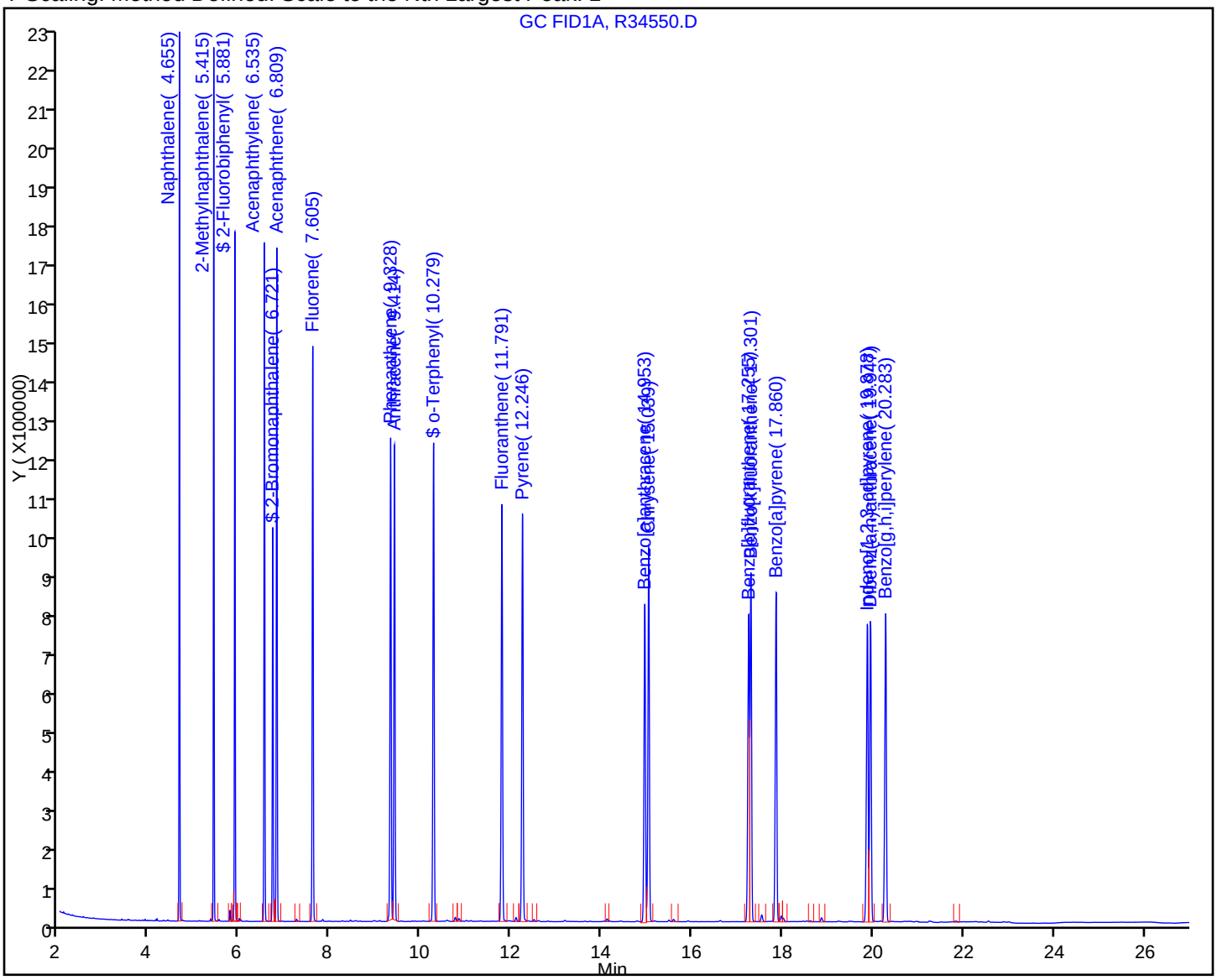
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34550.D

Injection Date:	29-Nov-2010 19:56:53	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	6
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 02-Dec-2010 10:19:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

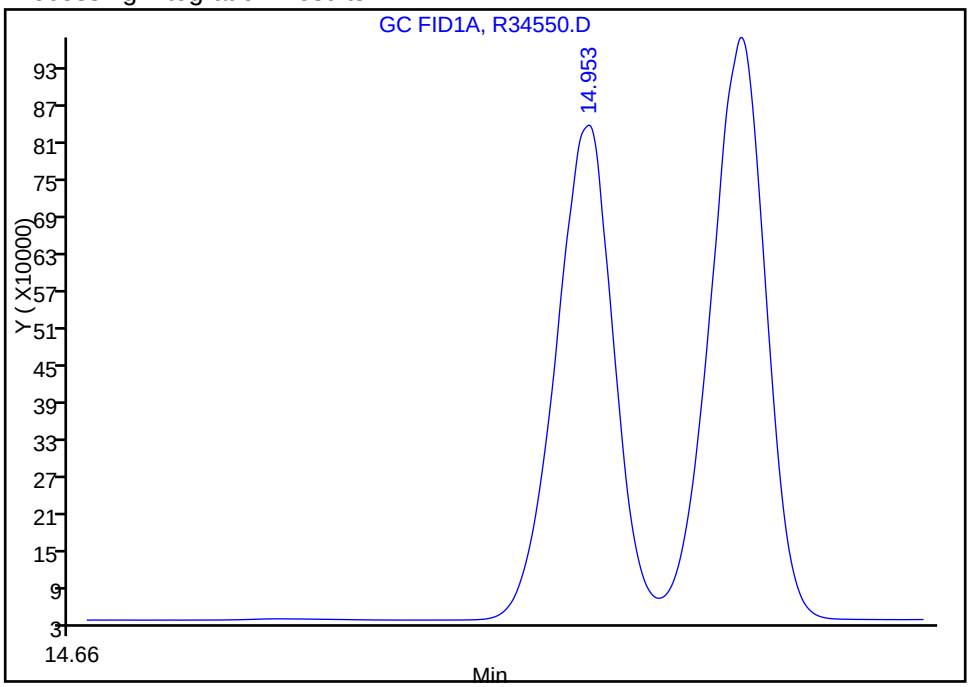
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34550.D		
Injection Date:	29-Nov-2010 19:56:53	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	6
Operator ID:	SS	Injection Vol:	1.00 ul

24 Benzo[a]anthracene, Signal: 1, Type: quant, RT: 14.98, Det: GC FID1A

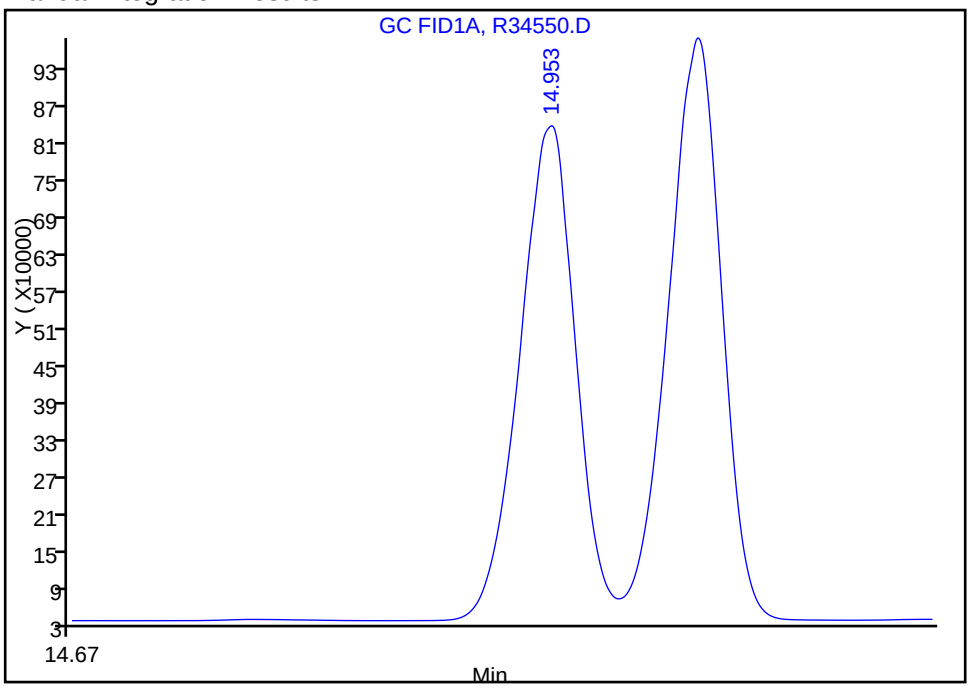
Processing Integration Results

RT: 14.95
Response: 1025899
Amount: 5.666481



Manual Integration Results

RT: 14.95
Response: 1827835
Amount: 10.086173



Reviewer: sadowskis, 02-Dec-2010 09:52:58
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Lims ID:	std25	Client ID:	
Inject. Date:	29-Nov-2010 20:31:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD25		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	66573	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.885	5.887	-0.002	5978164	27.4	
$ 2 2-Bromonaphthalene						
1	6.726	6.731	-0.005	4055516	27.7	
$ 3 o-Terphenyl						
1	10.286	10.294	-0.008	6963377	27.7	
$ 4 1-Chlorooctadecane						
2	13.169	13.175	-0.006	3833887	25.8	
5 n-Nonane						
2	2.929	2.931	-0.002	4740603	23.8	
6 n-Decane						
2	3.706	3.710	-0.004	4802585	24.1	
7 Naphthalene						
1	4.657	4.661	-0.004	7129251	27.8	
9 Dodecane						
2	5.237	5.240	-0.003	4838232	24.5	
8 2-Methylnaphthalene						
1	5.419	5.421	-0.002	6896520	27.7	
11 Acenaphthylene						
1	6.542	6.546	-0.004	6760094	27.7	
15 n-Tetradecane						
2	6.770	6.771	-0.001	4704133	22.9	
12 Acenaphthene						
1	6.815	6.822	-0.007	6938627	27.9	
14 Fluorene						
1	7.613	7.620	-0.007	6702297	29.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.563	8.566	-0.003	4639603	24.5	
16 Phenanthrene						A
1	9.339	9.347	-0.008	6606559	27.9	A
17 Anthracene						A
1	9.427	9.436	-0.009	6489778	27.7	A
20 n-Octadecane						
2	10.475	10.483	-0.008	4565153	24.5	
22 C19						
2	11.429	11.434	-0.005	4544955	23.1	
19 Fluoranthene						
1	11.805	11.817	-0.012	6541258	28.2	
21 Pyrene						
1	12.262	12.274	-0.012	6662001	27.8	
23 icosane						
2	12.359	12.363	-0.004	4444421	23.7	
27 n-Docosane						
2	14.135	14.141	-0.006	4011928	24.4	
24 Benzo[a]anthracene						A
1	14.967	14.977	-0.010	5592869	31.3	A
25 Chrysene						A
1	15.059	15.074	-0.015	6347952	31.5	A
28 n-Tetracosane						
2	15.791	15.796	-0.005	4244008	24.5	
29 Benzo[b]fluoranthene						A
1	17.272	17.283	-0.011	6055310	27.9	A
32 n-Hexacosane						
2	17.329	17.338	-0.009	4373956	24.5	
30 Benzo[k]fluoranthene						A
1	17.329	17.346	-0.017	6012358	30.1	A
31 Benzo[a]pyrene						A
1	17.884	17.900	-0.016	6131700	27.8	A
35 n-Octacosane						
2	18.763	18.771	-0.008	4521173	24.7	
33 Indeno[1,2,3-cd]pyrene						A
1	19.903	19.924	-0.021	6097517	27.5	A
34 Dibenz(a,h)anthracene						A
1	19.973	19.994	-0.021	5553327	31.2	A
37 Triacontane						
2	20.103	20.112	-0.009	4679760	24.8	
36 Benzo[g,h,i]perylene						A
1	20.315	20.341	-0.026	5896258	27.7	A
38 n-Hexatriacontane						
2	24.094	24.110	-0.016	4216234	23.5	
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		34472709	146.6	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		110781354	488.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	39855565	191.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					60.5	
2					0	
S 43 Total EPH						
1					398.6	
S 44 EPH Adjustment 1						
1					428.2	

QC Flag Legend

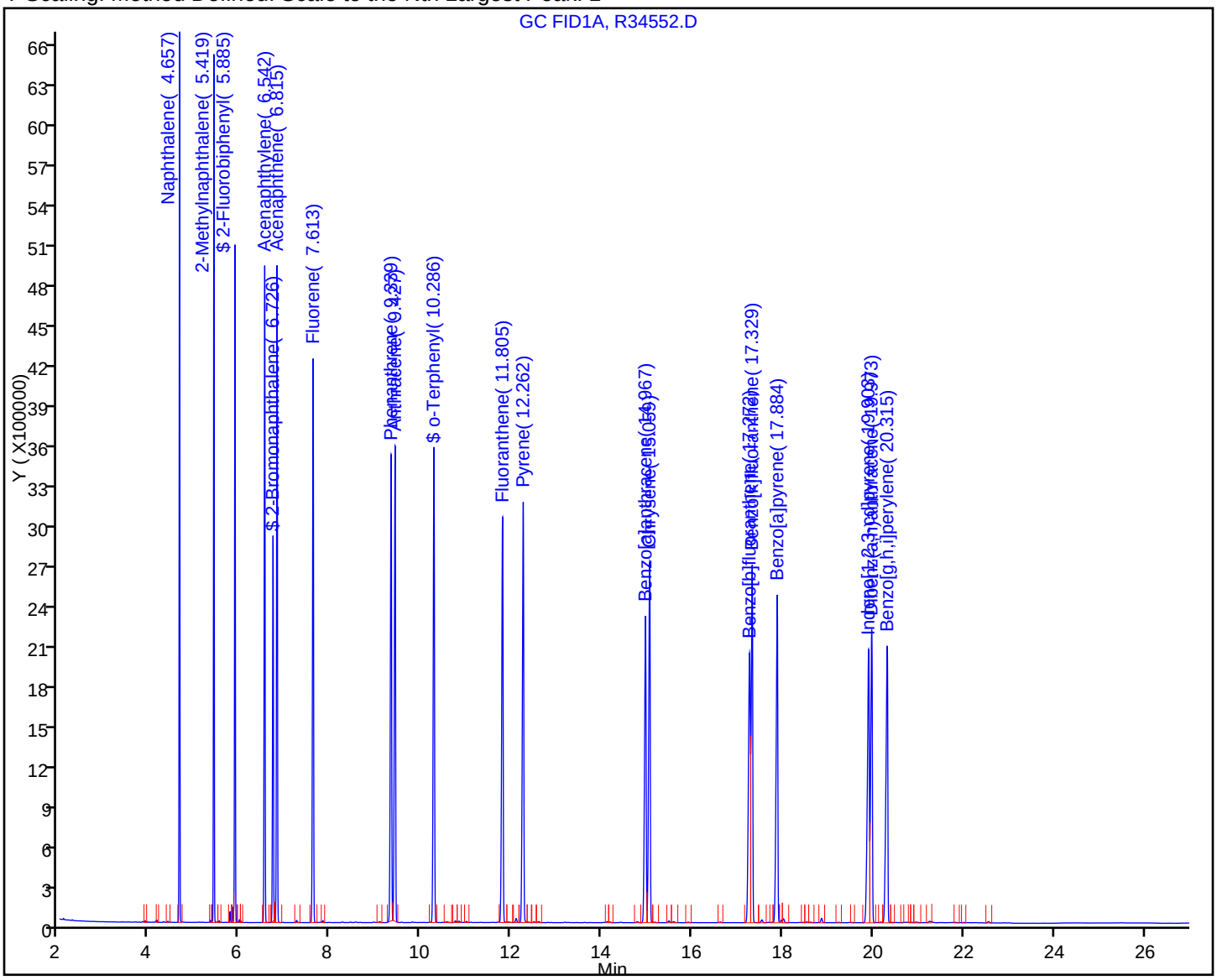
Review Flags
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D

Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



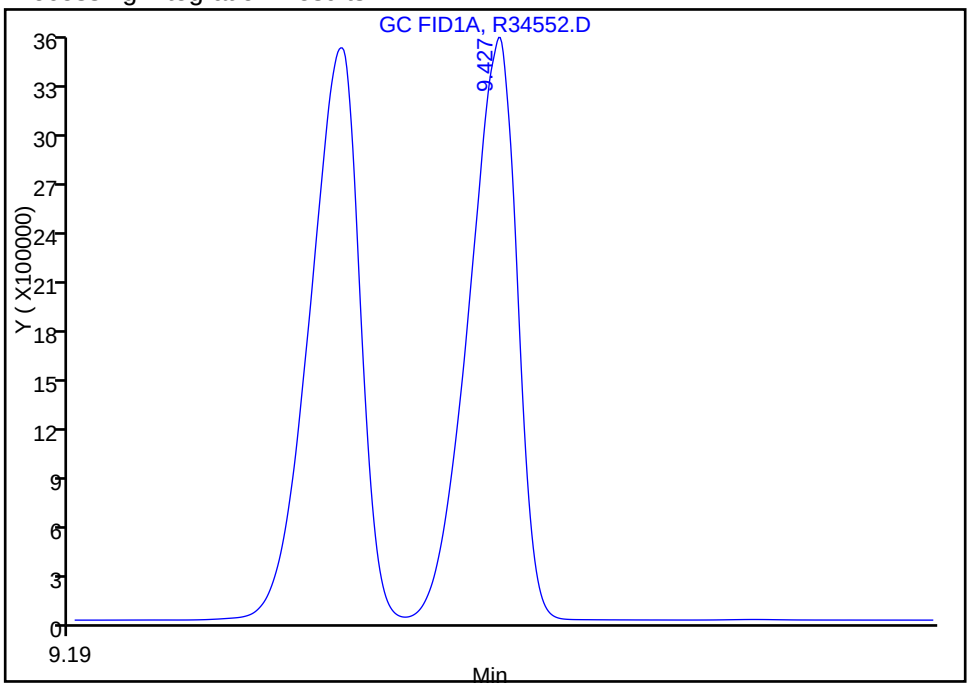
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

16 Phenanthrene, Signal: 1, Type: quant, RT: 9.35, Det: GC FID1A

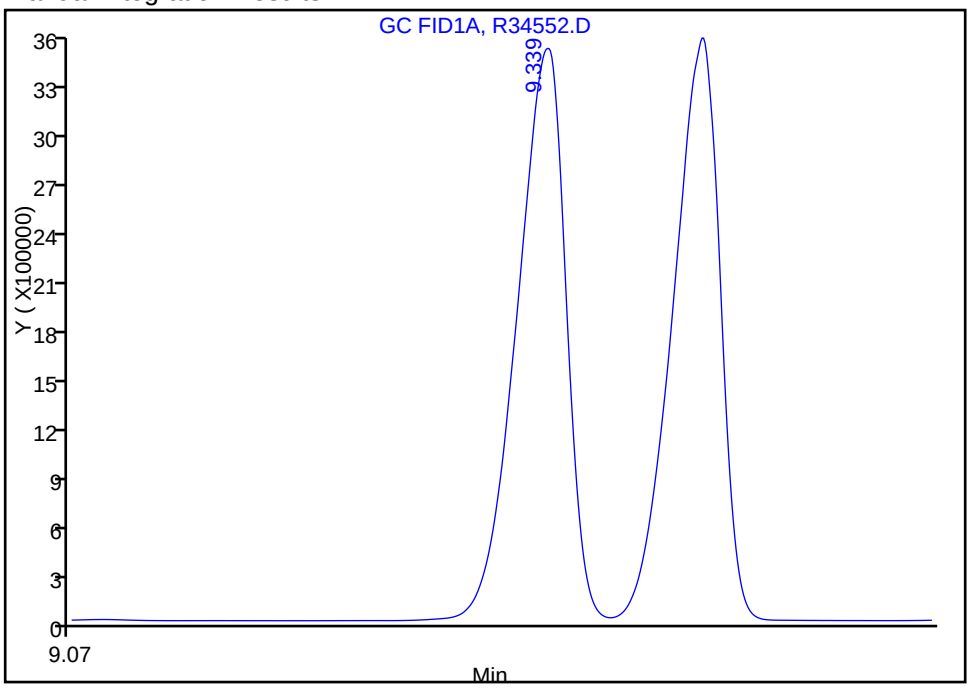
Processing Integration Results

RT: 9.43
Response: 6489778
Amount: 26.317512



Manual Integration Results

RT: 9.34
Response: 6606559
Amount: 27.856317



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

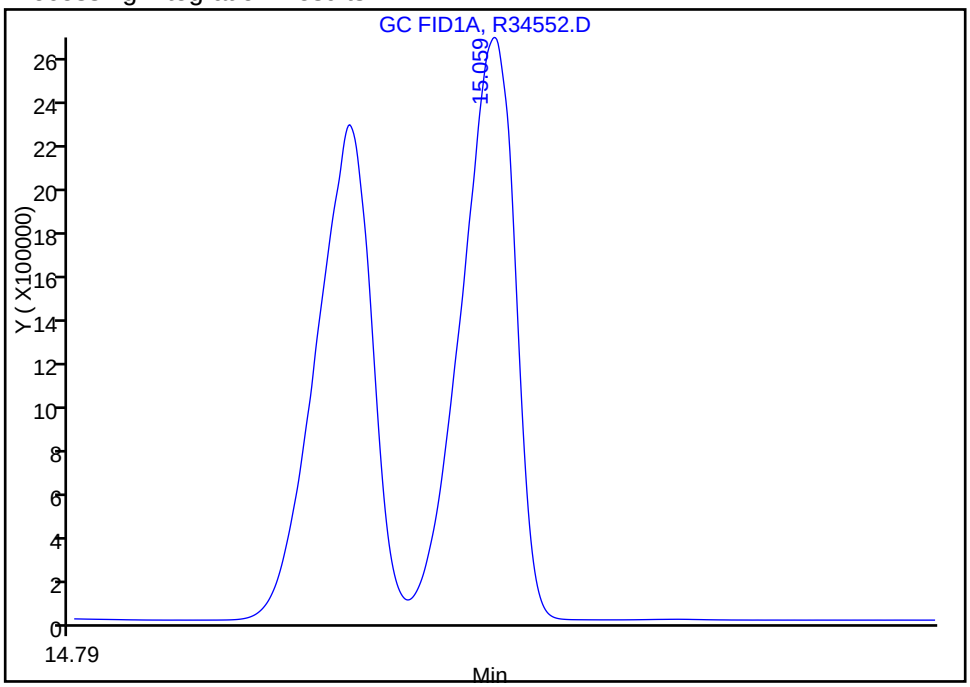
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

24 Benzo[a]anthracene, Signal: 1, Type: quant, RT: 14.98, Det: GC FID1A

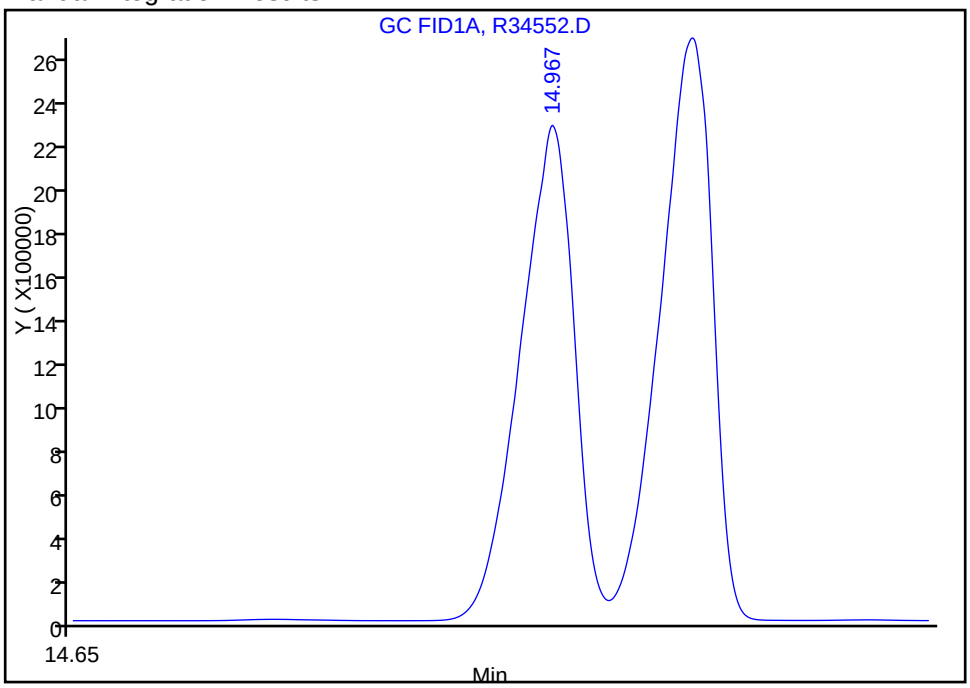
Processing Integration Results

RT: 15.06
Response: 6347952
Amount: 35.244663



Manual Integration Results

RT: 14.97
Response: 5592869
Amount: 31.250227



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

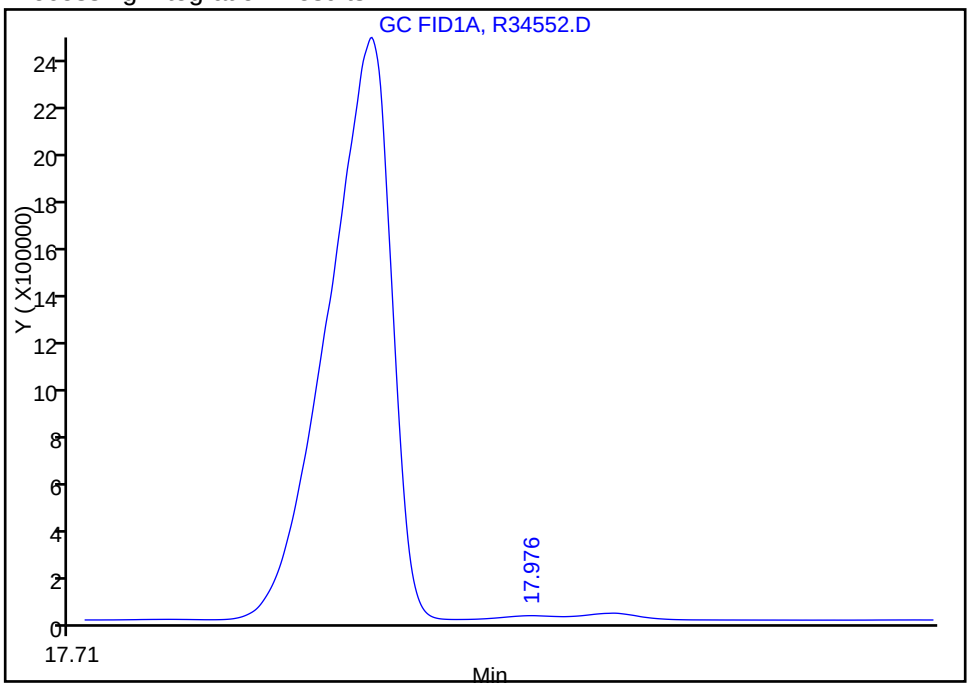
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 17.90, Det: GC FID1A

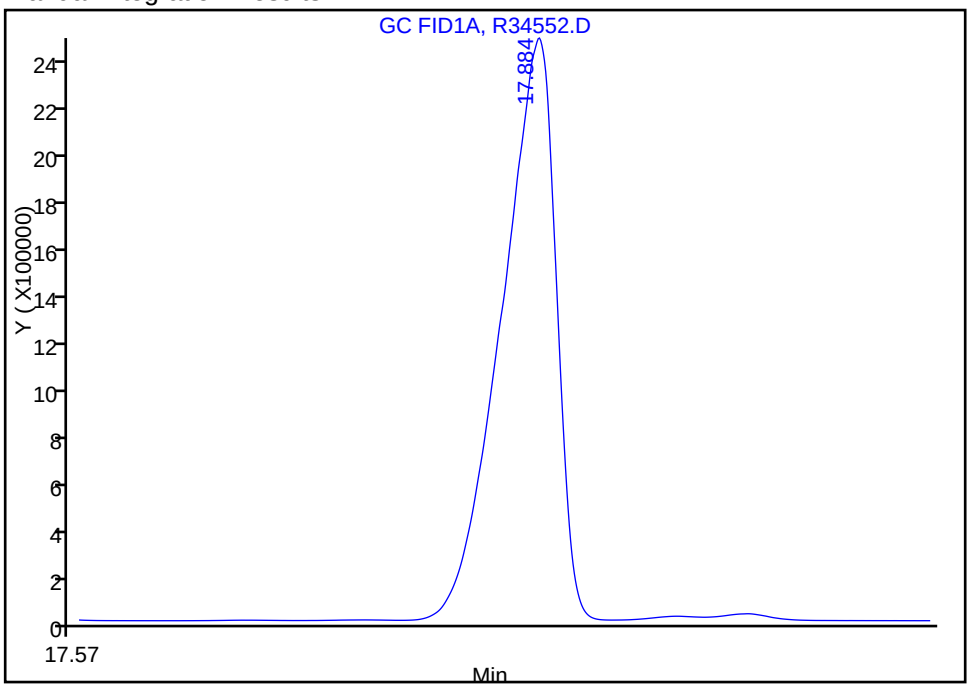
Processing Integration Results

RT: 17.98
Response: 45586
Amount: 0.230092



Manual Integration Results

RT: 17.88
Response: 6131700
Amount: 27.759086



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

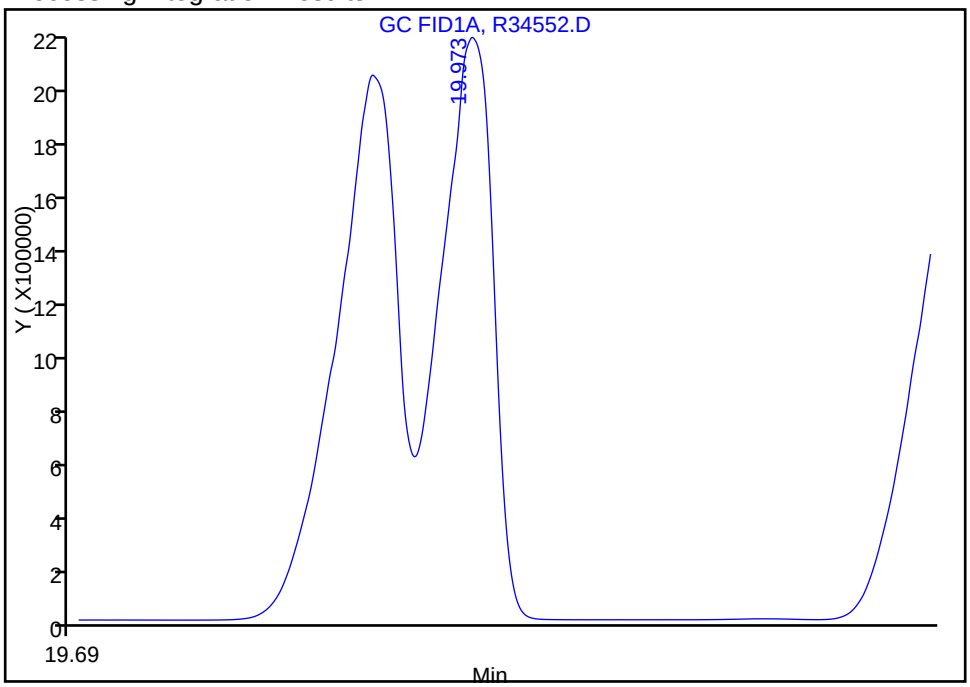
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

33 Indeno[1,2,3-cd]pyrene, Signal: 1, Type: quant, RT: 19.92, Det: GC FID1A

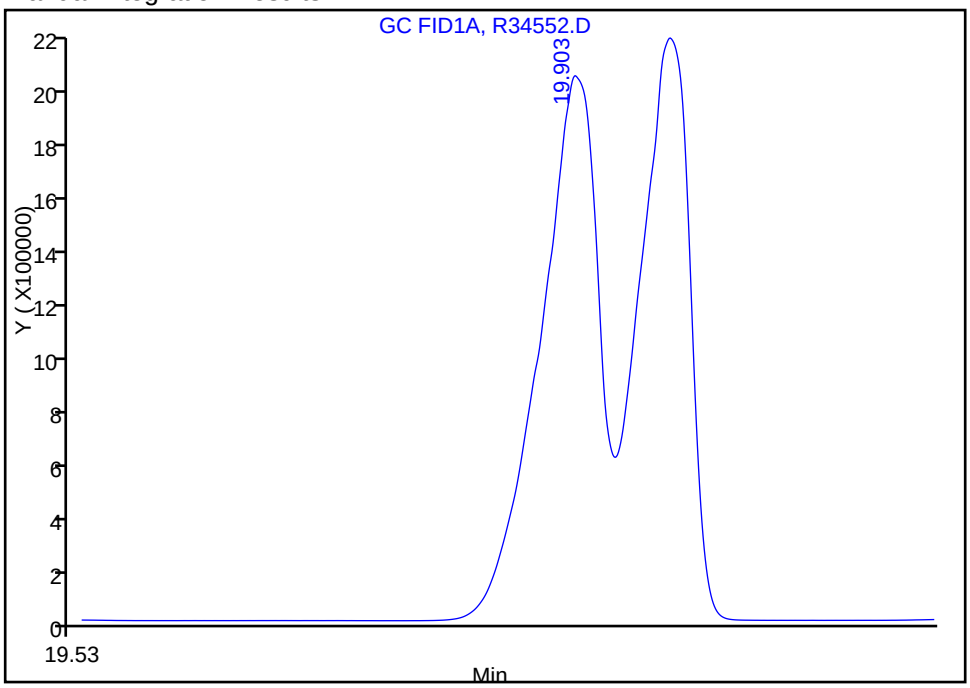
Processing Integration Results

RT: 19.97
Response: 5553327
Amount: 26.459062



Manual Integration Results

RT: 19.90
Response: 6097517
Amount: 27.462048



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

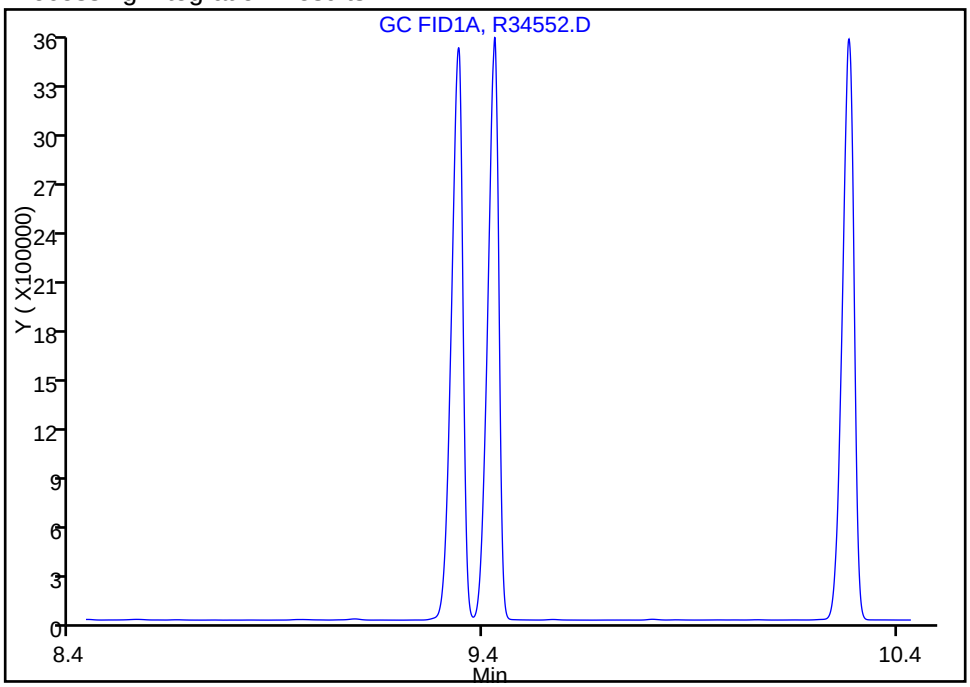
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

17 Anthracene, Signal: 1, Type: quant, RT: 9.44, Det: GC FID1A

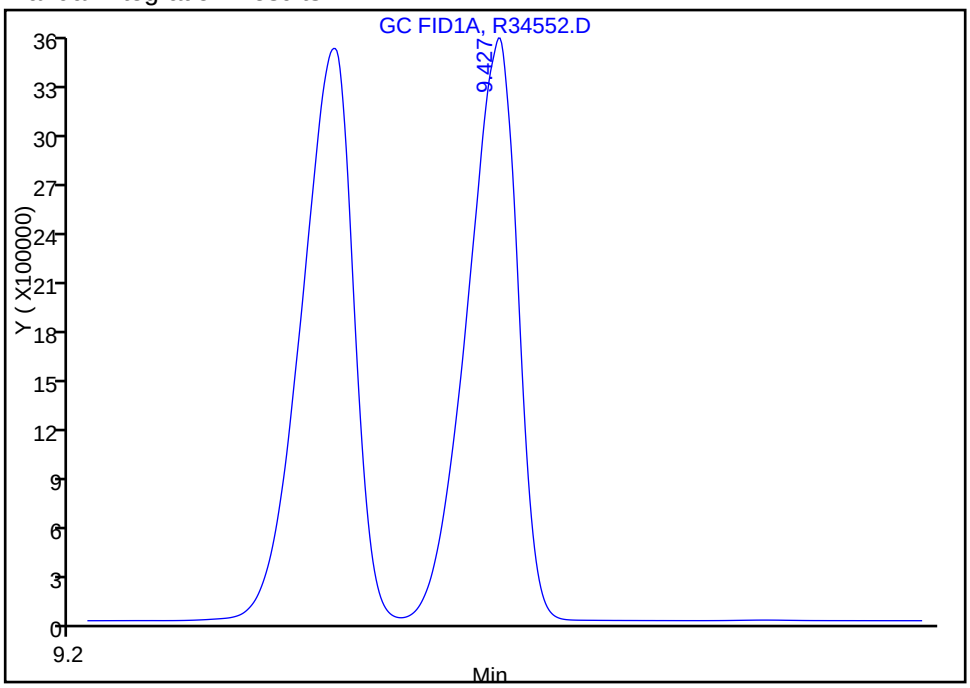
Not Detected
Expected RT: 9.44

Processing Integration Results



RT: 9.43
Response: 6489778
Amount: 27.677968

Manual Integration Results



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

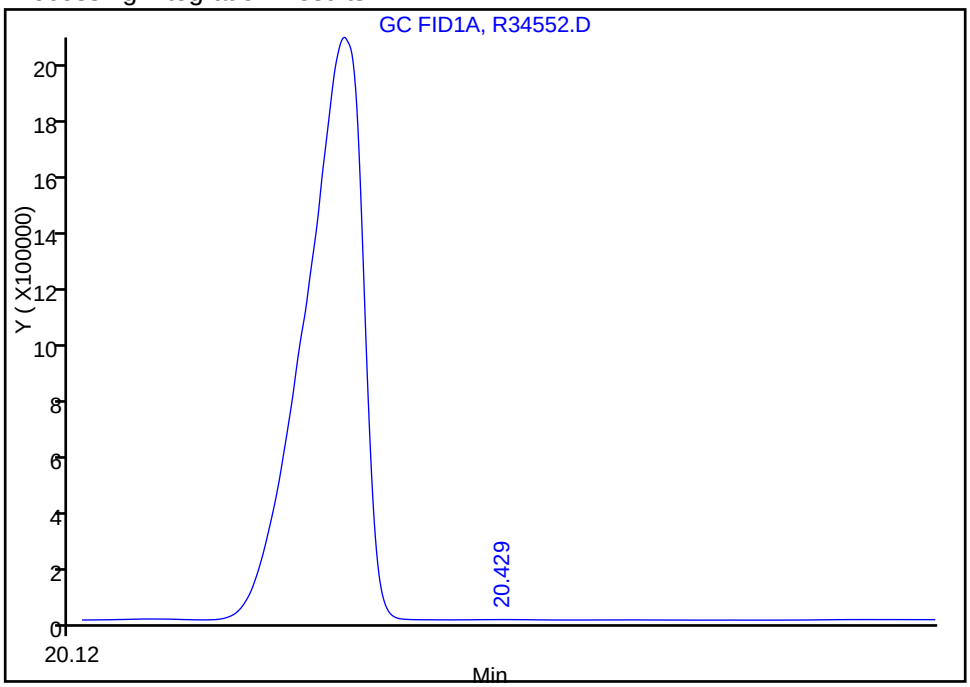
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.34, Det: GC FID1A

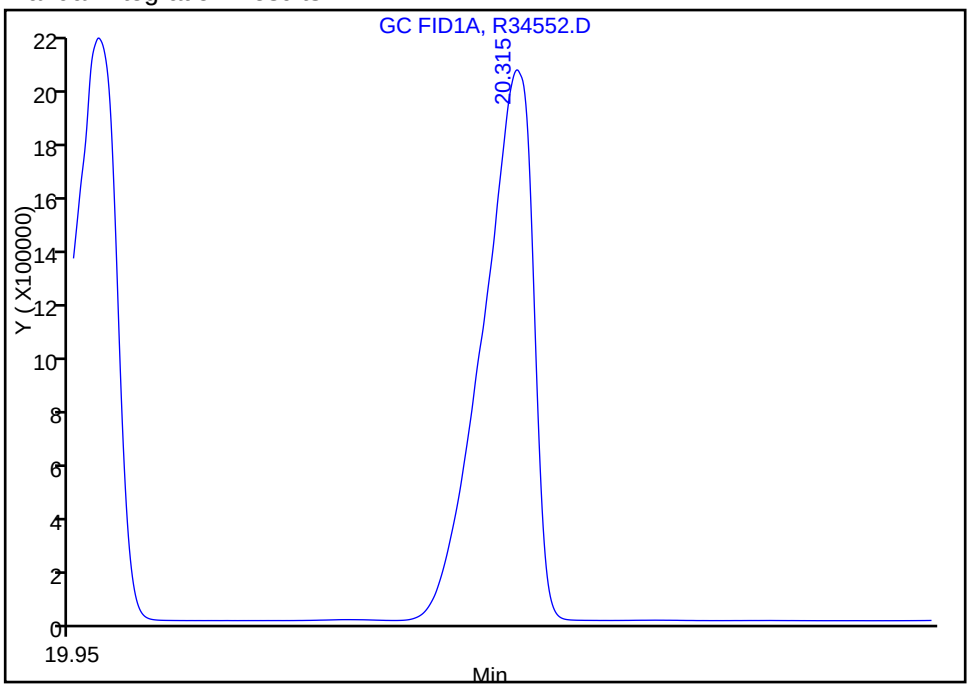
Processing Integration Results

RT: 20.43
Response: 14495
Amount: 0.082482



Manual Integration Results

RT: 20.32
Response: 5896258
Amount: 27.719183



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

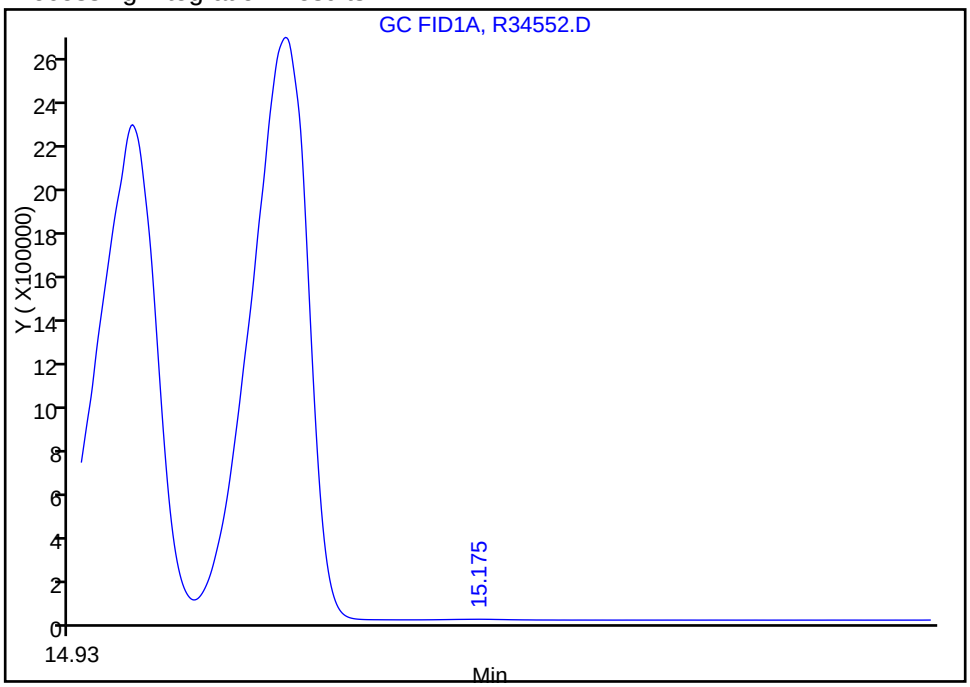
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

25 Chrysene, Signal: 1, Type: quant, RT: 15.07, Det: GC FID1A

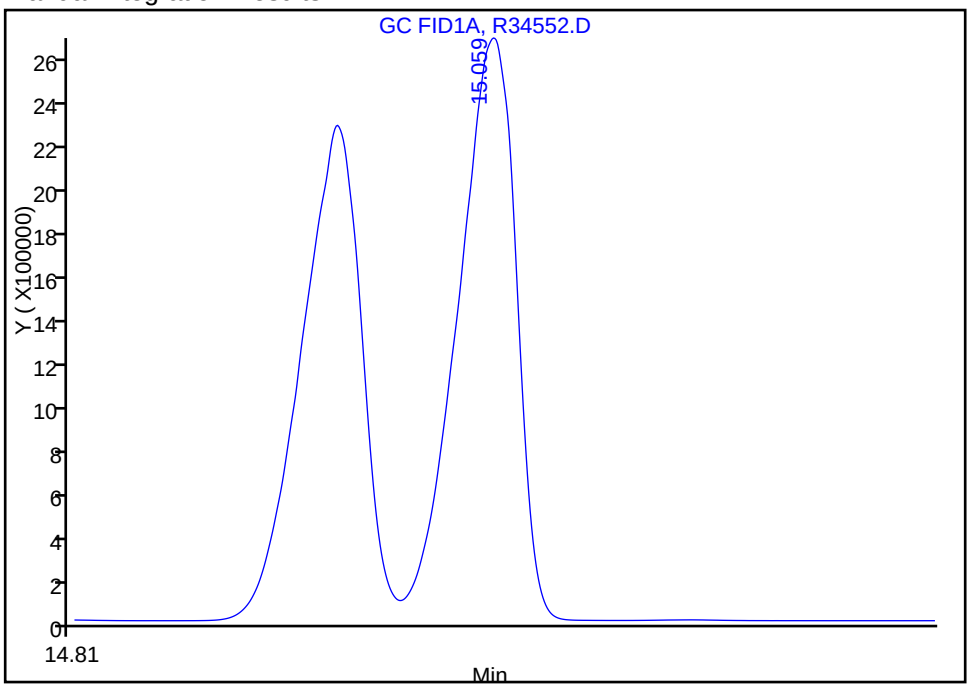
Processing Integration Results

RT: 15.18
Response: 11431
Amount: 0.056952



Manual Integration Results

RT: 15.06
Response: 6347952
Amount: 31.461887



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

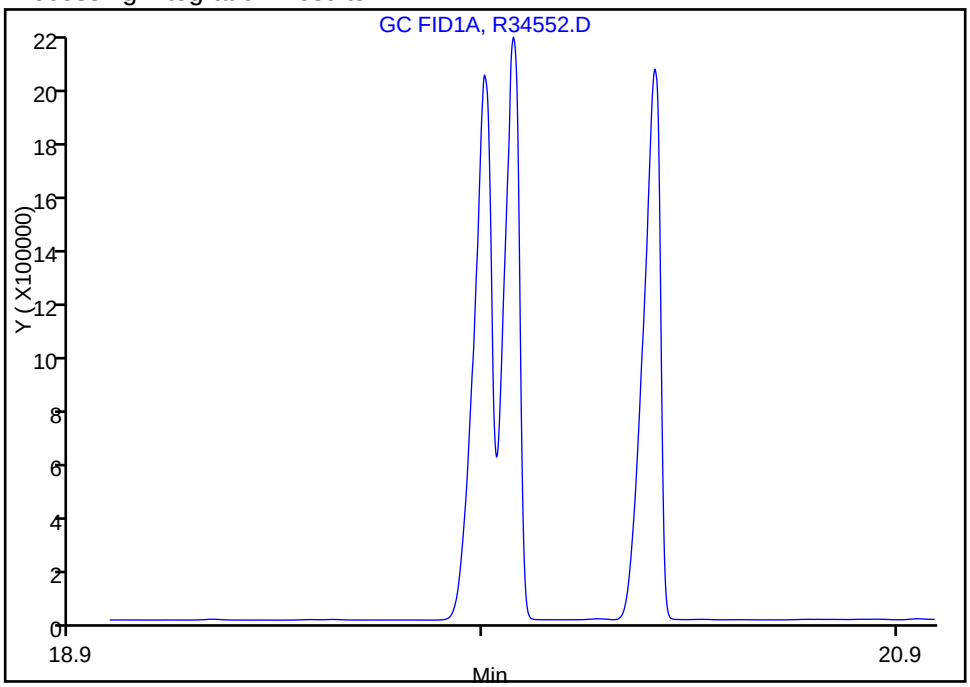
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 19.99, Det: GC FID1A

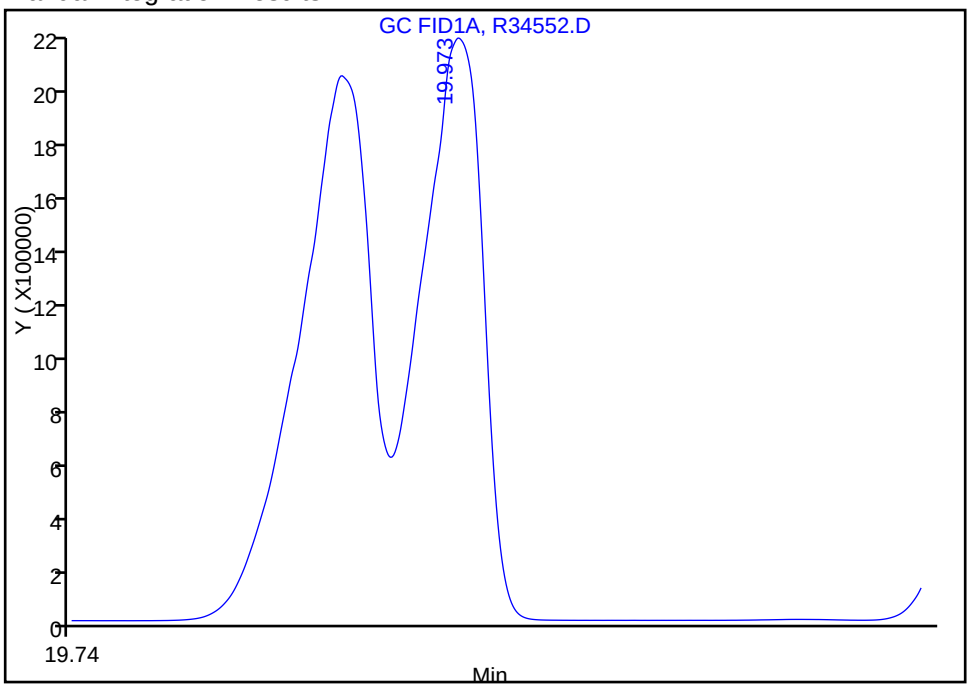
Not Detected
Expected RT: 19.99

Processing Integration Results



Manual Integration Results

RT: 19.97
Response: 5553327
Amount: 31.215479



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

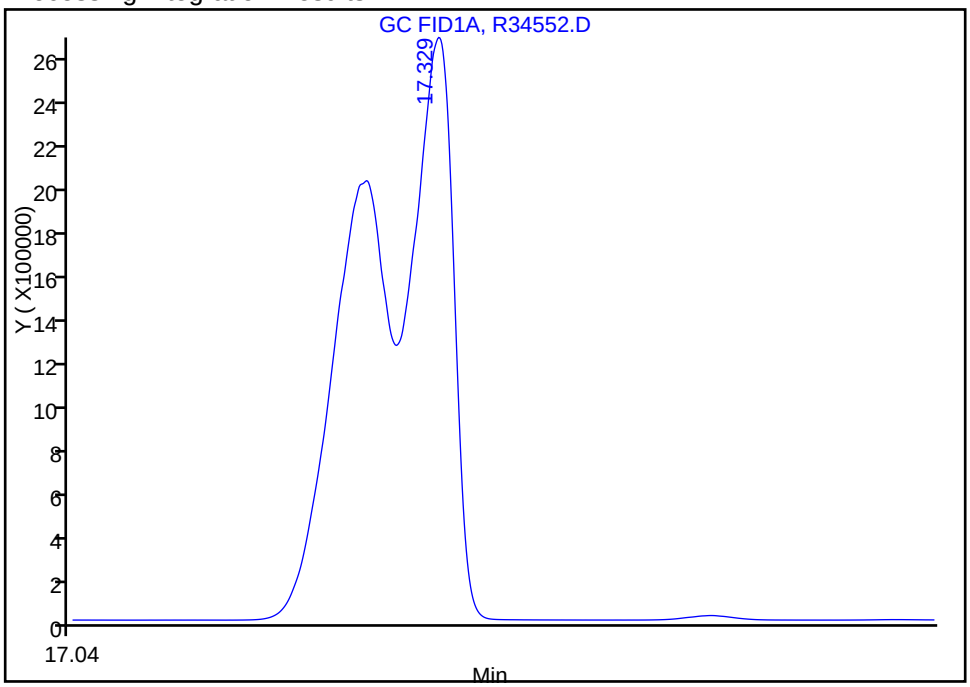
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.28, Det: GC FID1A

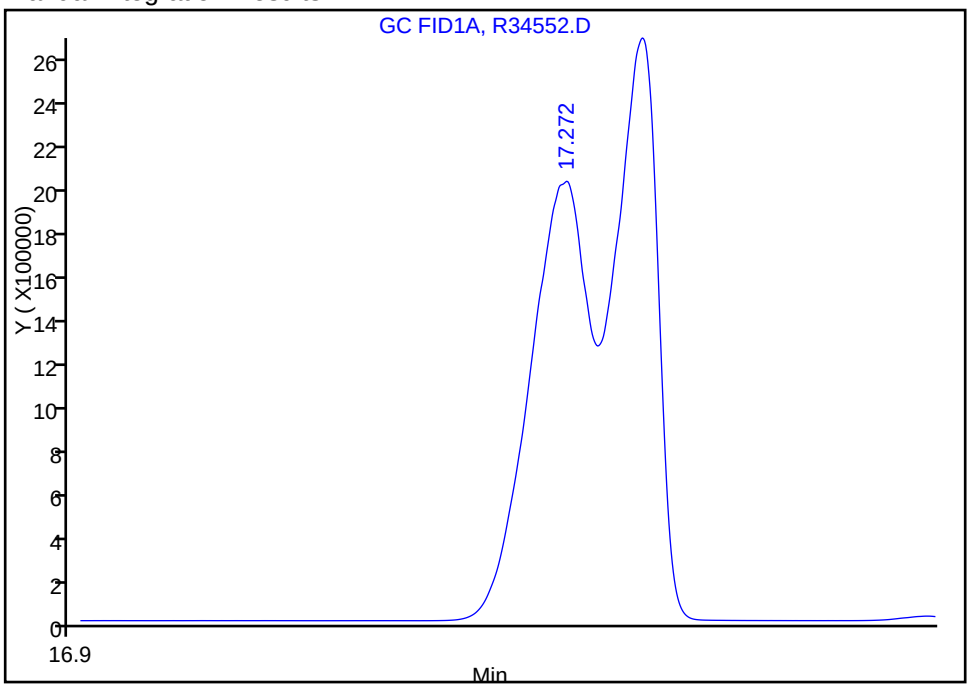
Processing Integration Results

RT: 17.33
Response: 6012358
Amount: 27.729701



Manual Integration Results

RT: 17.27
Response: 6055310
Amount: 27.931103



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

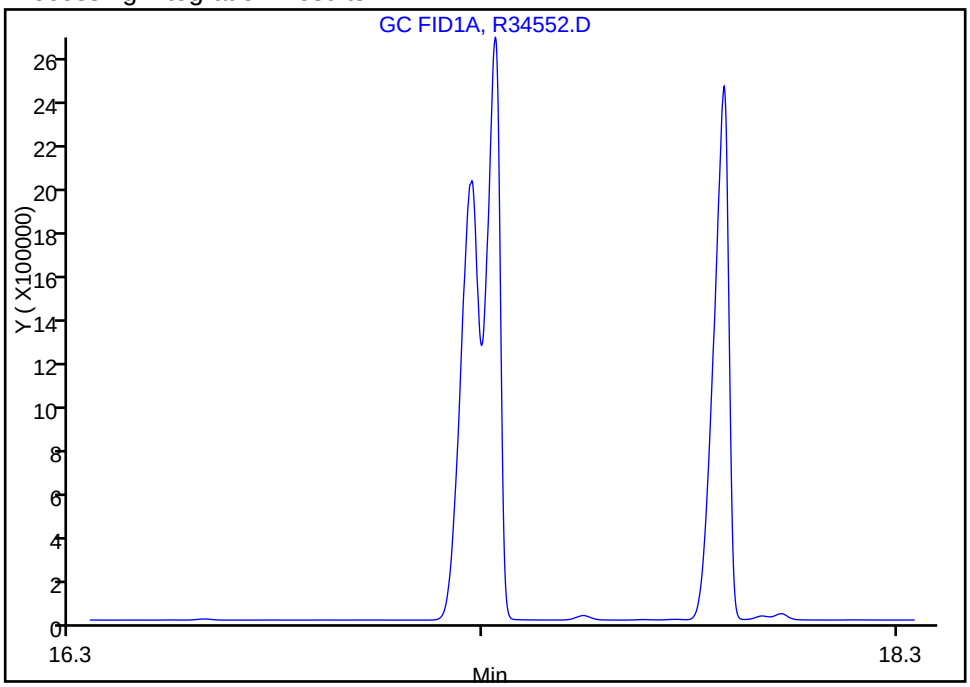
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.35, Det: GC FID1A

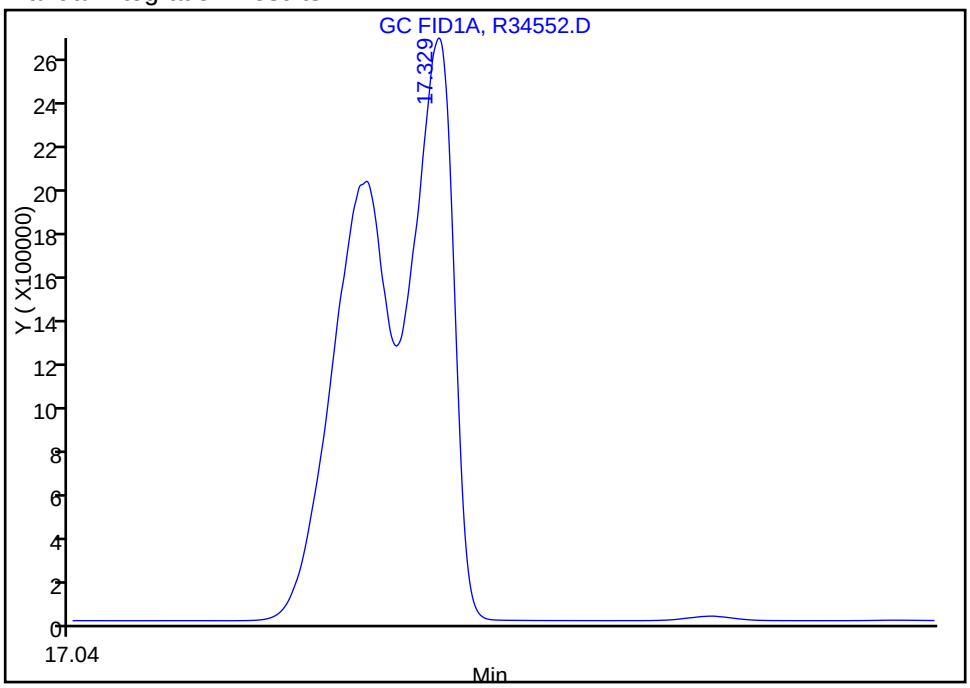
Not Detected
Expected RT: 17.35

Processing Integration Results



Manual Integration Results

RT: 17.33
Response: 6012358
Amount: 30.130749



Reviewer: sadowskis, 02-Dec-2010 09:51:56
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D		
Lims ID:	std100	Client ID:	
Inject. Date:	29-Nov-2010 21:05:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD100		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	66573	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.896	5.887	0.009	21318473	97.8	
$ 2 2-Bromonaphthalene						
1	6.744	6.731	0.013	14031564	95.7	
$ 3 o-Terphenyl						
1	10.308	10.294	0.014	23394241	93.1	
$ 4 1-Chlorooctadecane						
2	13.190	13.175	0.015	14620293	98.8	
5 n-Nonane						
2	2.937	2.931	0.006	20101674	100.9	
6 n-Decane						
2	3.718	3.710	0.008	20413851	102.5	
7 Naphthalene						
1	4.669	4.661	0.008	24865482	96.8	
9 Dodecane						
2	5.247	5.240	0.007	20490227	103.6	
8 2-Methylnaphthalene						
1	5.430	5.421	0.009	24046260	96.5	
11 Acenaphthylene						
1	6.559	6.546	0.013	23524150	96.4	
15 n-Tetradecane						
2	6.780	6.771	0.009	19775013	96.3	
12 Acenaphthene						
1	6.838	6.822	0.016	23948587	96.3	
14 Fluorene						
1	7.636	7.620	0.016	23202915	101.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.578	8.566	0.012	19497925	103.0	
16 Phenanthrene						
1	9.368	9.347	0.021	22868945	96.4	
17 Anthracene						
1	9.460	9.436	0.024	22145220	94.4	
20 n-Octadecane						
2	10.496	10.483	0.013	19195431	103.2	
22 C19						
2	11.449	11.434	0.015	17619292	89.7	
19 Fluoranthene						
1	11.838	11.817	0.021	21639183	93.4	
21 Pyrene						
1	12.299	12.274	0.025	21963931	91.7	
23 icosane						
2	12.381	12.363	0.018	16917803	90.1	
27 n-Docosane						
2	14.159	14.141	0.018	16377352	100.0	
24 Benzo[a]anthracene						
1	15.002	14.977	0.025	17949022	100.7	
25 Chrysene						A
1	15.106	15.074	0.032	20340368	101.0	A
28 n-Tetracosane						
2	15.817	15.796	0.021	17585013	101.8	
29 Benzo[b]fluoranthene						
1	17.314	17.283	0.031	19915254	102.2	
32 n-Hexacosane						
2	17.358	17.338	0.020	18364678	103.4	
30 Benzo[k]fluoranthene						
1	17.387	17.346	0.041	18817650	94.5	
31 Benzo[a]pyrene						
1	17.935	17.900	0.035	19836854	89.8	
35 n-Octacosane						
2	18.792	18.771	0.021	19020104	104.3	
33 Indeno[1,2,3-cd]pyrene						M
1	19.989	19.924	0.065	20621327	92.9	M
34 Dibenz(a,h)anthracene						A
1	20.040	19.994	0.046	16557386	93.3	A
37 Triacontane						
2	20.132	20.112	0.020	19770995	105.0	
36 Benzo[g,h,i]perylene						A
1	20.392	20.341	0.051	19859357	93.4	A
38 n-Hexatriacontane						
2	24.145	24.110	0.035	18006679	100.2	
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		127377252	625.0	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		368984967	1627.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	158766631	845.4	
S 42 C11-C22 Aromatics (Adjusted)						
1					182.4	
2					0	
S 43 Total EPH						
1					1652.9	
S 44 EPH Adjustment 1						
1					1445.5	

QC Flag Legend

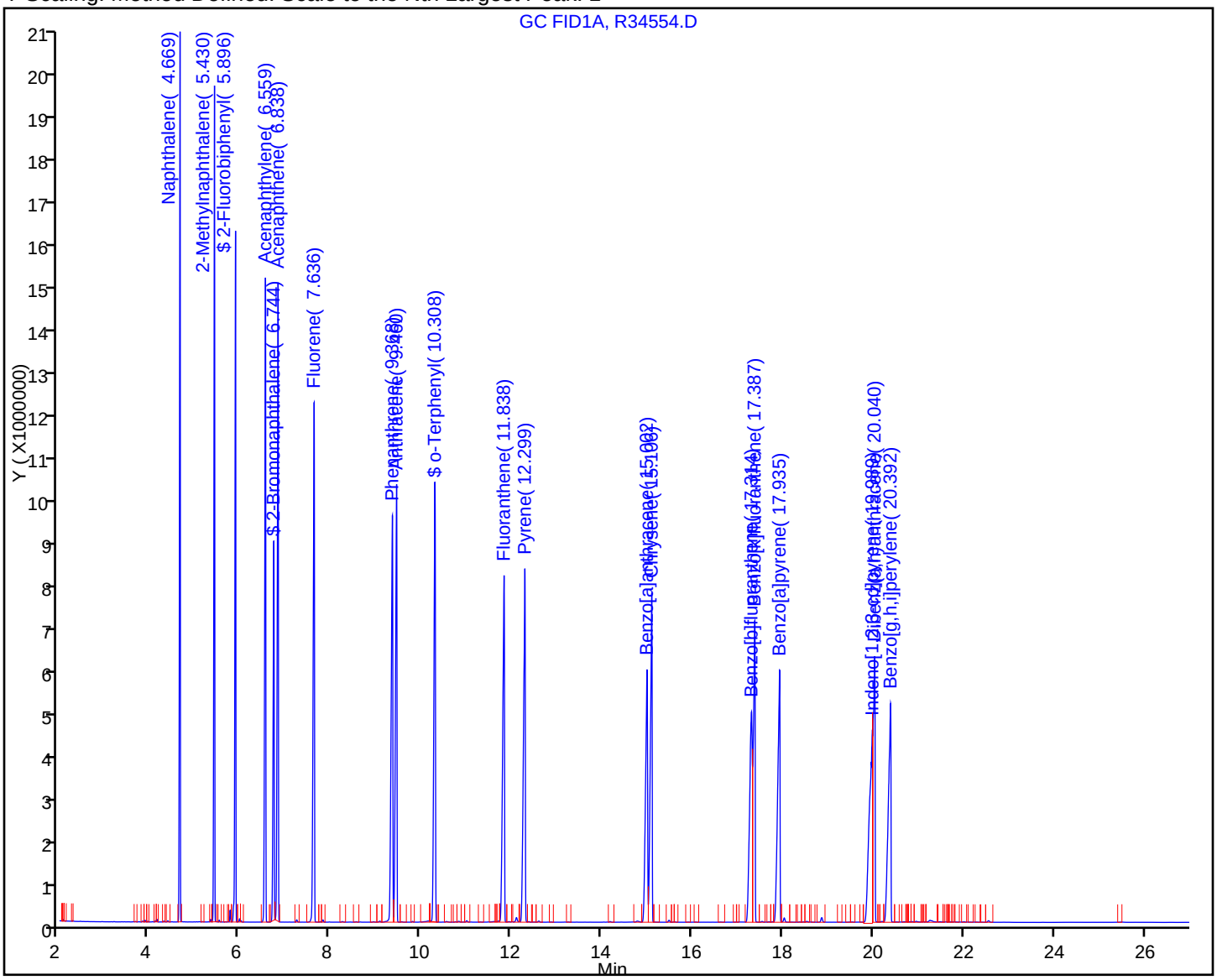
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:24 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D

Injection Date:	29-Nov-2010 21:05:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	8
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



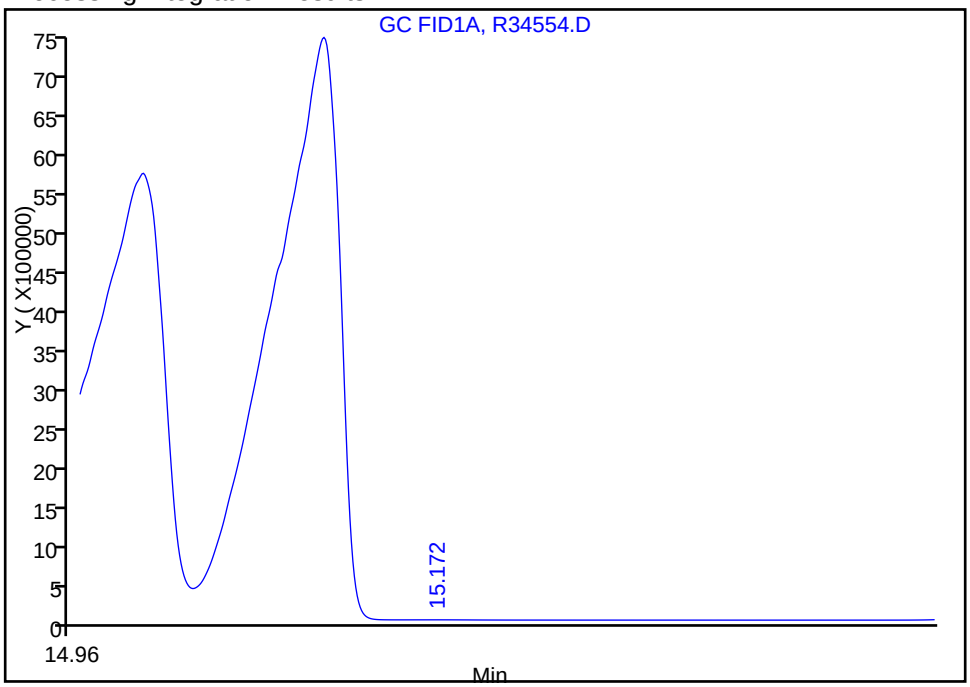
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D		
Injection Date:	29-Nov-2010 21:05:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	8
Operator ID:	SS	Injection Vol:	1.00 ul

25 Chrysene, Signal: 1, Type: quant, RT: 15.07, Det: GC FID1A

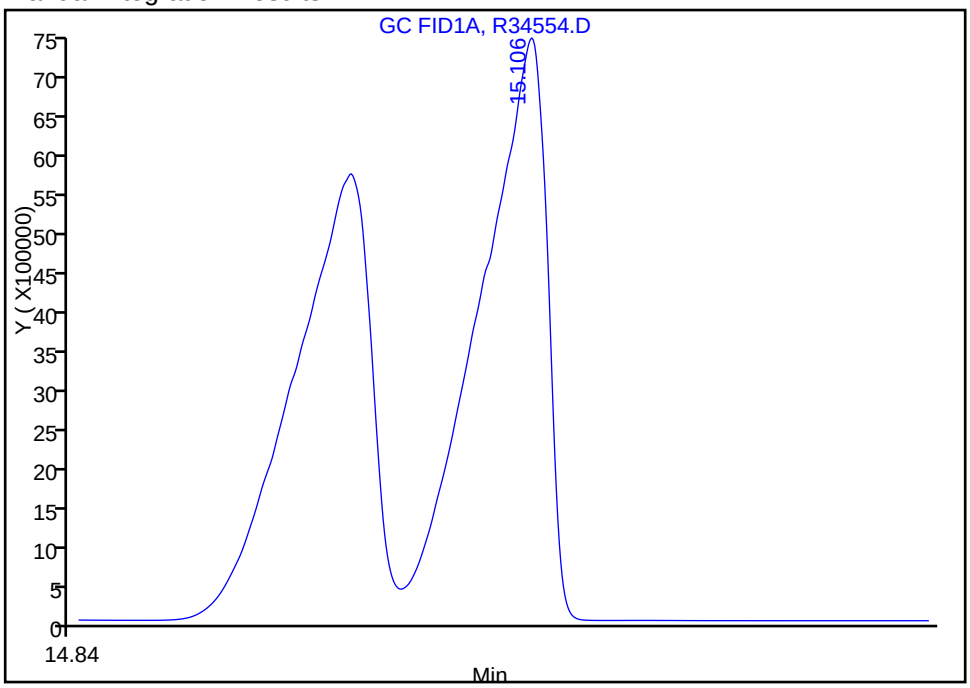
Processing Integration Results

RT: 15.17
Response: 13330
Amount: 0.064618



Manual Integration Results

RT: 15.11
Response: 20340368
Amount: 101.0157



Reviewer: sadowskis, 02-Dec-2010 09:50:13
Audit Action: Assigned Compound ID
Audit Reason:

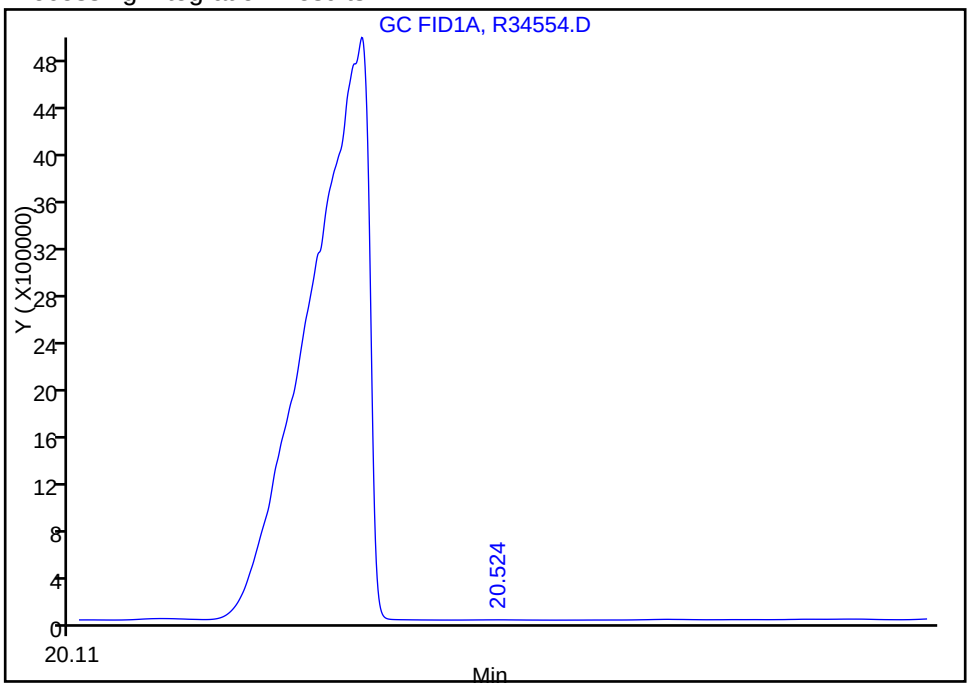
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D		
Injection Date:	29-Nov-2010 21:05:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	8
Operator ID:	SS	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.34, Det: GC FID1A

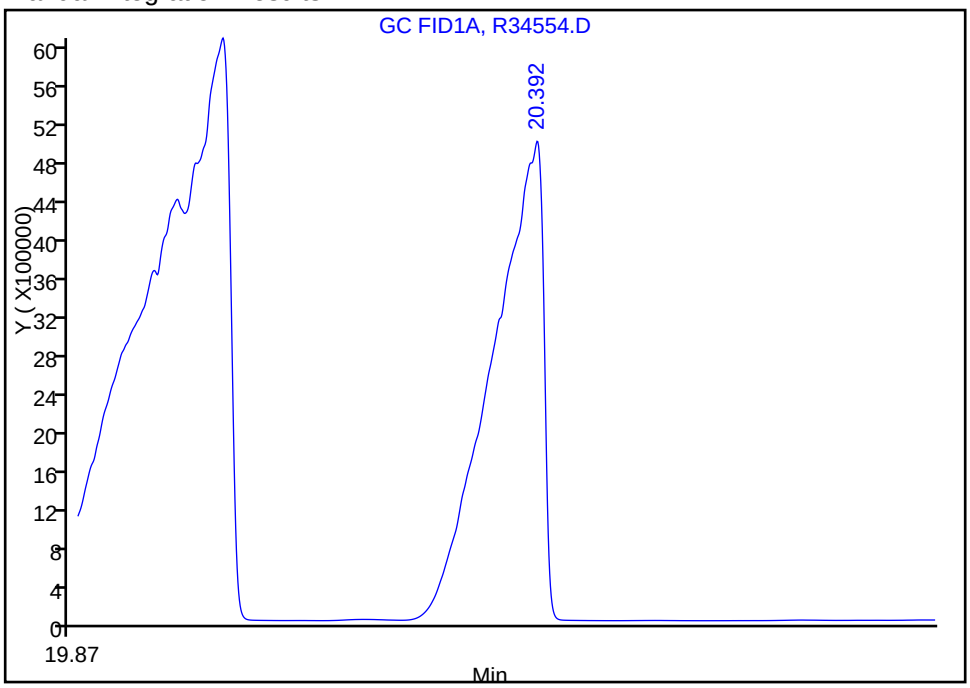
Processing Integration Results

RT: 20.52
Response: 36450
Amount: 0.202667



Manual Integration Results

RT: 20.39
Response: 19859357
Amount: 93.361782



Reviewer: sadowskis, 02-Dec-2010 09:50:13
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

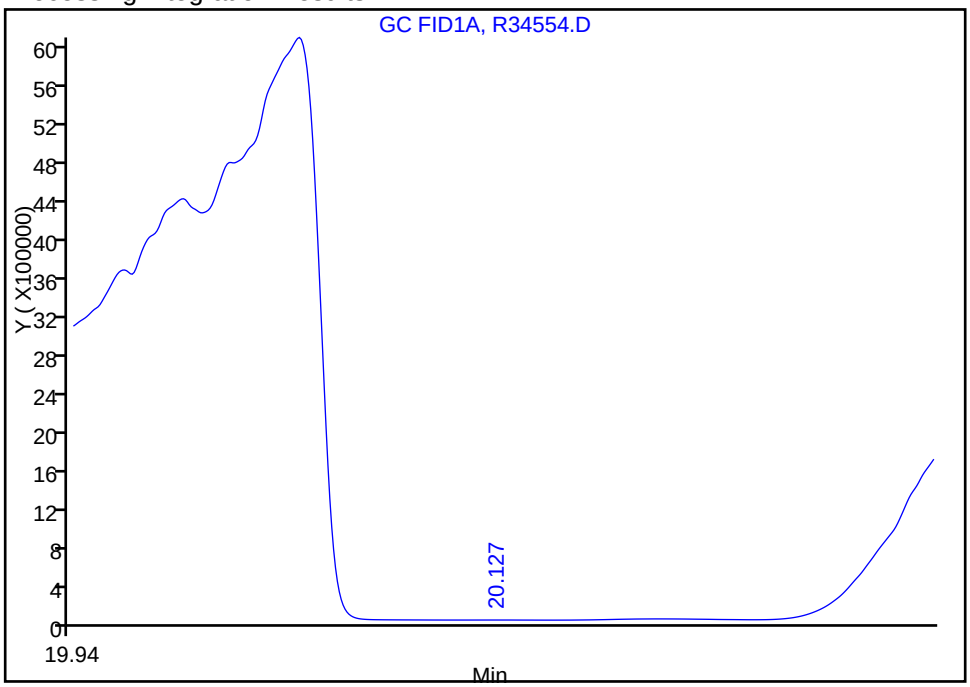
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D		
Injection Date:	29-Nov-2010 21:05:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	8
Operator ID:	SS	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 19.99, Det: GC FID1A

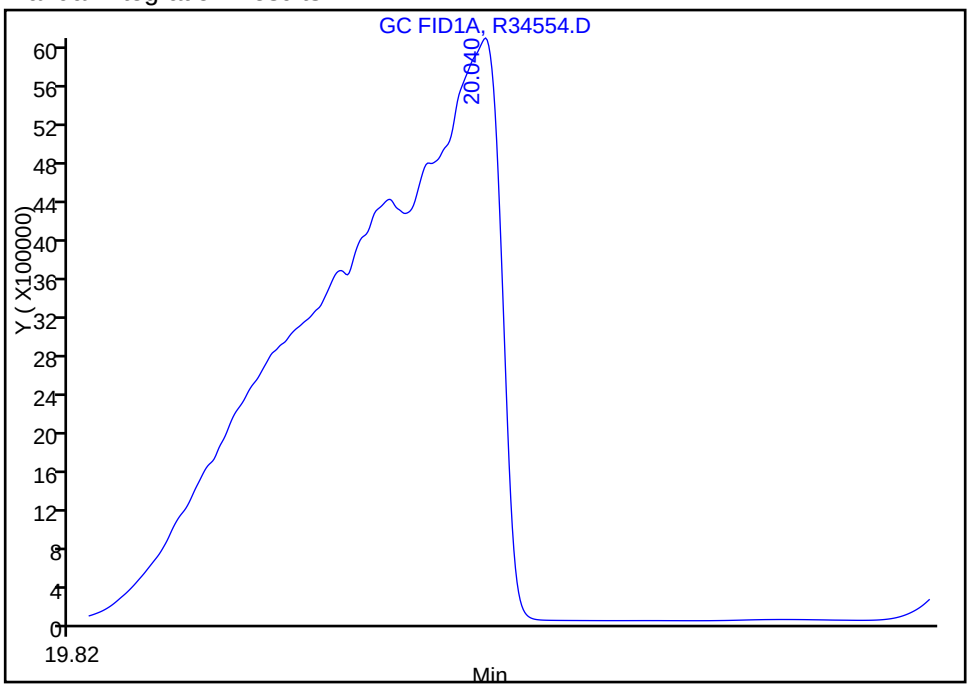
Processing Integration Results

RT: 20.13
Response: 15604
Amount: 0.097358



Manual Integration Results

RT: 20.04
Response: 16557386
Amount: 93.260551



Reviewer: sadowskis, 02-Dec-2010 09:50:13
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

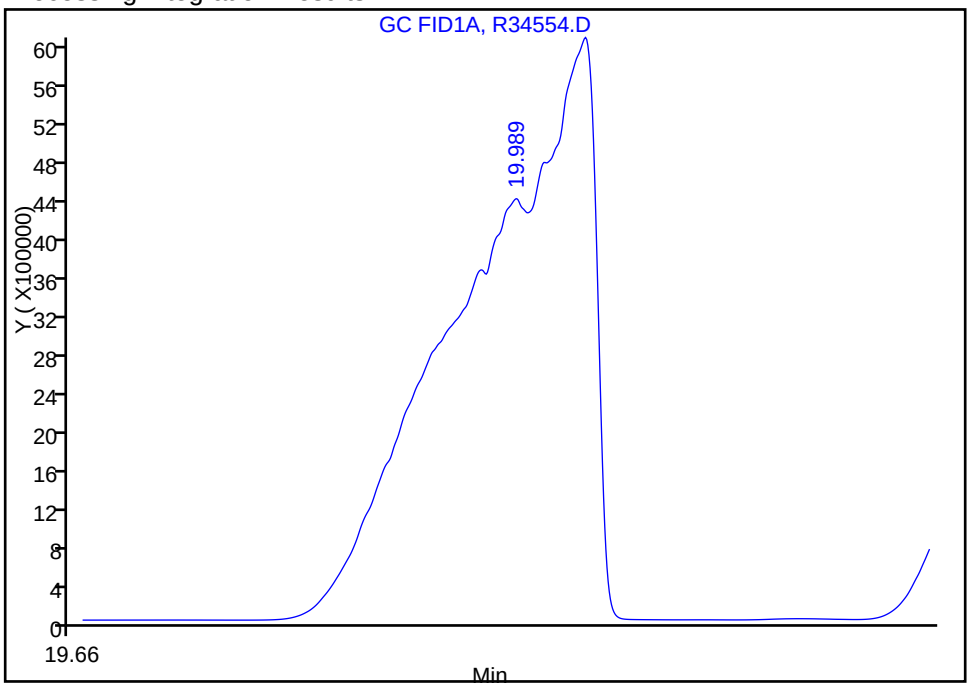
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D		
Injection Date:	29-Nov-2010 21:05:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	8
Operator ID:	SS	Injection Vol:	1.00 ul

33 Indeno[1,2,3-cd]pyrene, Signal: 1, Type: quant, RT: 19.92, Det: GC FID1A

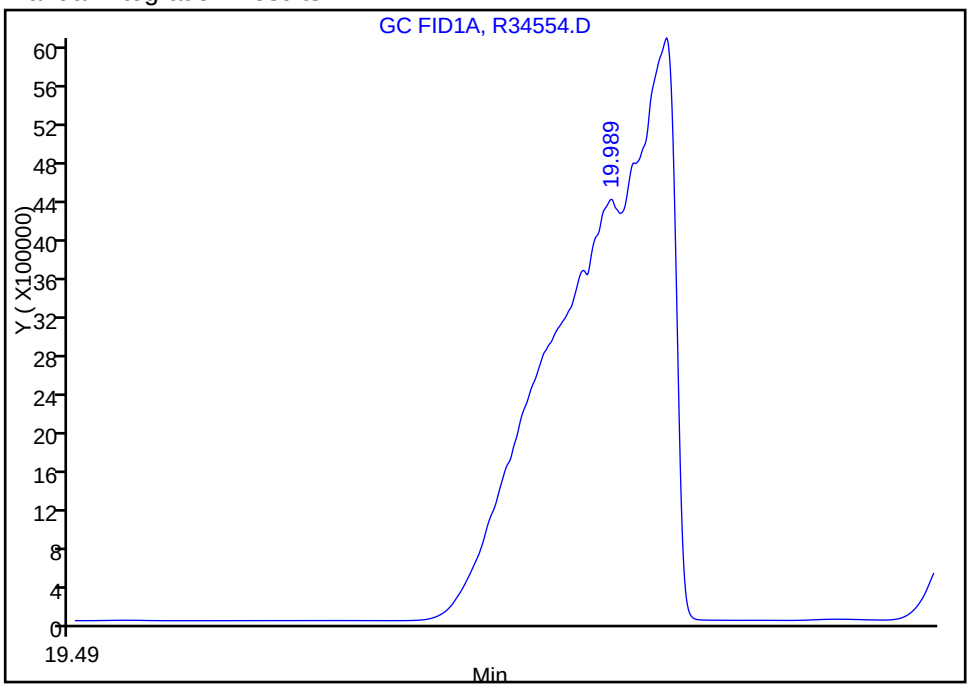
Processing Integration Results

RT: 19.99
Response: 7602983
Amount: 38.430436



Manual Integration Results

RT: 19.99
Response: 20621327
Amount: 92.874506



Reviewer: sadowskis, 02-Dec-2010 09:50:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Lims ID:	std200	Client ID:	
Inject. Date:	29-Nov-2010 21:39:55	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	STD200		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	66573	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.906	5.887	0.019	40221598	184.5	
$ 2 2-Bromonaphthalene						
1	6.758	6.731	0.027	27089169	184.8	
$ 3 o-Terphenyl						
1	10.330	10.294	0.036	43604422	173.5	
$ 4 1-Chlorooctadecane						
2	13.210	13.175	0.035	29021000	196.3	
5 n-Nonane						
2	2.941	2.931	0.010	37628544	189.0	
6 n-Decane						
2	3.726	3.710	0.016	38171167	191.7	
7 Naphthalene						
1	4.678	4.661	0.017	46956660	182.8	
9 Dodecane						
2	5.257	5.240	0.017	38467590	194.6	
8 2-Methylnaphthalene						
1	5.442	5.421	0.021	45477711	182.5	
11 Acenaphthylene						
1	6.573	6.546	0.027	44375683	181.9	
15 n-Tetradecane						
2	6.792	6.771	0.021	37546828	182.9	
12 Acenaphthene						
1	6.857	6.822	0.035	45207800	181.7	
14 Fluorene						
1	7.655	7.620	0.035	43871179	192.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.594	8.566	0.028	37331809	197.2	
16 Phenanthrene						A
1	9.391	9.347	0.044	43007244	181.3	A
17 Anthracene						A
1	9.489	9.436	0.053	41303268	176.2	A
20 n-Octadecane						
2	10.511	10.483	0.028	36527811	196.5	
22 C19						
2	11.468	11.434	0.034	36419459	185.3	
19 Fluoranthene						
1	11.867	11.817	0.050	40973832	176.8	
21 Pyrene						
1	12.329	12.274	0.055	41438357	173.1	
23 icosane						
2	12.401	12.363	0.038	33530490	178.6	
27 n-Docosane						
2	14.181	14.141	0.040	32673836	199.5	
24 Benzo[a]anthracene						A
1	15.035	14.977	0.058	34246747	192.3	A
25 Chrysene						A
1	15.147	15.074	0.073	38525515	191.4	A
28 n-Tetracosane						
2	15.841	15.796	0.045	34215521	198.3	
29 Benzo[b]fluoranthene						A
1	17.347	17.283	0.064	32964830	199.5	A
32 n-Hexacosane						
2	17.383	17.338	0.045	35015537	197.2	
30 Benzo[k]fluoranthene						M
1	17.440	17.346	0.094	40332081	202.7	M
31 Benzo[a]pyrene						A
1	17.985	17.900	0.085	38281262	173.3	A
35 n-Octacosane						
2	18.816	18.771	0.045	35796344	196.4	
33 Indeno[1,2,3-cd]pyrene						A
1	20.047	19.924	0.123	39938022	179.9	A
34 Dibenz(a,h)anthracene						A
1	20.102	19.994	0.108	35522253	200.2	A
37 Triacontane						
2	20.158	20.112	0.046	36822336	195.7	
36 Benzo[g,h,i]perylene						A
1	20.463	20.341	0.122	40186898	188.9	A
38 n-Hexatriacontane						A
2	24.188	24.110	0.078	35305315	196.5	A
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		235861950	1183.6	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		691484173	3501.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	290099008	1567.7	
S 42 C11-C22 Aromatics (Adjusted)						
1					273.5	
2					0	
S 43 Total EPH						
1					3024.8	
S 44 EPH Adjustment 1						
1					2777.2	

QC Flag Legend

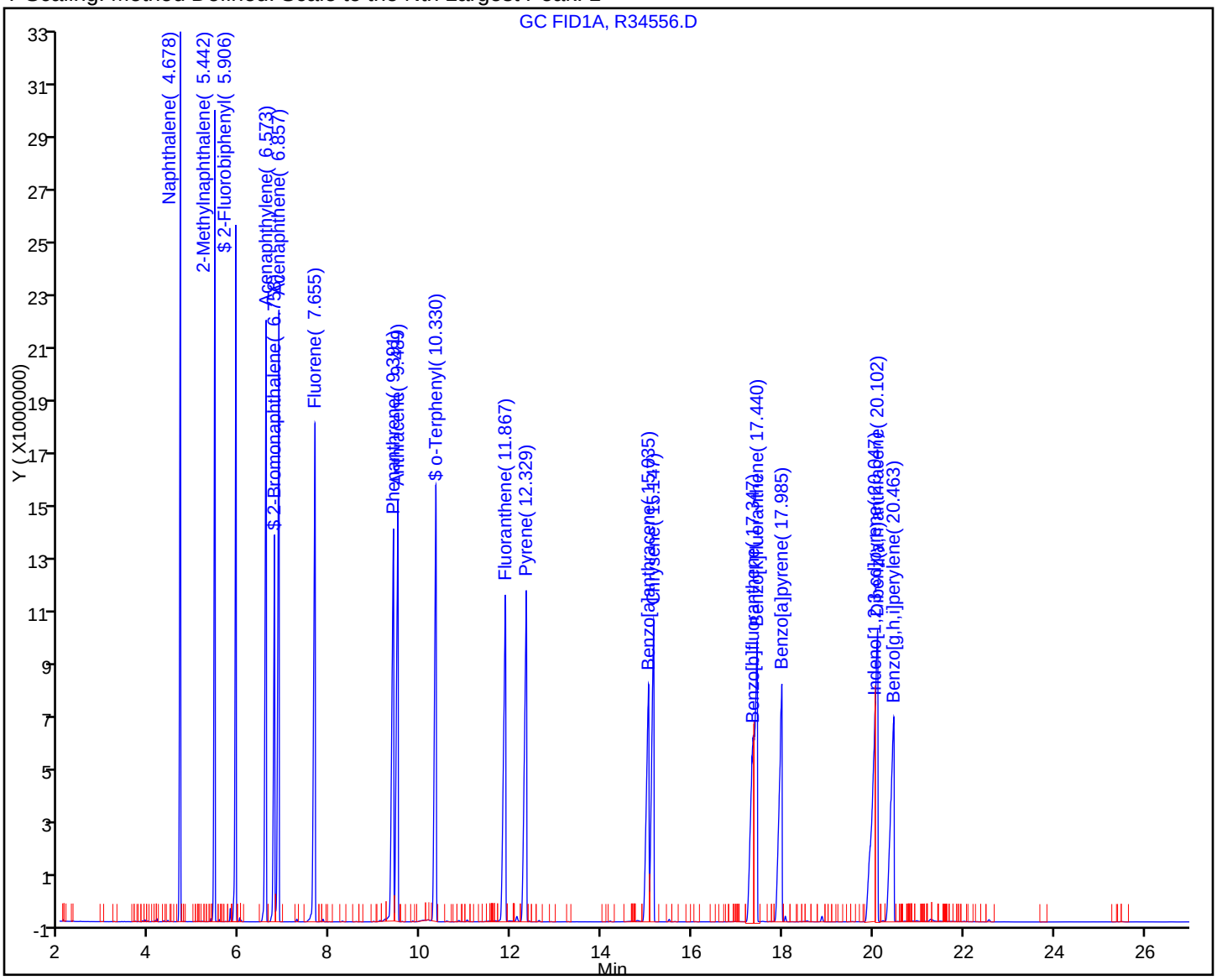
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D

Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



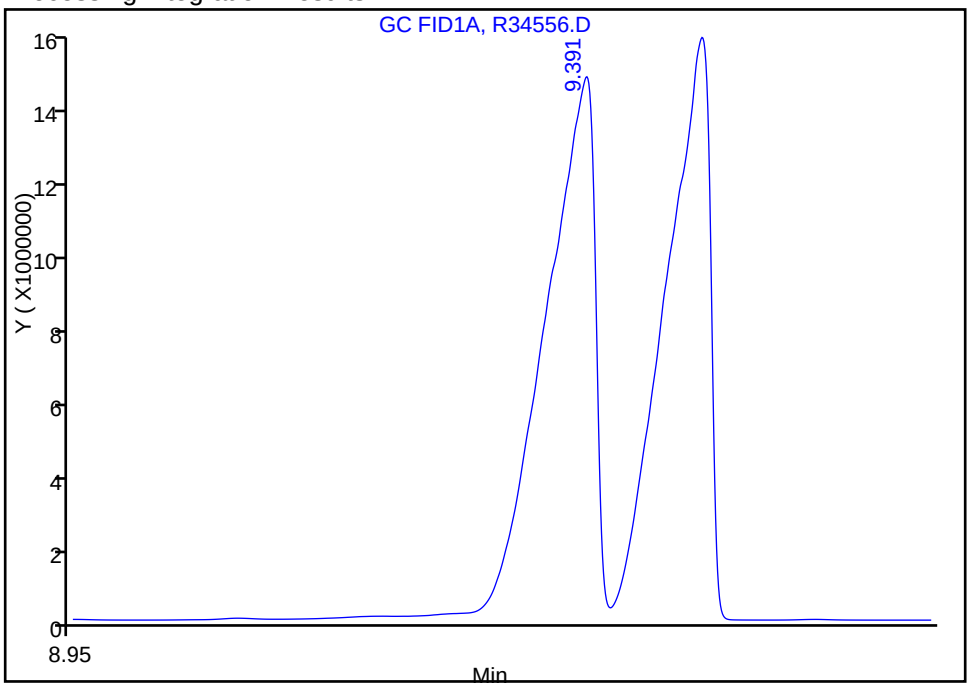
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

17 Anthracene, Signal: 1, Type: quant, RT: 9.44, Det: GC FID1A

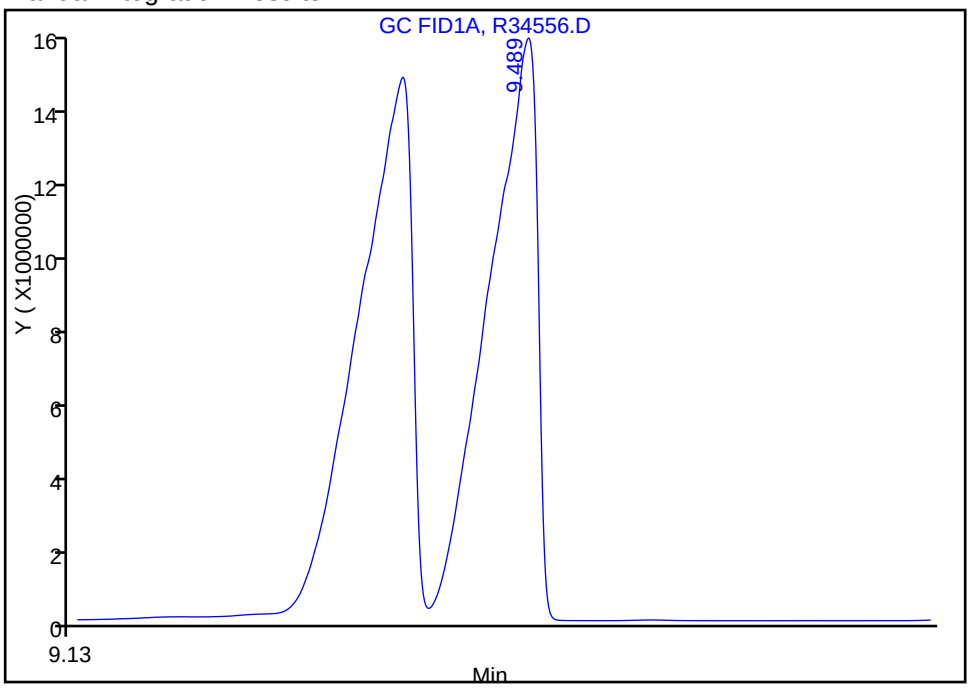
Processing Integration Results

RT: 9.39
Response: 43007244
Amount: 180.3415



Manual Integration Results

RT: 9.49
Response: 41303268
Amount: 176.1525



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason:

Report Date: 02-Dec-2010 10:19:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

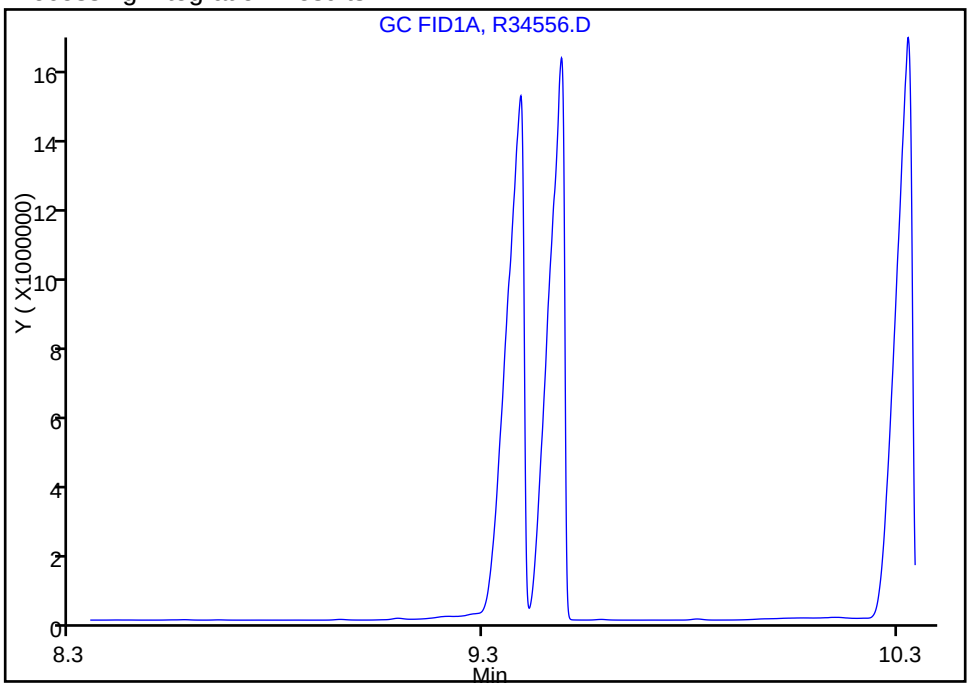
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

16 Phenanthrene, Signal: 1, Type: quant, RT: 9.35, Det: GC FID1A

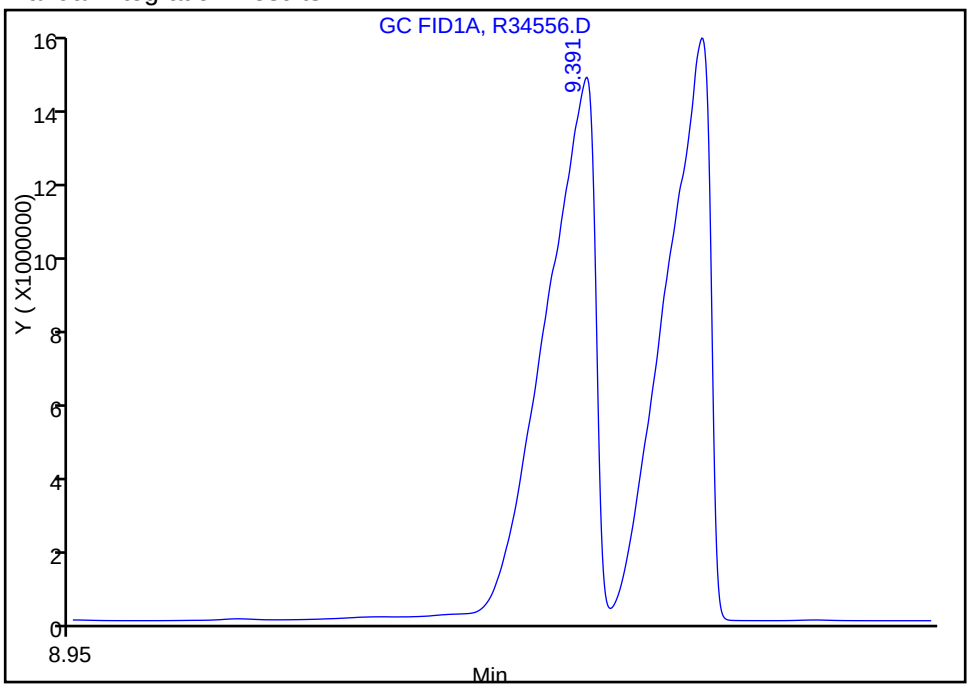
Not Detected
Expected RT: 9.35

Processing Integration Results



Manual Integration Results

RT: 9.39
Response: 43007244
Amount: 181.3385



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason:

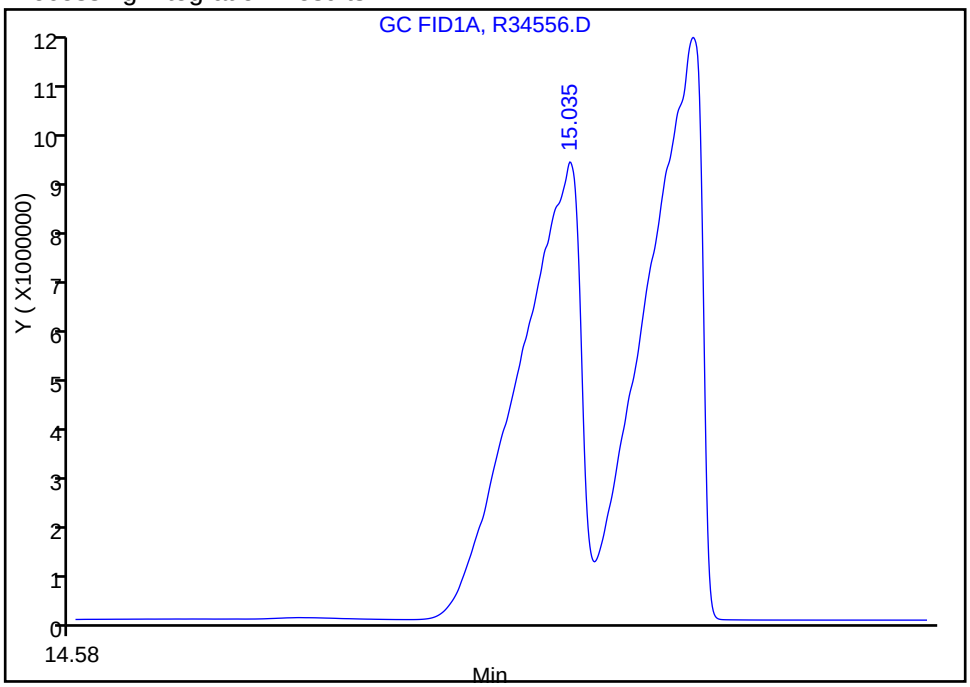
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

25 Chrysene, Signal: 1, Type: quant, RT: 15.07, Det: GC FID1A

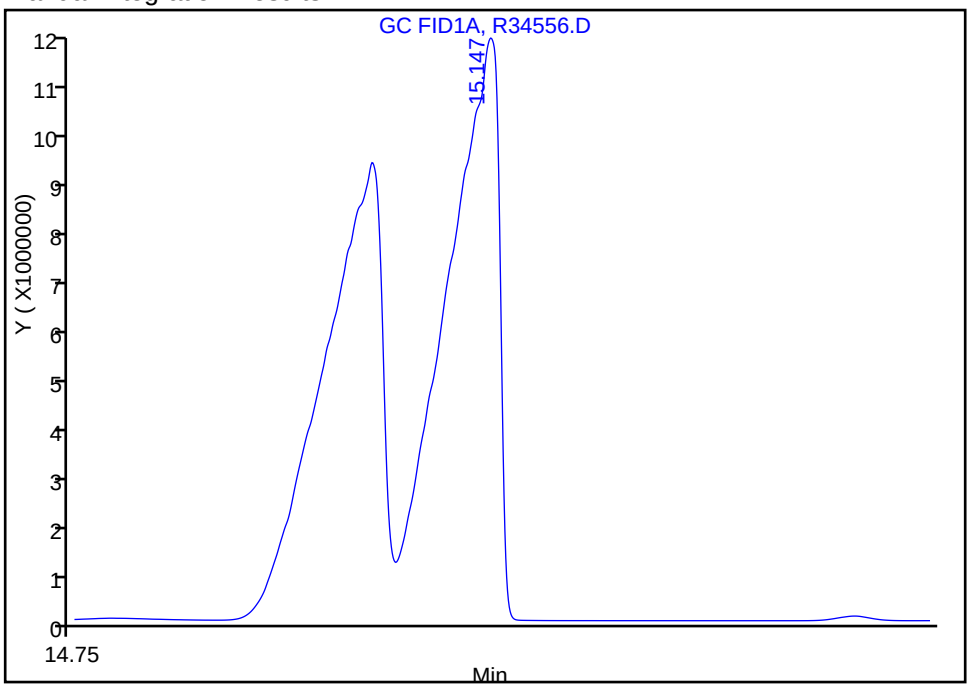
Processing Integration Results

RT: 15.03
Response: 34246747
Amount: 152.9951



Manual Integration Results

RT: 15.15
Response: 38525515
Amount: 191.4109



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason:

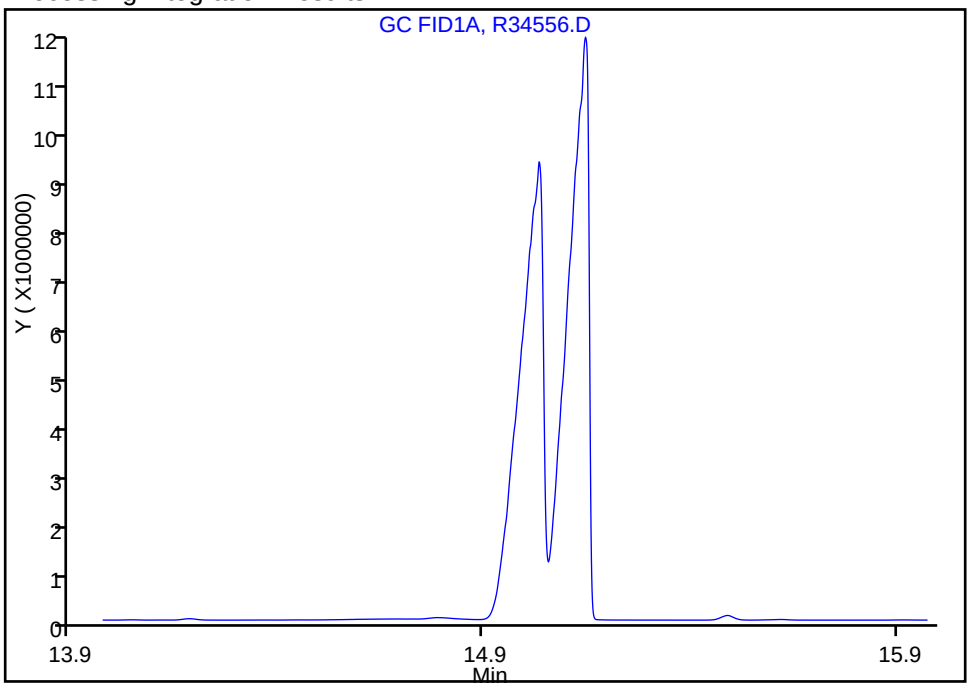
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

24 Benzo[a]anthracene, Signal: 1, Type: quant, RT: 14.98, Det: GC FID1A

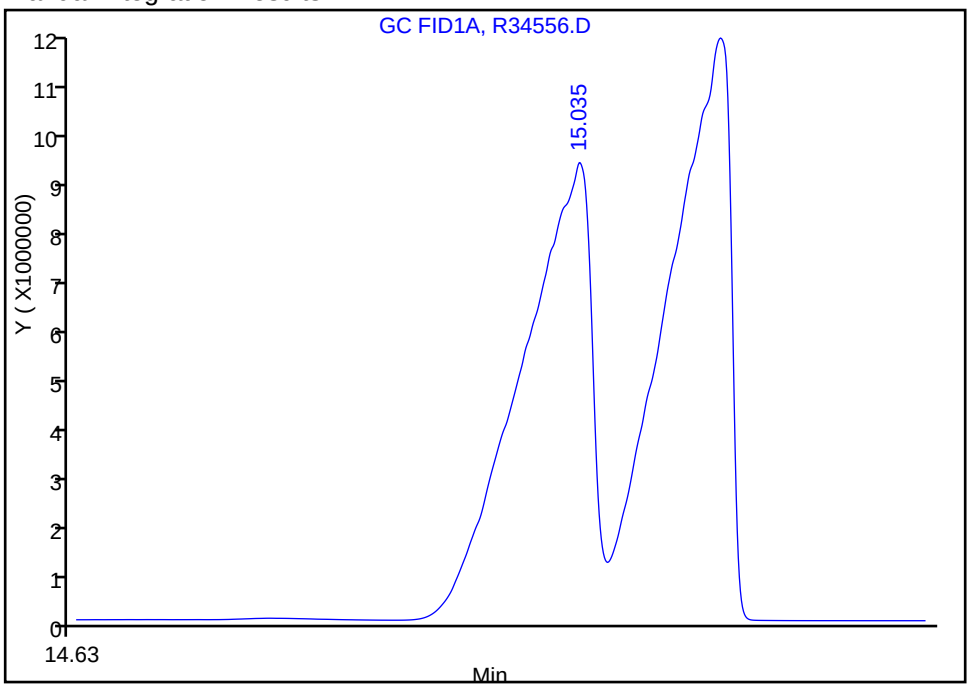
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.03
Response: 34246747
Amount: 192.3197



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason:

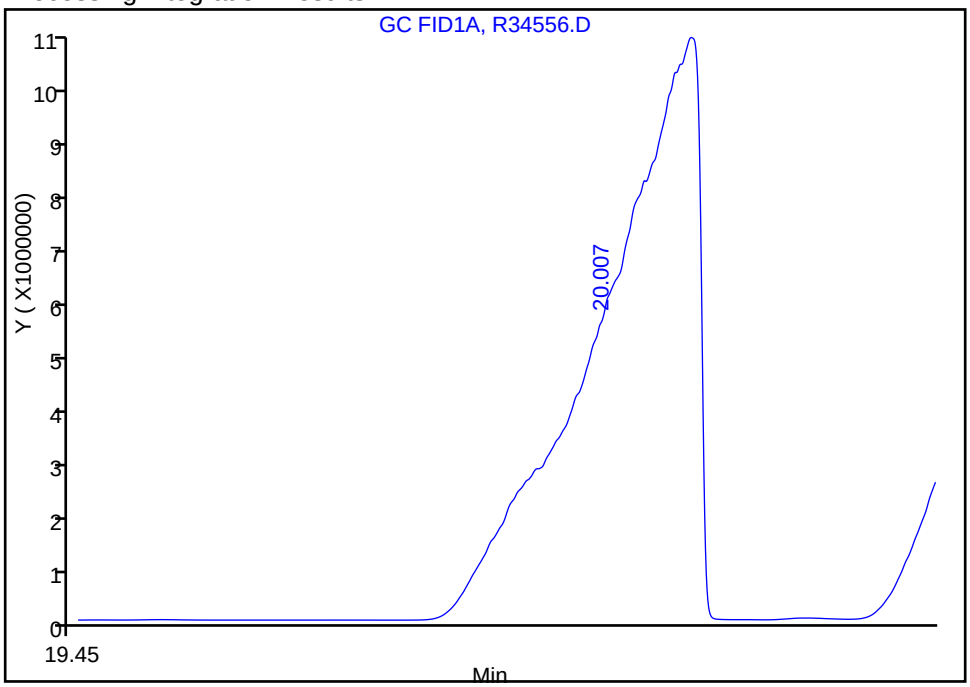
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

33 Indeno[1,2,3-cd]pyrene, Signal: 1, Type: quant, RT: 19.92, Det: GC FID1A

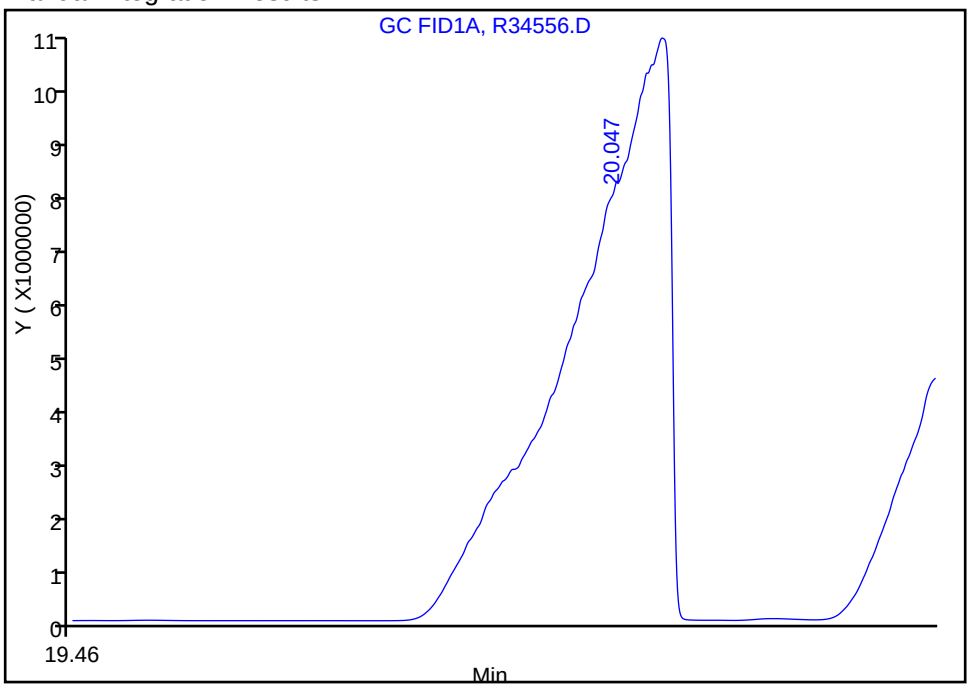
Processing Integration Results

RT: 20.01
Response: 24731863
Amount: 115.7932



Manual Integration Results

RT: 20.05
Response: 39938022
Amount: 179.8732



Reviewer: sadowskis, 02-Dec-2010 10:06:30
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

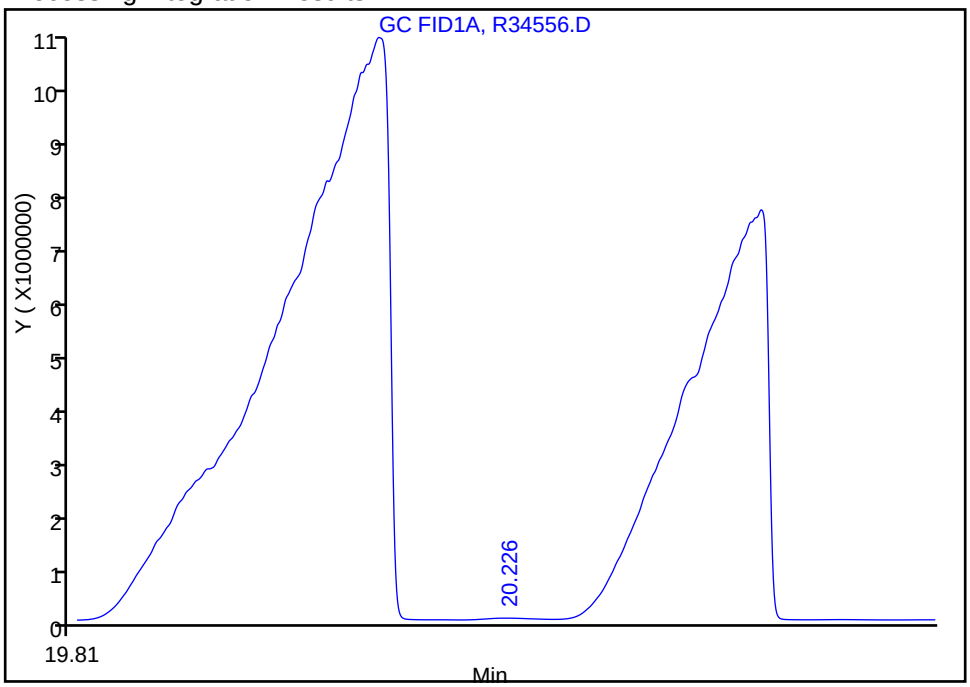
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.34, Det: GC FID1A

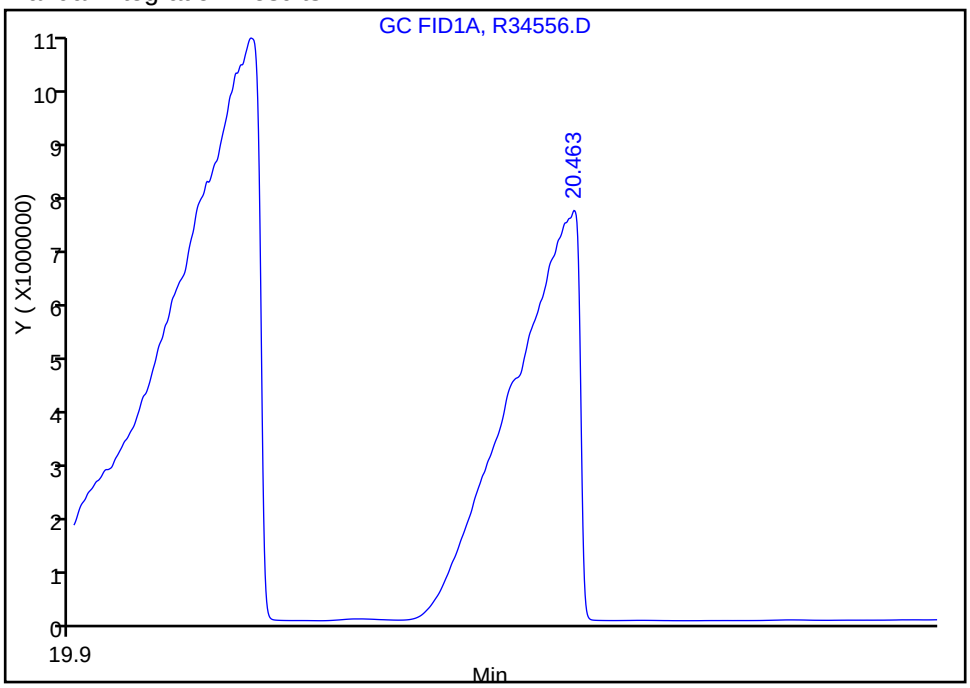
Processing Integration Results

RT: 20.23
Response: 151647
Amount: 0.961971



Manual Integration Results

RT: 20.46
Response: 40186898
Amount: 188.9246



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

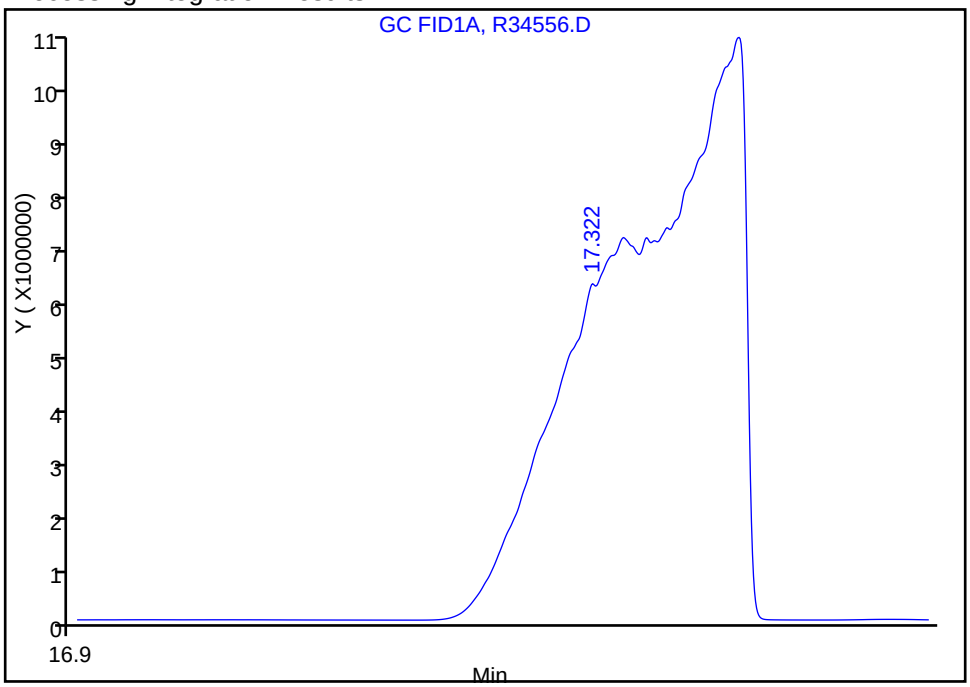
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.28, Det: GC FID1A

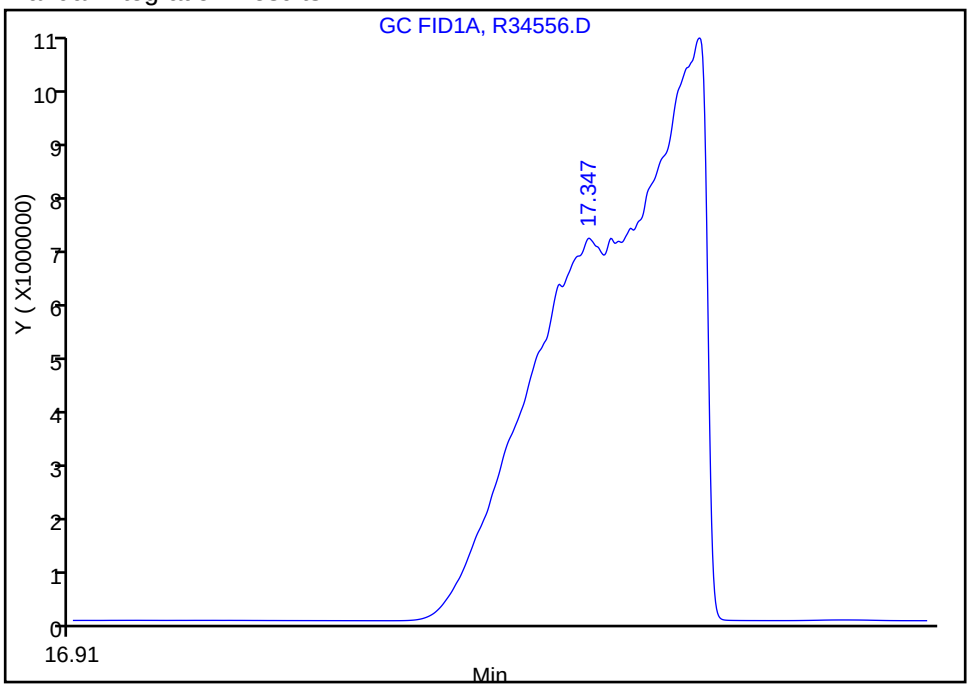
Processing Integration Results

RT: 17.32
Response: 17559238
Amount: 78.463053



Manual Integration Results

RT: 17.35
Response: 32964830
Amount: 199.5186



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

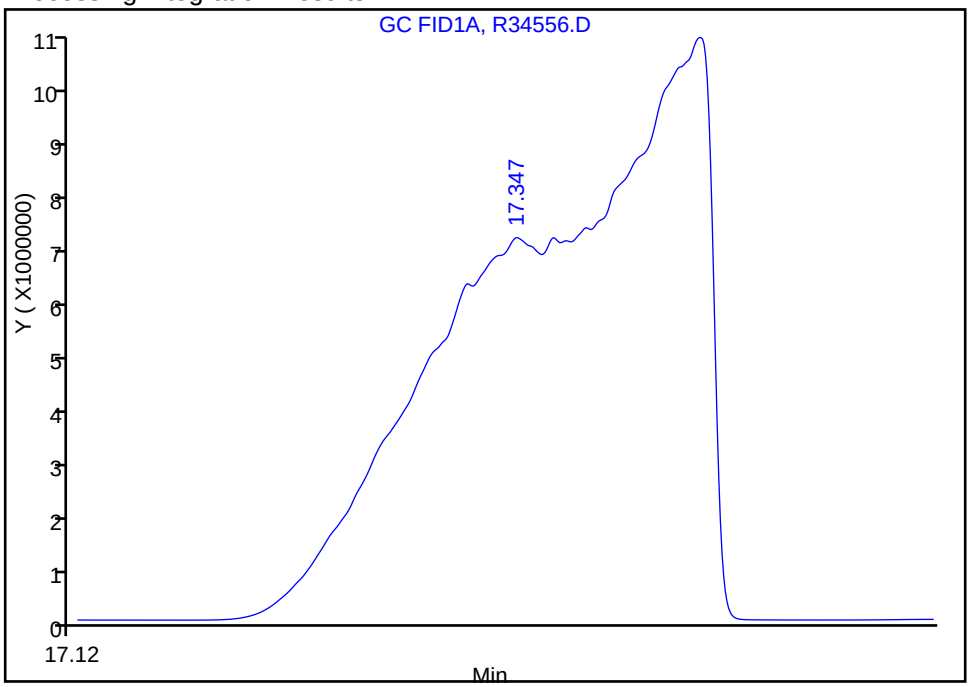
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.35, Det: GC FID1A

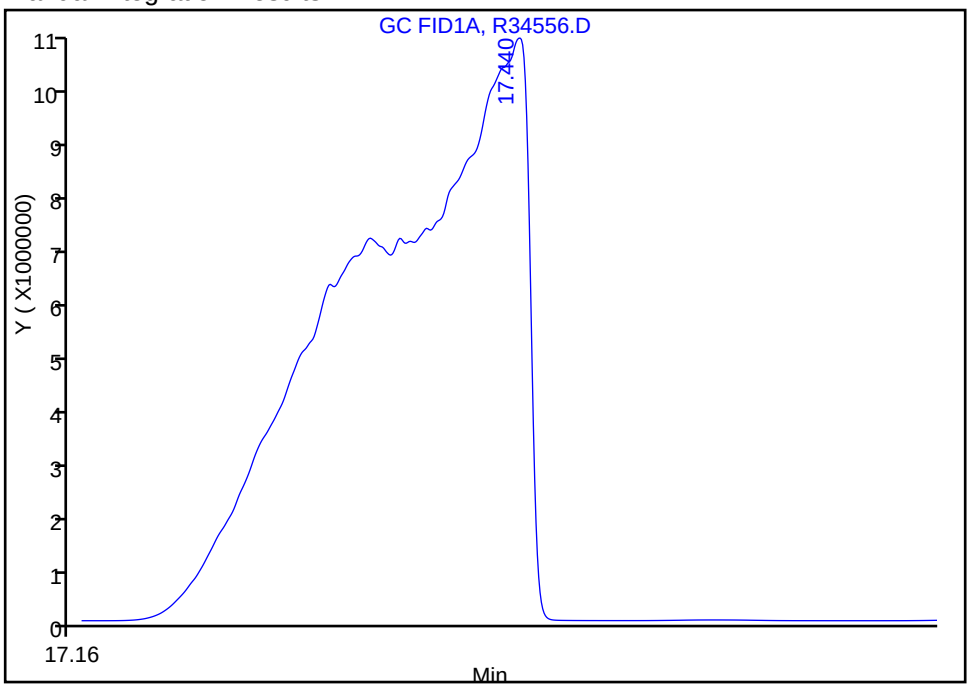
Processing Integration Results

RT: 17.35
Response: 13534161
Amount: 76.889013



Manual Integration Results

RT: 17.44
Response: 40332081
Amount: 202.6997



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

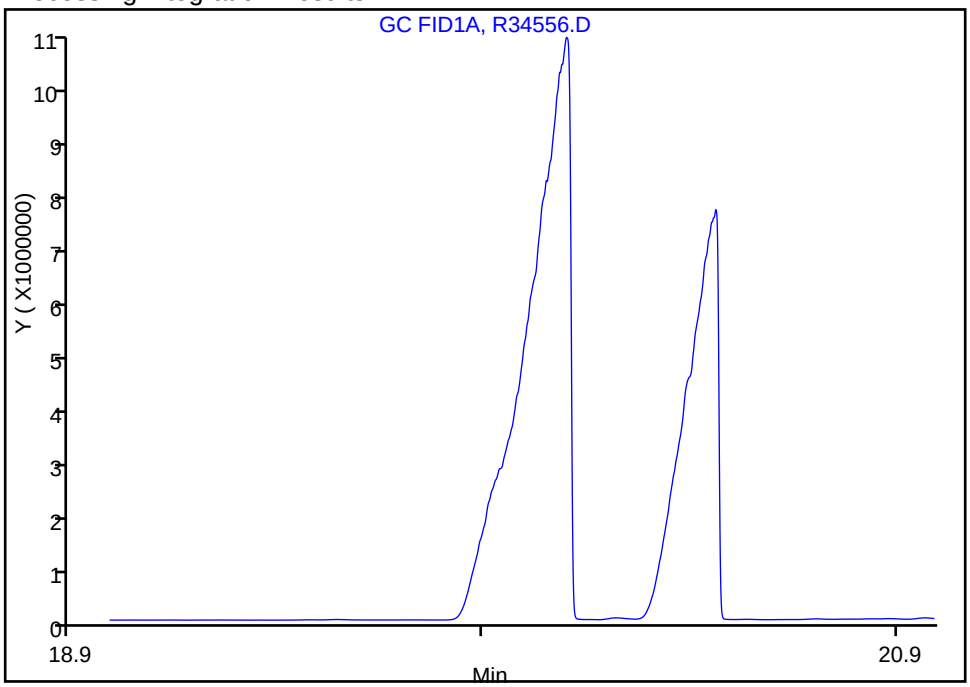
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 19.99, Det: GC FID1A

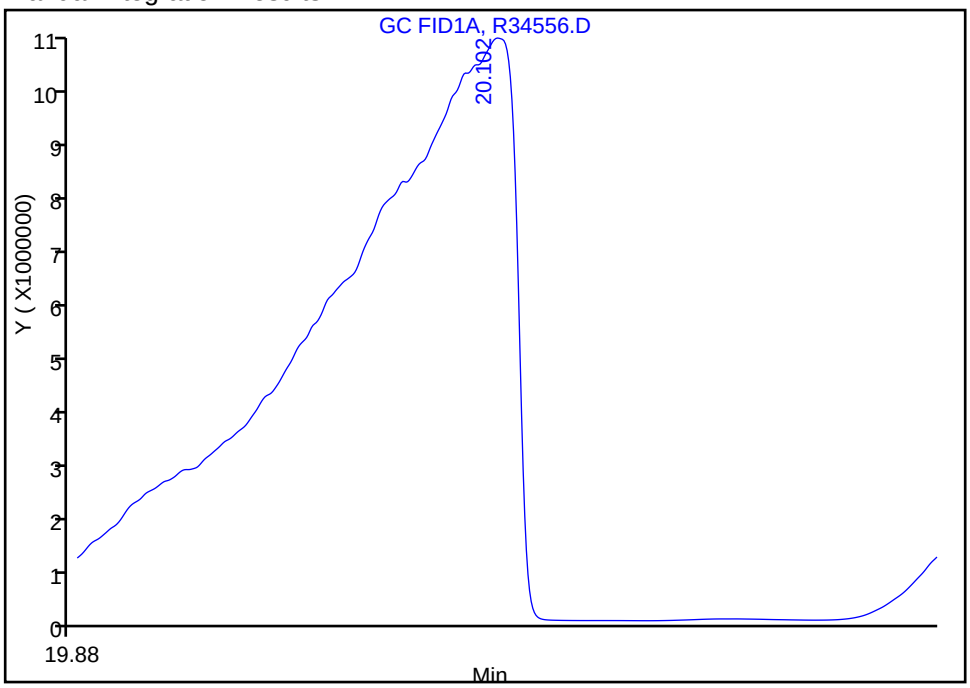
Not Detected
Expected RT: 19.99

Processing Integration Results



Manual Integration Results

RT: 20.10
Response: 35522253
Amount: 200.1917



Reviewer: sadowskis, 02-Dec-2010 10:06:30
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:19:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

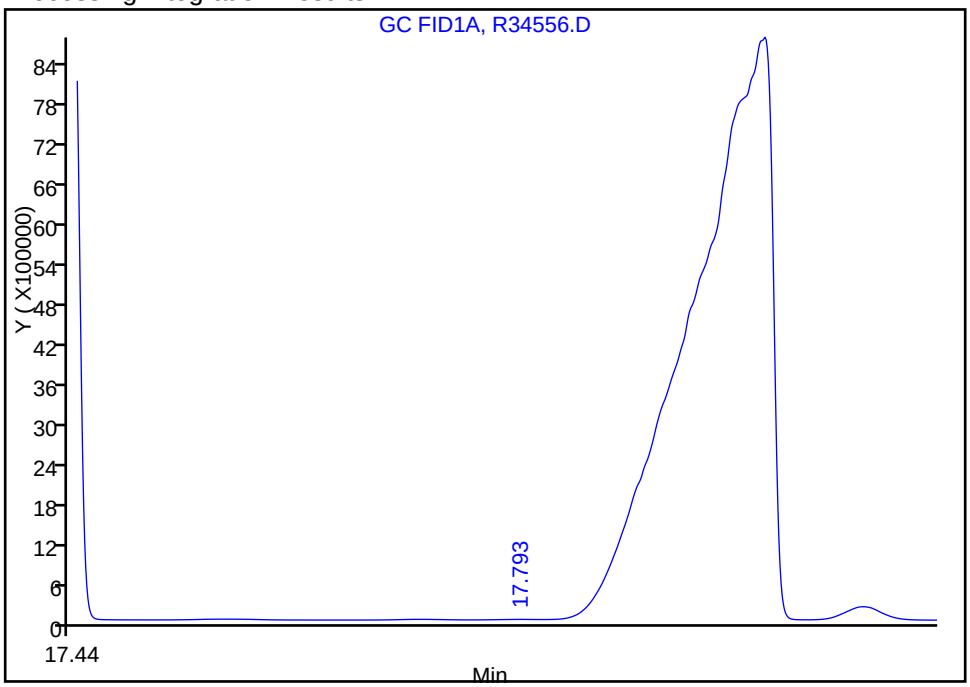
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 17.90, Det: GC FID1A

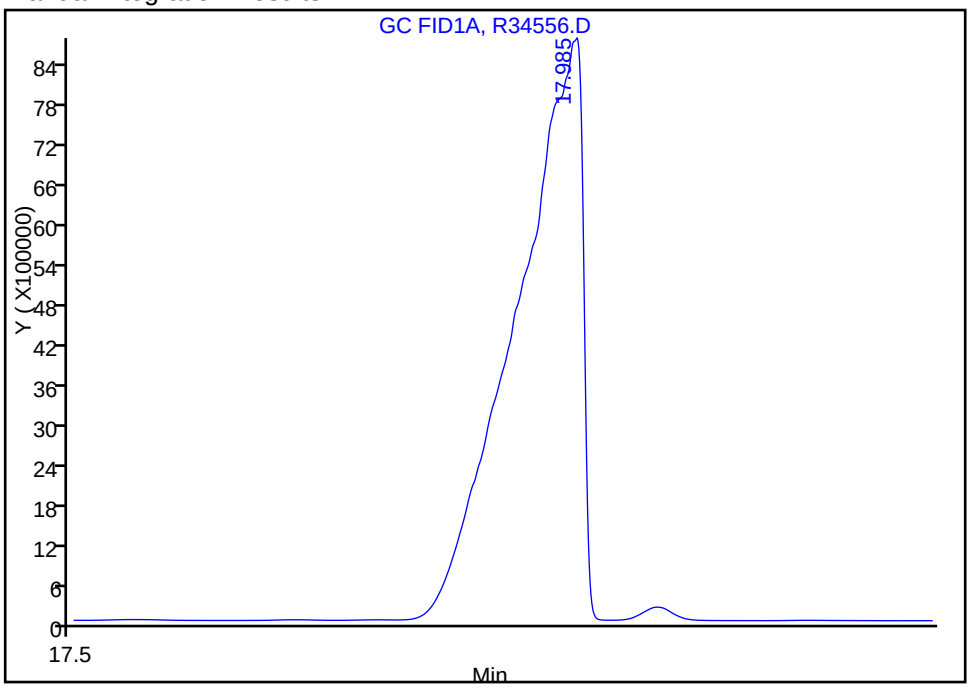
Processing Integration Results

RT: 17.79
Response: 40676
Amount: 0.223596



Manual Integration Results

RT: 17.98
Response: 38281262
Amount: 173.3048



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-66573/2	R34542.D
Level 2	STD05 360-66573/3	R34544.D
Level 3	STD1 360-66573/4	R34546.D
Level 4	STD5 360-66573/5	R34548.D
Level 5	STD10 360-66573/6	R34550.D
Level 6	STD25 360-66573/7	R34552.D
Level 7	STD50 360-66573/1	R34538.D
Level 8	STD100 360-66573/8	R34554.D
Level 9	STD200 360-66573/9	R34556.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	2.930	2.929	2.928	2.927	2.927	2.929	2.931	2.937	2.941		2.831 - 3.031	2.931
n-Decane	3.707	3.704	3.704	3.704	3.704	3.706	3.710	3.718	3.726		3.610 - 3.810	3.709
Dodecane	5.239	5.236	5.236	5.236	5.235	5.237	5.240	5.247	5.257		5.140 - 5.340	5.240
C9-C18 Aliphatics				6.700	6.700	6.700	6.704	6.700	6.700		2.831 - 10.583	6.701
n-Tetradecane	6.769	6.768	6.768	6.766	6.766	6.770	6.771	6.780	6.792		6.671 - 6.871	6.772
Hexadecane	8.561	8.561	8.560	8.561	8.561	8.563	8.566	8.578	8.594		8.466 - 8.666	8.567
n-Octadecane	10.472	10.473	10.474	10.473	10.474	10.475	10.483	10.496	10.511		10.383 - 10.583	10.481
C19	11.421	11.423	11.422	11.423	11.424	11.429	11.434	11.449	11.468		11.334 - 11.534	11.433
icosane	12.352	12.352	12.352	12.351	12.353	12.359	12.363	12.381	12.401		12.263 - 12.463	12.363
n-Docosane	14.127	14.128	14.126	14.128	14.131	14.135	14.141	14.159	14.181		14.041 - 14.241	14.140
n-Tetracosane	15.783	15.783	15.781	15.782	15.786	15.791	15.796	15.817	15.841		15.696 - 15.896	15.796
n-Hexacosane	17.318	17.319	17.319	17.321	17.324	17.329	17.338	17.358	17.383		17.238 - 17.438	17.334
C19-C36 Aliphatics				17.385	17.385	17.385	17.473	17.385	17.385		10.583 - 24.400	17.400
n-Octacosane	18.752	18.753	18.755	18.751	18.755	18.763	18.771	18.792	18.816		18.671 - 18.871	18.768
Triacontane	20.089	20.090	20.090	20.090	20.094	20.103	20.112	20.132	20.158		20.012 - 20.212	20.106
n-Hexatriacontane	24.074	24.075	24.080	24.074	24.086	24.094	24.110	24.145	24.188		24.010 - 24.210	24.103
1-Chlorooctadecane	13.164	13.165	13.165	13.165	13.166	13.169	13.175	13.190	13.210		13.075 - 13.275	13.174

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-66573/2	R34542.D
Level 2	STD05 360-66573/3	R34544.D
Level 3	STD1 360-66573/4	R34546.D
Level 4	STD5 360-66573/5	R34548.D
Level 5	STD10 360-66573/6	R34550.D
Level 6	STD25 360-66573/7	R34552.D
Level 7	STD50 360-66573/1	R34538.D
Level 8	STD100 360-66573/8	R34554.D
Level 9	STD200 360-66573/9	R34556.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	214690 220631 188143	205394 189624	195138 188100	189567 201017	Ave		199144.804				6.1		25.0			
n-Decane	201170 223534 190856	204348 192103	194091 190013	191505 204139	Ave		199084.287				5.4		25.0			
Dodecane	184550 226065 192338	197286 193529	196902 190988	192838 204902	Ave		197710.831				6.1		25.0			
C9-C18 Aliphatics	 328581 196552	229818	206762	366165 212295	Lin1	5998757.73	194208.492							0.9980		0.9900
n-Tetradecane	270310 220407 187734	211816 188165	196735 186160	188286 197750	Ave		205262.583				13.0		25.0			
Hexadecane	289780 217357 186659	216342 185584	201011 185763	186569 194979	Lin1	12050.7400	189207.330							0.9990		0.9900
n-Octadecane	303840 213695 182639	224710 182606	193544 184558	182533 191954	Lin1	14018.2542	185842.757							0.9990		0.9900
C19	249550 212289 182097	212122 181798	189745 184823	180091 176193	Ave		196523.155				12.0		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 EVALUTION

Lab Name: TestAmerica Westfield Job No.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10399

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	227240 207568 167652	212764 177777	188069 162792	176631 169178	Ave		187741.267				12.0		25.0			
n-Docosane	282510 198295 163369	211158 160477	185694 160549	171275 163774	Lin1	16743.4160	163684.166							0.9990		0.9900
n-Tetracosane	308550 205419 171078	235276 169760	205081 167457	177963 175850	Lin1	19757.1652	172464.674							0.9990		0.9900
n-Hexacosane	395890 209458 175078	241512 174958	221516 171433	182146 183647	Lin1	26841.1955	177404.084							0.9990		0.9900
C19-C36 Aliphatics	266548 181312	199278	189587	292119 198458	Lin1	5041213.74	181832.452							0.9980		0.9900
n-Octacosane	425690 214331 178982	253622 180847	231836 175281	186754 190201	Lin1	29802.7724	182103.560							0.9980		0.9900
Triacontane	374000 220707 184112	245760 187190	232852 180251	192406 197710	Lin1	24131.6443	188025.243							0.9980		0.9900
n-Hexatriacontane	175340 195948 176527	199048 168649	178680 170167	172476 180067	Ave		179655.721				6.0		25.0			
1-Chlorooctadecane	319470 179488 145105	208460 153355	156136 154461	150833 146203	Lin1	21233.6598	147723.381							0.9980		0.9900

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.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-66573/2	R34542.D
Level 2	STD05 360-66573/3	R34544.D
Level 3	STD1 360-66573/4	R34546.D
Level 4	STD5 360-66573/5	R34548.D
Level 5	STD10 360-66573/6	R34550.D
Level 6	STD25 360-66573/7	R34552.D
Level 7	STD50 360-66573/1	R34538.D
Level 8	STD100 360-66573/8	R34554.D
Level 9	STD200 360-66573/9	R34556.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	Ave	21469 4740603	102697 9404998	195138 20101674	947836 37628544	2206305	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Decane	Ave	20117 4802585	102174 9500637	194091 20413851	957527 38171167	2235337	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Dodecane	Ave	18455 4838232	98643 9549379	196902 20490227	964189 38467590	2260646	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C9-C18 Aliphatics	Lin1	34472709	62028711	127377252	10984955 235861950	19714840	150	300	600	30.0 1200	60.0
n-Tetradecane	Ave	27031 4704133	105908 9308003	196735 19775013	941430 37546828	2204066	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Hexadecane	Lin1	28978 4639603	108171 9288130	201011 19497925	932846 37331809	2173574	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Octadecane	Lin1	30384 4565153	112355 9227899	193544 19195431	912664 36527811	2136947	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19	Ave	24955 4544955	106061 9241164	189745 17619292	900456 36419459	2122885	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
icosane	Ave	22724 4444421	106382 8139604	188069 16917803	883154 33530490	2075682	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Docosane	Lin1	28251 4011928	105579 8027443	185694 16377352	856373 32673836	1982954	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Tetracosane	Lin1	30855 4244008	117638 8372860	205081 17585013	889814 34215521	2054191	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexacosane	Lin1	39589 4373956	120756 8571672	221516 18364678	910730 35015537	2094576	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19-C36 Aliphatics	Lin1	39855565	75834746	158766631	11684756 290099008	21323828	200	400	800	40.0 1600	80.0
n-Octacosane	Lin1	42569 4521173	126811 8764062	231836 19020104	933772 35796344	2143308	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.: 360-31465-1 Analy Batch No.: 66573

SDG No.: 360-31465-1

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2010 16:31 Calibration End Date: 11/29/2010 21:39 Calibration ID: 10399

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	Lin1	37400 4679760	122880 9012550	232852 19770995	962032 36822336	2207065	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexatriacontane	Ave	17534 4216234	99524 8508368	178680 18006679	862378 35305315	1959478	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
1-Chlorooctadecane	Lin1	31947 3833887	104230 7723046	156136 14620293	754163 29021000	1794877	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\20101202-4253.b\R34538.D		
Lims ID:	std50	Client ID:	
Inject. Date:	29-Nov-2010 16:31:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	66573	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						A
1	5.887	5.887	0.000	10459722	48.0	A
$ 2 2-Bromonaphthalene						A
1	6.731	6.731	0.000	7049882	48.1	A
$ 3 o-Terphenyl						A
1	10.294	10.294	0.000	11788500	46.9	A
$ 4 1-Chlorooctadecane						
2	13.175	13.175	0.000	7723046	52.1	
5 n-Nonane						
2	2.931	2.931	0.000	9404998	47.2	
6 n-Decane						
2	3.710	3.710	0.000	9500637	47.7	
7 Naphthalene						
1	4.661	4.661	0.000	12376325	48.2	
9 Dodecane						
2	5.240	5.240	0.000	9549379	48.3	
8 2-Methylnaphthalene						A
1	5.421	5.421	0.000	12006308	48.2	A
11 Acenaphthylene						A
1	6.546	6.546	0.000	11796304	48.4	A
15 n-Tetradecane						
2	6.771	6.771	0.000	9308003	45.3	
12 Acenaphthene						A
1	6.822	6.822	0.000	12048343	48.4	A
14 Fluorene						A
1	7.620	7.620	0.000	11639559	51.1	A

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.566	8.566	0.000	9288130	49.0	
16 Phenanthrene						A
1	9.347	9.347	0.000	11168019	47.1	A
17 Anthracene						A
1	9.436	9.436	0.000	10943691	46.7	A
20 n-Octadecane						
2	10.483	10.483	0.000	9227899	49.6	
22 C19						
2	11.434	11.434	0.000	9241164	47.0	
19 Fluoranthene						A
1	11.817	11.817	0.000	10833057	46.7	A
21 Pyrene						A
1	12.274	12.274	0.000	10988703	45.9	A
23 icosane						
2	12.363	12.363	0.000	8139604	43.4	
27 n-Docosane						
2	14.141	14.141	0.000	8027443	48.9	
24 Benzo[a]anthracene						A
1	14.977	14.977	0.000	8963007	50.2	A
25 Chrysene						A
1	15.074	15.074	0.000	10168923	50.5	A
28 n-Tetracosane						
2	15.796	15.796	0.000	8372860	48.4	
29 Benzo[b]fluoranthene						A
1	17.283	17.283	0.000	9762444	46.1	A
32 n-Hexacosane						
2	17.338	17.338	0.000	8571672	48.2	
30 Benzo[k]fluoranthene						A
1	17.346	17.346	0.000	9452254	47.4	A
31 Benzo[a]pyrene						A
1	17.900	17.900	0.000	9791174	44.3	A
35 n-Octacosane						
2	18.771	18.771	0.000	8764062	48.0	
33 Indeno[1,2,3-cd]pyrene						A
1	19.924	19.924	0.000	10095607	45.5	A
34 Dibenz(a,h)anthracene						A
1	19.994	19.994	0.000	8787996	49.5	A
37 Triacontane						
2	20.112	20.112	0.000	9012550	47.8	
36 Benzo[g,h,i]perylene						A
1	20.341	20.341	0.000	9628511	45.3	A
38 n-Hexatriacontane						
2	24.110	24.110	0.000	8508368	47.4	
A 39 C9-C18 Aliphatics						
2	6.704	2.831 - 10.583		62028711	288.5	
A 40 C11-C22 Aromatics						
1	12.797	4.561 - 20.707		183685583	810.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.473	10.583	-24.400	75834746	389.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.0	
2					0	
S 43 Total EPH						
1					773.8	
S 44 EPH Adjustment 1						
1					714.4	

QC Flag Legend

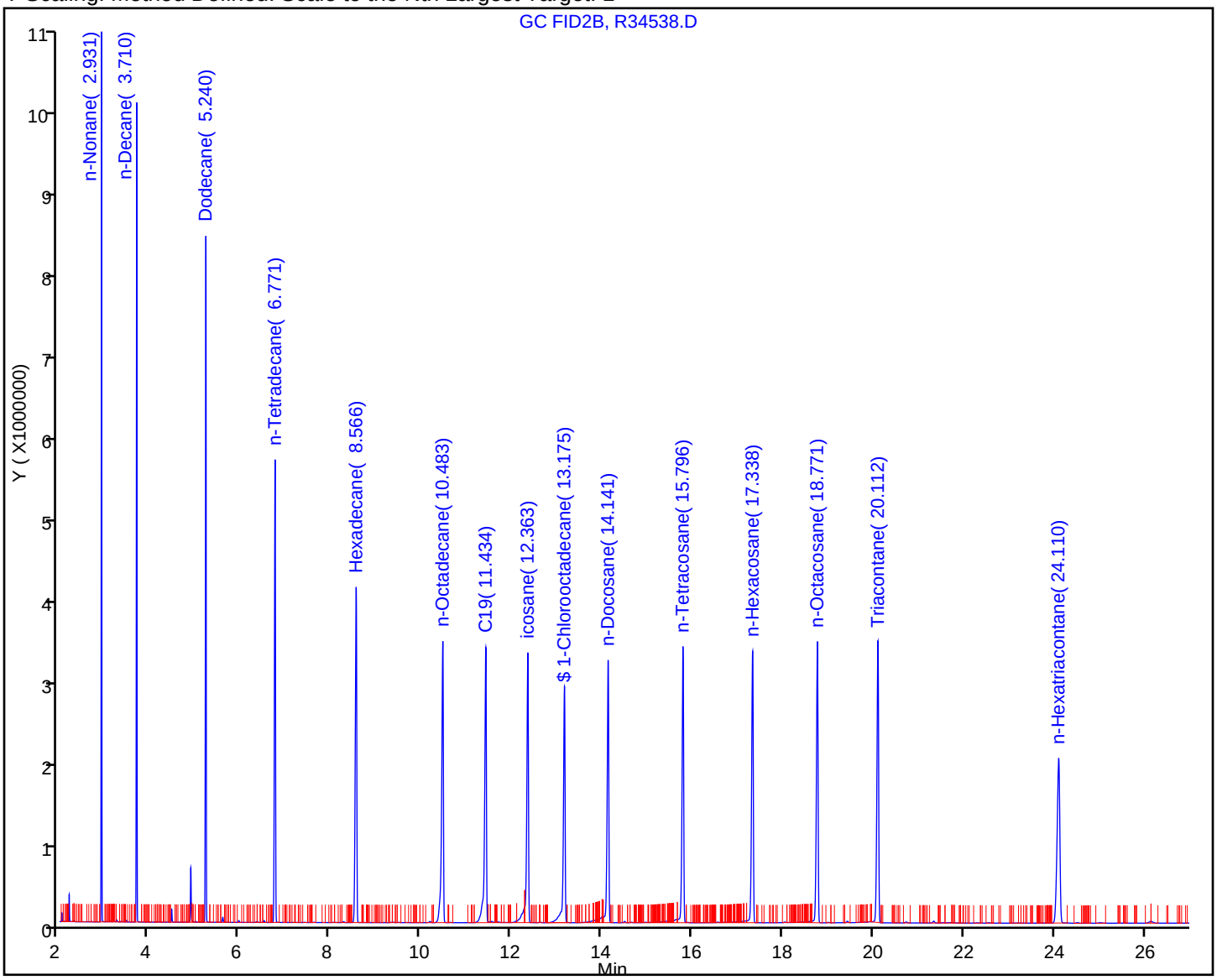
Review Flags
A - User Assigned ID

Report Date: 02-Dec-2010 10:18:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34538.D

Injection Date:	29-Nov-2010 16:31:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	1
Operator ID:	SS	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\20101202-4253.b\R34542.D		
Lims ID:	std01	Client ID:	
Inject. Date:	29-Nov-2010 17:39:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	66573	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.879	5.887	-0.008	24188	0.1110	
$ 2 2-Bromonaphthalene						
1	6.718	6.731	-0.013	15811	0.1078	
$ 3 o-Terphenyl						
1	10.273	10.294	-0.021	29313	0.1166	
$ 4 1-Chlorooctadecane						
2	13.164	13.175	-0.011	31947	0.0725	
5 n-Nonane						
2	2.930	2.931	-0.001	21469	0.1078	
6 n-Decane						
2	3.707	3.710	-0.003	20117	0.1010	
7 Naphthalene						
1	4.654	4.661	-0.007	27990	0.1090	
9 Dodecane						M
2	5.239	5.240	-0.001	18455	0.0933	M
8 2-Methylnaphthalene						
1	5.413	5.421	-0.008	26944	0.1081	
11 Acenaphthylene						M
1	6.532	6.546	-0.014	25810	0.1058	M
15 n-Tetradecane						M
2	6.769	6.771	-0.002	27031	0.1317	M
12 Acenaphthene						M
1	6.804	6.822	-0.018	25357	0.1019	M
14 Fluorene						
1	7.601	7.620	-0.019	35567	0.0764	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						M
2	8.561	8.566	-0.005	28978	0.0895	M
16 Phenanthrene						M
1	9.324	9.347	-0.023	23671	0.0998	M
17 Anthracene						M
1	9.409	9.436	-0.027	26667	0.1137	M
20 n-Octadecane						M
2	10.472	10.483	-0.011	30384	0.0881	M
22 C19						M
2	11.421	11.434	-0.013	24955	0.1270	M
19 Fluoranthene						
1	11.783	11.817	-0.034	25766	0.1112	
21 Pyrene						
1	12.240	12.274	-0.034	29691	0.1240	
23 icosane						M
2	12.352	12.363	-0.011	22724	0.1210	M
27 n-Docosane						
2	14.127	14.141	-0.014	28251	0.0703	
24 Benzo[a]anthracene						
1	14.945	14.977	-0.032	44074	0.0593	
25 Chrysene						
1	15.029	15.074	-0.045	29169	0.0523	
28 n-Tetracosane						
2	15.783	15.796	-0.013	30855	0.0643	
29 Benzo[b]fluoranthene						A
1	17.235	17.283	-0.048	41911	0.3424	A
32 n-Hexacosane						
2	17.318	17.338	-0.020	39589	0.0719	
30 Benzo[k]fluoranthene						A
1	17.289	17.346	-0.057	31766	0.0587	A
31 Benzo[a]pyrene						M
1	17.846	17.900	-0.054	26641	0.1206	M
35 n-Octacosane						
2	18.752	18.771	-0.019	42569	0.0701	
33 Indeno[1,2,3-cd]pyrene						M
1	19.864	19.924	-0.060	28324	0.1276	M
34 Dibenz(a,h)anthracene						M
1	19.934	19.994	-0.060	26651	0.0540	M
37 Triacontane						
2	20.089	20.112	-0.023	37400	0.0706	
36 Benzo[g,h,i]perylene						M
1	20.264	20.341	-0.077	24097	0.1133	M
38 n-Hexatriacontane						
2	24.074	24.110	-0.036	17534	0.0976	
S 42 C11-C22 Aromatics (Adjusted)						
1					-1.70	
2					0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
1					-1.70	
S 44 EPH Adjustment 1						
1					1.70	

QC Flag Legend

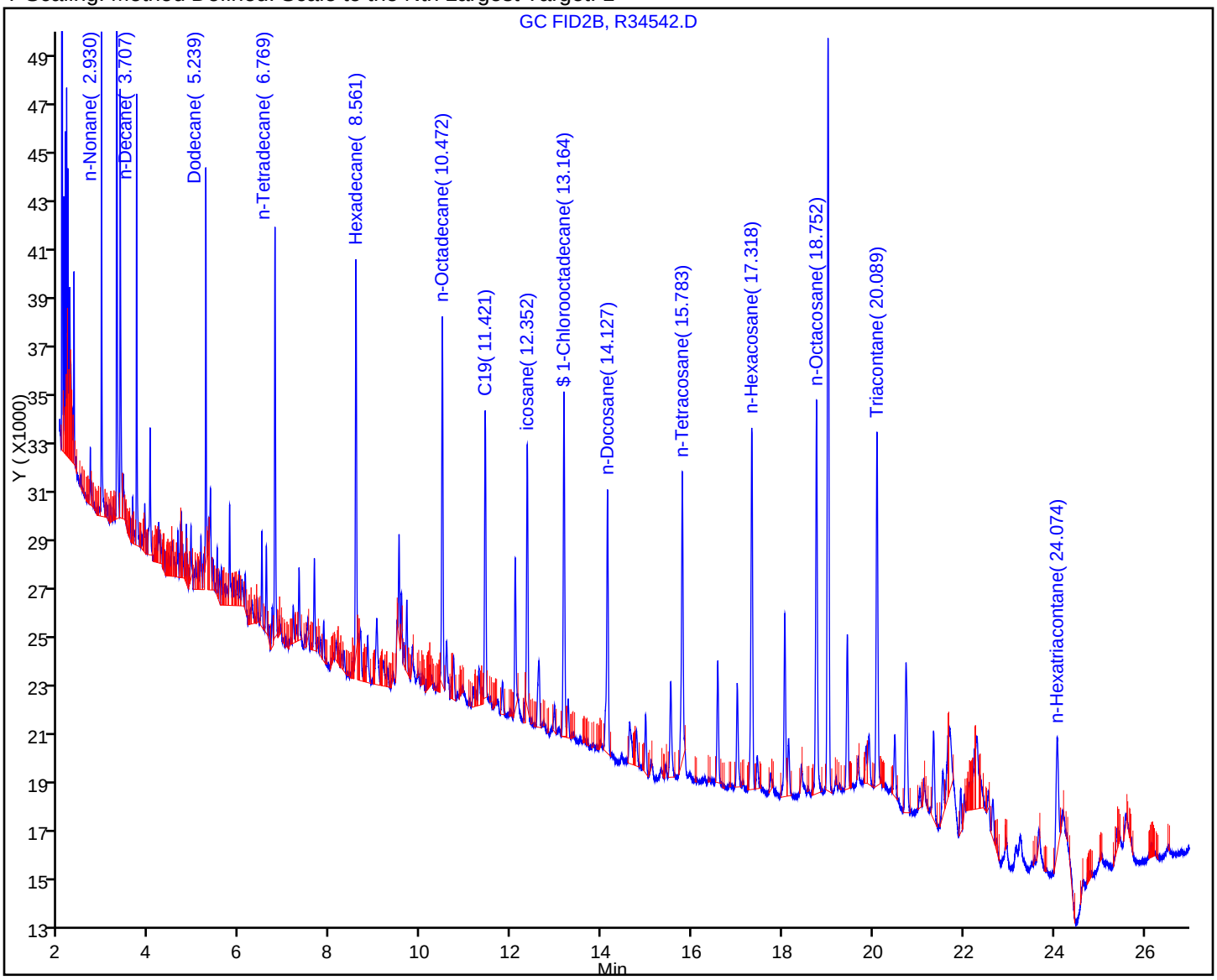
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D

Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

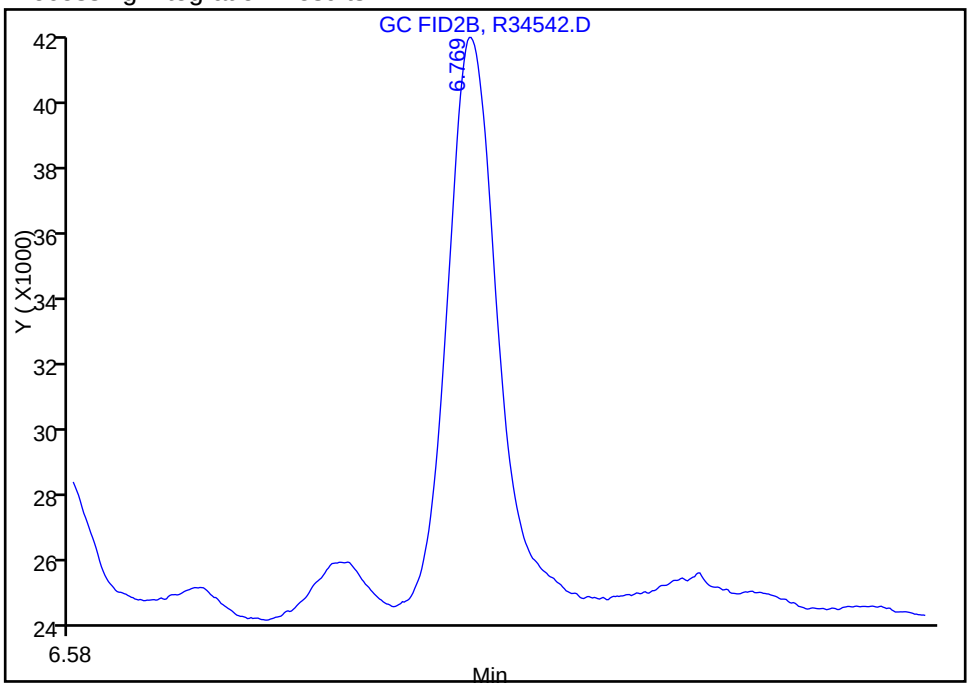
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

15 n-Tetradecane, Signal: 1, Type: quant, RT: 6.77, Det: GC FID2B

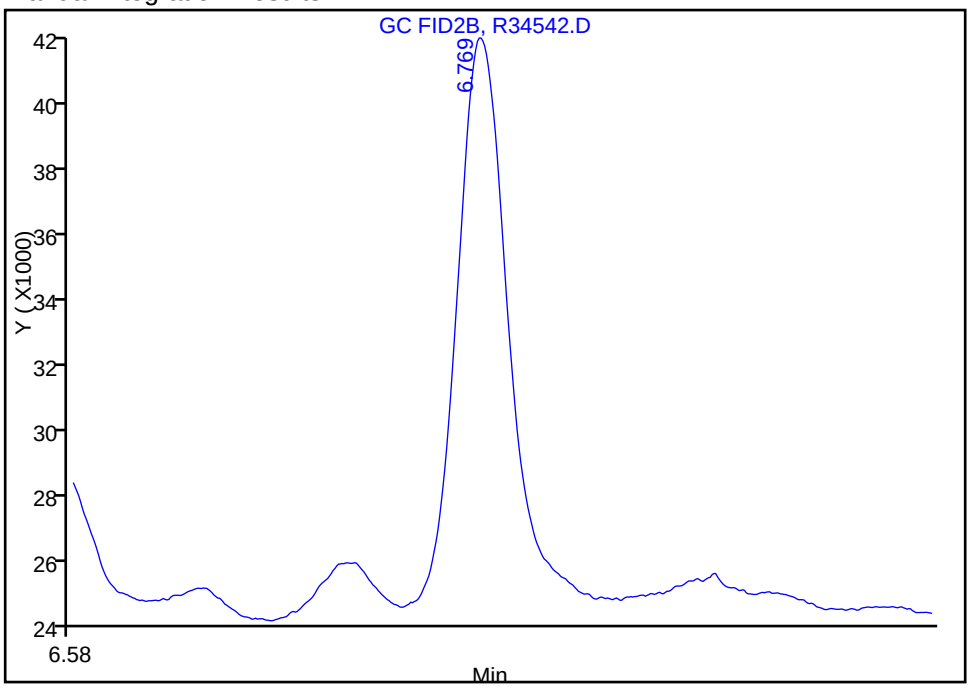
Processing Integration Results

RT: 6.77
Response: 28253
Amount: 0.136739



Manual Integration Results

RT: 6.77
Response: 27031
Amount: 0.131690



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

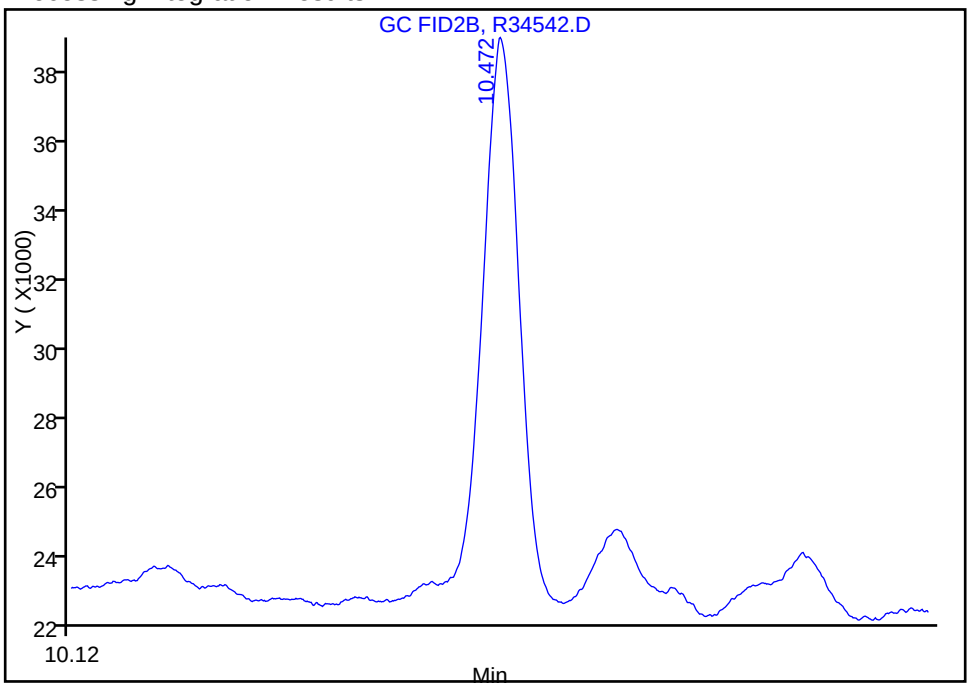
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

20 n-Octadecane, Signal: 1, Type: quant, RT: 10.48, Det: GC FID2B

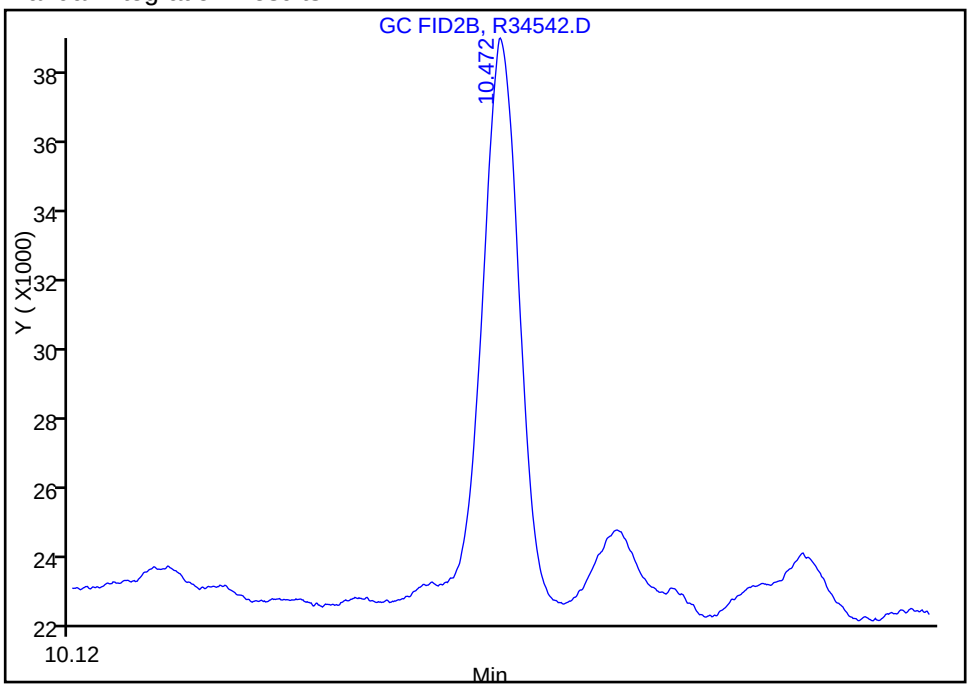
Processing Integration Results

RT: 10.47
Response: 32651
Amount: 0.156080



Manual Integration Results

RT: 10.47
Response: 30384
Amount: 0.088062



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

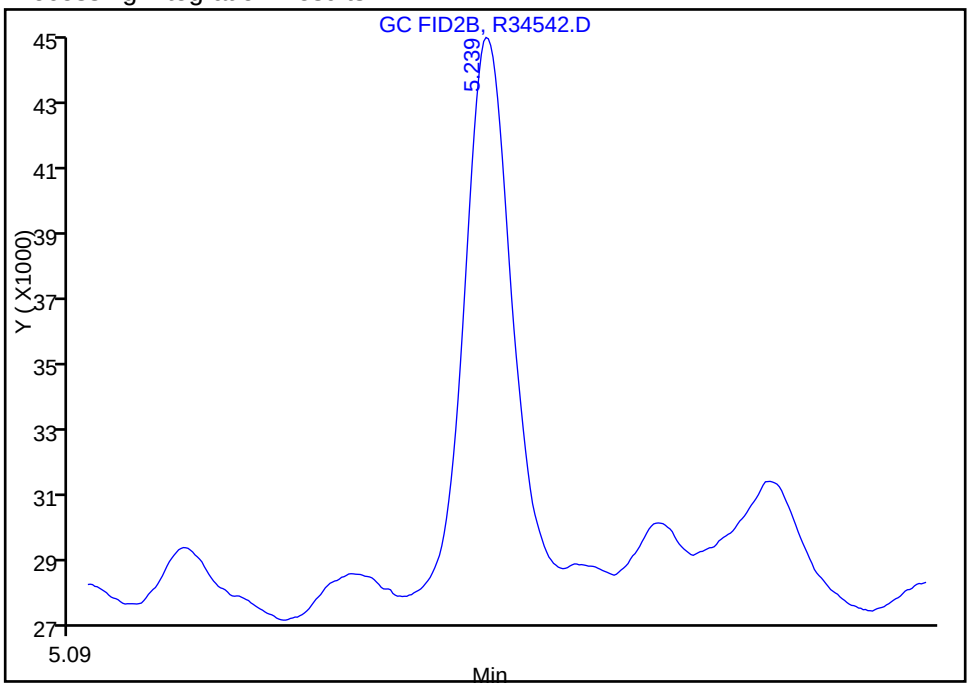
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.24, Det: GC FID2B

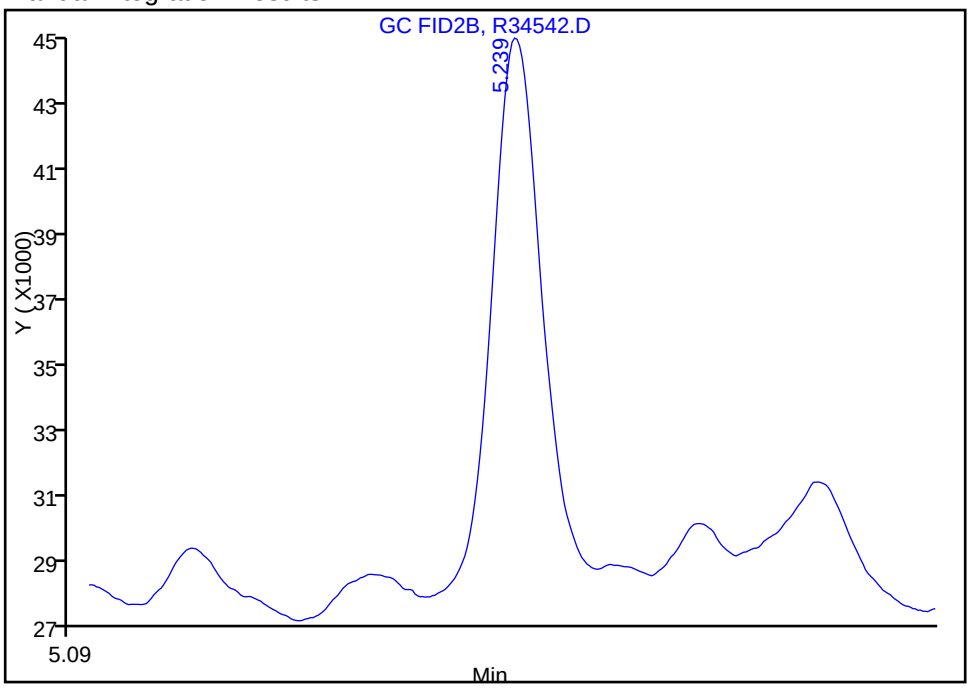
Processing Integration Results

RT: 5.24
Response: 23769
Amount: 0.116735



Manual Integration Results

RT: 5.24
Response: 18455
Amount: 0.093343



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

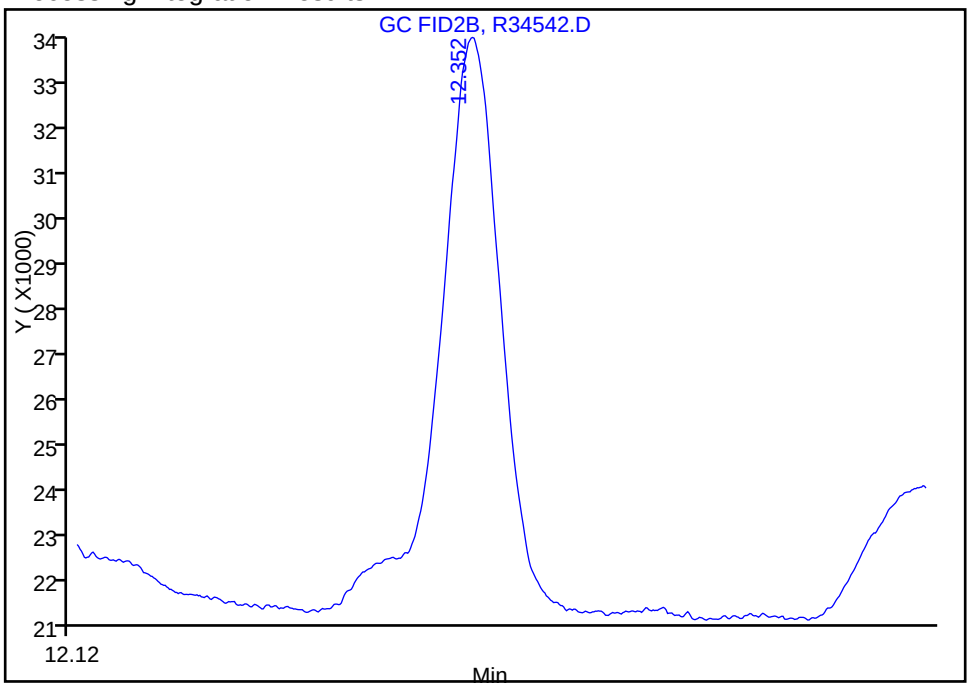
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

23 icosane, Signal: 1, Type: quant, RT: 12.36, Det: GC FID2B

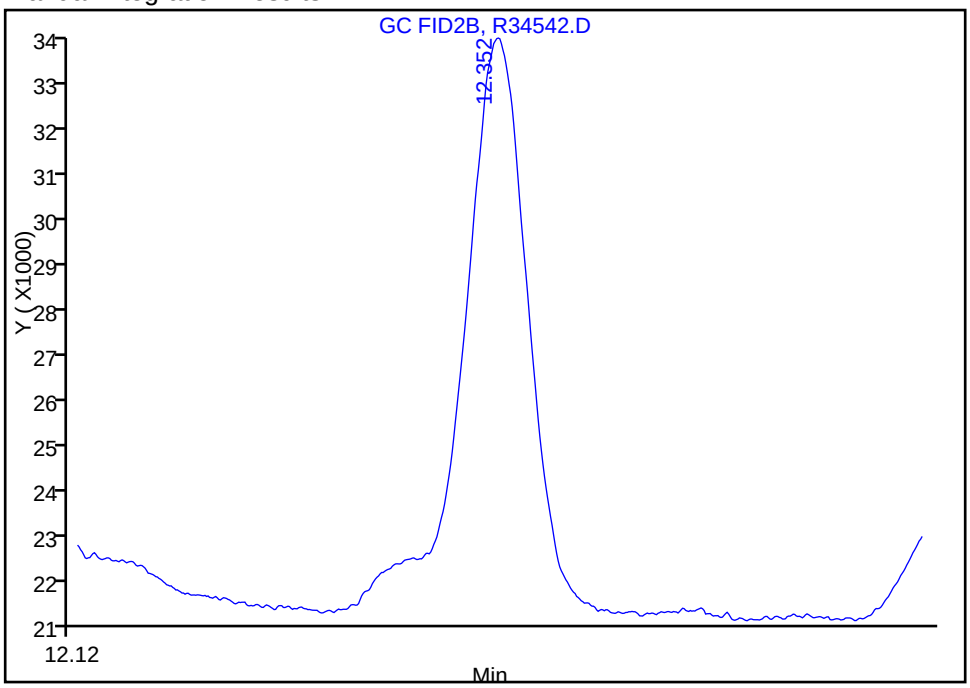
Processing Integration Results

RT: 12.35
Response: 26429
Amount: 0.137753



Manual Integration Results

RT: 12.35
Response: 22724
Amount: 0.121039



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

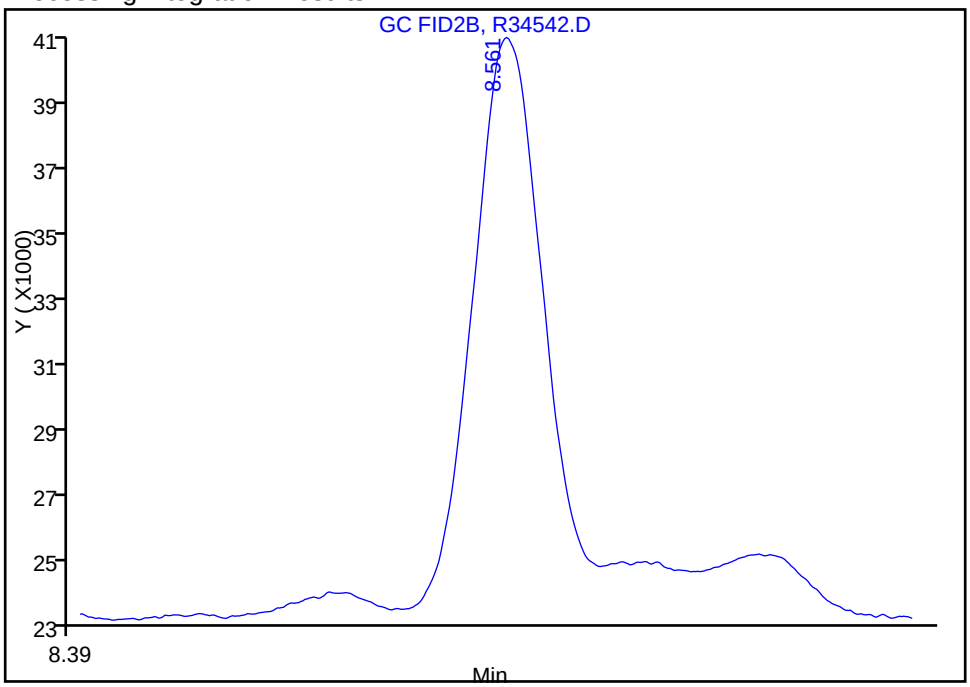
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

18 Hexadecane, Signal: 1, Type: quant, RT: 8.57, Det: GC FID2B

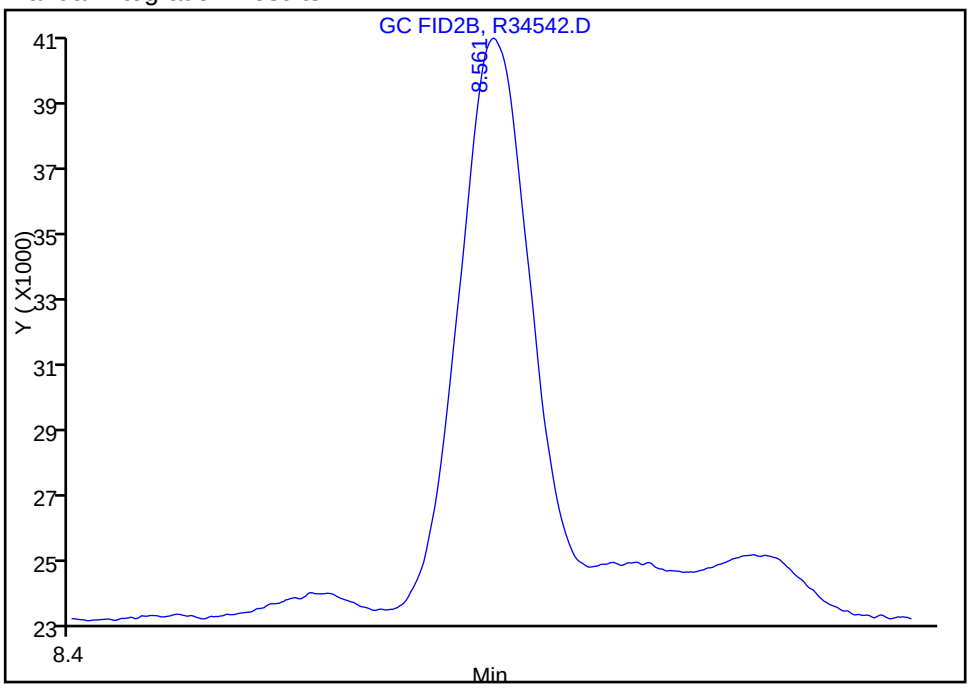
Processing Integration Results

RT: 8.56
Response: 33656
Amount: 0.158520



Manual Integration Results

RT: 8.56
Response: 28978
Amount: 0.089464



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:18:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

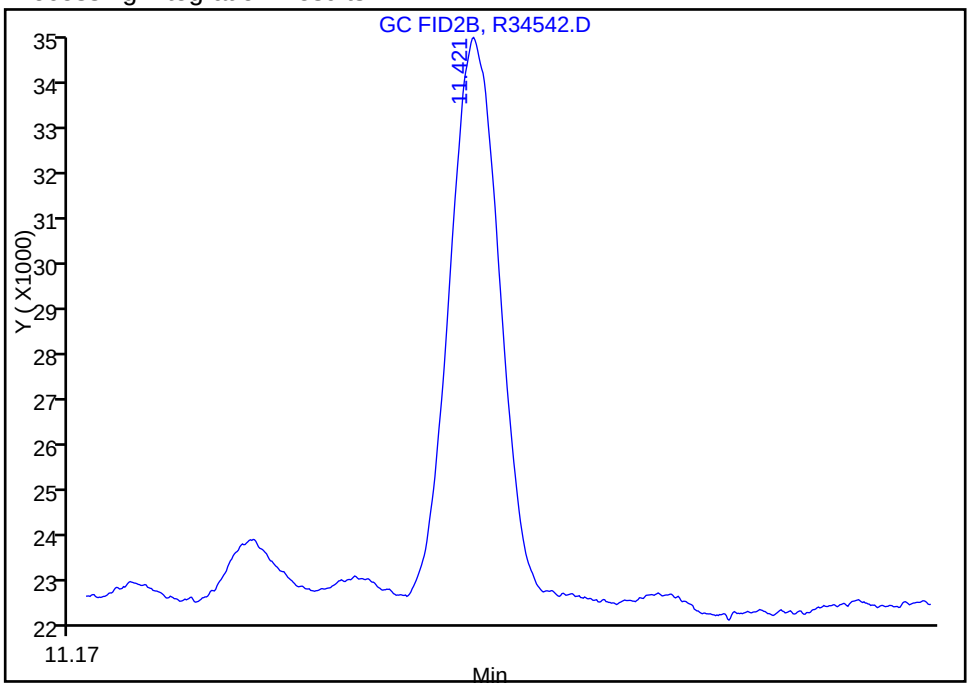
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34542.D		
Injection Date:	29-Nov-2010 17:39:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	2
Operator ID:	SS	Injection Vol:	1.00 ul

22 C19, Signal: 1, Type: quant, RT: 11.43, Det: GC FID2B

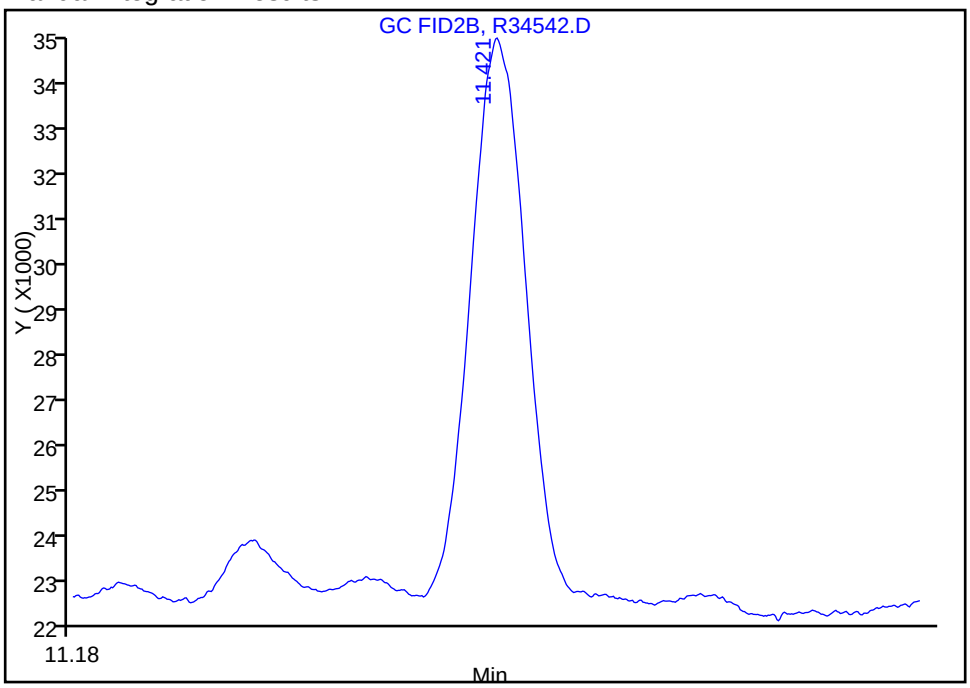
Processing Integration Results

RT: 11.42
Response: 26677
Amount: 0.134436



Manual Integration Results

RT: 11.42
Response: 24955
Amount: 0.126982



Reviewer: sadowskis, 02-Dec-2010 10:04:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Lims ID:	std05	Client ID:	
Inject. Date:	29-Nov-2010 18:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD05		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	66573	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.879	5.887	-0.008	121546	0.5575	
$ 2 2-Bromonaphthalene						
1	6.719	6.731	-0.012	82096	0.5599	
$ 3 o-Terphenyl						
1	10.274	10.294	-0.020	143140	0.5694	
$ 4 1-Chlorooctadecane						M
2	13.165	13.175	-0.010	104230	0.5618	M
5 n-Nonane						
2	2.929	2.931	-0.002	102697	0.5157	
6 n-Decane						
2	3.704	3.710	-0.006	102174	0.5132	
7 Naphthalene						
1	4.654	4.661	-0.007	143969	0.5606	
9 Dodecane						M
2	5.236	5.240	-0.004	98643	0.4989	M
8 2-Methylnaphthalene						
1	5.413	5.421	-0.008	140009	0.5619	
11 Acenaphthylene						
1	6.533	6.546	-0.013	138605	0.5682	
15 n-Tetradecane						M
2	6.768	6.771	-0.003	105908	0.5160	M
12 Acenaphthene						
1	6.805	6.822	-0.017	142391	0.5723	
14 Fluorene						
1	7.602	7.620	-0.018	146375	0.5632	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						M
2	8.561	8.566	-0.005	108171	0.5080	M
16 Phenanthrene						
1	9.323	9.347	-0.024	143296	0.6042	
17 Anthracene						
1	9.408	9.436	-0.028	136471	0.5820	
20 n-Octadecane						
2	10.473	10.483	-0.010	112355	0.5291	
22 C19						
2	11.423	11.434	-0.011	106061	0.5397	
19 Fluoranthene						
1	11.787	11.817	-0.030	133797	0.5774	
21 Pyrene						
1	12.240	12.274	-0.034	133595	0.5580	
23 icosane						
2	12.352	12.363	-0.011	106382	0.5666	
27 n-Docosane						
2	14.128	14.141	-0.013	105579	0.5427	
24 Benzo[a]anthracene						
1	14.944	14.977	-0.033	140991	0.6041	
25 Chrysene						
1	15.028	15.074	-0.046	133376	0.5703	
28 n-Tetracosane						
2	15.783	15.796	-0.013	117638	0.5675	
29 Benzo[b]fluoranthene						
1	17.242	17.283	-0.041	141940	0.7844	
32 n-Hexacosane						
2	17.319	17.338	-0.019	120756	0.5294	
30 Benzo[k]fluoranthene						
1	17.289	17.346	-0.057	142562	0.6158	
31 Benzo[a]pyrene						
1	17.846	17.900	-0.054	130740	0.5919	
35 n-Octacosane						
2	18.753	18.771	-0.018	126811	0.5327	
33 Indeno[1,2,3-cd]pyrene						M
1	19.860	19.924	-0.064	125564	0.5655	M
34 Dibenz(a,h)anthracene						M
1	19.935	19.994	-0.059	116584	0.5611	M
37 Triacontane						
2	20.090	20.112	-0.022	122880	0.5252	
36 Benzo[g,h,i]perylene						M
1	20.265	20.341	-0.076	119564	0.5621	M
38 n-Hexatriacontane						
2	24.075	24.110	-0.035	99524	0.5540	
S 42 C11-C22 Aromatics (Adjusted)						
1					-8.88	
2					0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
1					-8.88	
S 44 EPH Adjustment 1						
1					8.88	

QC Flag Legend

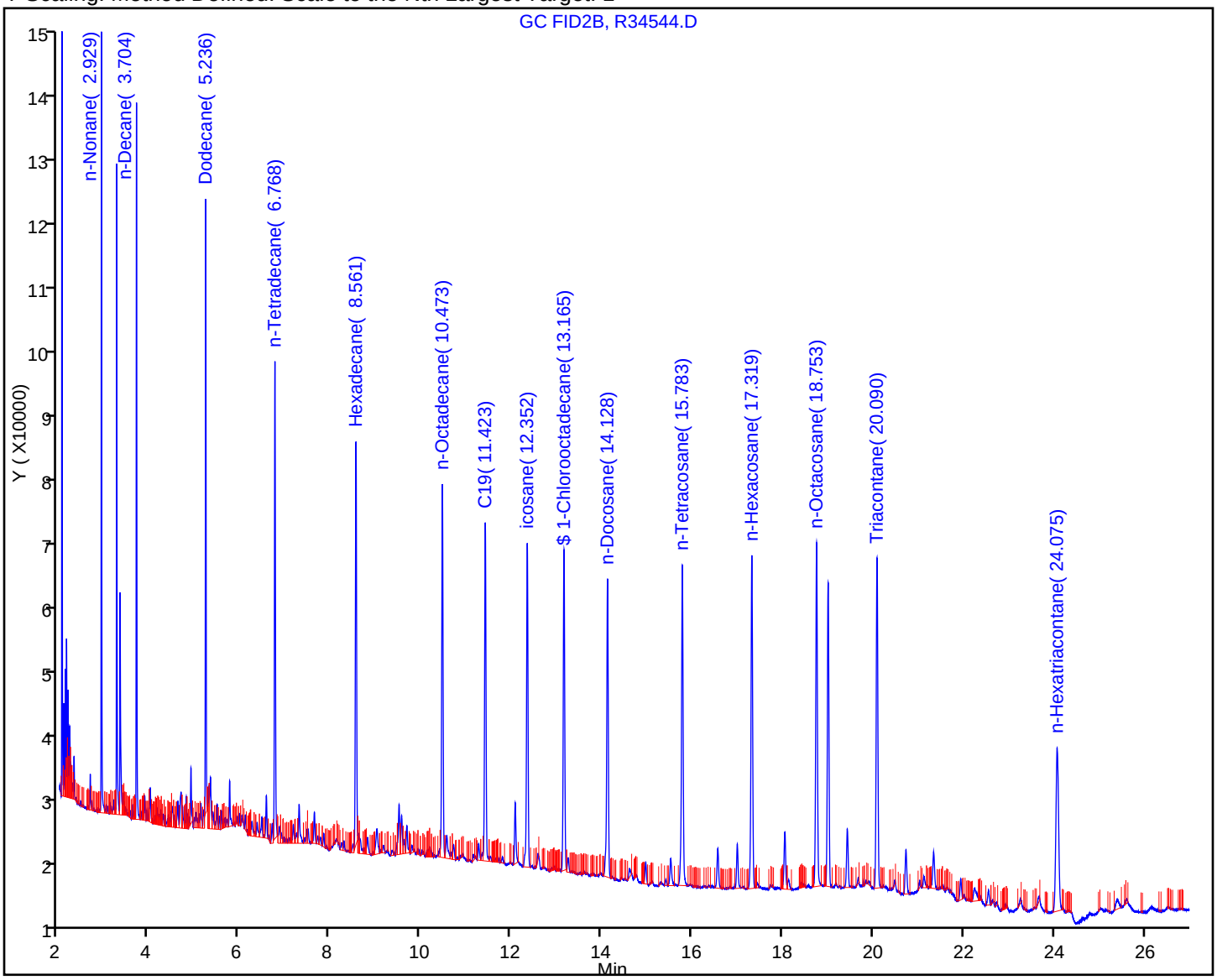
Review Flags
M - Manually Integrated

Report Date: 02-Dec-2010 10:18:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D

Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



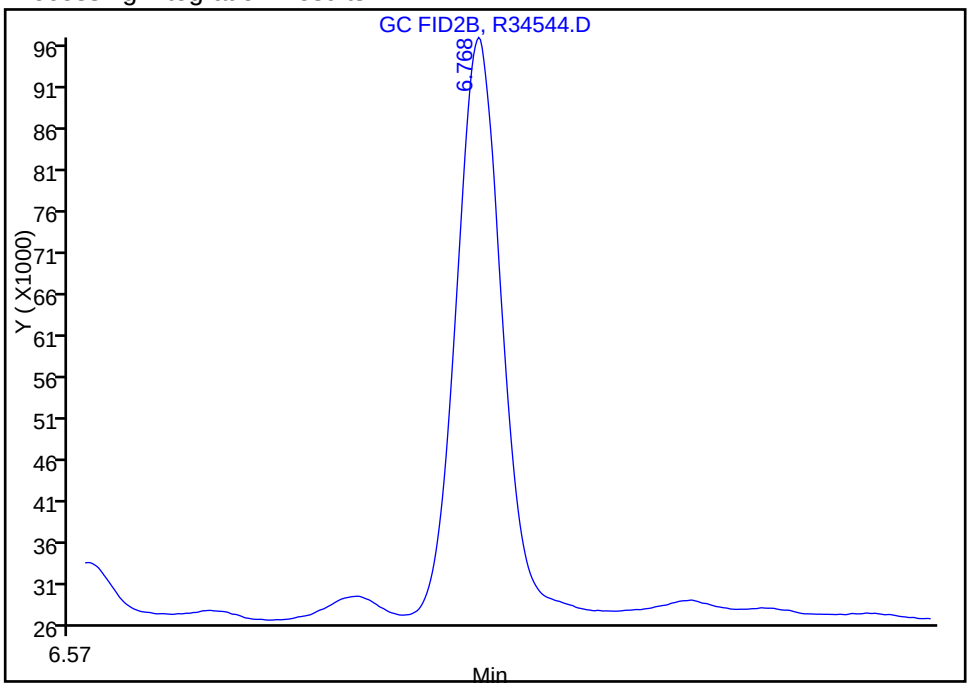
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

15 n-Tetradecane, Signal: 1, Type: quant, RT: 6.77, Det: GC FID2B

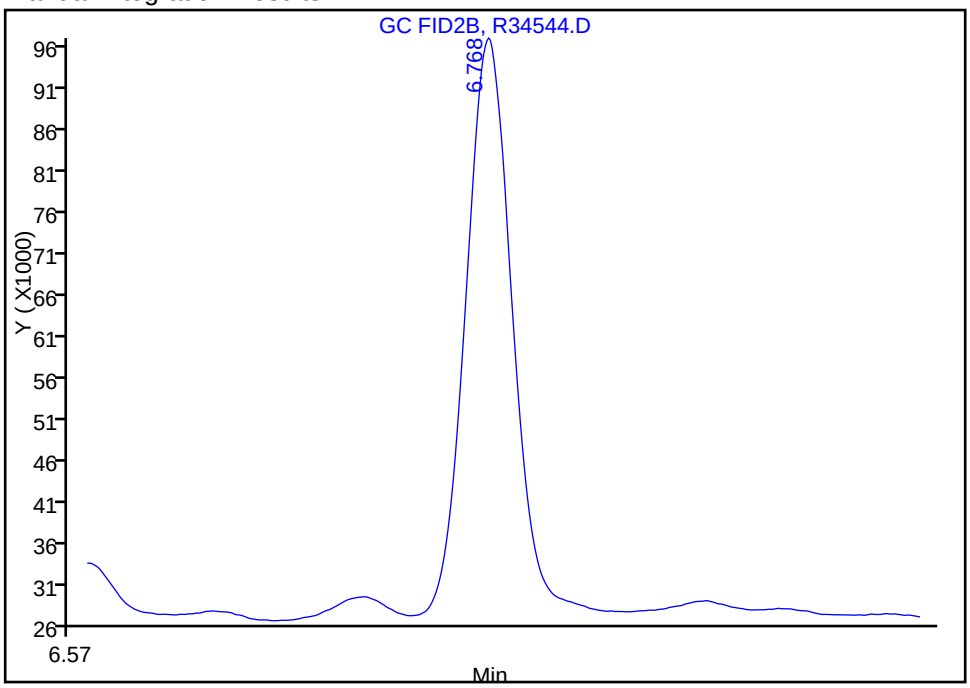
Processing Integration Results

RT: 6.77
Response: 110794
Amount: 0.533417



Manual Integration Results

RT: 6.77
Response: 105908
Amount: 0.515963



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:18:54 Chrom Revision: 1.2 29-Oct-2010 14:13:24

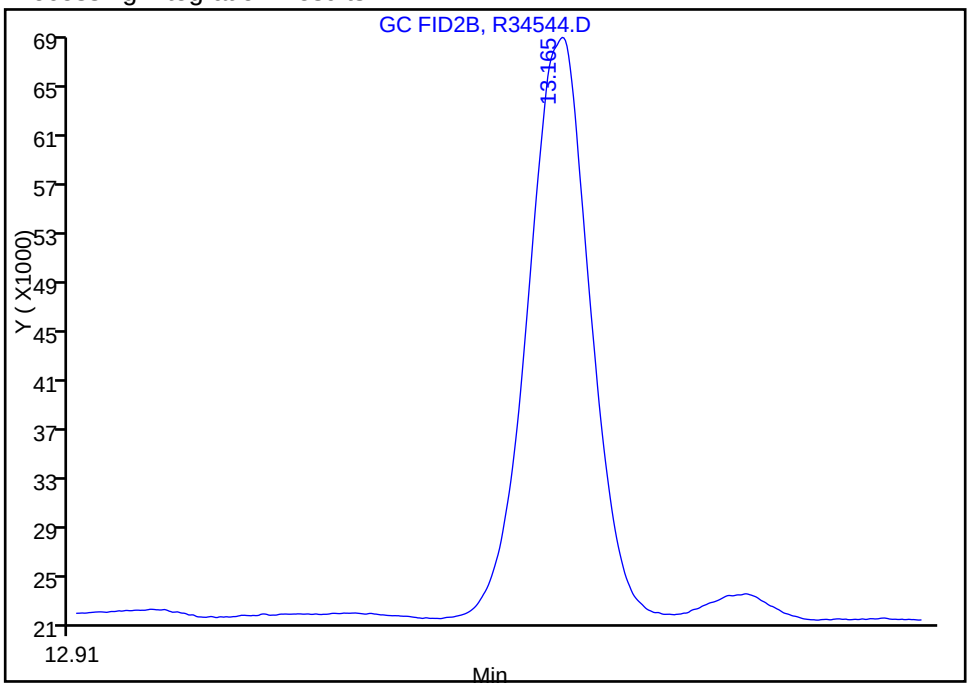
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

$ 4 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 13.17, Det: GC FID2B

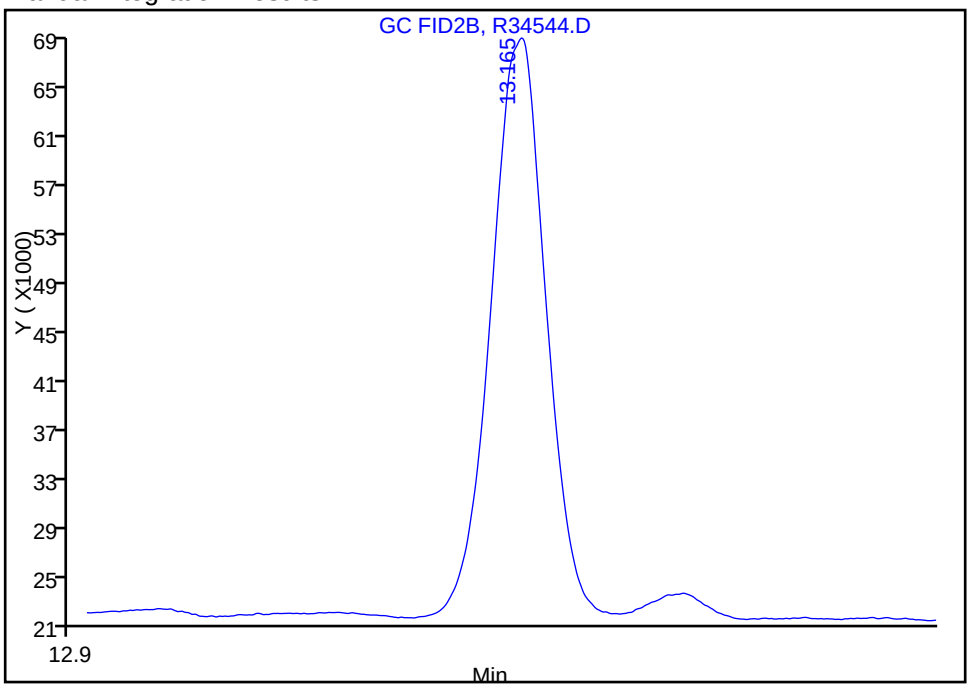
Processing Integration Results

RT: 13.17
Response: 57064
Amount: 0.290403



Manual Integration Results

RT: 13.17
Response: 104230
Amount: 0.561836



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

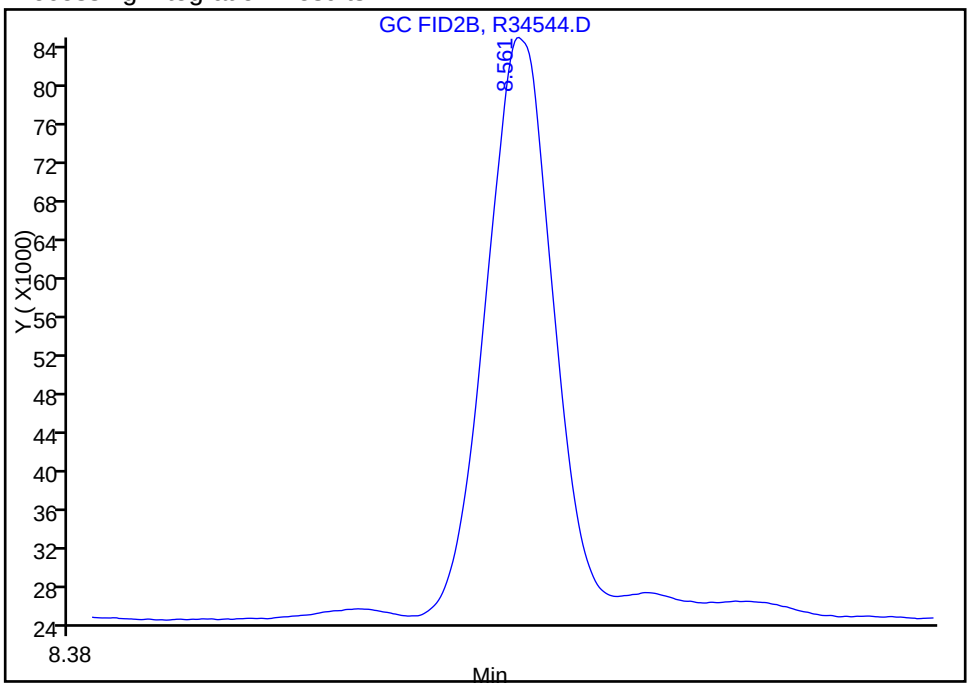
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

18 Hexadecane, Signal: 1, Type: quant, RT: 8.57, Det: GC FID2B

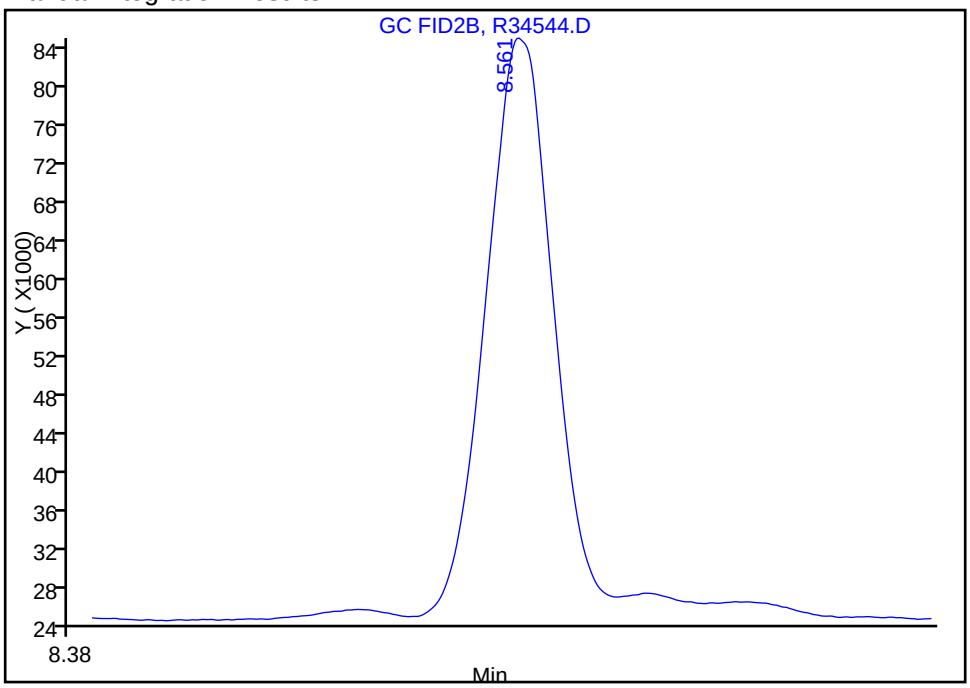
Processing Integration Results

RT: 8.56
Response: 114178
Amount: 0.534419



Manual Integration Results

RT: 8.56
Response: 108171
Amount: 0.508016



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

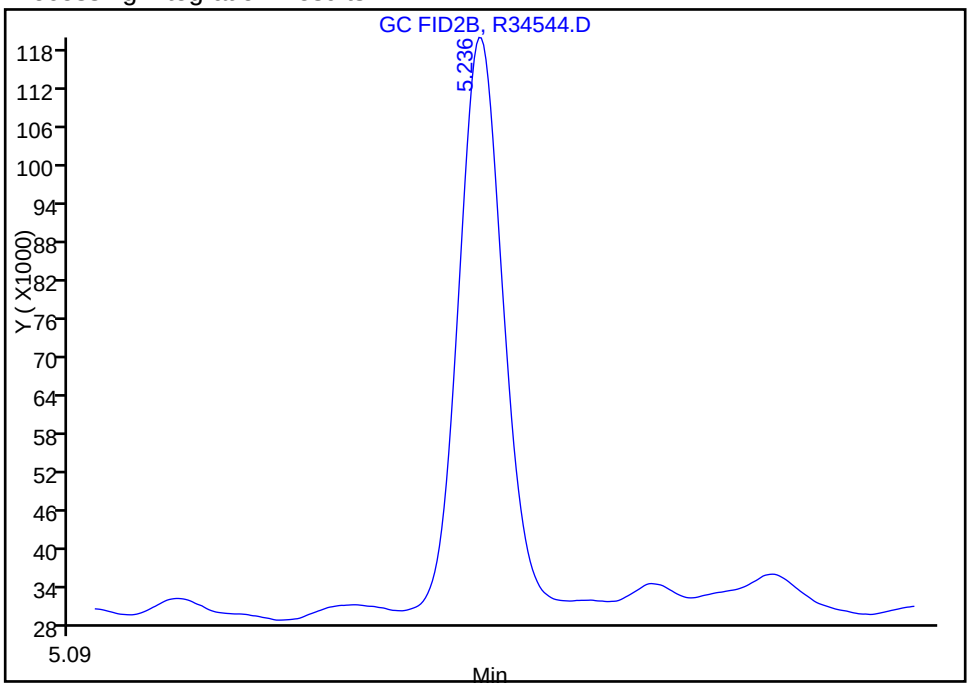
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34544.D		
Injection Date:	29-Nov-2010 18:13:30	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	3
Operator ID:	SS	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.24, Det: GC FID2B

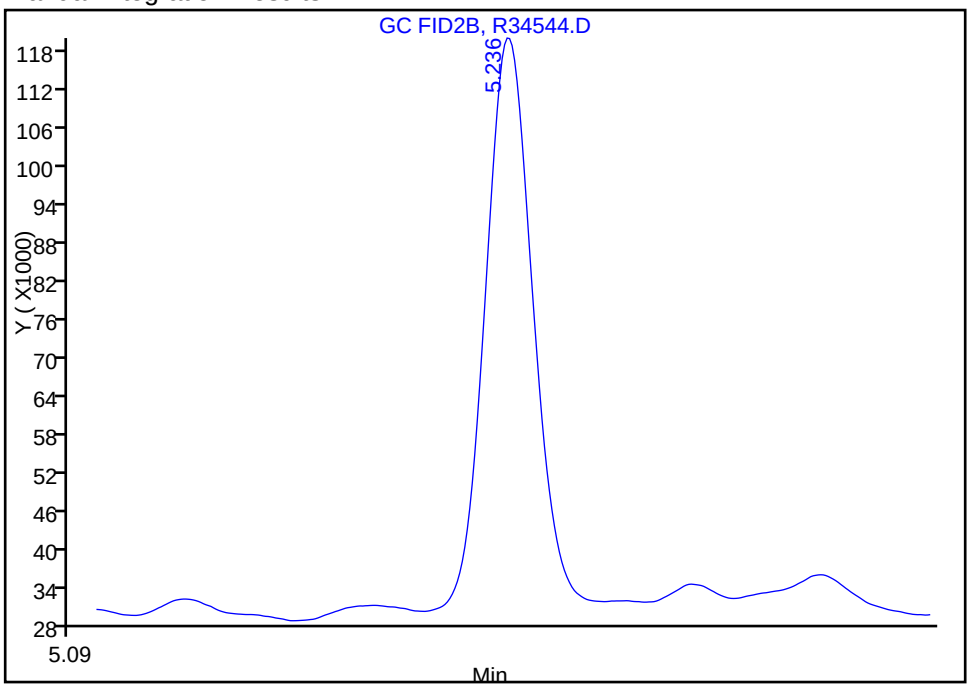
Processing Integration Results

RT: 5.24
Response: 109382
Amount: 0.530976



Manual Integration Results

RT: 5.24
Response: 98643
Amount: 0.498926



Reviewer: sadowskis, 02-Dec-2010 09:58:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34546.D		
Lims ID:	std1	Client ID:	
Inject. Date:	29-Nov-2010 18:48:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD1		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	66573	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:18:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.880	5.887	-0.007	200591	0.9201	
$ 2 2-Bromonaphthalene						
1	6.719	6.731	-0.012	134967	0.9205	
$ 3 o-Terphenyl						
1	10.277	10.294	-0.017	233426	0.9286	
$ 4 1-Chlorooctadecane						
2	13.165	13.175	-0.010	156136	0.9132	
5 n-Nonane						
2	2.928	2.931	-0.003	195138	0.9799	
6 n-Decane						
2	3.704	3.710	-0.006	194091	0.9749	
7 Naphthalene						
1	4.654	4.661	-0.007	237792	0.9259	
9 Dodecane						
2	5.236	5.240	-0.004	196902	1.00	
8 2-Methylnaphthalene						
1	5.413	5.421	-0.008	232286	0.9323	
11 Acenaphthylene						
1	6.534	6.546	-0.012	227434	0.9324	
15 n-Tetradecane						
2	6.768	6.771	-0.003	196735	0.9585	
12 Acenaphthene						
1	6.806	6.822	-0.016	235095	0.9449	
14 Fluorene						
1	7.603	7.620	-0.017	225058	0.9089	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.560	8.566	-0.006	201011	1.00	
16 Phenanthrene						
1	9.325	9.347	-0.022	220646	0.9303	
17 Anthracene						
1	9.409	9.436	-0.027	218247	0.9308	
20 n-Octadecane						
2	10.474	10.483	-0.009	193544	0.9660	
22 C19						
2	11.422	11.434	-0.012	189745	0.9655	
19 Fluoranthene						
1	11.786	11.817	-0.031	214586	0.9260	
21 Pyrene						
1	12.240	12.274	-0.034	221315	0.9245	
23 icosane						
2	12.352	12.363	-0.011	188069	1.00	
27 n-Docosane						
2	14.126	14.141	-0.015	185694	1.03	
24 Benzo[a]anthracene						
1	14.947	14.977	-0.030	187432	0.8651	
25 Chrysene						
1	15.030	15.074	-0.044	216041	0.9812	
28 n-Tetracosane						
2	15.781	15.796	-0.015	205081	1.07	
29 Benzo[b]fluoranthene						
1	17.240	17.283	-0.043	207733	1.08	
32 n-Hexacosane						
2	17.319	17.338	-0.019	221516	1.10	
30 Benzo[k]fluoranthene						
1	17.289	17.346	-0.057	220252	1.01	
31 Benzo[a]pyrene						
1	17.850	17.900	-0.050	214334	0.9703	
35 n-Octacosane						
2	18.755	18.771	-0.016	231836	1.11	
33 Indeno[1,2,3-cd]pyrene						
1	19.864	19.924	-0.060	210029	0.9459	
34 Dibenz(a,h)anthracene						
1	19.939	19.994	-0.055	200297	1.03	
37 Triacontane						
2	20.090	20.112	-0.022	232852	1.11	
36 Benzo[g,h,i]perylene						
1	20.265	20.341	-0.076	209049	0.9828	
38 n-Hexatriacontane						
2	24.080	24.110	-0.030	178680	0.99	
S 42 C11-C22 Aromatics (Adjusted)						
1					-14.2	
2					0	

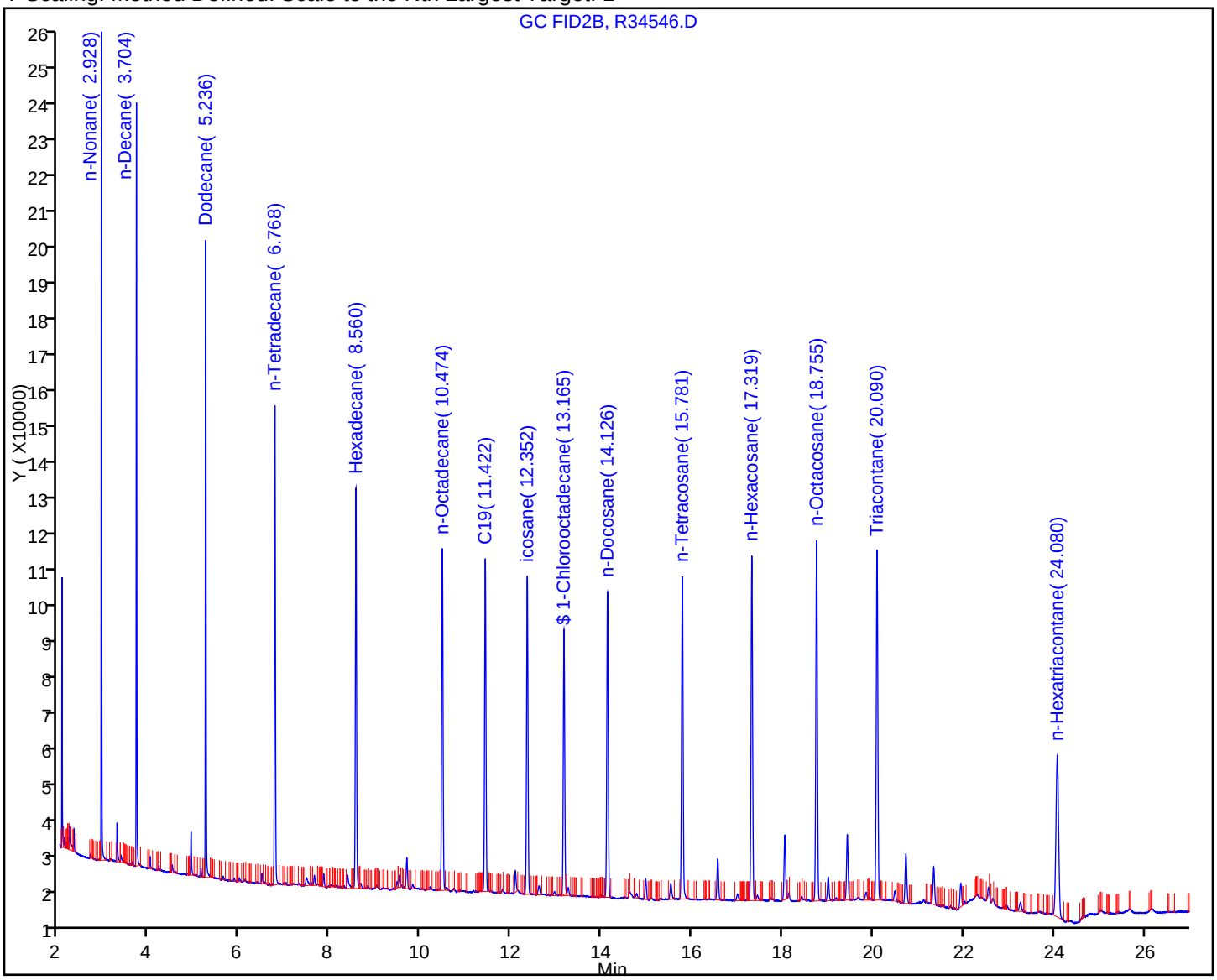
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
1					-14.2	
S 44 EPH Adjustment 1						
1					14.2	

Report Date: 02-Dec-2010 10:18:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34546.D

Injection Date:	29-Nov-2010 18:48:03	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	4
Operator ID:	SS	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\20101202-4253.b\R34548.D		
Lims ID:	std5	Client ID:	
Inject. Date:	29-Nov-2010 19:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD5		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	66573	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.881	5.887	-0.006	1051779	4.82	
$ 2 2-Bromonaphthalene						
1	6.721	6.731	-0.010	720567	4.91	
$ 3 o-Terphenyl						
1	10.277	10.294	-0.017	1240694	4.94	
$ 4 1-Chlorooctadecane						M
2	13.165	13.175	-0.010	754163	4.96	M
5 n-Nonane						
2	2.927	2.931	-0.004	947836	4.76	
6 n-Decane						
2	3.704	3.710	-0.006	957527	4.81	
7 Naphthalene						
1	4.654	4.661	-0.007	1246055	4.85	
9 Dodecane						
2	5.236	5.240	-0.004	964189	4.88	
8 2-Methylnaphthalene						
1	5.414	5.421	-0.007	1213750	4.87	
11 Acenaphthylene						
1	6.535	6.546	-0.011	1194903	4.90	
15 n-Tetradecane						
2	6.766	6.771	-0.005	941430	4.59	
12 Acenaphthene						
1	6.808	6.822	-0.014	1225651	4.93	
14 Fluorene						
1	7.605	7.620	-0.015	1191293	5.15	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.561	8.566	-0.005	932846	4.87	
16 Phenanthrene						
1	9.326	9.347	-0.021	1182287	4.99	
17 Anthracene						
1	9.412	9.436	-0.024	1145042	4.88	
20 n-Octadecane						
2	10.473	10.483	-0.010	912664	4.84	
22 C19						
2	11.423	11.434	-0.011	900456	4.58	
19 Fluoranthene						
1	11.789	11.817	-0.028	1149535	4.96	
21 Pyrene						
1	12.244	12.274	-0.030	1182284	4.94	
23 icosane						
2	12.351	12.363	-0.012	883154	4.70	
27 n-Docosane						
2	14.128	14.141	-0.013	856373	5.13	
24 Benzo[a]anthracene						
1	14.950	14.977	-0.027	1014478	5.51	
25 Chrysene						
1	15.034	15.074	-0.040	1134627	5.55	
28 n-Tetracosane						
2	15.782	15.796	-0.014	889814	5.04	
29 Benzo[b]fluoranthene						A
1	17.245	17.283	-0.038	1050549	4.82	A
32 n-Hexacosane						
2	17.321	17.338	-0.017	910730	4.98	
30 Benzo[k]fluoranthene						A
1	17.295	17.346	-0.051	1110504	5.48	A
31 Benzo[a]pyrene						
1	17.852	17.900	-0.048	1087939	4.93	
35 n-Octacosane						
2	18.751	18.771	-0.020	933772	4.96	
33 Indeno[1,2,3-cd]pyrene						
1	19.869	19.924	-0.055	1038205	4.68	
34 Dibenz(a,h)anthracene						
1	19.942	19.994	-0.052	993895	5.51	
37 Triacontane						
2	20.090	20.112	-0.022	962032	4.99	
36 Benzo[g,h,i]perylene						
1	20.274	20.341	-0.067	1023552	4.81	
38 n-Hexatriacontane						M
2	24.074	24.110	-0.036	862378	4.80	M
A 39 C9-C18 Aliphatics						
2	6.700	2.827 - 10.573		10984955	25.7	
A 40 C11-C22 Aromatics						
1	12.609	4.554 - 20.665		20661493	91.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.573	-24.317	11684756	36.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					15.6	
2					0	
S 43 Total EPH						
1					77.8	
S 44 EPH Adjustment 1						
1					75.6	

QC Flag Legend

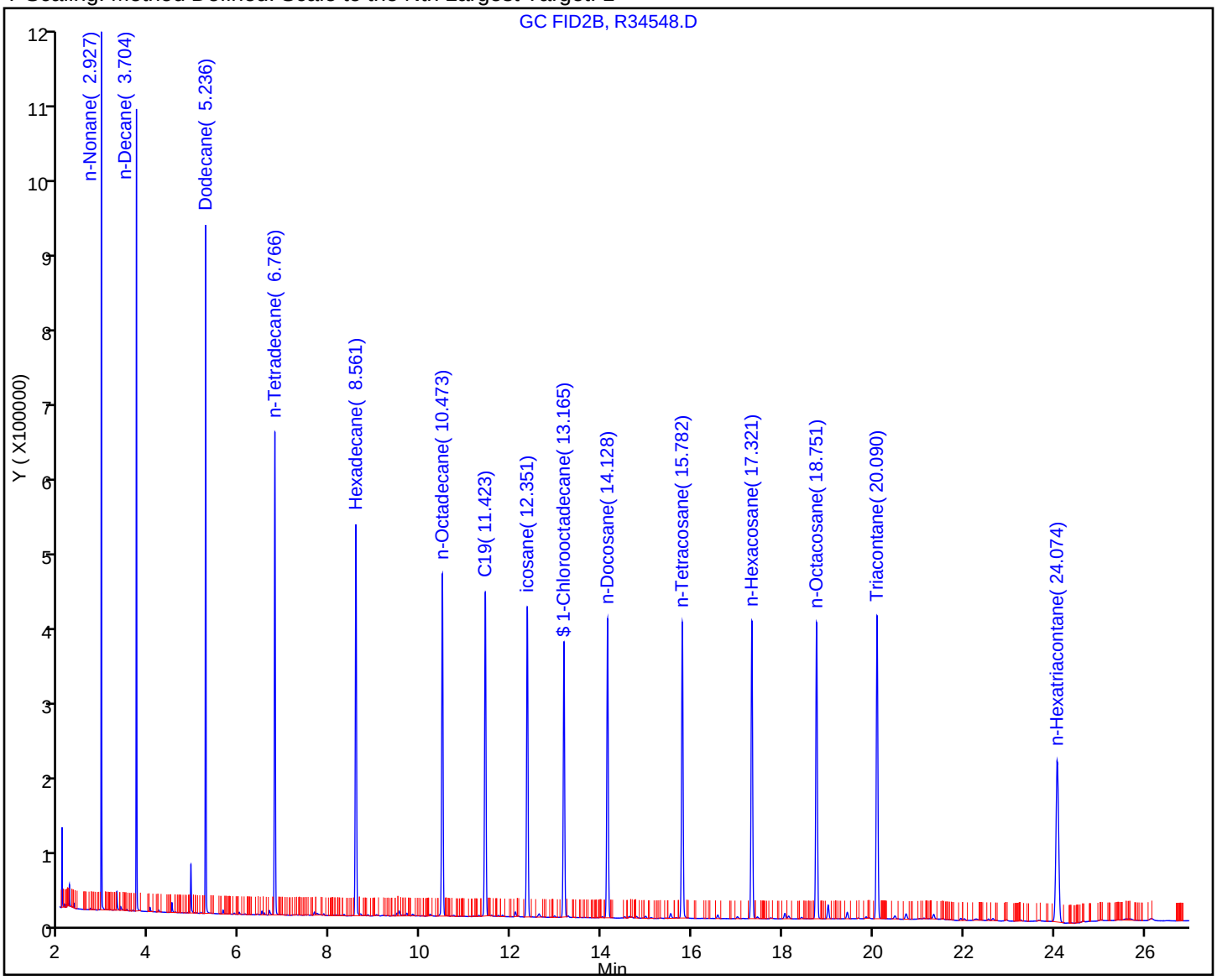
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34548.D

Injection Date:	29-Nov-2010 19:22:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



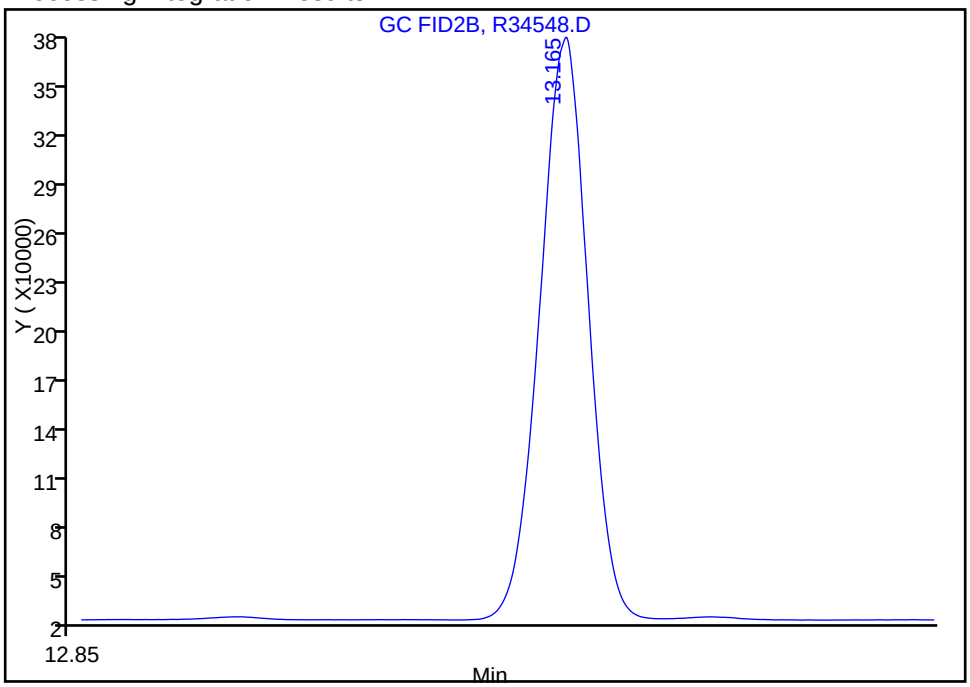
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34548.D		
Injection Date:	29-Nov-2010 19:22:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

$ 4 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 13.17, Det: GC FID2B

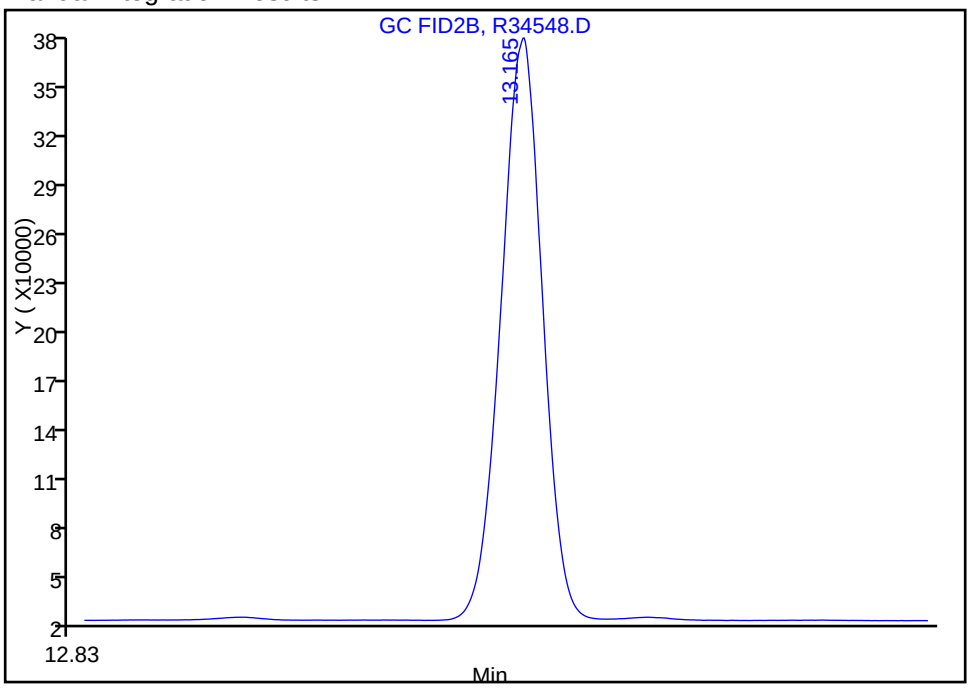
Processing Integration Results

RT: 13.16
Response: 414970
Amount: 2.757588



Manual Integration Results

RT: 13.16
Response: 754163
Amount: 4.961499



Reviewer: sadowskis, 02-Dec-2010 09:54:08
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 02-Dec-2010 10:19:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

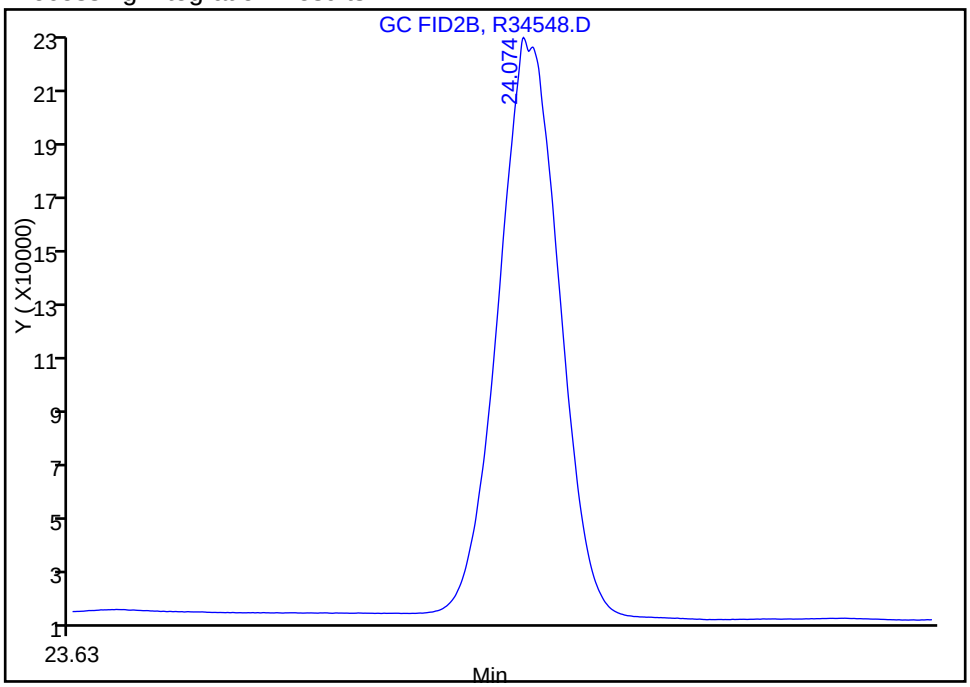
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34548.D		
Injection Date:	29-Nov-2010 19:22:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.11, Det: GC FID2B

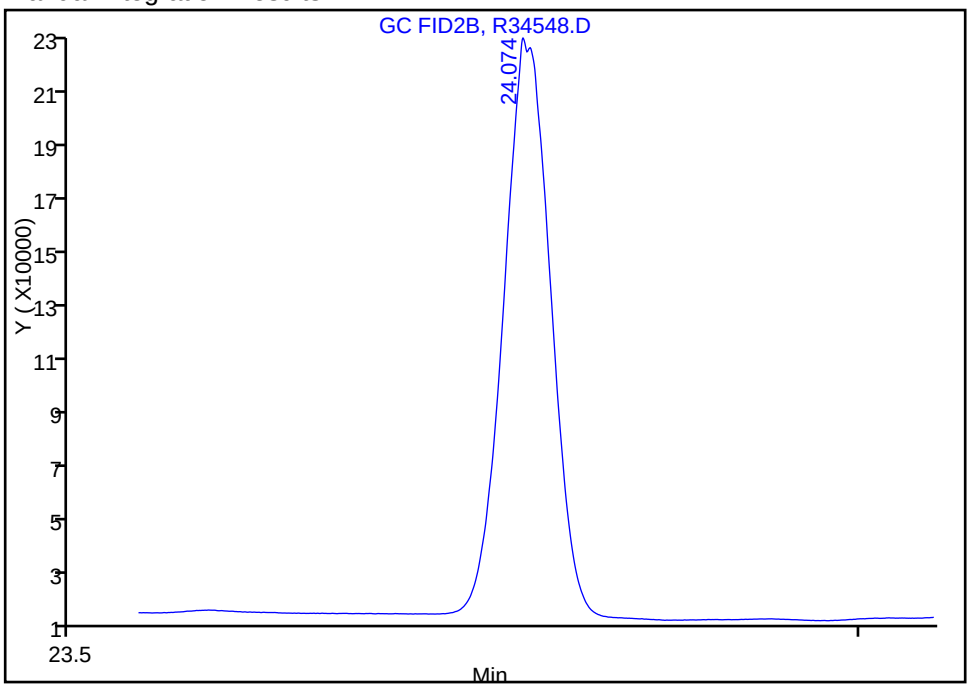
Processing Integration Results

RT: 24.07
Response: 178884
Amount: 1.062669



Manual Integration Results

RT: 24.07
Response: 862378
Amount: 4.800170



Reviewer: sadowskis, 02-Dec-2010 09:54:08
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34550.D		
Lims ID:	std10	Client ID:	
Inject. Date:	29-Nov-2010 19:56:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD10		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	66573	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.881	5.887	-0.006	2035128	9.34	
$ 2 2-Bromonaphthalene						
1	6.721	6.731	-0.010	1391843	9.49	
$ 3 o-Terphenyl						
1	10.279	10.294	-0.015	2350749	9.35	
$ 4 1-Chlorooctadecane						
2	13.166	13.175	-0.009	1794877	12.0	
5 n-Nonane						
2	2.927	2.931	-0.004	2206305	11.1	
6 n-Decane						
2	3.704	3.710	-0.006	2235337	11.2	
7 Naphthalene						
1	4.655	4.661	-0.006	2404520	9.36	
9 Dodecane						
2	5.235	5.240	-0.005	2260646	11.4	
8 2-Methylnaphthalene						
1	5.415	5.421	-0.006	2341521	9.40	
11 Acenaphthylene						
1	6.535	6.546	-0.011	2301647	9.44	
15 n-Tetradecane						
2	6.766	6.771	-0.005	2204066	10.7	
12 Acenaphthene						
1	6.809	6.822	-0.013	2366380	9.51	
14 Fluorene						
1	7.605	7.620	-0.015	2275932	9.92	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.561	8.566	-0.005	2173574	11.4	
16 Phenanthrene						
1	9.328	9.347	-0.019	2227362	9.39	
17 Anthracene						
1	9.414	9.436	-0.022	2169697	9.25	
20 n-Octadecane						
2	10.474	10.483	-0.009	2136947	11.4	
22 C19						
2	11.424	11.434	-0.010	2122885	10.8	
19 Fluoranthene						
1	11.791	11.817	-0.026	2162933	9.33	
21 Pyrene						
1	12.246	12.274	-0.028	2196502	9.17	
23 icosane						
2	12.353	12.363	-0.010	2075682	11.1	
27 n-Docosane						
2	14.131	14.141	-0.010	1982954	12.0	
24 Benzo[a]anthracene						M
1	14.953	14.977	-0.024	1827835	10.1	M
25 Chrysene						
1	15.039	15.074	-0.035	2051504	10.1	
28 n-Tetracosane						
2	15.786	15.796	-0.010	2054191	11.8	
29 Benzo[b]fluoranthene						
1	17.255	17.283	-0.028	1947235	8.86	
32 n-Hexacosane						
2	17.324	17.338	-0.014	2094576	11.7	
30 Benzo[k]fluoranthene						
1	17.301	17.346	-0.045	1941022	9.66	
31 Benzo[a]pyrene						
1	17.860	17.900	-0.040	1973304	8.93	
35 n-Octacosane						
2	18.755	18.771	-0.016	2143308	11.6	
33 Indeno[1,2,3-cd]pyrene						
1	19.878	19.924	-0.046	1945546	8.76	
34 Dibenz(a,h)anthracene						
1	19.947	19.994	-0.047	1847879	10.3	
37 Triacontane						
2	20.094	20.112	-0.018	2207065	11.6	
36 Benzo[g,h,i]perylene						
1	20.283	20.341	-0.058	1926199	9.06	
38 n-Hexatriacontane						A
2	24.086	24.110	-0.024	1959478	10.9	A
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		19714840	70.6	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		37351403	164.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	21323828	89.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					23.3	
2					0	
S 43 Total EPH						
1					183.5	
S 44 EPH Adjustment 1						
1					141.5	

QC Flag Legend

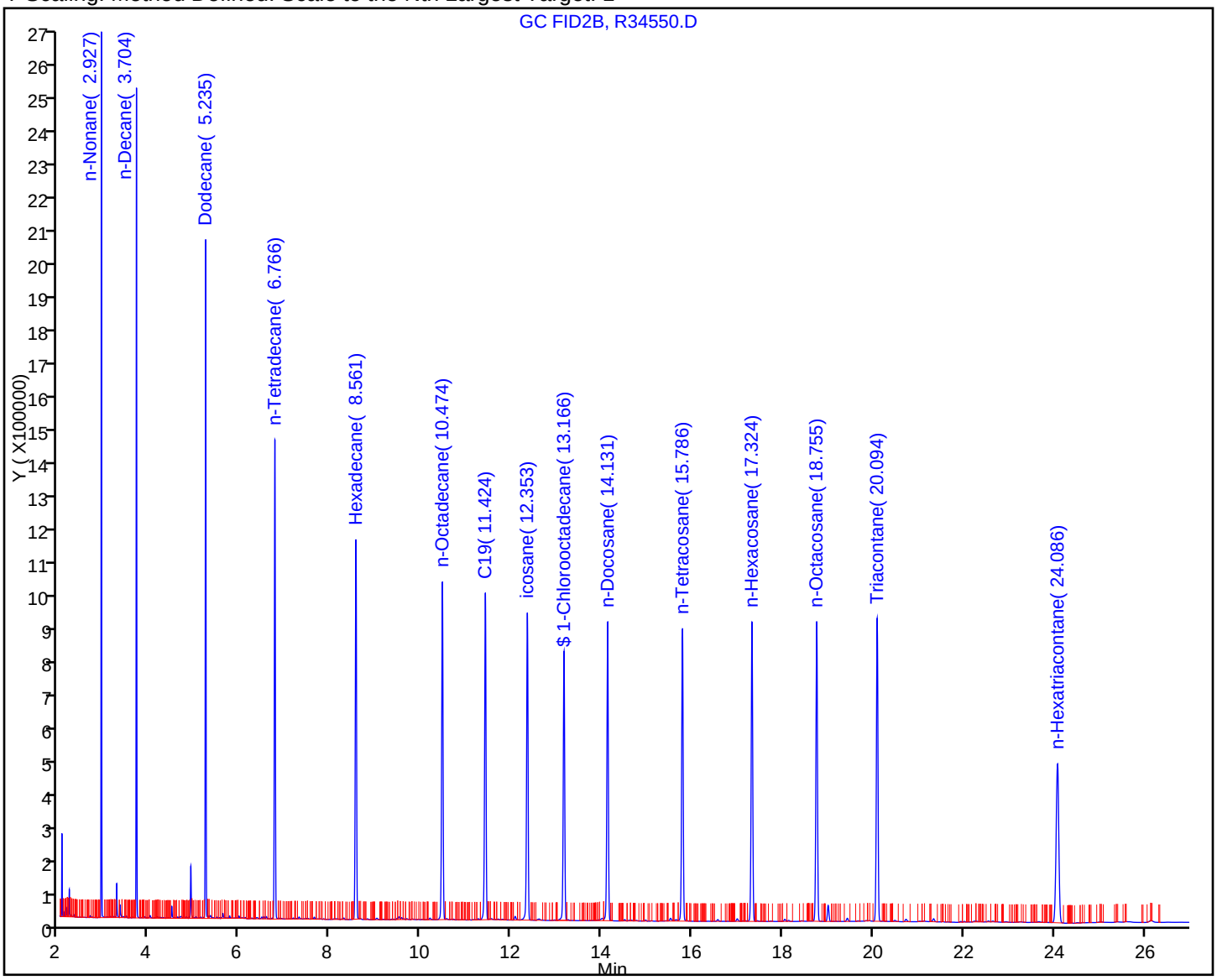
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34550.D

Injection Date:	29-Nov-2010 19:56:53	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	6
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



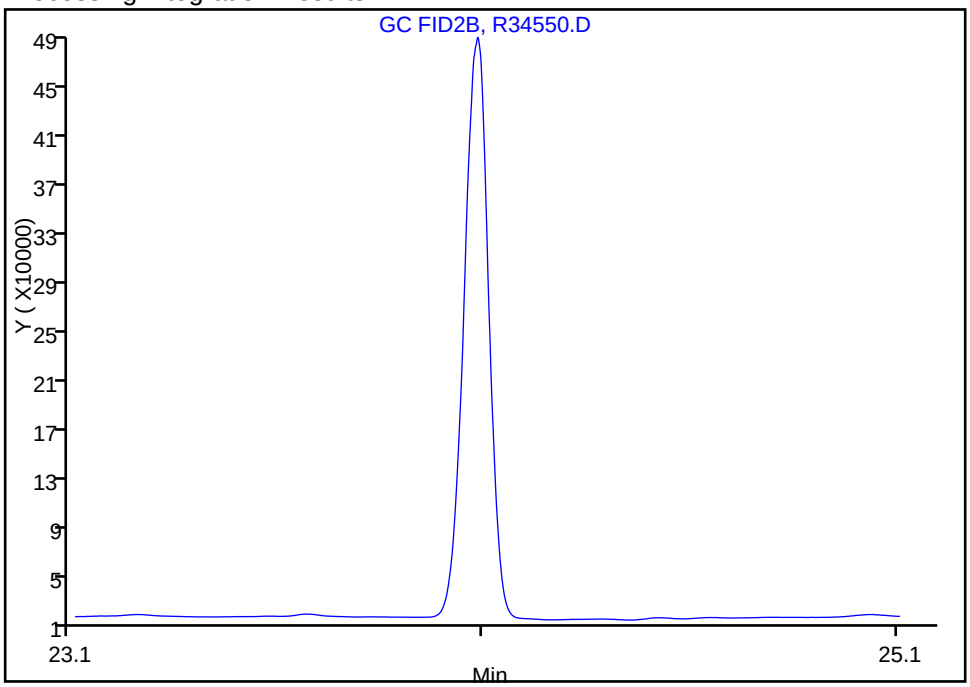
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34550.D		
Injection Date:	29-Nov-2010 19:56:53	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	6
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.11, Det: GC FID2B

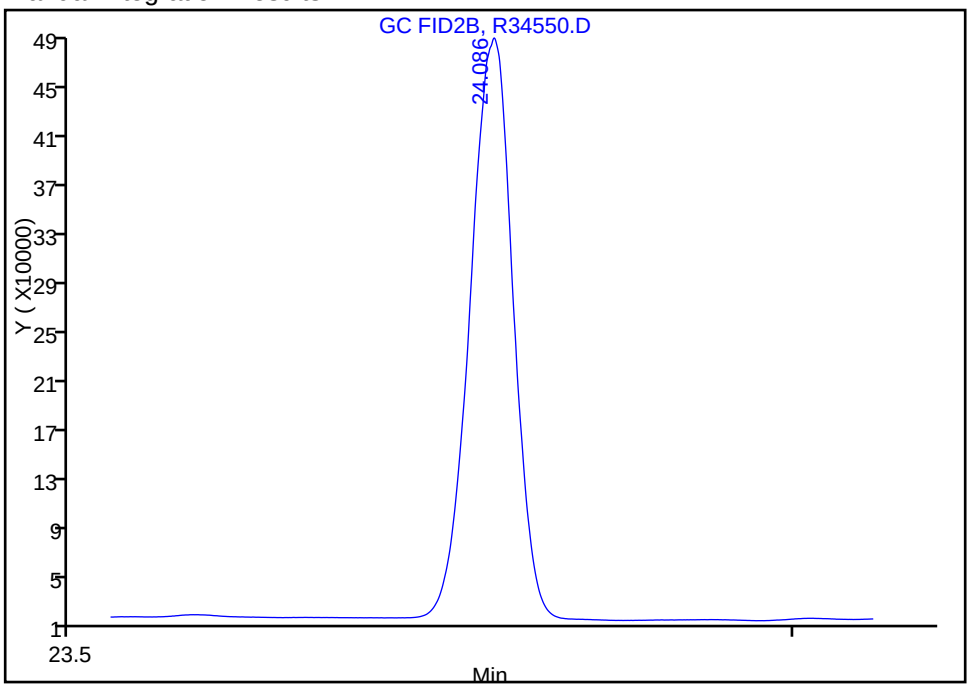
Processing Integration Results

Not Detected
Expected RT: 24.11



Manual Integration Results

RT: 24.09
Response: 1959478
Amount: 10.906850



Reviewer: sadowskis, 02-Dec-2010 09:52:58
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D		
Lims ID:	std25	Client ID:	
Inject. Date:	29-Nov-2010 20:31:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD25		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	66573	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.885	5.887	-0.002	5978164	27.4	
$ 2 2-Bromonaphthalene						
1	6.726	6.731	-0.005	4055516	27.7	
$ 3 o-Terphenyl						
1	10.286	10.294	-0.008	6963377	27.7	
$ 4 1-Chlorooctadecane						
2	13.169	13.175	-0.006	3833887	25.8	
5 n-Nonane						
2	2.929	2.931	-0.002	4740603	23.8	
6 n-Decane						
2	3.706	3.710	-0.004	4802585	24.1	
7 Naphthalene						
1	4.657	4.661	-0.004	7129251	27.8	
9 Dodecane						
2	5.237	5.240	-0.003	4838232	24.5	
8 2-Methylnaphthalene						
1	5.419	5.421	-0.002	6896520	27.7	
11 Acenaphthylene						
1	6.542	6.546	-0.004	6760094	27.7	
15 n-Tetradecane						
2	6.770	6.771	-0.001	4704133	22.9	
12 Acenaphthene						
1	6.815	6.822	-0.007	6938627	27.9	
14 Fluorene						
1	7.613	7.620	-0.007	6702297	29.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.563	8.566	-0.003	4639603	24.5	
16 Phenanthrene						A
1	9.339	9.347	-0.008	6606559	27.9	A
17 Anthracene						A
1	9.427	9.436	-0.009	6489778	27.7	A
20 n-Octadecane						
2	10.475	10.483	-0.008	4565153	24.5	
22 C19						
2	11.429	11.434	-0.005	4544955	23.1	
19 Fluoranthene						
1	11.805	11.817	-0.012	6541258	28.2	
21 Pyrene						
1	12.262	12.274	-0.012	6662001	27.8	
23 icosane						
2	12.359	12.363	-0.004	4444421	23.7	
27 n-Docosane						
2	14.135	14.141	-0.006	4011928	24.4	
24 Benzo[a]anthracene						A
1	14.967	14.977	-0.010	5592869	31.3	A
25 Chrysene						A
1	15.059	15.074	-0.015	6347952	31.5	A
28 n-Tetracosane						
2	15.791	15.796	-0.005	4244008	24.5	
29 Benzo[b]fluoranthene						A
1	17.272	17.283	-0.011	6055310	27.9	A
32 n-Hexacosane						
2	17.329	17.338	-0.009	4373956	24.5	
30 Benzo[k]fluoranthene						A
1	17.329	17.346	-0.017	6012358	30.1	A
31 Benzo[a]pyrene						A
1	17.884	17.900	-0.016	6131700	27.8	A
35 n-Octacosane						
2	18.763	18.771	-0.008	4521173	24.7	
33 Indeno[1,2,3-cd]pyrene						A
1	19.903	19.924	-0.021	6097517	27.5	A
34 Dibenz(a,h)anthracene						A
1	19.973	19.994	-0.021	5553327	31.2	A
37 Triacontane						
2	20.103	20.112	-0.009	4679760	24.8	
36 Benzo[g,h,i]perylene						A
1	20.315	20.341	-0.026	5896258	27.7	A
38 n-Hexatriacontane						
2	24.094	24.110	-0.016	4216234	23.5	
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		34472709	146.6	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		110781354	488.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	39855565	191.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					60.5	
2					0	
S 43 Total EPH						
1					398.6	
S 44 EPH Adjustment 1						
1					428.2	

QC Flag Legend

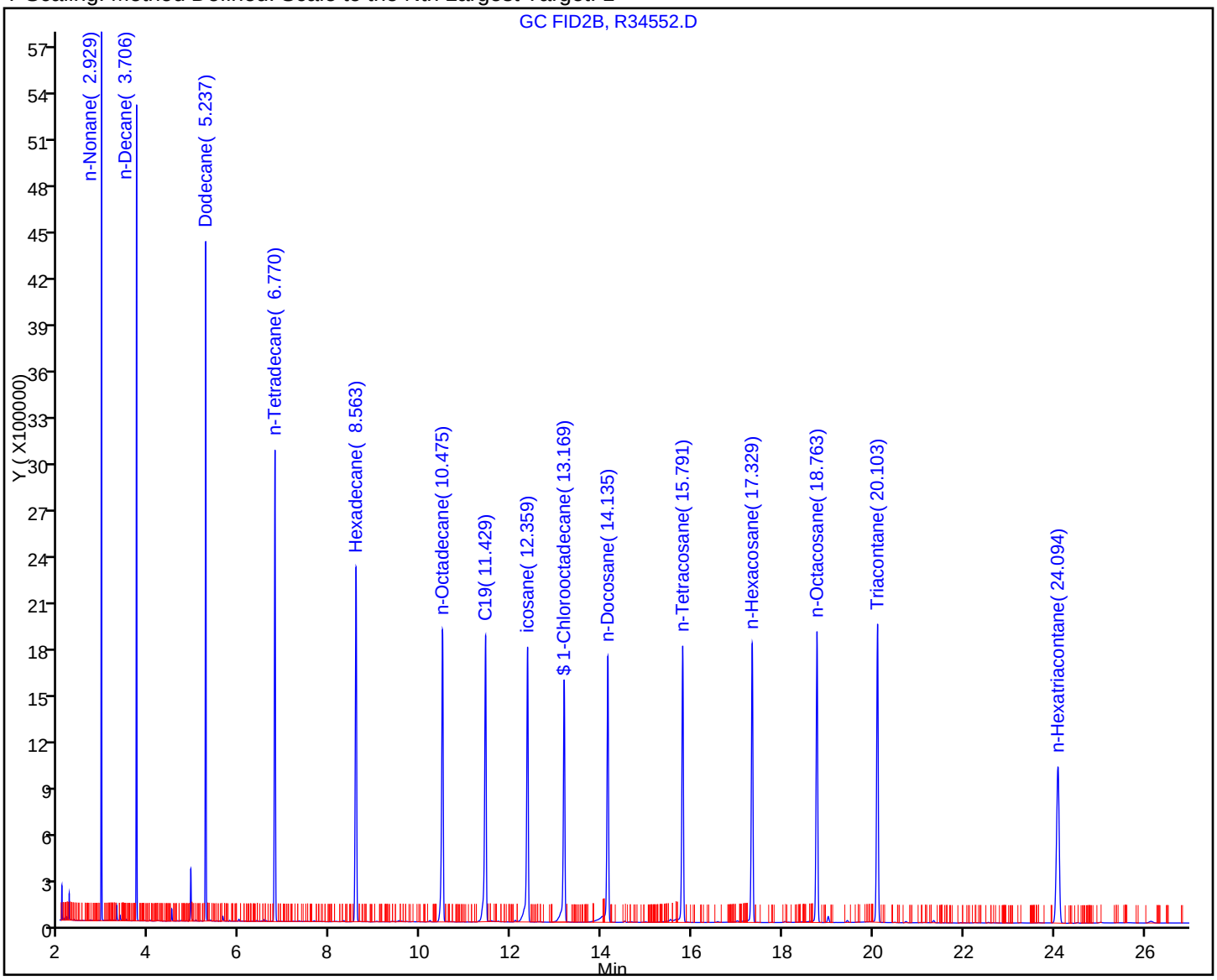
Review Flags
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34552.D

Injection Date:	29-Nov-2010 20:31:22	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	7
Operator ID:	SS	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\20101202-4253.b\R34554.D		
Lims ID:	std100	Client ID:	
Inject. Date:	29-Nov-2010 21:05:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD100		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	66573	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.896	5.887	0.009	21318473	97.8	
$ 2 2-Bromonaphthalene						
1	6.744	6.731	0.013	14031564	95.7	
$ 3 o-Terphenyl						
1	10.308	10.294	0.014	23394241	93.1	
$ 4 1-Chlorooctadecane						
2	13.190	13.175	0.015	14620293	98.8	
5 n-Nonane						
2	2.937	2.931	0.006	20101674	100.9	
6 n-Decane						
2	3.718	3.710	0.008	20413851	102.5	
7 Naphthalene						
1	4.669	4.661	0.008	24865482	96.8	
9 Dodecane						
2	5.247	5.240	0.007	20490227	103.6	
8 2-Methylnaphthalene						
1	5.430	5.421	0.009	24046260	96.5	
11 Acenaphthylene						
1	6.559	6.546	0.013	23524150	96.4	
15 n-Tetradecane						
2	6.780	6.771	0.009	19775013	96.3	
12 Acenaphthene						
1	6.838	6.822	0.016	23948587	96.3	
14 Fluorene						
1	7.636	7.620	0.016	23202915	101.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.578	8.566	0.012	19497925	103.0	
16 Phenanthrene						
1	9.368	9.347	0.021	22868945	96.4	
17 Anthracene						
1	9.460	9.436	0.024	22145220	94.4	
20 n-Octadecane						
2	10.496	10.483	0.013	19195431	103.2	
22 C19						
2	11.449	11.434	0.015	17619292	89.7	
19 Fluoranthene						
1	11.838	11.817	0.021	21639183	93.4	
21 Pyrene						
1	12.299	12.274	0.025	21963931	91.7	
23 icosane						
2	12.381	12.363	0.018	16917803	90.1	
27 n-Docosane						
2	14.159	14.141	0.018	16377352	100.0	
24 Benzo[a]anthracene						
1	15.002	14.977	0.025	17949022	100.7	
25 Chrysene						A
1	15.106	15.074	0.032	20340368	101.0	A
28 n-Tetracosane						
2	15.817	15.796	0.021	17585013	101.8	
29 Benzo[b]fluoranthene						
1	17.314	17.283	0.031	19915254	102.2	
32 n-Hexacosane						
2	17.358	17.338	0.020	18364678	103.4	
30 Benzo[k]fluoranthene						
1	17.387	17.346	0.041	18817650	94.5	
31 Benzo[a]pyrene						
1	17.935	17.900	0.035	19836854	89.8	
35 n-Octacosane						
2	18.792	18.771	0.021	19020104	104.3	
33 Indeno[1,2,3-cd]pyrene						M
1	19.989	19.924	0.065	20621327	92.9	M
34 Dibenz(a,h)anthracene						A
1	20.040	19.994	0.046	16557386	93.3	A
37 Triacontane						
2	20.132	20.112	0.020	19770995	105.0	
36 Benzo[g,h,i]perylene						A
1	20.392	20.341	0.051	19859357	93.4	A
38 n-Hexatriacontane						
2	24.145	24.110	0.035	18006679	100.2	
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		127377252	625.0	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		368984967	1627.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	158766631	845.4	
S 42 C11-C22 Aromatics (Adjusted)						
1					182.4	
2					0	
S 43 Total EPH						
1					1652.9	
S 44 EPH Adjustment 1						
1					1445.5	

QC Flag Legend

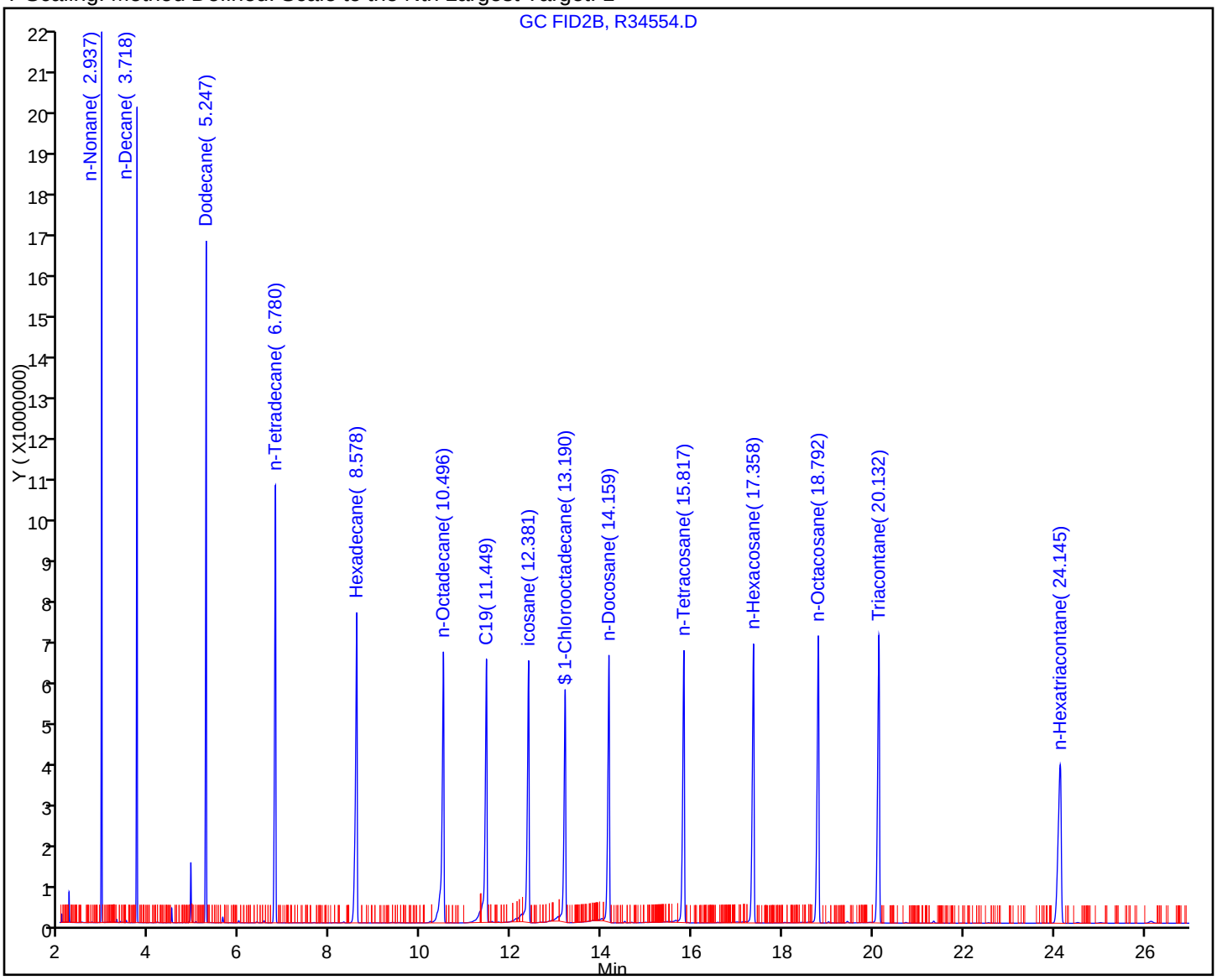
Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:24 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34554.D

Injection Date:	29-Nov-2010 21:05:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	8
Operator ID:	SS	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\20101202-4253.b\R34556.D		
Lims ID:	std200	Client ID:	
Inject. Date:	29-Nov-2010 21:39:55	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	STD200		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	66573	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\MAEPH-R.m		
Last Update:	02-Dec-2010 10:18:33	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 02-Dec-2010 10:19:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.906	5.887	0.019	40221598	184.5	
$ 2 2-Bromonaphthalene						
1	6.758	6.731	0.027	27089169	184.8	
$ 3 o-Terphenyl						
1	10.330	10.294	0.036	43604422	173.5	
$ 4 1-Chlorooctadecane						
2	13.210	13.175	0.035	29021000	196.3	
5 n-Nonane						
2	2.941	2.931	0.010	37628544	189.0	
6 n-Decane						
2	3.726	3.710	0.016	38171167	191.7	
7 Naphthalene						
1	4.678	4.661	0.017	46956660	182.8	
9 Dodecane						
2	5.257	5.240	0.017	38467590	194.6	
8 2-Methylnaphthalene						
1	5.442	5.421	0.021	45477711	182.5	
11 Acenaphthylene						
1	6.573	6.546	0.027	44375683	181.9	
15 n-Tetradecane						
2	6.792	6.771	0.021	37546828	182.9	
12 Acenaphthene						
1	6.857	6.822	0.035	45207800	181.7	
14 Fluorene						
1	7.655	7.620	0.035	43871179	192.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.594	8.566	0.028	37331809	197.2	
16 Phenanthrene						A
1	9.391	9.347	0.044	43007244	181.3	A
17 Anthracene						A
1	9.489	9.436	0.053	41303268	176.2	A
20 n-Octadecane						
2	10.511	10.483	0.028	36527811	196.5	
22 C19						
2	11.468	11.434	0.034	36419459	185.3	
19 Fluoranthene						
1	11.867	11.817	0.050	40973832	176.8	
21 Pyrene						
1	12.329	12.274	0.055	41438357	173.1	
23 icosane						
2	12.401	12.363	0.038	33530490	178.6	
27 n-Docosane						
2	14.181	14.141	0.040	32673836	199.5	
24 Benzo[a]anthracene						A
1	15.035	14.977	0.058	34246747	192.3	A
25 Chrysene						A
1	15.147	15.074	0.073	38525515	191.4	A
28 n-Tetracosane						
2	15.841	15.796	0.045	34215521	198.3	
29 Benzo[b]fluoranthene						A
1	17.347	17.283	0.064	32964830	199.5	A
32 n-Hexacosane						
2	17.383	17.338	0.045	35015537	197.2	
30 Benzo[k]fluoranthene						M
1	17.440	17.346	0.094	40332081	202.7	M
31 Benzo[a]pyrene						A
1	17.985	17.900	0.085	38281262	173.3	A
35 n-Octacosane						
2	18.816	18.771	0.045	35796344	196.4	
33 Indeno[1,2,3-cd]pyrene						A
1	20.047	19.924	0.123	39938022	179.9	A
34 Dibenz(a,h)anthracene						A
1	20.102	19.994	0.108	35522253	200.2	A
37 Triacontane						
2	20.158	20.112	0.046	36822336	195.7	
36 Benzo[g,h,i]perylene						A
1	20.463	20.341	0.122	40186898	188.9	A
38 n-Hexatriacontane						A
2	24.188	24.110	0.078	35305315	196.5	A
A 39 C9-C18 Aliphatics						
2	6.700	2.831 - 10.583		235861950	1183.6	
A 40 C11-C22 Aromatics						
1	12.609	4.561 - 20.707		691484173	3501.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.385	10.583	-24.400	290099008	1567.7	
S 42 C11-C22 Aromatics (Adjusted)						
1					273.5	
2					0	
S 43 Total EPH						
1					3024.8	
S 44 EPH Adjustment 1						
1					2777.2	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

Report Date: 02-Dec-2010 10:19:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D

Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

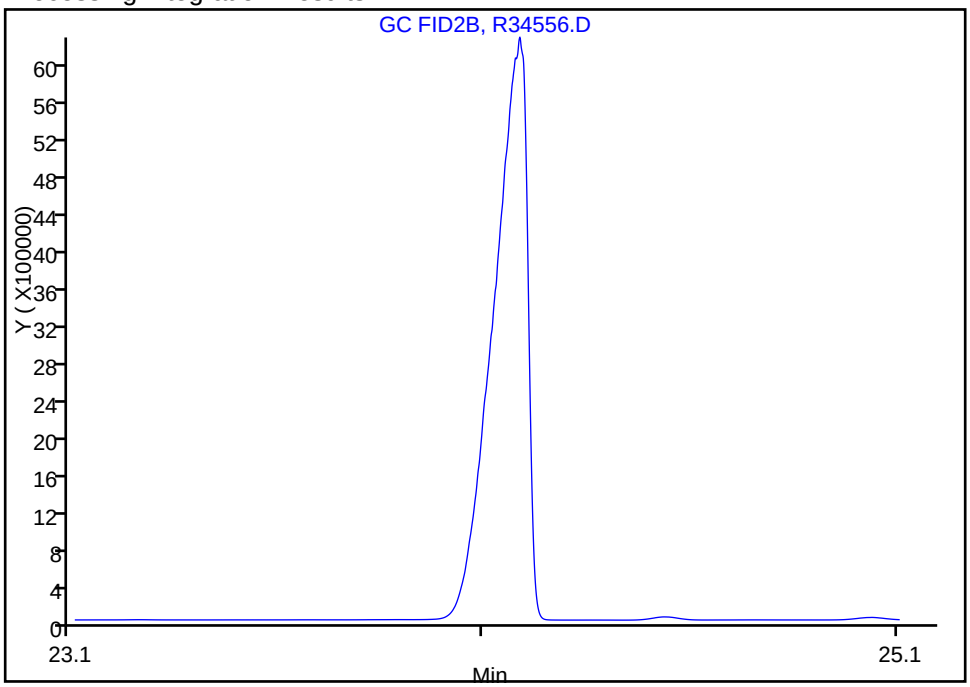
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34556.D		
Injection Date:	29-Nov-2010 21:39:55	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	66573	Lims Sample ID:	9
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.11, Det: GC FID2B

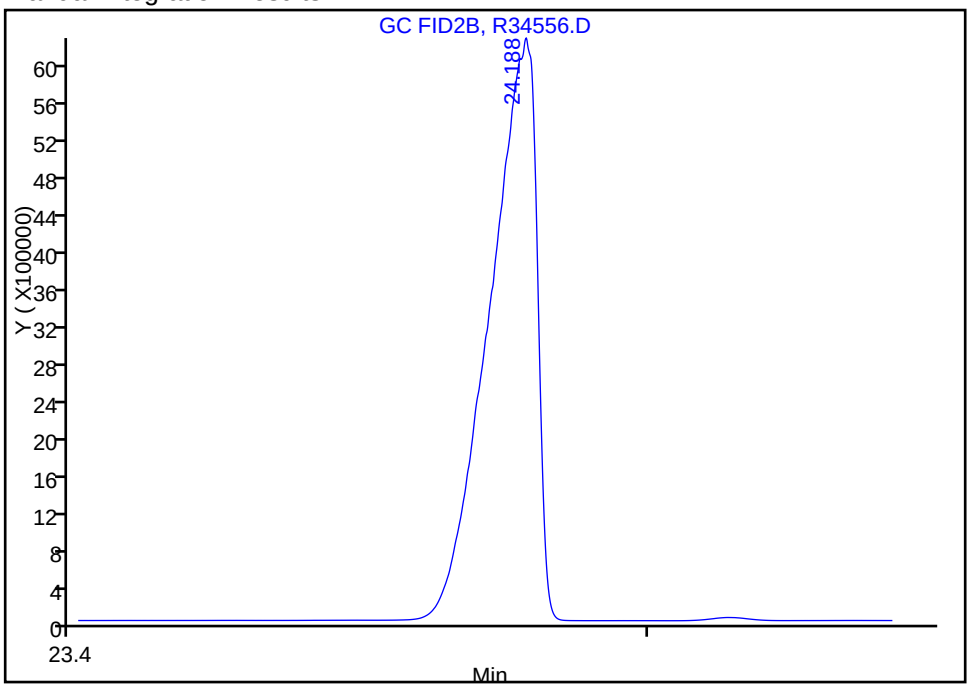
Processing Integration Results

Not Detected
Expected RT: 24.11



Manual Integration Results

RT: 24.19
Response: 35305315
Amount: 196.5165



Reviewer: sadowskis, 02-Dec-2010 09:48:33
Audit Action: Assigned Compound ID
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67006/1 Calibration Date: 12/10/2010 14:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34636.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	246823		48.1	50.0	-3.9	25.0
2-Methylnaphthalene	Ave	249165	240117		48.2	50.0	-3.6	25.0
Acenaphthylene	Ave	243927	236371		48.5	50.0	-3.1	25.0
Acenaphthene	Ave	248806	241685		48.6	50.0	-2.9	25.0
Fluorene	Lin1		235609		51.7	50.0	3.4	25.0
Phenanthrene	Ave	237166	229918		48.5	50.0	-3.1	25.0
Anthracene	Ave	234475	225895		48.2	50.0	-3.7	25.0
Fluoranthene	Ave	231735	226110		48.8	50.0	-2.4	25.0
Pyrene	Ave	239401	229406		47.9	50.0	-4.2	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	220435		827	850	-2.7	25.0
Benzo[a]anthracene	Lin1		187064		52.4	50.0	4.8	25.0
Chrysene	Lin1		212311		52.7	50.0	5.4	25.0
Benzo[b]fluoranthene	Qua		204022		48.3	50.0	-3.3	25.0
Benzo[k]fluoranthene	Lin1		196771		49.4	50.0	-1.3	25.0
Benzo[a]pyrene	Ave	220890	203346		46.0	50.0	-7.9	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	202836		45.7	50.0	-8.6	25.0
Dibenz(a,h)anthracene	Lin1		177245		49.9	50.0	-0.3	25.0
Benzo[g,h,i]perylene	Ave	212714	191080		44.9	50.0	-10.2	25.0
2-Fluorobiphenyl	Ave	218005	209430		48.0	50.0	-3.9	25.0
2-Bromonaphthalene	Ave	146616	142295		48.5	50.0	-2.9	25.0
o-Terphenyl	Ave	251369	242184		48.2	50.0	-3.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67006/1 Calibration Date: 12/10/2010 14:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34636.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.66	4.56	4.76
2-Methylnaphthalene	5.42	5.32	5.52
Acenaphthylene	6.54	6.44	6.64
Acenaphthene	6.82	6.72	6.92
Fluorene	7.62	7.52	7.72
Phenanthrene	9.34	9.25	9.45
Anthracene	9.43	9.34	9.54
Fluoranthene	11.81	11.71	11.91
Pyrene	12.27	12.17	12.37
C11-C22 Aromatics (unadjusted)	12.63	4.56	20.78
Benzo[a]anthracene	14.98	14.87	15.07
Chrysene	15.07	14.97	15.17
Benzo[b]fluoranthene	17.28	17.18	17.38
Benzo[k]fluoranthene	17.34	17.24	17.44
Benzo[a]pyrene	17.90	17.79	17.99
Indeno[1,2,3-cd]pyrene	19.92	19.82	20.02
Dibenz(a,h)anthracene	19.99	19.89	20.09
Benzo[g,h,i]perylene	20.33	20.24	20.44
2-Fluorobiphenyl	5.88	5.79	5.99
2-Bromonaphthalene	6.73	6.63	6.83
o-Terphenyl	10.29	10.19	10.39

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34636.D
Lims ID: CCVRT Client ID:
Inject. Date: 10-Dec-2010 14:21:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67006 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m
Last Update: 13-Dec-2010 08:30:00 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:30:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.884	5.885	-0.001	10471486	48.0	
$ 2 2-Bromonaphthalene						
1	6.726	6.728	-0.002	7114731	48.5	
$ 3 o-Terphenyl						
1	10.289	10.290	-0.001	12109175	48.2	
$ 4 1-Chlorooctadecane						
2	13.176	13.177	-0.001	7239295	48.9	
5 n-Nonane						
2	2.930	2.932	-0.002	9858808	49.5	
6 n-Decane						
2	3.710	3.710	0.000	9969859	50.1	
7 Naphthalene						
1	4.657	4.658	-0.001	12341137	48.1	
9 Dodecane						
2	5.240	5.241	-0.001	10051885	50.8	
8 2-Methylnaphthalene						
1	5.419	5.420	-0.001	12005853	48.2	
11 Acenaphthylene						
1	6.542	6.544	-0.002	11818537	48.5	
15 n-Tetradecane						
2	6.771	6.772	-0.001	9786062	47.7	
12 Acenaphthene						
1	6.818	6.820	-0.002	12084251	48.6	
14 Fluorene						
1	7.616	7.617	-0.001	11780446	51.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.566	8.568	-0.002	9675005	51.1	
16 Phenanthrene						
1	9.344	9.345	-0.001	11495891	48.5	
17 Anthracene						
1	9.434	9.435	-0.001	11294754	48.2	
20 n-Octadecane						
2	10.485	10.485	0.000	9518811	51.1	
22 C19						
2	11.435	11.436	-0.001	9500736	48.3	
19 Fluoranthene						
1	11.813	11.813	0.000	11305524	48.8	
21 Pyrene						
1	12.270	12.271	-0.001	11470319	47.9	
23 icosane						
2	12.365	12.365	0.000	8381292	44.6	
27 n-Docosane						
2	14.143	14.146	-0.003	8270490	50.4	
24 Benzo[a]anthracene						
1	14.975	14.973	0.002	9353201	52.4	
25 Chrysene						
1	15.070	15.072	-0.002	10615551	52.7	
28 n-Tetracosane						
2	15.801	15.800	0.001	8719709	50.4	
29 Benzo[b]fluoranthene						
1	17.280	17.280	0.000	10201087	48.3	
30 Benzo[k]fluoranthene						
1	17.342	17.342	0.000	9838573	49.4	
32 n-Hexacosane						
2	17.340	17.343	-0.003	9048939	50.9	
31 Benzo[a]pyrene						
1	17.895	17.894	0.001	10167282	46.0	
35 n-Octacosane						
2	18.773	18.776	-0.003	9362477	51.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.922	19.917	0.005	10141813	45.7	
34 Dibenz(a,h)anthracene						
1	19.988	19.991	-0.003	8862264	49.9	
37 Triacontane						
2	20.115	20.113	0.002	9649655	51.2	
36 Benzo[g,h,i]perylene						
1	20.333	20.336	-0.003	9554002	44.9	
38 n-Hexatriacontane						
2	24.110	24.113	-0.003	7937169	44.2	
A 39 C9-C18 Aliphatics						
2	6.707	2.830 - 10.585		64325493	300.3	
A 40 C11-C22 Aromatics						
1	12.625	4.557 - 20.775		187369432	826.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.469	10.585	-24.394	78629533	404.7	
S 42 C11-C22 Aromatics (Adjusted)						
1					94.7	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					799.7	
S 44 EPH Adjustment 1						
1					732.0	

QC Flag Legend

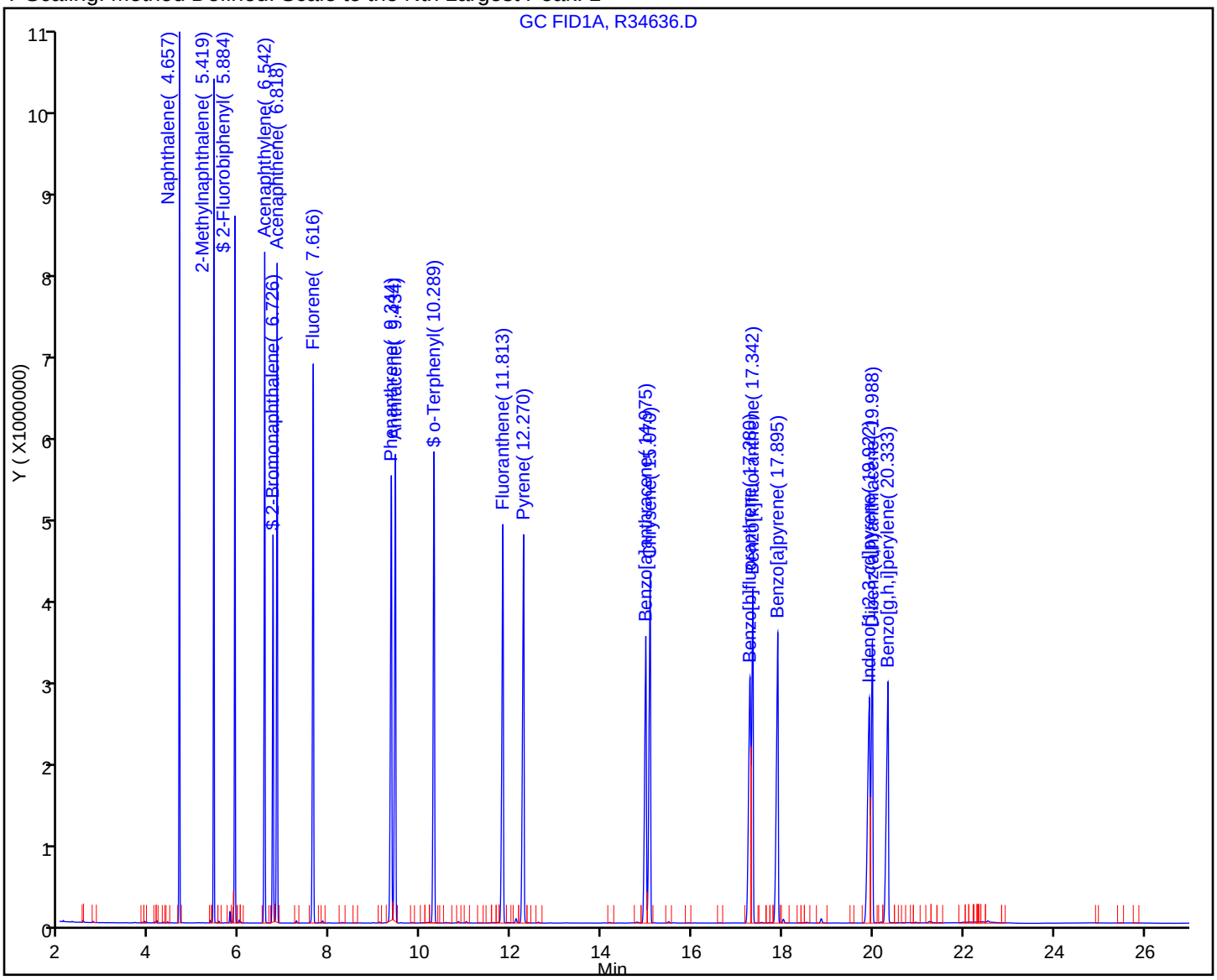
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:30:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34636.D

Injection Date:	10-Dec-2010 14:21:25	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	1
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67006/1 Calibration Date: 12/10/2010 14:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34636.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	197176		49.5	50.0	-1.0	30.0
n-Decane	Ave	199084	199397		50.1	50.0	0.2	25.0
Dodecane	Ave	197711	201038		50.8	50.0	1.7	25.0
C9-C18 Aliphatics	Lin1		214418		300	300	0.1	25.0
n-Tetradecane	Ave	205263	195721		47.7	50.0	-4.6	25.0
Hexadecane	Lin1		193500		51.1	50.0	2.1	25.0
n-Octadecane	Lin1		190376		51.1	50.0	2.3	25.0
C19	Ave	196523	190015		48.3	50.0	-3.3	25.0
icosane	Ave	187741	167626		44.6	50.0	-10.7	25.0
n-Docosane	Lin1		165410		50.4	50.0	0.8	25.0
n-Tetracosane	Lin1		174394		50.4	50.0	0.9	25.0
n-Hexacosane	Lin1		180979		50.9	50.0	1.7	25.0
C19-C36 Aliphatics	Lin1		196574		405	400	1.2	25.0
n-Octacosane	Lin1		187250		51.2	50.0	2.5	25.0
Triacontane	Lin1		192993		51.2	50.0	2.4	25.0
n-Hexatriacontane	Ave	179656	158743		44.2	50.0	-11.6	25.0
1-Chlorooctadecane	Lin1		144786		48.9	50.0	-2.3	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67006/1 Calibration Date: 12/10/2010 14:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34636.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.14	14.05	14.25
n-Tetracosane	15.80	15.70	15.90
n-Hexacosane	17.34	17.24	17.44
C19-C36 Aliphatics	17.47	10.59	24.39
n-Octacosane	18.77	18.68	18.88
Triacontane	20.12	20.01	20.21
n-Hexatriacontane	24.11	24.01	24.21
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34636.D
Lims ID: CCVRT Client ID:
Inject. Date: 10-Dec-2010 14:21:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67006 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m
Last Update: 13-Dec-2010 08:30:00 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:30:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.884	5.885	-0.001	10471486	48.0	
$ 2 2-Bromonaphthalene						
1	6.726	6.728	-0.002	7114731	48.5	
$ 3 o-Terphenyl						
1	10.289	10.290	-0.001	12109175	48.2	
$ 4 1-Chlorooctadecane						
2	13.176	13.177	-0.001	7239295	48.9	
5 n-Nonane						
2	2.930	2.932	-0.002	9858808	49.5	
6 n-Decane						
2	3.710	3.710	0.000	9969859	50.1	
7 Naphthalene						
1	4.657	4.658	-0.001	12341137	48.1	
9 Dodecane						
2	5.240	5.241	-0.001	10051885	50.8	
8 2-Methylnaphthalene						
1	5.419	5.420	-0.001	12005853	48.2	
11 Acenaphthylene						
1	6.542	6.544	-0.002	11818537	48.5	
15 n-Tetradecane						
2	6.771	6.772	-0.001	9786062	47.7	
12 Acenaphthene						
1	6.818	6.820	-0.002	12084251	48.6	
14 Fluorene						
1	7.616	7.617	-0.001	11780446	51.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.566	8.568	-0.002	9675005	51.1	
16 Phenanthrene						
1	9.344	9.345	-0.001	11495891	48.5	
17 Anthracene						
1	9.434	9.435	-0.001	11294754	48.2	
20 n-Octadecane						
2	10.485	10.485	0.000	9518811	51.1	
22 C19						
2	11.435	11.436	-0.001	9500736	48.3	
19 Fluoranthene						
1	11.813	11.813	0.000	11305524	48.8	
21 Pyrene						
1	12.270	12.271	-0.001	11470319	47.9	
23 icosane						
2	12.365	12.365	0.000	8381292	44.6	
27 n-Docosane						
2	14.143	14.146	-0.003	8270490	50.4	
24 Benzo[a]anthracene						
1	14.975	14.973	0.002	9353201	52.4	
25 Chrysene						
1	15.070	15.072	-0.002	10615551	52.7	
28 n-Tetracosane						
2	15.801	15.800	0.001	8719709	50.4	
29 Benzo[b]fluoranthene						
1	17.280	17.280	0.000	10201087	48.3	
30 Benzo[k]fluoranthene						
1	17.342	17.342	0.000	9838573	49.4	
32 n-Hexacosane						
2	17.340	17.343	-0.003	9048939	50.9	
31 Benzo[a]pyrene						
1	17.895	17.894	0.001	10167282	46.0	
35 n-Octacosane						
2	18.773	18.776	-0.003	9362477	51.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.922	19.917	0.005	10141813	45.7	
34 Dibenz(a,h)anthracene						
1	19.988	19.991	-0.003	8862264	49.9	
37 Triacontane						
2	20.115	20.113	0.002	9649655	51.2	
36 Benzo[g,h,i]perylene						
1	20.333	20.336	-0.003	9554002	44.9	
38 n-Hexatriacontane						
2	24.110	24.113	-0.003	7937169	44.2	
A 39 C9-C18 Aliphatics						
2	6.707	2.830 - 10.585		64325493	300.3	
A 40 C11-C22 Aromatics						
1	12.625	4.557 - 20.775		187369432	826.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.469	10.585	-24.394	78629533	404.7	
S 42 C11-C22 Aromatics (Adjusted)						
1					94.7	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					799.7	
S 44 EPH Adjustment 1						
1					732.0	

QC Flag Legend

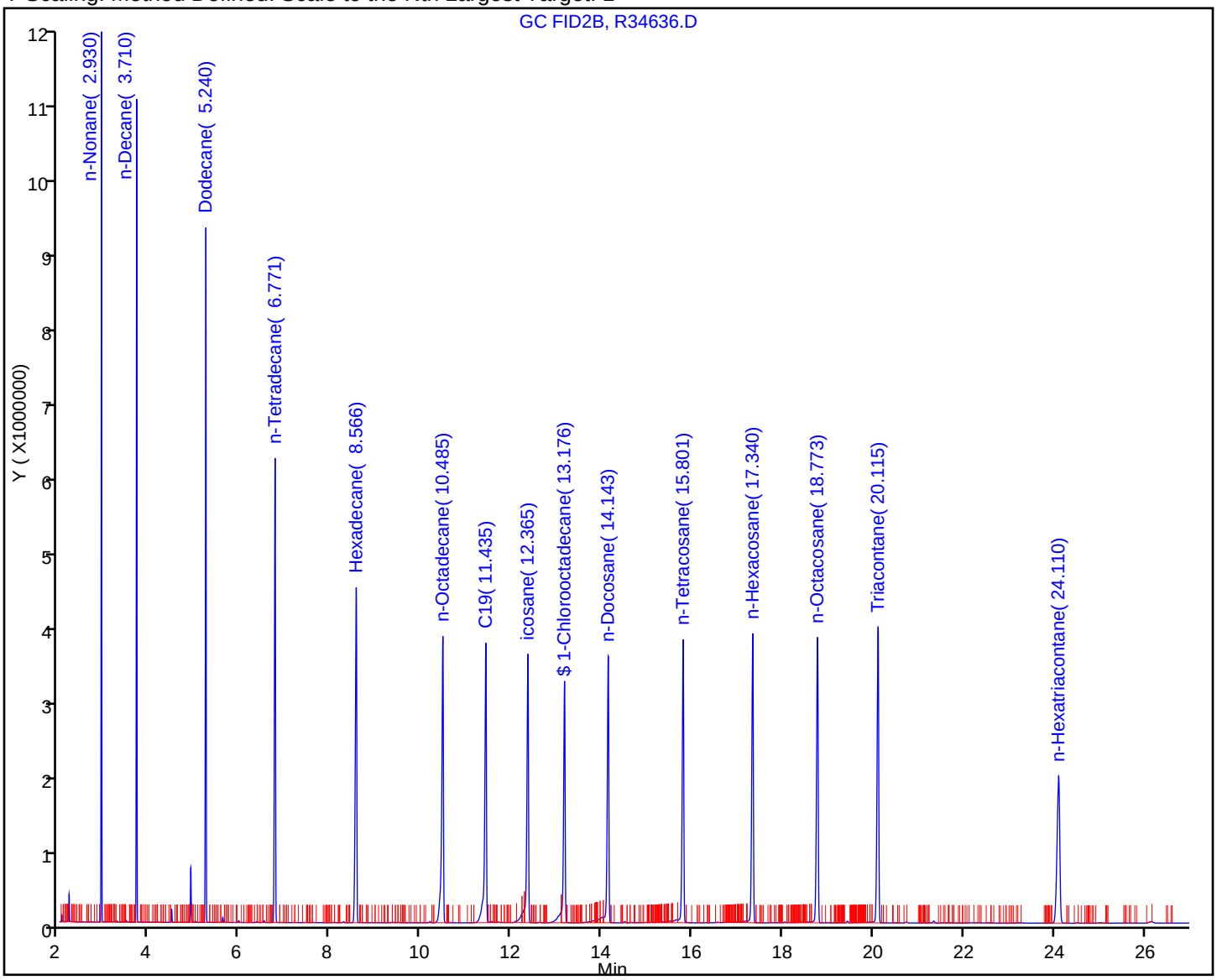
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:30:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34636.D

Injection Date:	10-Dec-2010 14:21:25	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	1
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67006/6 Calibration Date: 12/10/2010 17:57

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34648.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	247852		48.3	50.0	-3.5	25.0
2-Methylnaphthalene	Ave	249165	240467		48.3	50.0	-3.5	25.0
Acenaphthylene	Ave	243927	235392		48.3	50.0	-3.5	25.0
Acenaphthene	Ave	248806	241238		48.5	50.0	-3.0	25.0
Fluorene	Lin1		233464		51.2	50.0	2.4	25.0
Phenanthrene	Ave	237166	227174		47.9	50.0	-4.2	25.0
Anthracene	Ave	234475	222105		47.4	50.0	-5.3	25.0
Fluoranthene	Ave	231735	221637		47.8	50.0	-4.4	25.0
Pyrene	Ave	239401	224696		46.9	50.0	-6.1	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	219326		822	850	-3.2	25.0
Benzo[a]anthracene	Lin1		183767		51.5	50.0	2.9	25.0
Chrysene	Lin1		208545		51.7	50.0	3.5	25.0
Benzo[b]fluoranthene	Qua		198529		46.9	50.0	-6.1	25.0
Benzo[k]fluoranthene	Lin1		198042		49.7	50.0	-0.6	25.0
Benzo[a]pyrene	Ave	220890	200164		45.3	50.0	-9.4	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	198024		44.6	50.0	-10.8	25.0
Dibenz(a,h)anthracene	Lin1		176498		49.7	50.0	-0.7	25.0
Benzo[g,h,i]perylene	Ave	212714	186935		43.9	50.0	-12.1	25.0
2-Fluorobiphenyl	Ave	218005	209078		48.0	50.0	-4.1	25.0
2-Bromonaphthalene	Ave	146616	141771		48.3	50.0	-3.3	25.0
o-Terphenyl	Ave	251369	238500		47.4	50.0	-5.1	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67006/6 Calibration Date: 12/10/2010 17:57

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34648.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.66	4.56	4.76
2-Methylnaphthalene	5.42	5.32	5.52
Acenaphthylene	6.54	6.44	6.64
Acenaphthene	6.82	6.72	6.92
Fluorene	7.62	7.52	7.72
Phenanthrene	9.35	9.25	9.45
Anthracene	9.44	9.34	9.54
Fluoranthene	11.81	11.71	11.91
Pyrene	12.27	12.17	12.37
C11-C22 Aromatics (unadjusted)	12.67	4.56	20.69
Benzo[a]anthracene	14.97	14.87	15.07
Chrysene	15.07	14.97	15.17
Benzo[b]fluoranthene	17.28	17.18	17.38
Benzo[k]fluoranthene	17.34	17.24	17.44
Benzo[a]pyrene	17.89	17.79	17.99
Indeno[1,2,3-cd]pyrene	19.92	19.82	20.02
Dibenz(a,h)anthracene	19.99	19.89	20.09
Benzo[g,h,i]perylene	20.34	20.24	20.44
2-Fluorobiphenyl	5.89	5.79	5.99
2-Bromonaphthalene	6.73	6.63	6.83
o-Terphenyl	10.29	10.19	10.39

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34648.D
Lims ID: ccv
Client ID:
Inject. Date: 10-Dec-2010 17:57:05
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 50ppm std
Misc. Info.:
Operator: SS
Instrument ID: INST R
Vol. Injected: 1.0000
ALS Bottle#: 4
Lims Batch ID: 67006
Lims Sample ID: 6
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m
Last Update: 13-Dec-2010 08:32:58
Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis
Date: 13-Dec-2010 08:32:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.885	5.885	0.000	10453889	48.0	
$ 2 2-Bromonaphthalene						
1	6.728	6.728	0.000	7088563	48.3	
$ 3 o-Terphenyl						
1	10.290	10.290	0.000	11924994	47.4	
$ 4 1-Chlorooctadecane						
2	13.177	13.177	0.000	7457251	50.3	
5 n-Nonane						
2	2.932	2.932	0.000	10069713	50.6	
6 n-Decane						
2	3.710	3.710	0.000	10181920	51.1	
7 Naphthalene						
1	4.658	4.658	0.000	12392584	48.3	
9 Dodecane						
2	5.241	5.241	0.000	10251630	51.9	
8 2-Methylnaphthalene						
1	5.420	5.420	0.000	12023328	48.3	
11 Acenaphthylene						
1	6.544	6.544	0.000	11769584	48.3	
15 n-Tetradecane						
2	6.772	6.772	0.000	9985240	48.6	
12 Acenaphthene						
1	6.820	6.820	0.000	12061917	48.5	
14 Fluorene						
1	7.617	7.617	0.000	11673204	51.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.568	8.568	0.000	9884799	52.2	
16 Phenanthrene						
1	9.345	9.345	0.000	11358714	47.9	
17 Anthracene						
1	9.435	9.435	0.000	11105261	47.4	
20 n-Octadecane						
2	10.485	10.485	0.000	9738732	52.3	
22 C19						
2	11.436	11.436	0.000	9672038	49.2	
19 Fluoranthene						
1	11.813	11.813	0.000	11081870	47.8	
21 Pyrene						
1	12.271	12.271	0.000	11234795	46.9	
23 icosane						
2	12.365	12.365	0.000	8969482	47.8	
27 n-Docosane						
2	14.146	14.146	0.000	8493095	51.8	
24 Benzo[a]anthracene						
1	14.973	14.973	0.000	9188349	51.5	
25 Chrysene						
1	15.072	15.072	0.000	10427254	51.7	
28 n-Tetracosane						
2	15.800	15.800	0.000	8992228	52.0	
29 Benzo[b]fluoranthene						
1	17.280	17.280	0.000	9926446	46.9	
30 Benzo[k]fluoranthene						
1	17.342	17.342	0.000	9902106	49.7	
32 n-Hexacosane						
2	17.343	17.343	0.000	9316409	52.4	
31 Benzo[a]pyrene						
1	17.894	17.894	0.000	10008204	45.3	
35 n-Octacosane						
2	18.776	18.776	0.000	9633200	52.7	
33 Indeno[1,2,3-cd]pyrene						
1	19.917	19.917	0.000	9901212	44.6	
34 Dibenz(a,h)anthracene						
1	19.991	19.991	0.000	8824881	49.7	
37 Triacontane						
2	20.113	20.113	0.000	9794478	52.0	
36 Benzo[g,h,i]perylene						
1	20.336	20.336	0.000	9346729	43.9	
38 n-Hexatriacontane						
2	24.113	24.113	0.000	8073544	44.9	
A 39 C9-C18 Aliphatics						
2	6.707	2.832 - 10.585		66347401	310.7	
A 40 C11-C22 Aromatics						
1	12.666	4.558 - 20.686		186427123	822.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.489	10.585	-24.353	81635040	421.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					99.0	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					830.9	
S 44 EPH Adjustment 1						
1					723.5	

QC Flag Legend

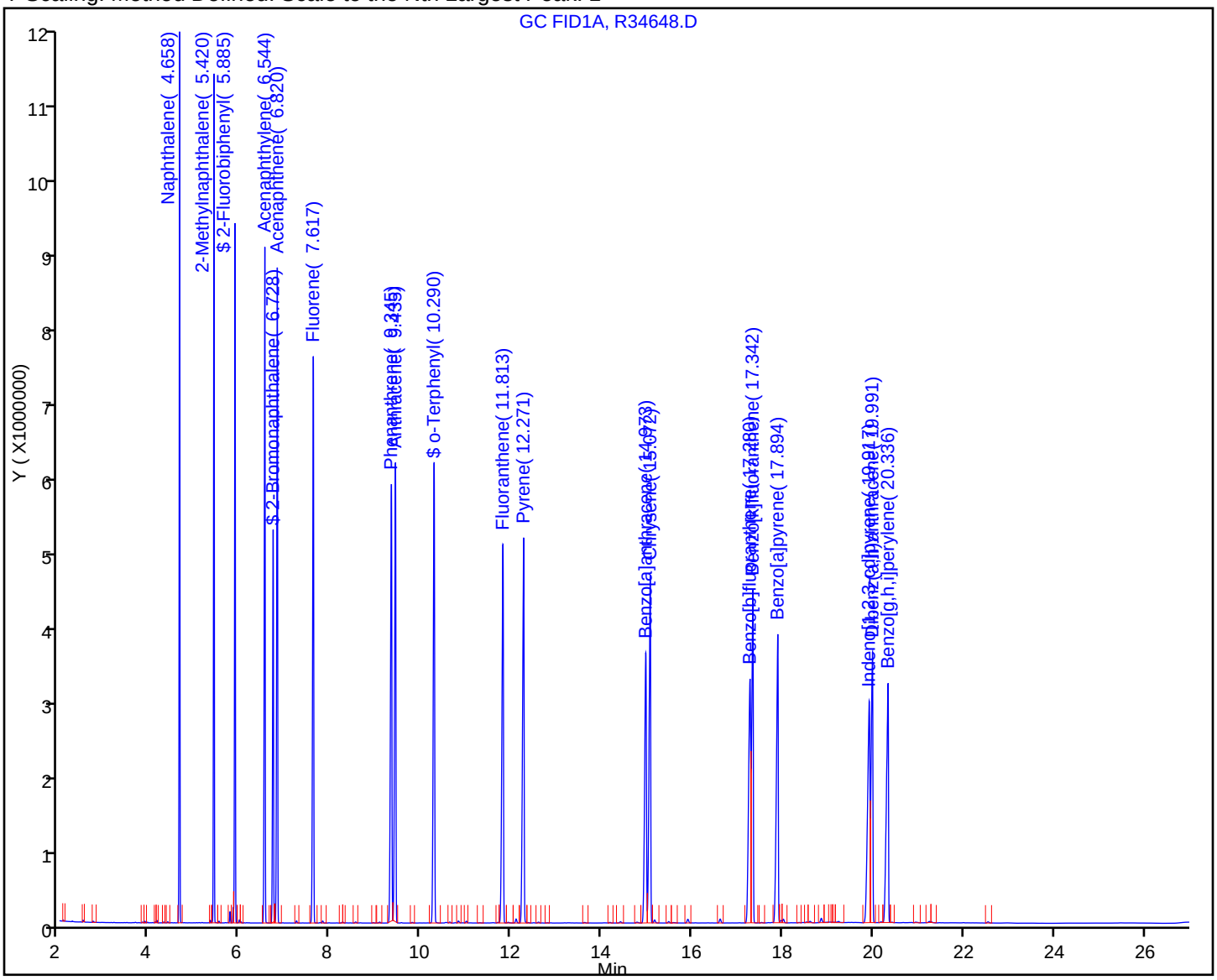
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:32:58 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34648.D

Injection Date:	10-Dec-2010 17:57:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	6
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67006/6 Calibration Date: 12/10/2010 17:57

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34648.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	201394		50.6	50.0	1.1	30.0
n-Decane	Ave	199084	203638		51.1	50.0	2.3	25.0
Dodecane	Ave	197711	205033		51.9	50.0	3.7	25.0
C9-C18 Aliphatics	Lin1		221158		311	300	3.6	25.0
n-Tetradecane	Ave	205263	199705		48.6	50.0	-2.7	25.0
Hexadecane	Lin1		197696		52.2	50.0	4.4	25.0
n-Octadecane	Lin1		194775		52.3	50.0	4.7	25.0
C19	Ave	196523	193441		49.2	50.0	-1.6	25.0
icosane	Ave	187741	179390		47.8	50.0	-4.4	25.0
n-Docosane	Lin1		169862		51.8	50.0	3.6	25.0
n-Tetracosane	Lin1		179845		52.0	50.0	4.0	25.0
n-Hexacosane	Lin1		186328		52.4	50.0	4.7	25.0
C19-C36 Aliphatics	Lin1		204088		421	400	5.3	25.0
n-Octacosane	Lin1		192664		52.7	50.0	5.5	25.0
Triacontane	Lin1		195890		52.0	50.0	3.9	25.0
n-Hexatriacontane	Ave	179656	161471		44.9	50.0	-10.1	25.0
1-Chlorooctadecane	Lin1		149145		50.3	50.0	0.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67006/6 Calibration Date: 12/10/2010 17:57

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34648.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.80	15.70	15.90
n-Hexacosane	17.34	17.24	17.44
C19-C36 Aliphatics	17.49	10.59	24.35
n-Octacosane	18.78	18.68	18.88
Triacontane	20.11	20.01	20.21
n-Hexatriacontane	24.11	24.01	24.21
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34648.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	10-Dec-2010 17:57:05	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67006	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m		
Last Update:	13-Dec-2010 08:32:58	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:32:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.885	5.885	0.000	10453889	48.0	
$ 2 2-Bromonaphthalene						
1	6.728	6.728	0.000	7088563	48.3	
$ 3 o-Terphenyl						
1	10.290	10.290	0.000	11924994	47.4	
$ 4 1-Chlorooctadecane						
2	13.177	13.177	0.000	7457251	50.3	
5 n-Nonane						
2	2.932	2.932	0.000	10069713	50.6	
6 n-Decane						
2	3.710	3.710	0.000	10181920	51.1	
7 Naphthalene						
1	4.658	4.658	0.000	12392584	48.3	
9 Dodecane						
2	5.241	5.241	0.000	10251630	51.9	
8 2-Methylnaphthalene						
1	5.420	5.420	0.000	12023328	48.3	
11 Acenaphthylene						
1	6.544	6.544	0.000	11769584	48.3	
15 n-Tetradecane						
2	6.772	6.772	0.000	9985240	48.6	
12 Acenaphthene						
1	6.820	6.820	0.000	12061917	48.5	
14 Fluorene						
1	7.617	7.617	0.000	11673204	51.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.568	8.568	0.000	9884799	52.2	
16 Phenanthrene						
1	9.345	9.345	0.000	11358714	47.9	
17 Anthracene						
1	9.435	9.435	0.000	11105261	47.4	
20 n-Octadecane						
2	10.485	10.485	0.000	9738732	52.3	
22 C19						
2	11.436	11.436	0.000	9672038	49.2	
19 Fluoranthene						
1	11.813	11.813	0.000	11081870	47.8	
21 Pyrene						
1	12.271	12.271	0.000	11234795	46.9	
23 icosane						
2	12.365	12.365	0.000	8969482	47.8	
27 n-Docosane						
2	14.146	14.146	0.000	8493095	51.8	
24 Benzo[a]anthracene						
1	14.973	14.973	0.000	9188349	51.5	
25 Chrysene						
1	15.072	15.072	0.000	10427254	51.7	
28 n-Tetracosane						
2	15.800	15.800	0.000	8992228	52.0	
29 Benzo[b]fluoranthene						
1	17.280	17.280	0.000	9926446	46.9	
30 Benzo[k]fluoranthene						
1	17.342	17.342	0.000	9902106	49.7	
32 n-Hexacosane						
2	17.343	17.343	0.000	9316409	52.4	
31 Benzo[a]pyrene						
1	17.894	17.894	0.000	10008204	45.3	
35 n-Octacosane						
2	18.776	18.776	0.000	9633200	52.7	
33 Indeno[1,2,3-cd]pyrene						
1	19.917	19.917	0.000	9901212	44.6	
34 Dibenz(a,h)anthracene						
1	19.991	19.991	0.000	8824881	49.7	
37 Triacontane						
2	20.113	20.113	0.000	9794478	52.0	
36 Benzo[g,h,i]perylene						
1	20.336	20.336	0.000	9346729	43.9	
38 n-Hexatriacontane						
2	24.113	24.113	0.000	8073544	44.9	
A 39 C9-C18 Aliphatics						
2	6.707	2.832 - 10.585		66347401	310.7	
A 40 C11-C22 Aromatics						
1	12.666	4.558 - 20.686		186427123	822.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.489	10.585	-24.353	81635040	421.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					99.0	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					830.9	
S 44 EPH Adjustment 1						
1					723.5	

QC Flag Legend

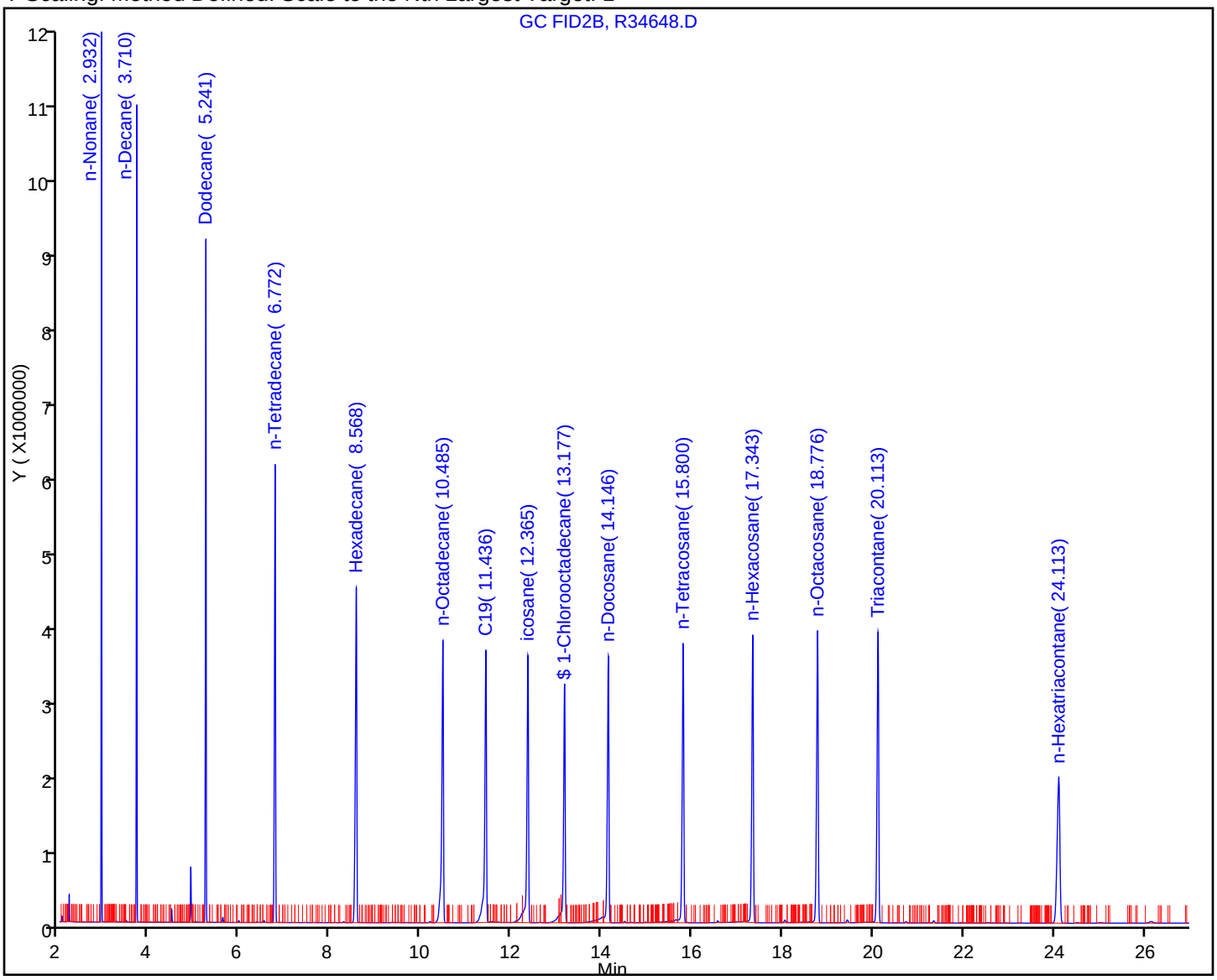
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:32:58 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34648.D

Injection Date:	10-Dec-2010 17:57:05	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	6
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67050/1 Calibration Date: 12/13/2010 10:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34652.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	248324		48.3	50.0	-3.3	25.0
2-Methylnaphthalene	Ave	249165	241733		48.5	50.0	-3.0	25.0
Acenaphthylene	Ave	243927	239022		49.0	50.0	-2.0	25.0
Acenaphthene	Ave	248806	245481		49.3	50.0	-1.3	25.0
Fluorene	Lin1		238367		52.3	50.0	4.6	25.0
Phenanthrene	Ave	237166	234435		49.4	50.0	-1.2	25.0
Anthracene	Ave	234475	230554		49.2	50.0	-1.7	25.0
Fluoranthene	Ave	231735	231110		49.9	50.0	-0.3	25.0
Pyrene	Ave	239401	234700		49.0	50.0	-2.0	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	224059		840	850	-1.1	25.0
Benzo[a]anthracene	Lin1		190941		53.5	50.0	7.0	25.0
Chrysene	Lin1		216842		53.8	50.0	7.6	25.0
Benzo[b]fluoranthene	Qua		209513		49.7	50.0	-0.5	25.0
Benzo[k]fluoranthene	Lin1		197026		49.4	50.0	-1.1	25.0
Benzo[a]pyrene	Ave	220890	205864		46.6	50.0	-6.8	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	204824		46.1	50.0	-7.8	25.0
Dibenz(a,h)anthracene	Lin1		180070		50.7	50.0	1.3	25.0
Benzo[g,h,i]perylene	Ave	212714	193734		45.5	50.0	-8.9	25.0
2-Fluorobiphenyl	Ave	218005	211438		48.5	50.0	-3.0	25.0
2-Bromonaphthalene	Ave	146616	143826		49.0	50.0	-1.9	25.0
o-Terphenyl	Ave	251369	248060		49.3	50.0	-1.3	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67050/1 Calibration Date: 12/13/2010 10:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34652.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.66	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.55	6.46	6.66
Acenaphthene	6.83	6.73	6.93
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.73	11.93
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.62	4.56	20.73
Benzo[a]anthracene	15.00	14.89	15.09
Chrysene	15.09	15.00	15.20
Benzo[b]fluoranthene	17.31	17.21	17.41
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.94	19.84	20.04
Dibenz(a,h)anthracene	20.01	19.91	20.11
Benzo[g,h,i]perylene	20.36	20.25	20.45
2-Fluorobiphenyl	5.89	5.79	5.99
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34652.D
Lims ID: CCVRT Client ID:
Inject. Date: 13-Dec-2010 10:21:45 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67050 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m
Last Update: 15-Dec-2010 08:40:30 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:40:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.891	5.893	-0.002	10571922	48.5	
$ 2 2-Bromonaphthalene						
1	6.737	6.739	-0.002	7191288	49.0	
$ 3 o-Terphenyl						
1	10.305	10.305	0.000	12402983	49.3	
$ 4 1-Chlorooctadecane						
2	13.186	13.183	0.003	7321598	49.4	
5 n-Nonane						
2	2.933	2.932	0.001	10092569	50.7	
6 n-Decane						
2	3.712	3.711	0.001	10186977	51.2	
7 Naphthalene						
1	4.663	4.665	-0.002	12416181	48.3	
9 Dodecane						
2	5.243	5.242	0.001	10212442	51.7	
8 2-Methylnaphthalene						
1	5.425	5.427	-0.002	12086644	48.5	
11 Acenaphthylene						
1	6.552	6.555	-0.003	11951098	49.0	
15 n-Tetradecane						
2	6.776	6.774	0.002	9882008	48.1	
12 Acenaphthene						
1	6.829	6.832	-0.003	12274051	49.3	
14 Fluorene						
1	7.628	7.630	-0.002	11918356	52.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.573	8.571	0.002	9764811	51.5	
16 Phenanthrene						
1	9.358	9.359	-0.001	11721752	49.4	
17 Anthracene						
1	9.449	9.450	-0.001	11527699	49.2	
20 n-Octadecane						
2	10.490	10.489	0.001	9674300	52.0	
22 C19						
2	11.441	11.441	0.000	9641064	49.1	
19 Fluoranthene						
1	11.832	11.832	0.000	11555477	49.9	
21 Pyrene						
1	12.290	12.290	0.000	11734978	49.0	
23 icosane						
2	12.375	12.374	0.001	8424622	44.9	
27 n-Docosane						
2	14.154	14.149	0.005	8225696	50.2	
24 Benzo[a]anthracene						
1	14.995	14.994	0.001	9547061	53.5	
25 Chrysene						
1	15.093	15.095	-0.002	10842079	53.8	
28 n-Tetracosane						
2	15.812	15.809	0.003	8920146	51.6	
29 Benzo[b]fluoranthene						
1	17.305	17.306	-0.001	10475641	49.7	
32 n-Hexacosane						
2	17.351	17.350	0.001	9323416	52.4	
30 Benzo[k]fluoranthene						
1	17.368	17.370	-0.002	9851292	49.4	
31 Benzo[a]pyrene						
1	17.916	17.919	-0.003	10293210	46.6	
35 n-Octacosane						
2	18.787	18.786	0.001	9749546	53.4	
33 Indeno[1,2,3-cd]pyrene						
1	19.944	19.938	0.006	10241224	46.1	
34 Dibenz(a,h)anthracene						
1	20.013	20.005	0.008	9003523	50.7	
37 Triacontane						
2	20.126	20.124	0.002	10071310	53.4	
36 Benzo[g,h,i]perylene						
1	20.360	20.349	0.011	9686682	45.5	
38 n-Hexatriacontane						M
2	24.130	24.130	0.000	8124628	45.2	M
A 39 C9-C18 Aliphatics						
2	6.708	2.833 - 10.590		63508743	296.1	
A 40 C11-C22 Aromatics						
1	12.622	4.563 - 20.733		190449868	840.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.469	10.590	-24.355	80205899	413.4	
S 44 EPH Adjustment 1						
1					743.5	
S 43 Total EPH						
1					806.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.7	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

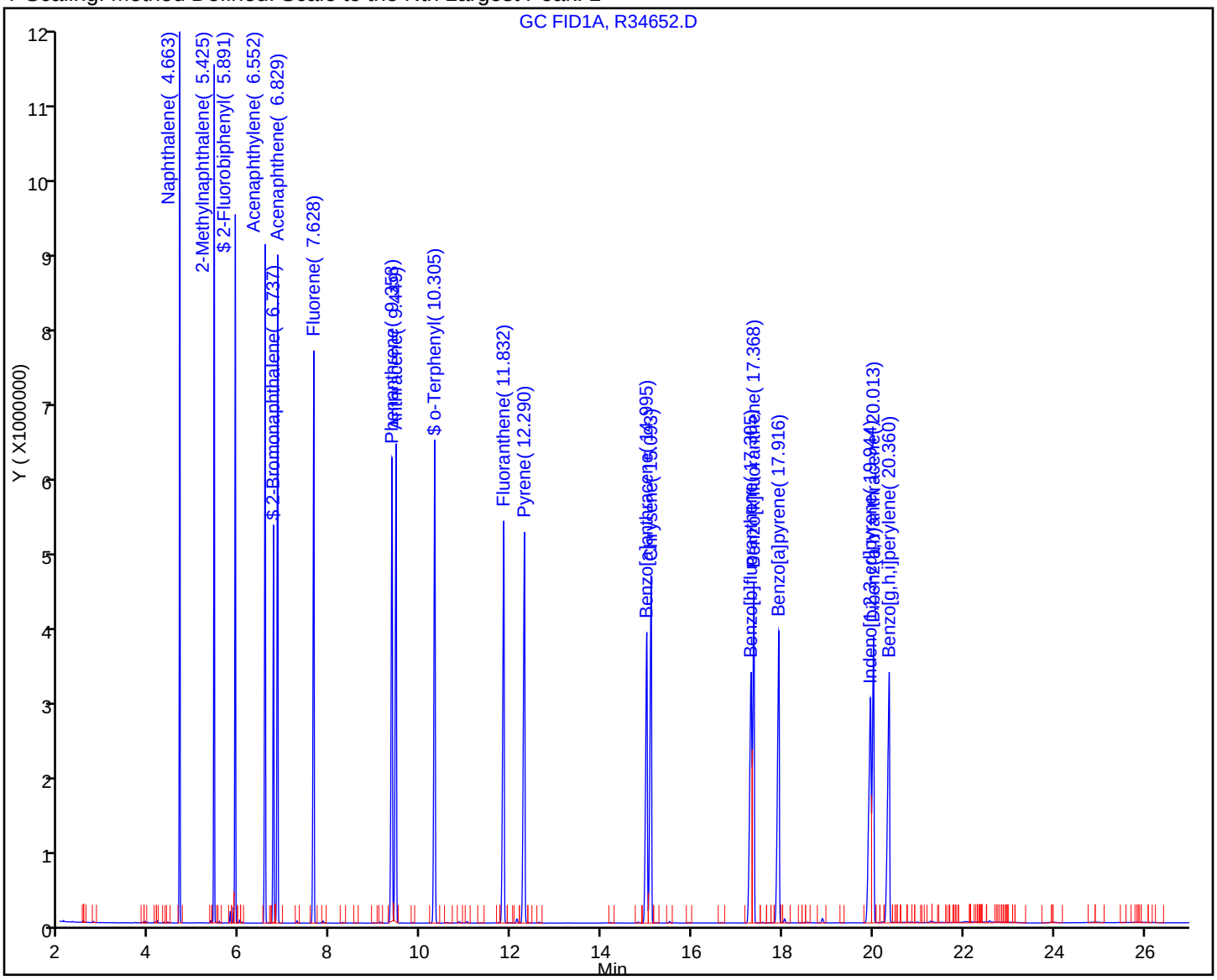
Review Flags
M - Manually Integrated

Report Date: 15-Dec-2010 08:40:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34652.D

Injection Date:	13-Dec-2010 10:21:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	1
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67050/1 Calibration Date: 12/13/2010 10:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34652.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	201851		50.7	50.0	1.4	30.0
n-Decane	Ave	199084	203740		51.2	50.0	2.3	25.0
Dodecane	Ave	197711	204249		51.7	50.0	3.3	25.0
C9-C18 Aliphatics	Lin1		211696		296	300	-1.3	25.0
n-Tetradecane	Ave	205263	197640		48.1	50.0	-3.7	25.0
Hexadecane	Lin1		195296		51.5	50.0	3.1	25.0
n-Octadecane	Lin1		193486		52.0	50.0	4.0	25.0
C19	Ave	196523	192821		49.1	50.0	-1.9	25.0
icosane	Ave	187741	168492		44.9	50.0	-10.3	25.0
n-Docosane	Lin1		164514		50.2	50.0	0.3	25.0
n-Tetracosane	Lin1		178403		51.6	50.0	3.2	25.0
n-Hexacosane	Lin1		186468		52.4	50.0	4.8	25.0
C19-C36 Aliphatics	Lin1		200515		413	400	3.3	25.0
n-Octacosane	Lin1		194991		53.4	50.0	6.7	25.0
Triacontane	Lin1		201426		53.4	50.0	6.9	25.0
n-Hexatriacontane	Ave	179656	162493		45.2	50.0	-9.6	25.0
1-Chlorooctadecane	Lin1		146432		49.4	50.0	-1.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67050/1 Calibration Date: 12/13/2010 10:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34652.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.78	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.38	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.81	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.36
n-Octacosane	18.79	18.69	18.89
Triacontane	20.13	20.02	20.22
n-Hexatriacontane	24.13	24.03	24.23
1-Chlorooctadecane	13.19	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34652.D
Lims ID: CCVRT Client ID:
Inject. Date: 13-Dec-2010 10:21:45 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67050 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m
Last Update: 15-Dec-2010 08:40:30 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:40:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.891	5.893	-0.002	10571922	48.5	
$ 2 2-Bromonaphthalene						
1	6.737	6.739	-0.002	7191288	49.0	
$ 3 o-Terphenyl						
1	10.305	10.305	0.000	12402983	49.3	
$ 4 1-Chlorooctadecane						
2	13.186	13.183	0.003	7321598	49.4	
5 n-Nonane						
2	2.933	2.932	0.001	10092569	50.7	
6 n-Decane						
2	3.712	3.711	0.001	10186977	51.2	
7 Naphthalene						
1	4.663	4.665	-0.002	12416181	48.3	
9 Dodecane						
2	5.243	5.242	0.001	10212442	51.7	
8 2-Methylnaphthalene						
1	5.425	5.427	-0.002	12086644	48.5	
11 Acenaphthylene						
1	6.552	6.555	-0.003	11951098	49.0	
15 n-Tetradecane						
2	6.776	6.774	0.002	9882008	48.1	
12 Acenaphthene						
1	6.829	6.832	-0.003	12274051	49.3	
14 Fluorene						
1	7.628	7.630	-0.002	11918356	52.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.573	8.571	0.002	9764811	51.5	
16 Phenanthrene						
1	9.358	9.359	-0.001	11721752	49.4	
17 Anthracene						
1	9.449	9.450	-0.001	11527699	49.2	
20 n-Octadecane						
2	10.490	10.489	0.001	9674300	52.0	
22 C19						
2	11.441	11.441	0.000	9641064	49.1	
19 Fluoranthene						
1	11.832	11.832	0.000	11555477	49.9	
21 Pyrene						
1	12.290	12.290	0.000	11734978	49.0	
23 icosane						
2	12.375	12.374	0.001	8424622	44.9	
27 n-Docosane						
2	14.154	14.149	0.005	8225696	50.2	
24 Benzo[a]anthracene						
1	14.995	14.994	0.001	9547061	53.5	
25 Chrysene						
1	15.093	15.095	-0.002	10842079	53.8	
28 n-Tetracosane						
2	15.812	15.809	0.003	8920146	51.6	
29 Benzo[b]fluoranthene						
1	17.305	17.306	-0.001	10475641	49.7	
32 n-Hexacosane						
2	17.351	17.350	0.001	9323416	52.4	
30 Benzo[k]fluoranthene						
1	17.368	17.370	-0.002	9851292	49.4	
31 Benzo[a]pyrene						
1	17.916	17.919	-0.003	10293210	46.6	
35 n-Octacosane						
2	18.787	18.786	0.001	9749546	53.4	
33 Indeno[1,2,3-cd]pyrene						
1	19.944	19.938	0.006	10241224	46.1	
34 Dibenz(a,h)anthracene						
1	20.013	20.005	0.008	9003523	50.7	
37 Triacontane						
2	20.126	20.124	0.002	10071310	53.4	
36 Benzo[g,h,i]perylene						
1	20.360	20.349	0.011	9686682	45.5	
38 n-Hexatriacontane						M
2	24.130	24.130	0.000	8124628	45.2	M
A 39 C9-C18 Aliphatics						
2	6.708	2.833 - 10.590		63508743	296.1	
A 40 C11-C22 Aromatics						
1	12.622	4.563 - 20.733		190449868	840.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.469	10.590	-24.355	80205899	413.4	
S 44 EPH Adjustment 1						
1					743.5	
S 43 Total EPH						
1					806.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.7	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

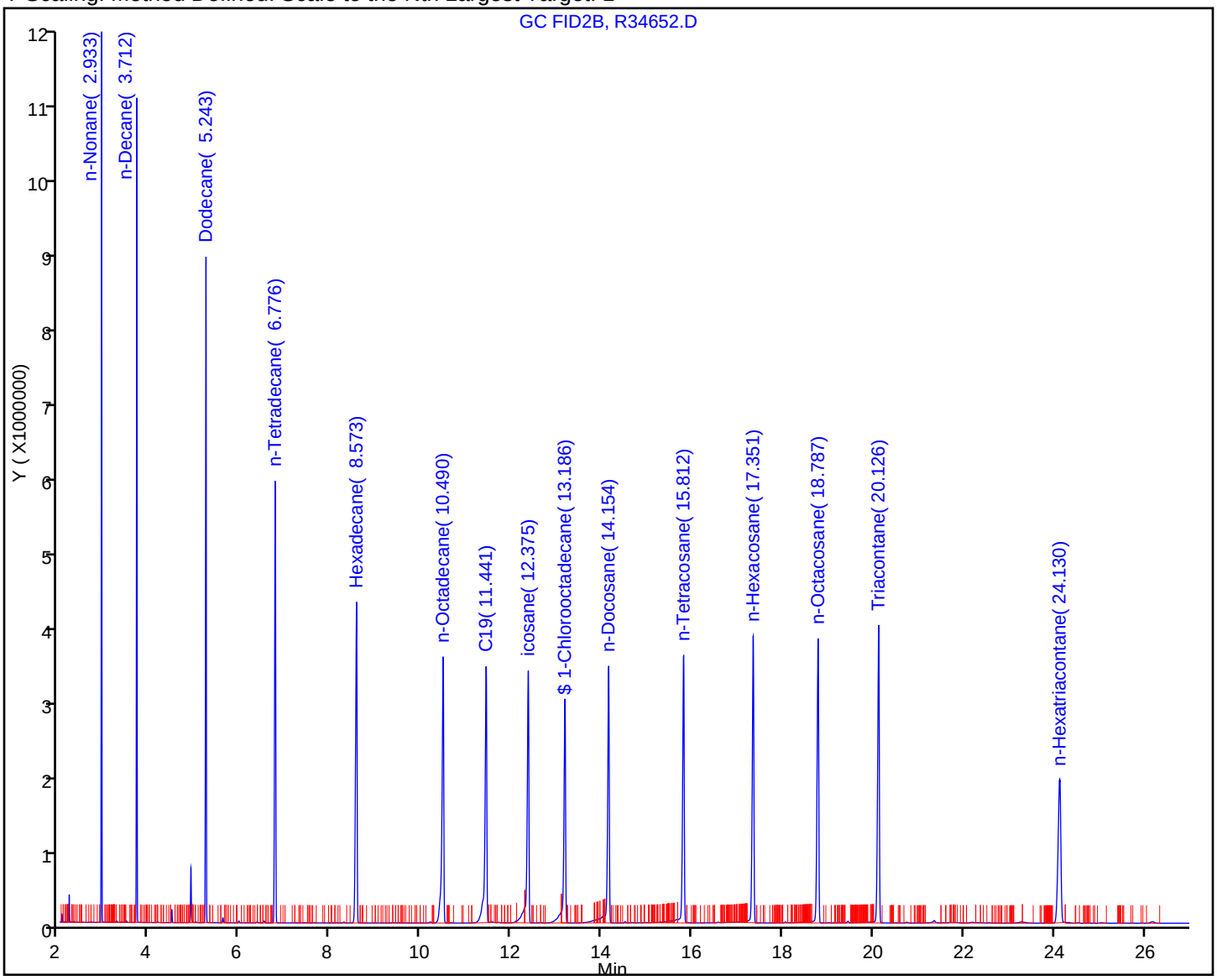
Review Flags
M - Manually Integrated

Report Date: 15-Dec-2010 08:40:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34652.D

Injection Date:	13-Dec-2010 10:21:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



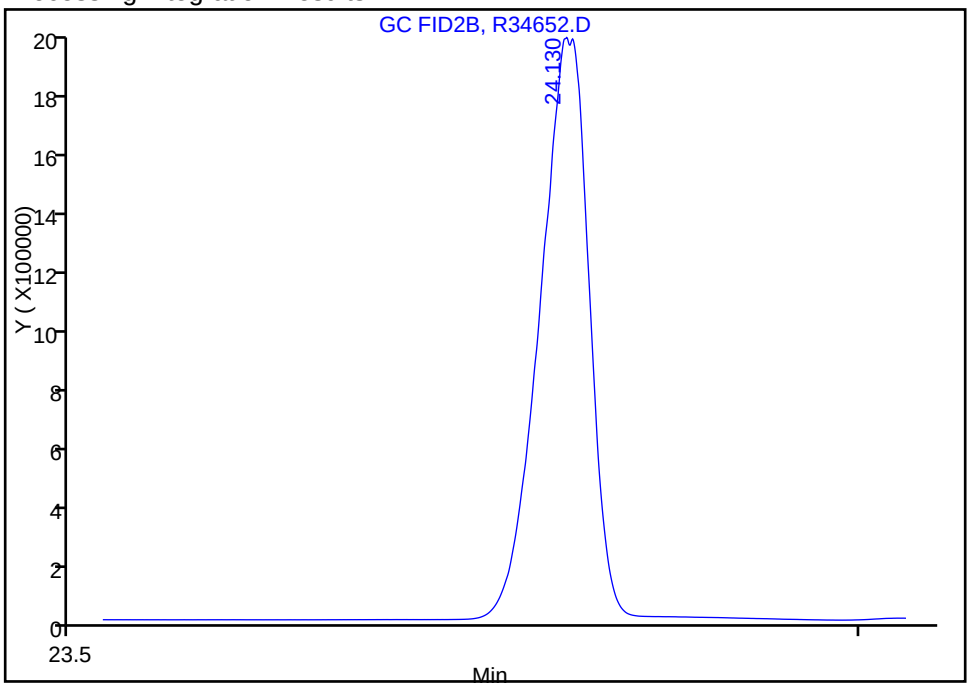
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34652.D		
Injection Date:	13-Dec-2010 10:21:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.13, Det: GC FID2B

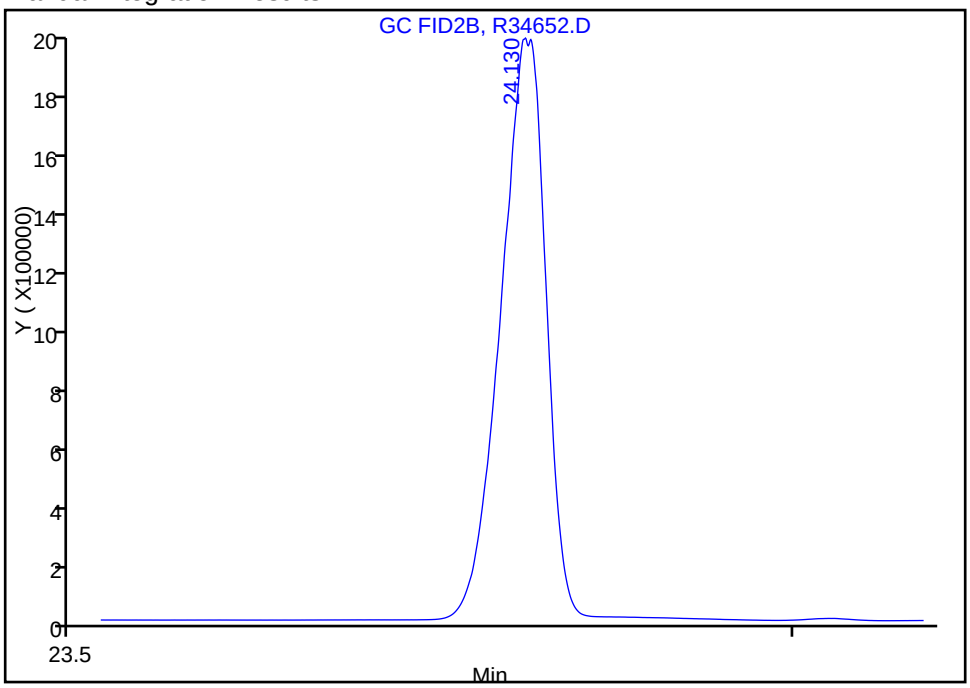
Processing Integration Results

RT: 24.13
Response: 4919192
Amount: 27.381215



Manual Integration Results

RT: 24.13
Response: 8124628
Amount: 45.223319



Reviewer: sadowskis, 13-Dec-2010 10:51:17
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67050/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	257472		50.1	50.0	0.3	25.0
2-Methylnaphthalene	Ave	249165	249669		50.1	50.0	0.2	25.0
Acenaphthylene	Ave	243927	242601		49.7	50.0	-0.5	25.0
Acenaphthene	Ave	248806	249798		50.2	50.0	0.4	25.0
Fluorene	Lin1		241266		52.9	50.0	5.8	25.0
Phenanthrene	Ave	237166	234812		49.5	50.0	-1.0	25.0
Anthracene	Ave	234475	228302		48.7	50.0	-2.6	25.0
Fluoranthene	Ave	231735	228635		49.3	50.0	-1.3	25.0
Pyrene	Ave	239401	231517		48.4	50.0	-3.3	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	222815		836	850	-1.7	25.0
Benzo[a]anthracene	Lin1		189847		53.2	50.0	6.3	25.0
Chrysene	Lin1		216078		53.6	50.0	7.2	25.0
Benzo[b]fluoranthene	Qua		206581		49.0	50.0	-2.0	25.0
Benzo[k]fluoranthene	Lin1		200290		50.3	50.0	0.5	25.0
Benzo[a]pyrene	Ave	220890	201902		45.7	50.0	-8.6	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	180320		40.6	50.0	-18.8	25.0
Dibenz(a,h)anthracene	Lin1		163637		46.0	50.0	-7.9	25.0
Benzo[g,h,i]perylene	Ave	212714	162497		38.2	50.0	-23.6	25.0
2-Fluorobiphenyl	Ave	218005	217319		49.8	50.0	-0.3	25.0
2-Bromonaphthalene	Ave	146616	146785		50.1	50.0	0.1	25.0
o-Terphenyl	Ave	251369	247095		49.1	50.0	-1.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	257472		50.1	50.0	0.3	25.0
2-Methylnaphthalene	Ave	249165	249669		50.1	50.0	0.2	25.0
Acenaphthylene	Ave	243927	242601		49.7	50.0	-0.5	25.0
Acenaphthene	Ave	248806	249798		50.2	50.0	0.4	25.0
Fluorene	Lin1		241266		52.9	50.0	5.8	25.0
Phenanthrene	Ave	237166	234812		49.5	50.0	-1.0	25.0
Anthracene	Ave	234475	228302		48.7	50.0	-2.6	25.0
Fluoranthene	Ave	231735	228635		49.3	50.0	-1.3	25.0
Pyrene	Ave	239401	231517		48.4	50.0	-3.3	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	222815		836	850	-1.7	25.0
Benzo[a]anthracene	Lin1		189847		53.2	50.0	6.3	25.0
Chrysene	Lin1		216078		53.6	50.0	7.2	25.0
Benzo[b]fluoranthene	Qua		206581		49.0	50.0	-2.0	25.0
Benzo[k]fluoranthene	Lin1		200290		50.3	50.0	0.5	25.0
Benzo[a]pyrene	Ave	220890	201902		45.7	50.0	-8.6	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	180320		40.6	50.0	-18.8	25.0
Dibenz(a,h)anthracene	Lin1		163637		46.0	50.0	-7.9	25.0
Benzo[g,h,i]perylene	Ave	212714	162497		38.2	50.0	-23.6	25.0
2-Fluorobiphenyl	Ave	218005	217319		49.8	50.0	-0.3	25.0
2-Bromonaphthalene	Ave	146616	146785		50.1	50.0	0.1	25.0
o-Terphenyl	Ave	251369	247095		49.1	50.0	-1.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67050/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.83	6.73	6.93
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.73	11.93
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.65	4.57	20.72
Benzo[a]anthracene	15.00	14.89	15.09
Chrysene	15.10	15.00	15.20
Benzo[b]fluoranthene	17.31	17.21	17.41
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.94	19.84	20.04
Dibenz(a,h)anthracene	20.01	19.91	20.11
Benzo[g,h,i]perylene	20.35	20.25	20.45
2-Fluorobiphenyl	5.89	5.79	5.99
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.83	6.73	6.93
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.73	11.93
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.65	4.57	20.72
Benzo[a]anthracene	15.00	14.89	15.09
Chrysene	15.10	15.00	15.20
Benzo[b]fluoranthene	17.31	17.21	17.41
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.94	19.84	20.04
Dibenz(a,h)anthracene	20.01	19.91	20.11
Benzo[g,h,i]perylene	20.35	20.25	20.45
2-Fluorobiphenyl	5.89	5.79	5.99
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	13-Dec-2010 17:56:11	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67050	Lims Sample ID:	14
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:42:49	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:42:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.894	5.893	0.001	10865962	49.8	
$ 2 2-Bromonaphthalene						
1	6.740	6.739	0.001	7339230	50.1	
$ 3 o-Terphenyl						
1	10.306	10.305	0.001	12354730	49.1	
$ 4 1-Chlorooctadecane						
2	13.184	13.183	0.001	7994914	54.0	
5 n-Nonane						
2	2.933	2.932	0.001	10258965	51.5	
6 n-Decane						
2	3.712	3.711	0.001	10396329	52.2	
7 Naphthalene						
1	4.666	4.665	0.001	12873588	50.1	
9 Dodecane						
2	5.243	5.242	0.001	10439824	52.8	
8 2-Methylnaphthalene						
1	5.427	5.427	0.000	12483442	50.1	
11 Acenaphthylene						
1	6.555	6.555	0.000	12130062	49.7	
15 n-Tetradecane						
2	6.775	6.774	0.001	10142185	49.4	
12 Acenaphthene						
1	6.831	6.832	-0.001	12489882	50.2	
14 Fluorene						
1	7.631	7.630	0.001	12063311	52.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.574	8.571	0.003	10086741	53.2	
16 Phenanthrene						
1	9.361	9.359	0.002	11740586	49.5	
17 Anthracene						
1	9.451	9.450	0.001	11415106	48.7	
20 n-Octadecane						
2	10.490	10.489	0.001	9983846	53.6	
22 C19						
2	11.444	11.441	0.003	9950431	50.6	
19 Fluoranthene						
1	11.831	11.832	-0.001	11431760	49.3	
21 Pyrene						
1	12.289	12.290	-0.001	11575862	48.4	
23 icosane						
2	12.374	12.374	0.000	9186823	48.9	
27 n-Docosane						
2	14.151	14.149	0.002	8652660	52.8	
24 Benzo[a]anthracene						
1	14.996	14.994	0.002	9492364	53.2	
25 Chrysene						
1	15.095	15.095	0.000	10803889	53.6	
28 n-Tetracosane						
2	15.811	15.809	0.002	9164376	53.0	
29 Benzo[b]fluoranthene						
1	17.305	17.306	-0.001	10329036	49.0	
32 n-Hexacosane						
2	17.351	17.350	0.001	9578395	53.8	
30 Benzo[k]fluoranthene						
1	17.368	17.370	-0.002	10014505	50.3	
31 Benzo[a]pyrene						
1	17.917	17.919	-0.002	10095080	45.7	
35 n-Octacosane						
2	18.788	18.786	0.002	9905255	54.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.940	19.938	0.002	9015991	40.6	
34 Dibenz(a,h)anthracene						
1	20.008	20.005	0.003	8181850	46.0	
37 Triacontane						
2	20.126	20.124	0.002	10205129	54.1	
36 Benzo[g,h,i]perylene						
1	20.354	20.349	0.005	8124854	38.2	
38 n-Hexatriacontane						
2	24.130	24.130	0.000	7784423	43.3	
A 39 C9-C18 Aliphatics						
2	6.711	2.833 - 10.590		64443838	300.9	
A 40 C11-C22 Aromatics						
1	12.648	4.566 - 20.721		189392475	835.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.472	10.590	-24.355	80899836	417.2	
S 44 EPH Adjustment 1						
1					738.9	
S 43 Total EPH						
1					814.8	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.7	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D
Lims ID: ccv Client ID:
Inject. Date: 13-Dec-2010 17:56:11 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67110 Lims Sample ID: 14
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m
Last Update: 15-Dec-2010 08:42:49 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:42:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.894	5.893	0.001	10865962	49.8	
$ 2 2-Bromonaphthalene						
1	6.740	6.739	0.001	7339230	50.1	
$ 3 o-Terphenyl						
1	10.306	10.305	0.001	12354730	49.1	
$ 4 1-Chlorooctadecane						
2	13.184	13.183	0.001	7994914	54.0	
5 n-Nonane						
2	2.933	2.932	0.001	10258965	51.5	
6 n-Decane						
2	3.712	3.711	0.001	10396329	52.2	
7 Naphthalene						
1	4.666	4.665	0.001	12873588	50.1	
9 Dodecane						
2	5.243	5.242	0.001	10439824	52.8	
8 2-Methylnaphthalene						
1	5.427	5.427	0.000	12483442	50.1	
11 Acenaphthylene						
1	6.555	6.555	0.000	12130062	49.7	
15 n-Tetradecane						
2	6.775	6.774	0.001	10142185	49.4	
12 Acenaphthene						
1	6.831	6.832	-0.001	12489882	50.2	
14 Fluorene						
1	7.631	7.630	0.001	12063311	52.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.574	8.571	0.003	10086741	53.2	
16 Phenanthrene						
1	9.361	9.359	0.002	11740586	49.5	
17 Anthracene						
1	9.451	9.450	0.001	11415106	48.7	
20 n-Octadecane						
2	10.490	10.489	0.001	9983846	53.6	
22 C19						
2	11.444	11.441	0.003	9950431	50.6	
19 Fluoranthene						
1	11.831	11.832	-0.001	11431760	49.3	
21 Pyrene						
1	12.289	12.290	-0.001	11575862	48.4	
23 icosane						
2	12.374	12.374	0.000	9186823	48.9	
27 n-Docosane						
2	14.151	14.149	0.002	8652660	52.8	
24 Benzo[a]anthracene						
1	14.996	14.994	0.002	9492364	53.2	
25 Chrysene						
1	15.095	15.095	0.000	10803889	53.6	
28 n-Tetracosane						
2	15.811	15.809	0.002	9164376	53.0	
29 Benzo[b]fluoranthene						
1	17.305	17.306	-0.001	10329036	49.0	
32 n-Hexacosane						
2	17.351	17.350	0.001	9578395	53.8	
30 Benzo[k]fluoranthene						
1	17.368	17.370	-0.002	10014505	50.3	
31 Benzo[a]pyrene						
1	17.917	17.919	-0.002	10095080	45.7	
35 n-Octacosane						
2	18.788	18.786	0.002	9905255	54.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.940	19.938	0.002	9015991	40.6	
34 Dibenz(a,h)anthracene						
1	20.008	20.005	0.003	8181850	46.0	
37 Triacontane						
2	20.126	20.124	0.002	10205129	54.1	
36 Benzo[g,h,i]perylene						
1	20.354	20.349	0.005	8124854	38.2	
38 n-Hexatriacontane						
2	24.130	24.130	0.000	7784423	43.3	
A 39 C9-C18 Aliphatics						
2	6.711	2.833 - 10.590		64443838	300.9	
A 40 C11-C22 Aromatics						
1	12.648	4.566 - 20.721		189392475	835.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.472	10.590	-24.355	80899836	417.2	
S 44 EPH Adjustment 1						
1					738.9	
S 43 Total EPH						
1					814.8	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.7	7
2					0	

LOD = 0.5000

QC Flag Legend

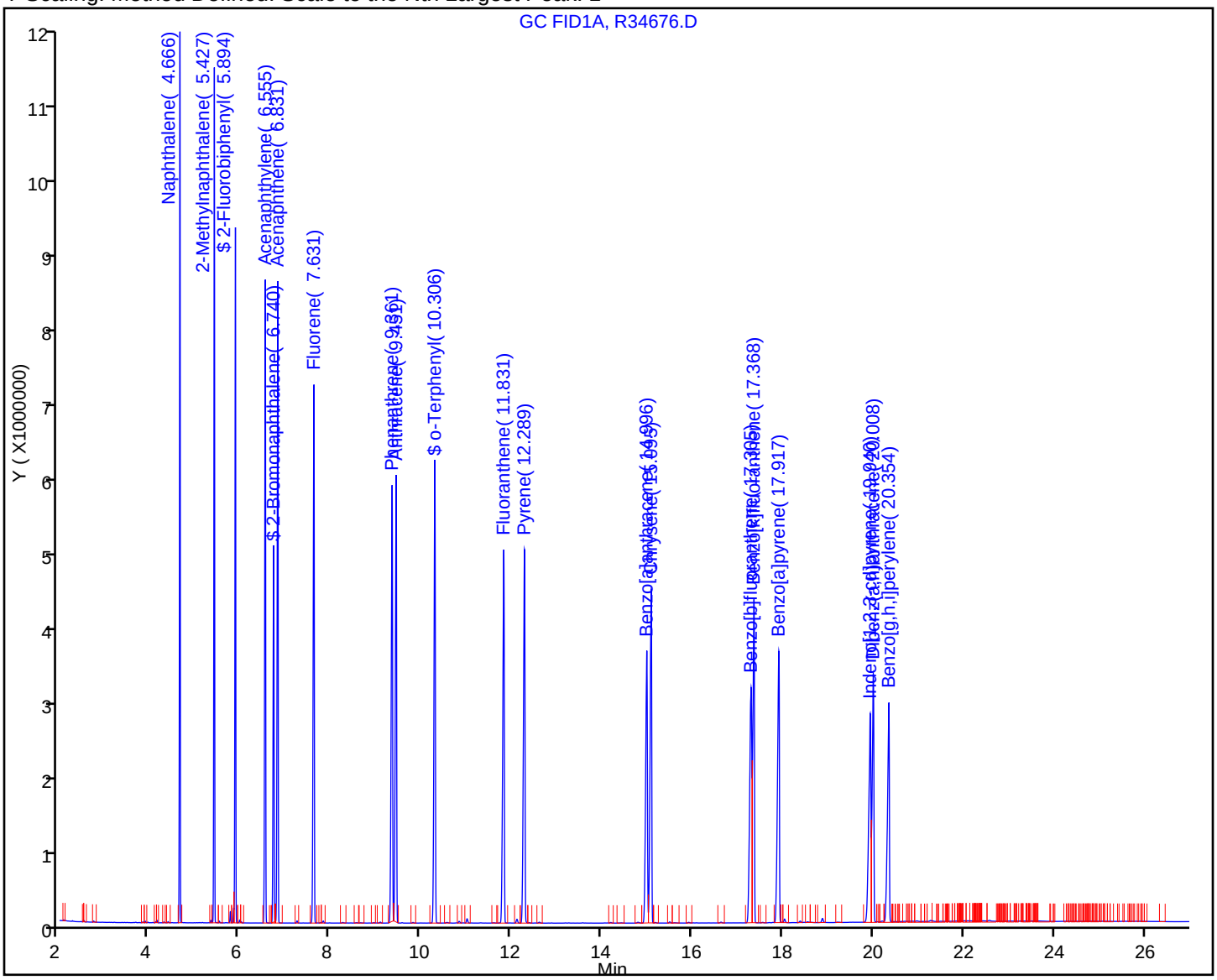
Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2010 08:42:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D

Injection Date:	13-Dec-2010 17:56:11	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67050	Lims Sample ID:	14
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

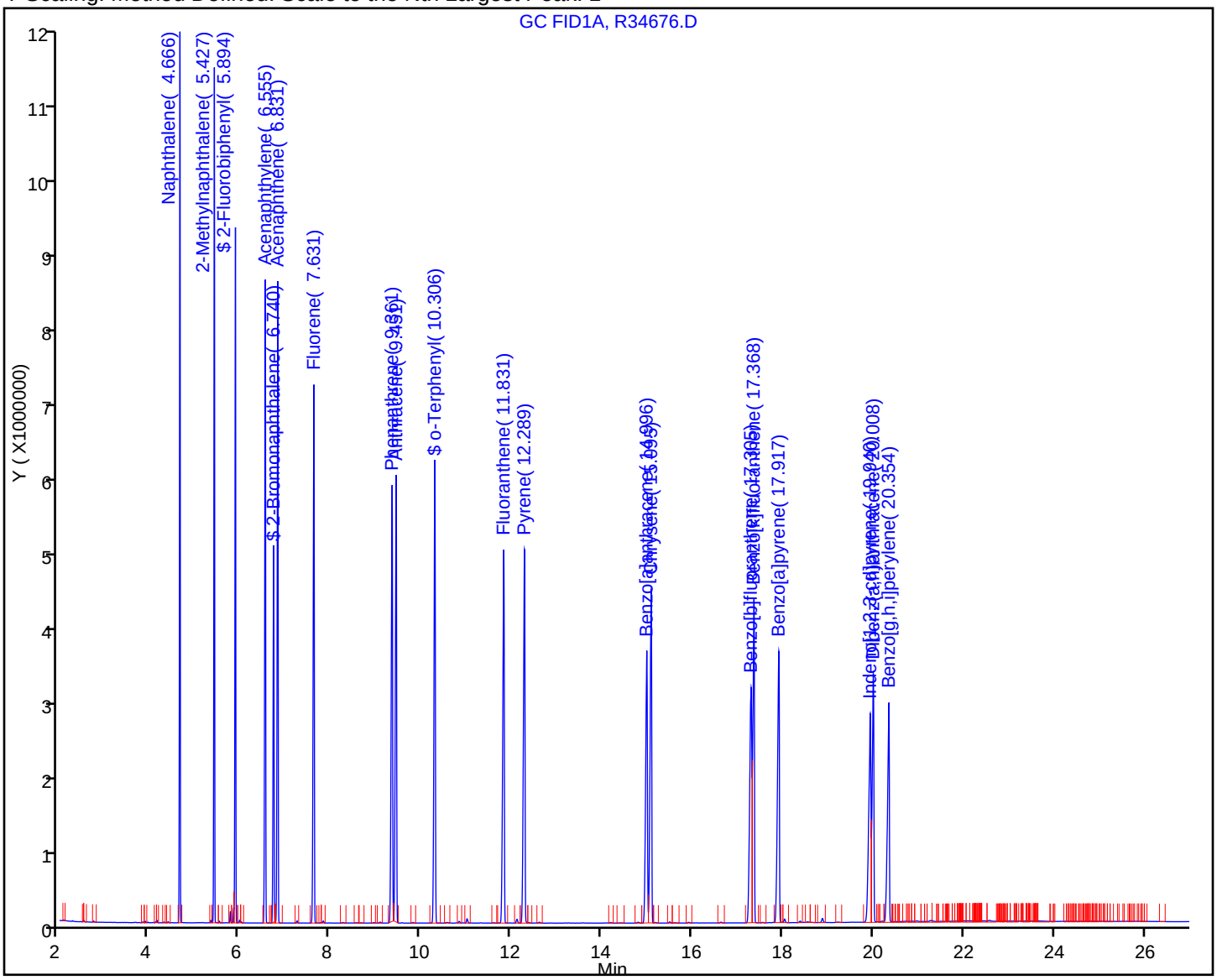


Report Date: 15-Dec-2010 08:42:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D

Injection Date:	13-Dec-2010 17:56:11	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	14
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67050/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	205179		51.5	50.0	3.0	30.0
n-Decane	Ave	199084	207927		52.2	50.0	4.4	25.0
Dodecane	Ave	197711	208796		52.8	50.0	5.6	25.0
C9-C18 Aliphatics	Lin1		214813		301	300	0.3	25.0
n-Tetradecane	Ave	205263	202844		49.4	50.0	-1.2	25.0
Hexadecane	Lin1		201735		53.2	50.0	6.5	25.0
n-Octadecane	Lin1		199677		53.6	50.0	7.3	25.0
C19	Ave	196523	199009		50.6	50.0	1.3	25.0
icosane	Ave	187741	183736		48.9	50.0	-2.1	25.0
n-Docosane	Lin1		173053		52.8	50.0	5.5	25.0
n-Tetracosane	Lin1		183288		53.0	50.0	6.0	25.0
n-Hexacosane	Lin1		191568		53.8	50.0	7.7	25.0
C19-C36 Aliphatics	Lin1		202250		417	400	4.3	25.0
n-Octacosane	Lin1		198105		54.2	50.0	8.5	25.0
Triacontane	Lin1		204103		54.1	50.0	8.3	25.0
n-Hexatriacontane	Ave	179656	155688		43.3	50.0	-13.3	25.0
1-Chlorooctadecane	Lin1		159898		54.0	50.0	8.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	205179		51.5	50.0	3.0	30.0
n-Decane	Ave	199084	207927		52.2	50.0	4.4	25.0
Dodecane	Ave	197711	208796		52.8	50.0	5.6	25.0
C9-C18 Aliphatics	Lin1		214813		301	300	0.3	25.0
n-Tetradecane	Ave	205263	202844		49.4	50.0	-1.2	25.0
Hexadecane	Lin1		201735		53.2	50.0	6.5	25.0
n-Octadecane	Lin1		199677		53.6	50.0	7.3	25.0
C19	Ave	196523	199009		50.6	50.0	1.3	25.0
icosane	Ave	187741	183736		48.9	50.0	-2.1	25.0
n-Docosane	Lin1		173053		52.8	50.0	5.5	25.0
n-Tetracosane	Lin1		183288		53.0	50.0	6.0	25.0
n-Hexacosane	Lin1		191568		53.8	50.0	7.7	25.0
C19-C36 Aliphatics	Lin1		202250		417	400	4.3	25.0
n-Octacosane	Lin1		198105		54.2	50.0	8.5	25.0
Triacontane	Lin1		204103		54.1	50.0	8.3	25.0
n-Hexatriacontane	Ave	179656	155688		43.3	50.0	-13.3	25.0
1-Chlorooctadecane	Lin1		159898		54.0	50.0	8.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67050/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.78	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.81	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.36
n-Octacosane	18.79	18.69	18.89
Triacontane	20.13	20.02	20.22
n-Hexatriacontane	24.13	24.03	24.23
1-Chlorooctadecane	13.18	13.08	13.28

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/14 Calibration Date: 12/13/2010 17:56

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34676.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.78	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.81	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.36
n-Octacosane	18.79	18.69	18.89
Triacontane	20.13	20.02	20.22
n-Hexatriacontane	24.13	24.03	24.23
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	13-Dec-2010 17:56:11	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67050	Lims Sample ID:	14
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:42:49	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:42:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.894	5.893	0.001	10865962	49.8	
$ 2 2-Bromonaphthalene						
1	6.740	6.739	0.001	7339230	50.1	
$ 3 o-Terphenyl						
1	10.306	10.305	0.001	12354730	49.1	
$ 4 1-Chlorooctadecane						
2	13.184	13.183	0.001	7994914	54.0	
5 n-Nonane						
2	2.933	2.932	0.001	10258965	51.5	
6 n-Decane						
2	3.712	3.711	0.001	10396329	52.2	
7 Naphthalene						
1	4.666	4.665	0.001	12873588	50.1	
9 Dodecane						
2	5.243	5.242	0.001	10439824	52.8	
8 2-Methylnaphthalene						
1	5.427	5.427	0.000	12483442	50.1	
11 Acenaphthylene						
1	6.555	6.555	0.000	12130062	49.7	
15 n-Tetradecane						
2	6.775	6.774	0.001	10142185	49.4	
12 Acenaphthene						
1	6.831	6.832	-0.001	12489882	50.2	
14 Fluorene						
1	7.631	7.630	0.001	12063311	52.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.574	8.571	0.003	10086741	53.2	
16 Phenanthrene						
1	9.361	9.359	0.002	11740586	49.5	
17 Anthracene						
1	9.451	9.450	0.001	11415106	48.7	
20 n-Octadecane						
2	10.490	10.489	0.001	9983846	53.6	
22 C19						
2	11.444	11.441	0.003	9950431	50.6	
19 Fluoranthene						
1	11.831	11.832	-0.001	11431760	49.3	
21 Pyrene						
1	12.289	12.290	-0.001	11575862	48.4	
23 icosane						
2	12.374	12.374	0.000	9186823	48.9	
27 n-Docosane						
2	14.151	14.149	0.002	8652660	52.8	
24 Benzo[a]anthracene						
1	14.996	14.994	0.002	9492364	53.2	
25 Chrysene						
1	15.095	15.095	0.000	10803889	53.6	
28 n-Tetracosane						
2	15.811	15.809	0.002	9164376	53.0	
29 Benzo[b]fluoranthene						
1	17.305	17.306	-0.001	10329036	49.0	
32 n-Hexacosane						
2	17.351	17.350	0.001	9578395	53.8	
30 Benzo[k]fluoranthene						
1	17.368	17.370	-0.002	10014505	50.3	
31 Benzo[a]pyrene						
1	17.917	17.919	-0.002	10095080	45.7	
35 n-Octacosane						
2	18.788	18.786	0.002	9905255	54.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.940	19.938	0.002	9015991	40.6	
34 Dibenz(a,h)anthracene						
1	20.008	20.005	0.003	8181850	46.0	
37 Triacontane						
2	20.126	20.124	0.002	10205129	54.1	
36 Benzo[g,h,i]perylene						
1	20.354	20.349	0.005	8124854	38.2	
38 n-Hexatriacontane						
2	24.130	24.130	0.000	7784423	43.3	
A 39 C9-C18 Aliphatics						
2	6.711	2.833 - 10.590		64443838	300.9	
A 40 C11-C22 Aromatics						
1	12.648	4.566 - 20.721		189392475	835.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.472	10.590	-24.355	80899836	417.2	
S 44 EPH Adjustment 1						
1					738.9	
S 43 Total EPH						
1					814.8	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.7	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	13-Dec-2010 17:56:11	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67110	Lims Sample ID:	14
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:42:49	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:42:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.894	5.893	0.001	10865962	49.8	
$ 2 2-Bromonaphthalene						
1	6.740	6.739	0.001	7339230	50.1	
$ 3 o-Terphenyl						
1	10.306	10.305	0.001	12354730	49.1	
$ 4 1-Chlorooctadecane						
2	13.184	13.183	0.001	7994914	54.0	
5 n-Nonane						
2	2.933	2.932	0.001	10258965	51.5	
6 n-Decane						
2	3.712	3.711	0.001	10396329	52.2	
7 Naphthalene						
1	4.666	4.665	0.001	12873588	50.1	
9 Dodecane						
2	5.243	5.242	0.001	10439824	52.8	
8 2-Methylnaphthalene						
1	5.427	5.427	0.000	12483442	50.1	
11 Acenaphthylene						
1	6.555	6.555	0.000	12130062	49.7	
15 n-Tetradecane						
2	6.775	6.774	0.001	10142185	49.4	
12 Acenaphthene						
1	6.831	6.832	-0.001	12489882	50.2	
14 Fluorene						
1	7.631	7.630	0.001	12063311	52.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.574	8.571	0.003	10086741	53.2	
16 Phenanthrene						
1	9.361	9.359	0.002	11740586	49.5	
17 Anthracene						
1	9.451	9.450	0.001	11415106	48.7	
20 n-Octadecane						
2	10.490	10.489	0.001	9983846	53.6	
22 C19						
2	11.444	11.441	0.003	9950431	50.6	
19 Fluoranthene						
1	11.831	11.832	-0.001	11431760	49.3	
21 Pyrene						
1	12.289	12.290	-0.001	11575862	48.4	
23 icosane						
2	12.374	12.374	0.000	9186823	48.9	
27 n-Docosane						
2	14.151	14.149	0.002	8652660	52.8	
24 Benzo[a]anthracene						
1	14.996	14.994	0.002	9492364	53.2	
25 Chrysene						
1	15.095	15.095	0.000	10803889	53.6	
28 n-Tetracosane						
2	15.811	15.809	0.002	9164376	53.0	
29 Benzo[b]fluoranthene						
1	17.305	17.306	-0.001	10329036	49.0	
32 n-Hexacosane						
2	17.351	17.350	0.001	9578395	53.8	
30 Benzo[k]fluoranthene						
1	17.368	17.370	-0.002	10014505	50.3	
31 Benzo[a]pyrene						
1	17.917	17.919	-0.002	10095080	45.7	
35 n-Octacosane						
2	18.788	18.786	0.002	9905255	54.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.940	19.938	0.002	9015991	40.6	
34 Dibenz(a,h)anthracene						
1	20.008	20.005	0.003	8181850	46.0	
37 Triacontane						
2	20.126	20.124	0.002	10205129	54.1	
36 Benzo[g,h,i]perylene						
1	20.354	20.349	0.005	8124854	38.2	
38 n-Hexatriacontane						
2	24.130	24.130	0.000	7784423	43.3	
A 39 C9-C18 Aliphatics						
2	6.711	2.833 - 10.590		64443838	300.9	
A 40 C11-C22 Aromatics						
1	12.648	4.566 - 20.721		189392475	835.6	

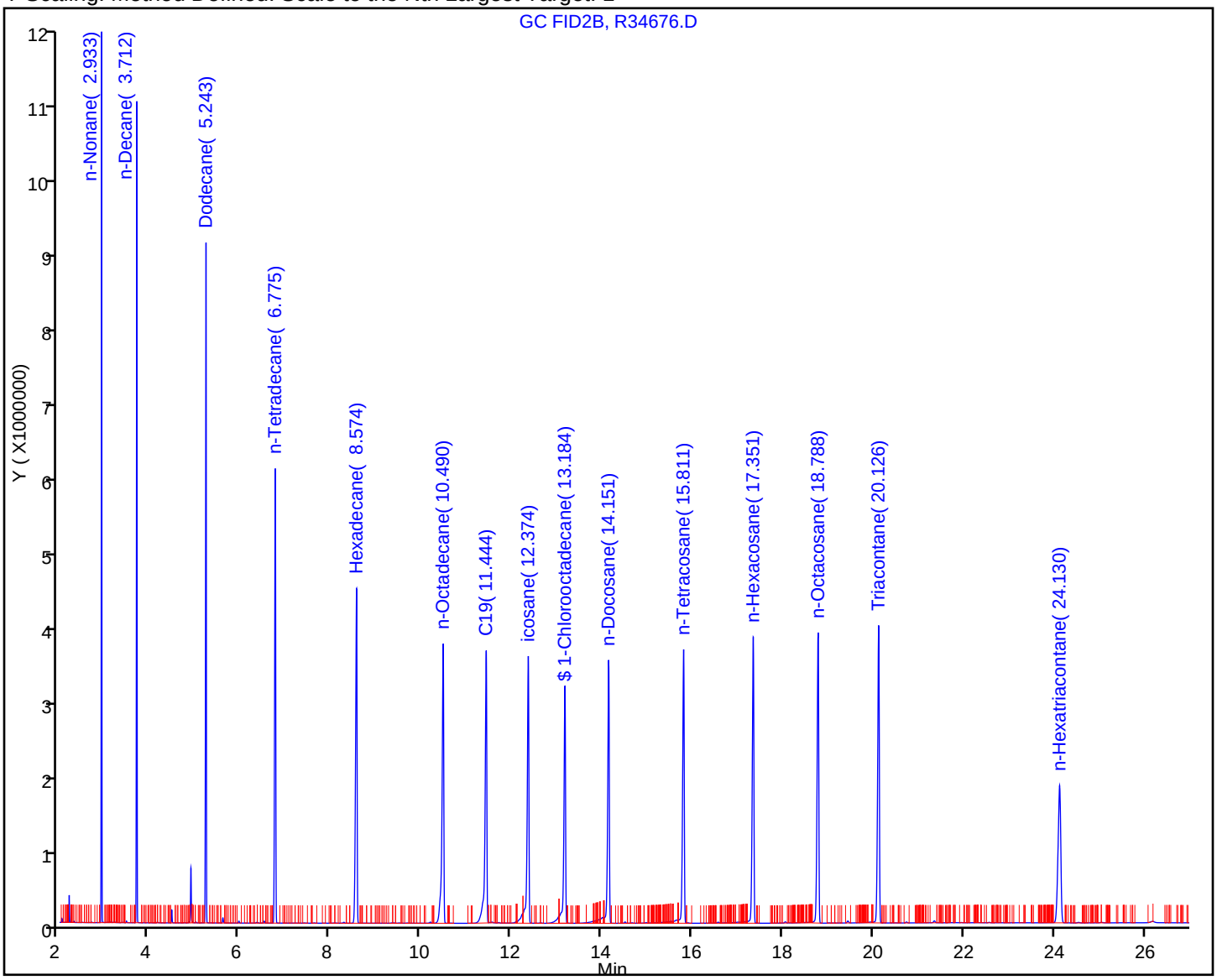
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.472	10.590	-24.355	80899836	417.2	
S 44 EPH Adjustment 1						
1					738.9	
S 43 Total EPH						
1					814.8	
S 42 C11-C22 Aromatics (Adjusted)						
1					96.7	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2010 08:42:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D
Injection Date: 13-Dec-2010 17:56:11 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67050 Lims Sample ID: 14
Operator ID: SS Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

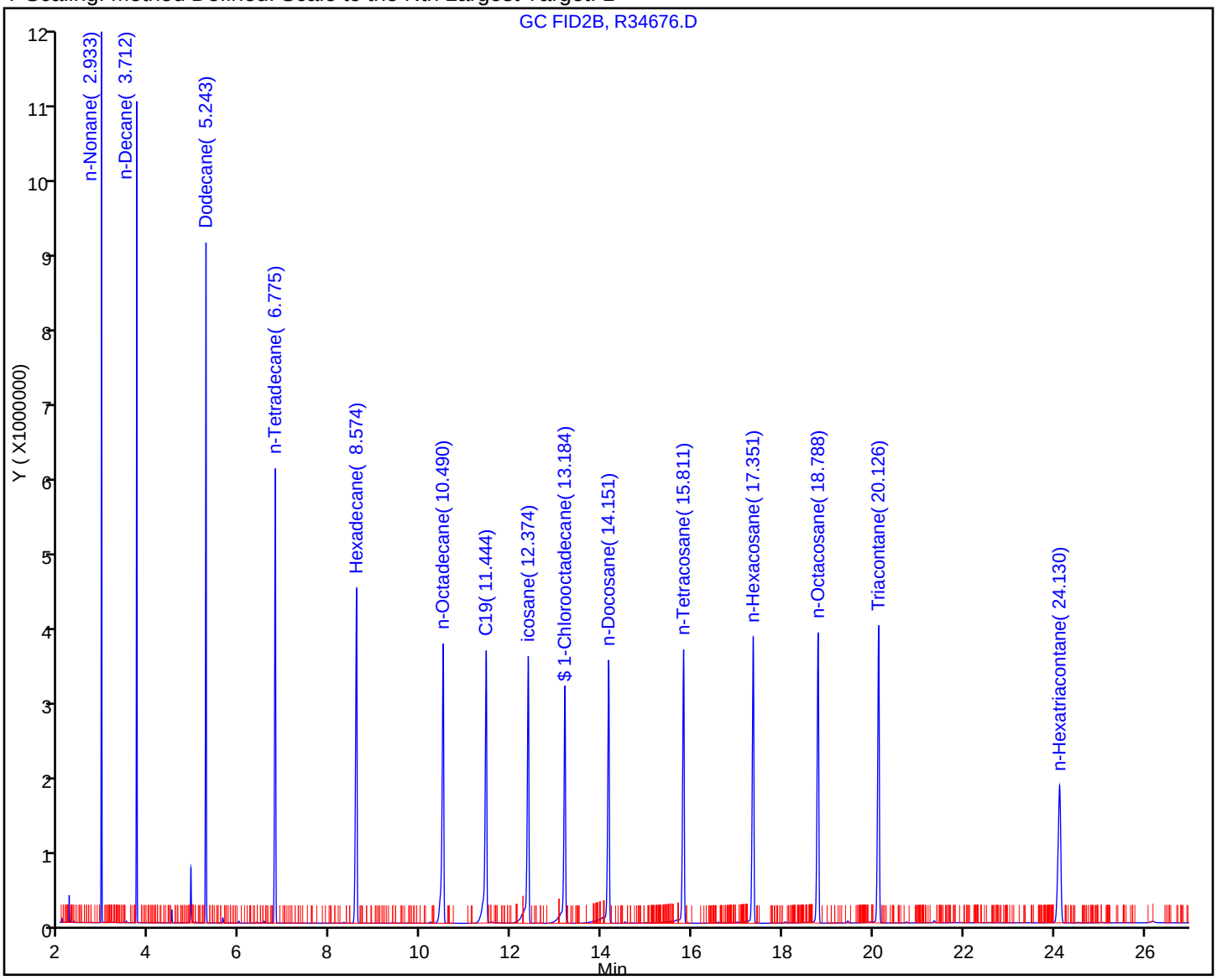


Report Date: 15-Dec-2010 08:42:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34676.D

Injection Date:	13-Dec-2010 17:56:11	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	14
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/24 Calibration Date: 12/14/2010 15:47

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34698.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	294557		57.3	50.0	14.7	25.0
2-Methylnaphthalene	Ave	249165	285401		57.3	50.0	14.5	25.0
Acenaphthylene	Ave	243927	276197		56.6	50.0	13.2	25.0
Acenaphthene	Ave	248806	285868		57.4	50.0	14.9	25.0
Fluorene	Lin1		276250		60.6	50.0	21.2	25.0
Phenanthrene	Ave	237166	269231		56.8	50.0	13.5	25.0
Anthracene	Ave	234475	257205		54.8	50.0	9.7	25.0
Fluoranthene	Ave	231735	262824		56.7	50.0	13.4	25.0
Pyrene	Ave	239401	266184		55.6	50.0	11.2	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	249082		934	850	9.9	25.0
Benzo[a]anthracene	Lin1		218004		61.1	50.0	22.2	25.0
Chrysene	Lin1		248387		61.6	50.0	23.3	25.0
Benzo[b]fluoranthene	Qua		237293		56.9	50.0	13.8	25.0
Benzo[k]fluoranthene	Lin1		220895		55.4	50.0	10.9	25.0
Benzo[a]pyrene	Ave	220890	222149		50.3	50.0	0.6	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	183454		41.3	50.0	-17.4	25.0
Dibenz(a,h)anthracene	Lin1		167658		47.2	50.0	-5.7	25.0
Benzo[g,h,i]perylene	Ave	212714	162137		38.1	50.0	-23.8	25.0
2-Fluorobiphenyl	Ave	218005	248870		57.1	50.0	14.2	25.0
2-Bromonaphthalene	Ave	146616	168049		57.3	50.0	14.6	25.0
o-Terphenyl	Ave	251369	284634		56.6	50.0	13.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/24 Calibration Date: 12/14/2010 15:47

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34698.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.83	6.73	6.93
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.73	11.93
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.64	4.57	20.70
Benzo[a]anthracene	14.99	14.89	15.09
Chrysene	15.10	15.00	15.20
Benzo[b]fluoranthene	17.31	17.21	17.41
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.94	19.84	20.04
Dibenz(a,h)anthracene	20.01	19.91	20.11
Benzo[g,h,i]perylene	20.35	20.25	20.45
2-Fluorobiphenyl	5.89	5.79	5.99
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34698.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	14-Dec-2010 15:47:32	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67110	Lims Sample ID:	24
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:54:13	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:54:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.893	5.893	0.000	12443523	57.1	
$ 2 2-Bromonaphthalene						
1	6.739	6.739	0.000	8402459	57.3	
$ 3 o-Terphenyl						
1	10.305	10.305	0.000	14231705	56.6	
$ 4 1-Chlorooctadecane						
2	13.183	13.183	0.000	7861766	53.1	
5 n-Nonane						
2	2.932	2.932	0.000	10614669	53.3	
6 n-Decane						
2	3.711	3.711	0.000	10871784	54.6	
7 Naphthalene						
1	4.665	4.665	0.000	14727841	57.3	
9 Dodecane						
2	5.242	5.242	0.000	10998759	55.6	
8 2-Methylnaphthalene						
1	5.427	5.427	0.000	14270070	57.3	
11 Acenaphthylene						
1	6.555	6.555	0.000	13809835	56.6	
15 n-Tetradecane						
2	6.774	6.774	0.000	10706475	52.2	
12 Acenaphthene						
1	6.832	6.832	0.000	14293398	57.4	
14 Fluorene						
1	7.630	7.630	0.000	13812503	60.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.571	8.571	0.000	10642299	56.2	
16 Phenanthrene						
1	9.359	9.359	0.000	13461540	56.8	
17 Anthracene						
1	9.450	9.450	0.000	12860267	54.8	
20 n-Octadecane						
2	10.489	10.489	0.000	10538023	56.6	
22 C19						
2	11.441	11.441	0.000	10575235	53.8	
19 Fluoranthene						
1	11.832	11.832	0.000	13141200	56.7	
21 Pyrene						
1	12.290	12.290	0.000	13309178	55.6	
23 icosane						
2	12.374	12.374	0.000	9125639	48.6	
27 n-Docosane						
2	14.149	14.149	0.000	9074547	55.3	
24 Benzo[a]anthracene						
1	14.994	14.994	0.000	10900204	61.1	
25 Chrysene						
1	15.095	15.095	0.000	12419339	61.6	
28 n-Tetracosane						
2	15.809	15.809	0.000	9518947	55.1	
29 Benzo[b]fluoranthene						
1	17.306	17.306	0.000	11864639	56.9	
32 n-Hexacosane						
2	17.350	17.350	0.000	10164478	57.1	
30 Benzo[k]fluoranthene						
1	17.370	17.370	0.000	11044752	55.4	
31 Benzo[a]pyrene						
1	17.919	17.919	0.000	11107453	50.3	
35 n-Octacosane						
2	18.786	18.786	0.000	10598609	58.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.938	19.938	0.000	9172692	41.3	
34 Dibenz(a,h)anthracene						
1	20.005	20.005	0.000	8382911	47.2	
37 Triacontane						
2	20.124	20.124	0.000	10929339	58.0	
36 Benzo[g,h,i]perylene						
1	20.349	20.349	0.000	8106857	38.1	
38 n-Hexatriacontane						M
2	24.129	24.129	0.000	7911843	44.0	M
A 39 C9-C18 Aliphatics						
2	6.712	2.832 - 10.589		67608754	317.2	
A 40 C11-C22 Aromatics						
1	12.644	4.565 - 20.703		211719561	934.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.473	10.589	-24.394	85197731	440.8	
S 44 EPH Adjustment 1						
1					836.6	
S 43 Total EPH						
1					855.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					97.4	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

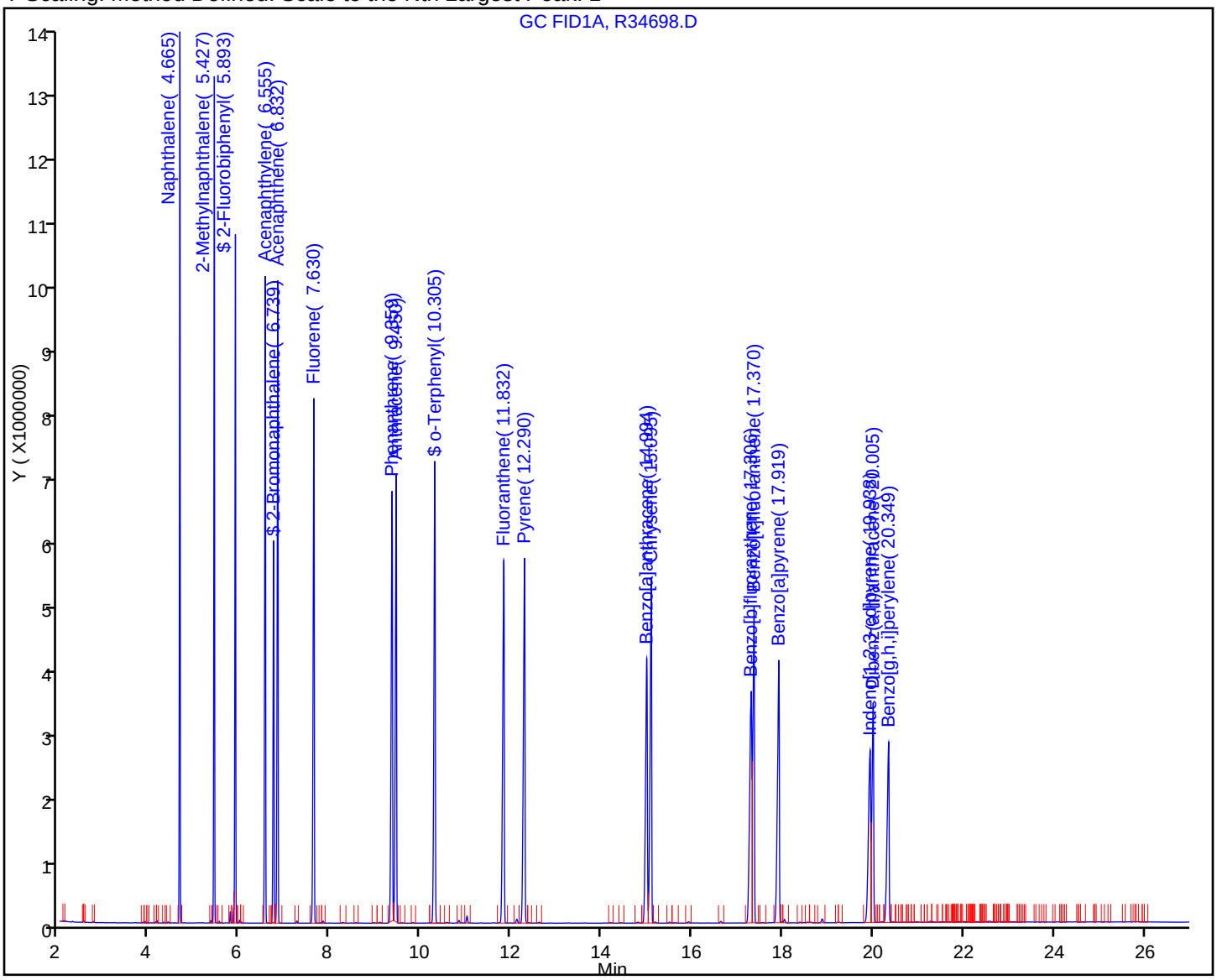
Review Flags
M - Manually Integrated

Report Date: 15-Dec-2010 08:54:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34698.D

Injection Date:	14-Dec-2010 15:47:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	24
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/24 Calibration Date: 12/14/2010 15:47

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34698.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	212293		53.3	50.0	6.6	30.0
n-Decane	Ave	199084	217436		54.6	50.0	9.2	25.0
Dodecane	Ave	197711	219975		55.6	50.0	11.3	25.0
C9-C18 Aliphatics	Lin1		225363		317	300	5.7	25.0
n-Tetradecane	Ave	205263	214130		52.2	50.0	4.3	25.0
Hexadecane	Lin1		212846		56.2	50.0	12.4	25.0
n-Octadecane	Lin1		210760		56.6	50.0	13.3	25.0
C19	Ave	196523	211505		53.8	50.0	7.6	25.0
icosane	Ave	187741	182513		48.6	50.0	-2.8	25.0
n-Docosane	Lin1		181491		55.3	50.0	10.7	25.0
n-Tetracosane	Lin1		190379		55.1	50.0	10.2	25.0
n-Hexacosane	Lin1		203290		57.1	50.0	14.3	25.0
C19-C36 Aliphatics	Lin1		212994		441	400	10.2	25.0
n-Octacosane	Lin1		211972		58.0	50.0	16.1	25.0
Triacontane	Lin1		218587		58.0	50.0	16.0	25.0
n-Hexatriacontane	Ave	179656	158237		44.0	50.0	-11.9	25.0
1-Chlorooctadecane	Lin1		157235		53.1	50.0	6.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67110/24 Calibration Date: 12/14/2010 15:47

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34698.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.81	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.39
n-Octacosane	18.79	18.69	18.89
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.13	24.03	24.23
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34698.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	14-Dec-2010 15:47:32	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67110	Lims Sample ID:	24
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\MAEPH-R.m		
Last Update:	15-Dec-2010 08:54:13	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 15-Dec-2010 08:54:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.893	5.893	0.000	12443523	57.1	
$ 2 2-Bromonaphthalene						
1	6.739	6.739	0.000	8402459	57.3	
$ 3 o-Terphenyl						
1	10.305	10.305	0.000	14231705	56.6	
$ 4 1-Chlorooctadecane						
2	13.183	13.183	0.000	7861766	53.1	
5 n-Nonane						
2	2.932	2.932	0.000	10614669	53.3	
6 n-Decane						
2	3.711	3.711	0.000	10871784	54.6	
7 Naphthalene						
1	4.665	4.665	0.000	14727841	57.3	
9 Dodecane						
2	5.242	5.242	0.000	10998759	55.6	
8 2-Methylnaphthalene						
1	5.427	5.427	0.000	14270070	57.3	
11 Acenaphthylene						
1	6.555	6.555	0.000	13809835	56.6	
15 n-Tetradecane						
2	6.774	6.774	0.000	10706475	52.2	
12 Acenaphthene						
1	6.832	6.832	0.000	14293398	57.4	
14 Fluorene						
1	7.630	7.630	0.000	13812503	60.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.571	8.571	0.000	10642299	56.2	
16 Phenanthrene						
1	9.359	9.359	0.000	13461540	56.8	
17 Anthracene						
1	9.450	9.450	0.000	12860267	54.8	
20 n-Octadecane						
2	10.489	10.489	0.000	10538023	56.6	
22 C19						
2	11.441	11.441	0.000	10575235	53.8	
19 Fluoranthene						
1	11.832	11.832	0.000	13141200	56.7	
21 Pyrene						
1	12.290	12.290	0.000	13309178	55.6	
23 icosane						
2	12.374	12.374	0.000	9125639	48.6	
27 n-Docosane						
2	14.149	14.149	0.000	9074547	55.3	
24 Benzo[a]anthracene						
1	14.994	14.994	0.000	10900204	61.1	
25 Chrysene						
1	15.095	15.095	0.000	12419339	61.6	
28 n-Tetracosane						
2	15.809	15.809	0.000	9518947	55.1	
29 Benzo[b]fluoranthene						
1	17.306	17.306	0.000	11864639	56.9	
32 n-Hexacosane						
2	17.350	17.350	0.000	10164478	57.1	
30 Benzo[k]fluoranthene						
1	17.370	17.370	0.000	11044752	55.4	
31 Benzo[a]pyrene						
1	17.919	17.919	0.000	11107453	50.3	
35 n-Octacosane						
2	18.786	18.786	0.000	10598609	58.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.938	19.938	0.000	9172692	41.3	
34 Dibenz(a,h)anthracene						
1	20.005	20.005	0.000	8382911	47.2	
37 Triacontane						
2	20.124	20.124	0.000	10929339	58.0	
36 Benzo[g,h,i]perylene						
1	20.349	20.349	0.000	8106857	38.1	
38 n-Hexatriacontane						M
2	24.129	24.129	0.000	7911843	44.0	M
A 39 C9-C18 Aliphatics						
2	6.712	2.832 - 10.589		67608754	317.2	
A 40 C11-C22 Aromatics						
1	12.644	4.565 - 20.703		211719561	934.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.473	10.589	-24.394	85197731	440.8	
S 44 EPH Adjustment 1						
1					836.6	
S 43 Total EPH						
1					855.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					97.4	7
2					0	

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

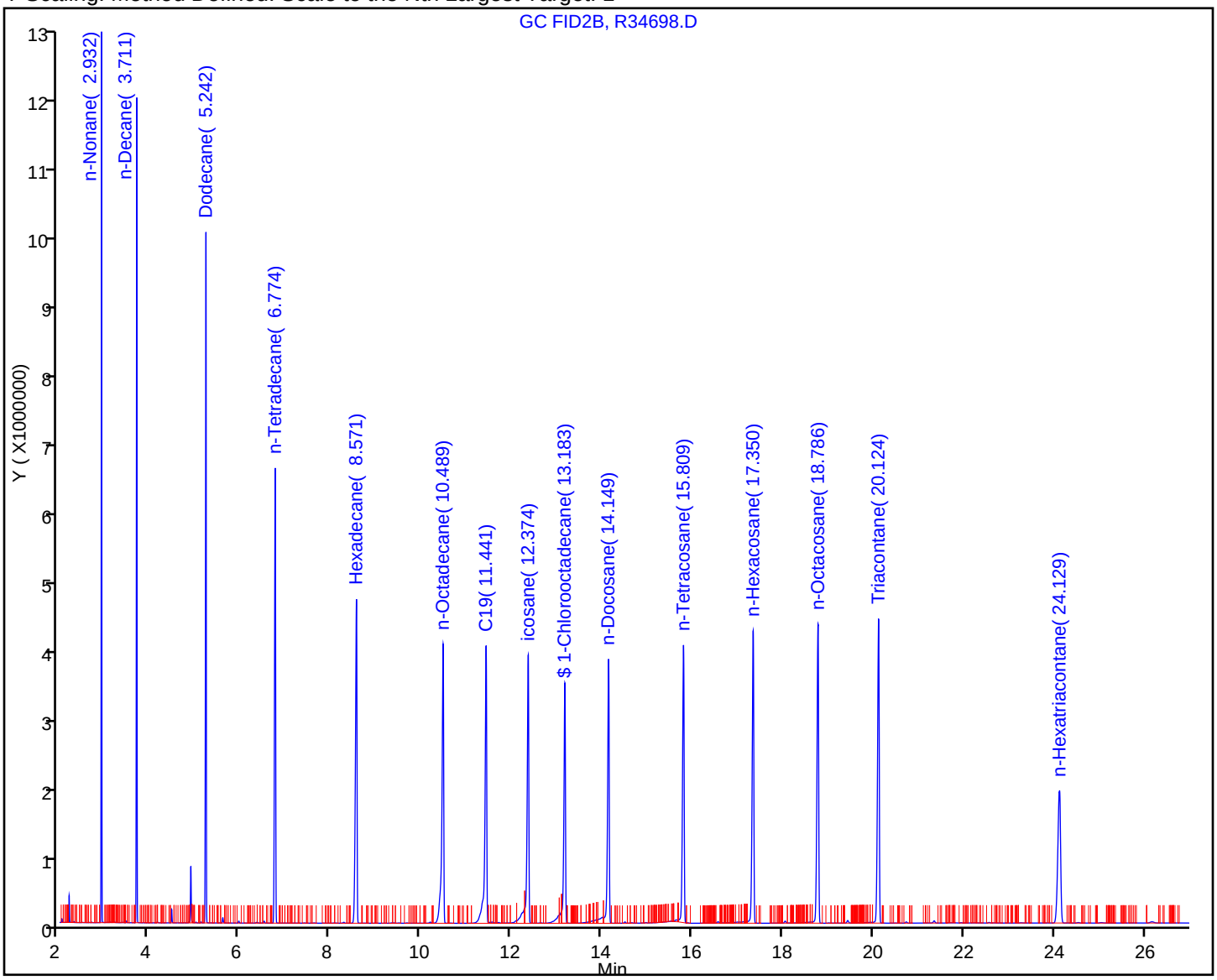
Review Flags
M - Manually Integrated

Report Date: 15-Dec-2010 08:54:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34698.D

Injection Date:	14-Dec-2010 15:47:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	24
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 15-Dec-2010 08:54:15 Chrom Revision: 1.2 29-Oct-2010 14:13:24

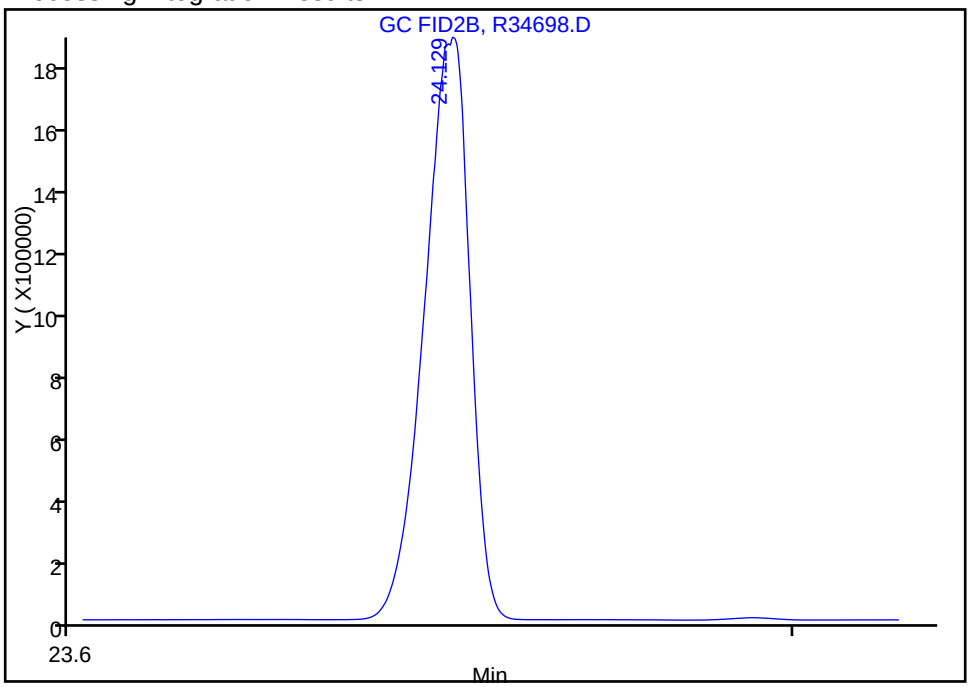
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101213-4335.b\R34698.D		
Injection Date:	14-Dec-2010 15:47:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67110	Lims Sample ID:	24
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.13, Det: GC FID2B

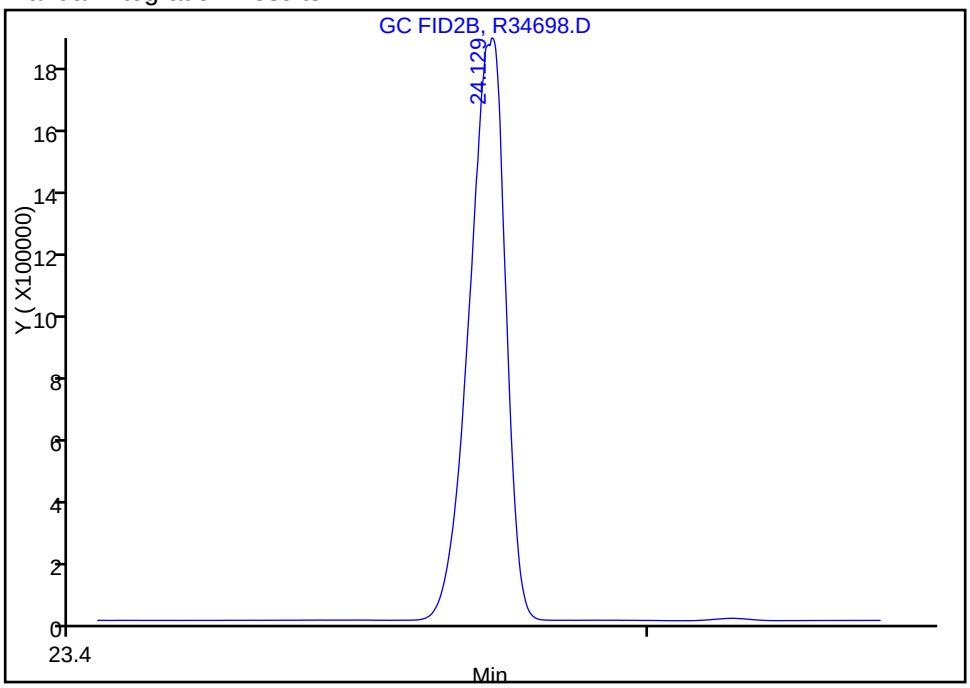
Processing Integration Results

RT: 24.13
Response: 3462544
Amount: 19.273219



Manual Integration Results

RT: 24.13
Response: 7911843
Amount: 44.038915



Reviewer: sadowskis, 14-Dec-2010 16:23:46
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/1 Calibration Date: 12/15/2010 13:19

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34702.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	269883		52.5	50.0	5.1	25.0
2-Methylnaphthalene	Ave	249165	259515		52.1	50.0	4.2	25.0
Acenaphthylene	Ave	243927	251810		51.6	50.0	3.2	25.0
Acenaphthene	Ave	248806	257613		51.8	50.0	3.5	25.0
Fluorene	Lin1		248743		54.6	50.0	9.1	25.0
Phenanthrene	Ave	237166	245567		51.8	50.0	3.5	25.0
Anthracene	Ave	234475	237915		50.7	50.0	1.5	25.0
Fluoranthene	Ave	231735	237886		51.3	50.0	2.7	25.0
Pyrene	Ave	239401	242109		50.6	50.0	1.1	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	239979		900	850	5.9	25.0
Benzo[a]anthracene	Lin1		201149		56.3	50.0	12.7	25.0
Chrysene	Lin1		227811		56.5	50.0	13.1	25.0
Benzo[b]fluoranthene	Qua		223612		53.3	50.0	6.7	25.0
Benzo[k]fluoranthene	Lin1		211914		53.2	50.0	6.4	25.0
Benzo[a]pyrene	Ave	220890	224930		50.9	50.0	1.8	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	238565		53.7	50.0	7.4	25.0
Dibenz(a,h)anthracene	Lin1		200578		56.5	50.0	12.9	25.0
Benzo[g,h,i]perylene	Ave	212714	224693		52.8	50.0	5.6	25.0
2-Fluorobiphenyl	Ave	218005	224416		51.5	50.0	2.9	25.0
2-Bromonaphthalene	Ave	146616	150852		51.4	50.0	2.9	25.0
o-Terphenyl	Ave	251369	253902		50.5	50.0	1.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/1 Calibration Date: 12/15/2010 13:19

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34702.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.83	6.74	6.94
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.74	11.94
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.63	4.57	20.76
Benzo[a]anthracene	15.00	14.90	15.10
Chrysene	15.10	14.99	15.19
Benzo[b]fluoranthene	17.31	17.20	17.40
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.95	19.84	20.04
Dibenz(a,h)anthracene	20.02	19.91	20.11
Benzo[g,h,i]perylene	20.36	20.26	20.46
2-Fluorobiphenyl	5.90	5.80	6.00
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34702.D
Lims ID: CCVRT Client ID:
Inject. Date: 15-Dec-2010 13:19:19 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67201 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:03:11 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.897	0.000	11220823	51.5	
$ 2 2-Bromonaphthalene						
1	6.742	6.743	-0.001	7542588	51.4	
$ 3 o-Terphenyl						
1	10.307	10.308	-0.001	12695098	50.5	
$ 4 1-Chlorooctadecane						
2	13.179	13.180	-0.001	8288357	56.0	
5 n-Nonane						
2	2.929	2.930	-0.001	9913601	49.8	
6 n-Decane						
2	3.709	3.709	0.000	10021720	50.3	
7 Naphthalene						
1	4.669	4.669	0.000	13494137	52.5	
9 Dodecane						
2	5.242	5.241	0.001	10108252	51.1	
8 2-Methylnaphthalene						
1	5.431	5.430	0.001	12975766	52.1	
11 Acenaphthylene						
1	6.558	6.558	0.000	12590507	51.6	
15 n-Tetradecane						
2	6.774	6.773	0.001	9913425	48.3	
12 Acenaphthene						
1	6.834	6.835	-0.001	12880674	51.8	
14 Fluorene						
1	7.632	7.633	-0.001	12437162	54.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.569	8.570	-0.001	9935885	52.4	
16 Phenanthrene						
1	9.362	9.363	-0.001	12278343	51.8	
17 Anthracene						
1	9.451	9.453	-0.002	11895749	50.7	
20 n-Octadecane						
2	10.485	10.486	-0.001	9854602	53.0	
22 C19						
2	11.437	11.439	-0.002	9837332	50.1	
19 Fluoranthene						
1	11.833	11.836	-0.003	11894283	51.3	
21 Pyrene						
1	12.291	12.292	-0.001	12105448	50.6	
23 icosane						
2	12.369	12.367	0.002	9604916	51.2	
27 n-Docosane						
2	14.144	14.149	-0.005	8694849	53.0	
24 Benzo[a]anthracene						
1	14.998	14.997	0.001	10057461	56.3	
25 Chrysene						
1	15.097	15.093	0.004	11390529	56.5	
28 n-Tetracosane						
2	15.804	15.806	-0.002	9053938	52.4	
29 Benzo[b]fluoranthene						M
1	17.312	17.304	0.008	11180606	53.3	M
32 n-Hexacosane						
2	17.345	17.346	-0.001	9237321	51.9	
30 Benzo[k]fluoranthene						
1	17.370	17.372	-0.002	10595677	53.2	
31 Benzo[a]pyrene						
1	17.922	17.922	0.000	11246512	50.9	
35 n-Octacosane						
2	18.778	18.781	-0.003	9373676	51.3	
33 Indeno[1,2,3-cd]pyrene						
1	19.950	19.941	0.009	11928246	53.7	
34 Dibenz(a,h)anthracene						
1	20.015	20.012	0.003	10028920	56.5	
37 Triacontane						
2	20.119	20.119	0.000	9688002	51.4	
36 Benzo[g,h,i]perylene						
1	20.364	20.355	0.009	11234665	52.8	
38 n-Hexatriacontane						M
2	24.131	24.119	0.012	10131157	56.4	M
A 39 C9-C18 Aliphatics						
2	6.711	2.829 - 10.585		63963199	298.5	
A 40 C11-C22 Aromatics						
1	12.634	4.569 - 20.760		203981925	899.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.492	10.585	-24.349	79694753	410.6	
S 42 C11-C22 Aromatics (Adjusted)						
1					109.8	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					818.9	
S 44 EPH Adjustment 1						
1					790.1	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

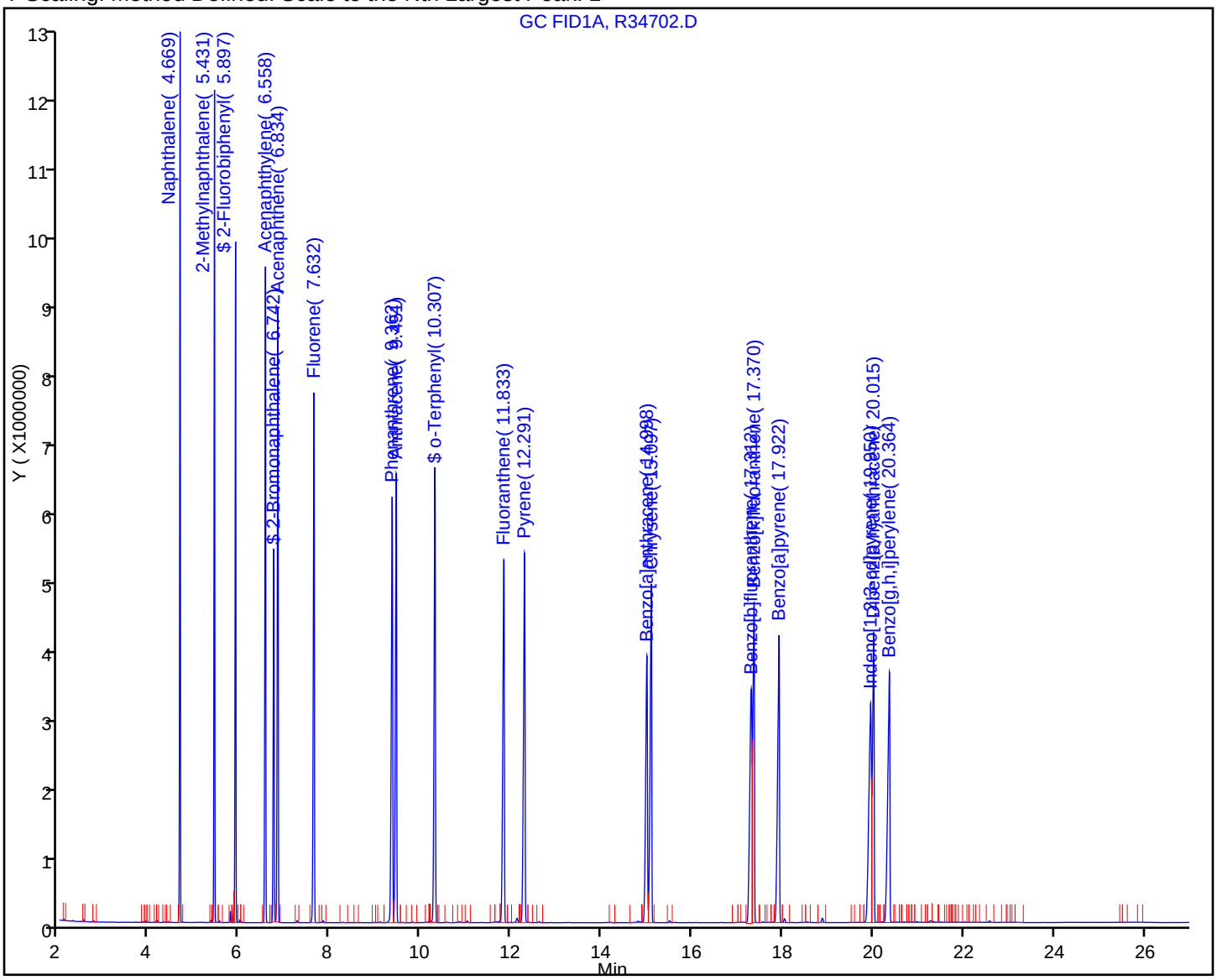
Review Flags
M - Manually Integrated

Report Date: 16-Dec-2010 11:03:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34702.D

Injection Date:	15-Dec-2010 13:19:19	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



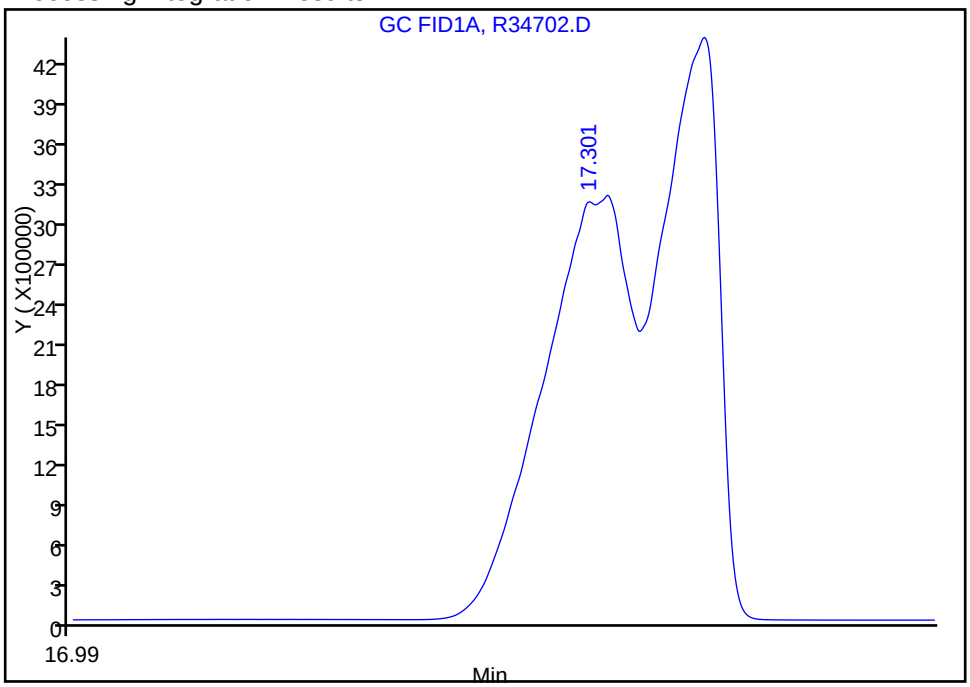
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34702.D		
Injection Date:	15-Dec-2010 13:19:19	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.30, Det: GC FID1A

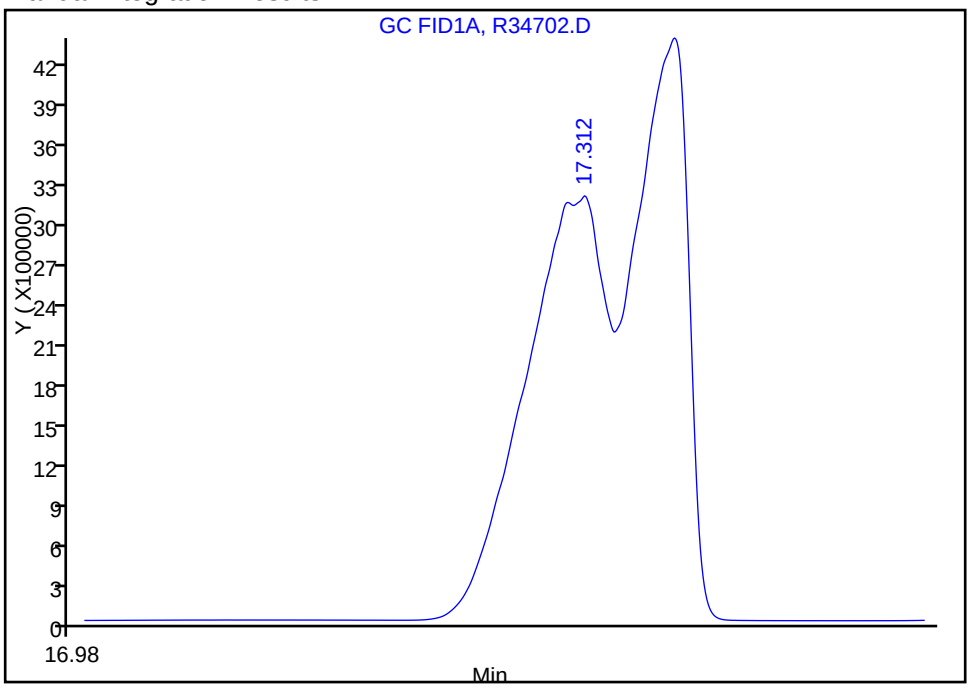
Processing Integration Results

RT: 17.30
Response: 7111885
Amount: 33.012319



Manual Integration Results

RT: 17.31
Response: 11180606
Amount: 53.341966



Reviewer: sadowskis, 15-Dec-2010 14:17:34
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/1 Calibration Date: 12/15/2010 13:19

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34702.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	198272		49.8	50.0	-0.4	30.0
n-Decane	Ave	199084	200434		50.3	50.0	0.7	25.0
Dodecane	Ave	197711	202165		51.1	50.0	2.3	25.0
C9-C18 Aliphatics	Lin1		213211		298	300	-0.5	25.0
n-Tetradecane	Ave	205263	198269		48.3	50.0	-3.4	25.0
Hexadecane	Lin1		198718		52.4	50.0	4.9	25.0
n-Octadecane	Lin1		197092		53.0	50.0	5.9	25.0
C19	Ave	196523	196747		50.1	50.0	0.1	25.0
icosane	Ave	187741	192098		51.2	50.0	2.3	25.0
n-Docosane	Lin1		173897		53.0	50.0	6.0	25.0
n-Tetracosane	Lin1		181079		52.4	50.0	4.8	25.0
n-Hexacosane	Lin1		184746		51.9	50.0	3.8	25.0
C19-C36 Aliphatics	Lin1		199237		411	400	2.6	25.0
n-Octacosane	Lin1		187474		51.3	50.0	2.6	25.0
Triacontane	Lin1		193760		51.4	50.0	2.8	25.0
n-Hexatriacontane	Ave	179656	202623		56.4	50.0	12.8	25.0
1-Chlorooctadecane	Lin1		165767		56.0	50.0	11.9	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/1 Calibration Date: 12/15/2010 13:19

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34702.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.14	14.05	14.25
n-Tetracosane	15.80	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.49	10.59	24.35
n-Octacosane	18.78	18.68	18.88
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.13	24.02	24.22
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34702.D
Lims ID: CCVRT Client ID:
Inject. Date: 15-Dec-2010 13:19:19 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67201 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:03:11 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.897	0.000	11220823	51.5	
$ 2 2-Bromonaphthalene						
1	6.742	6.743	-0.001	7542588	51.4	
$ 3 o-Terphenyl						
1	10.307	10.308	-0.001	12695098	50.5	
$ 4 1-Chlorooctadecane						
2	13.179	13.180	-0.001	8288357	56.0	
5 n-Nonane						
2	2.929	2.930	-0.001	9913601	49.8	
6 n-Decane						
2	3.709	3.709	0.000	10021720	50.3	
7 Naphthalene						
1	4.669	4.669	0.000	13494137	52.5	
9 Dodecane						
2	5.242	5.241	0.001	10108252	51.1	
8 2-Methylnaphthalene						
1	5.431	5.430	0.001	12975766	52.1	
11 Acenaphthylene						
1	6.558	6.558	0.000	12590507	51.6	
15 n-Tetradecane						
2	6.774	6.773	0.001	9913425	48.3	
12 Acenaphthene						
1	6.834	6.835	-0.001	12880674	51.8	
14 Fluorene						
1	7.632	7.633	-0.001	12437162	54.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.569	8.570	-0.001	9935885	52.4	
16 Phenanthrene						
1	9.362	9.363	-0.001	12278343	51.8	
17 Anthracene						
1	9.451	9.453	-0.002	11895749	50.7	
20 n-Octadecane						
2	10.485	10.486	-0.001	9854602	53.0	
22 C19						
2	11.437	11.439	-0.002	9837332	50.1	
19 Fluoranthene						
1	11.833	11.836	-0.003	11894283	51.3	
21 Pyrene						
1	12.291	12.292	-0.001	12105448	50.6	
23 icosane						
2	12.369	12.367	0.002	9604916	51.2	
27 n-Docosane						
2	14.144	14.149	-0.005	8694849	53.0	
24 Benzo[a]anthracene						
1	14.998	14.997	0.001	10057461	56.3	
25 Chrysene						
1	15.097	15.093	0.004	11390529	56.5	
28 n-Tetracosane						
2	15.804	15.806	-0.002	9053938	52.4	
29 Benzo[b]fluoranthene						M
1	17.312	17.304	0.008	11180606	53.3	M
32 n-Hexacosane						
2	17.345	17.346	-0.001	9237321	51.9	
30 Benzo[k]fluoranthene						
1	17.370	17.372	-0.002	10595677	53.2	
31 Benzo[a]pyrene						
1	17.922	17.922	0.000	11246512	50.9	
35 n-Octacosane						
2	18.778	18.781	-0.003	9373676	51.3	
33 Indeno[1,2,3-cd]pyrene						
1	19.950	19.941	0.009	11928246	53.7	
34 Dibenz(a,h)anthracene						
1	20.015	20.012	0.003	10028920	56.5	
37 Triacontane						
2	20.119	20.119	0.000	9688002	51.4	
36 Benzo[g,h,i]perylene						
1	20.364	20.355	0.009	11234665	52.8	
38 n-Hexatriacontane						M
2	24.131	24.119	0.012	10131157	56.4	M
A 39 C9-C18 Aliphatics						
2	6.711	2.829 - 10.585		63963199	298.5	
A 40 C11-C22 Aromatics						
1	12.634	4.569 - 20.760		203981925	899.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.492	10.585	-24.349	79694753	410.6	
S 42 C11-C22 Aromatics (Adjusted)						
1					109.8	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					818.9	
S 44 EPH Adjustment 1						
1					790.1	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

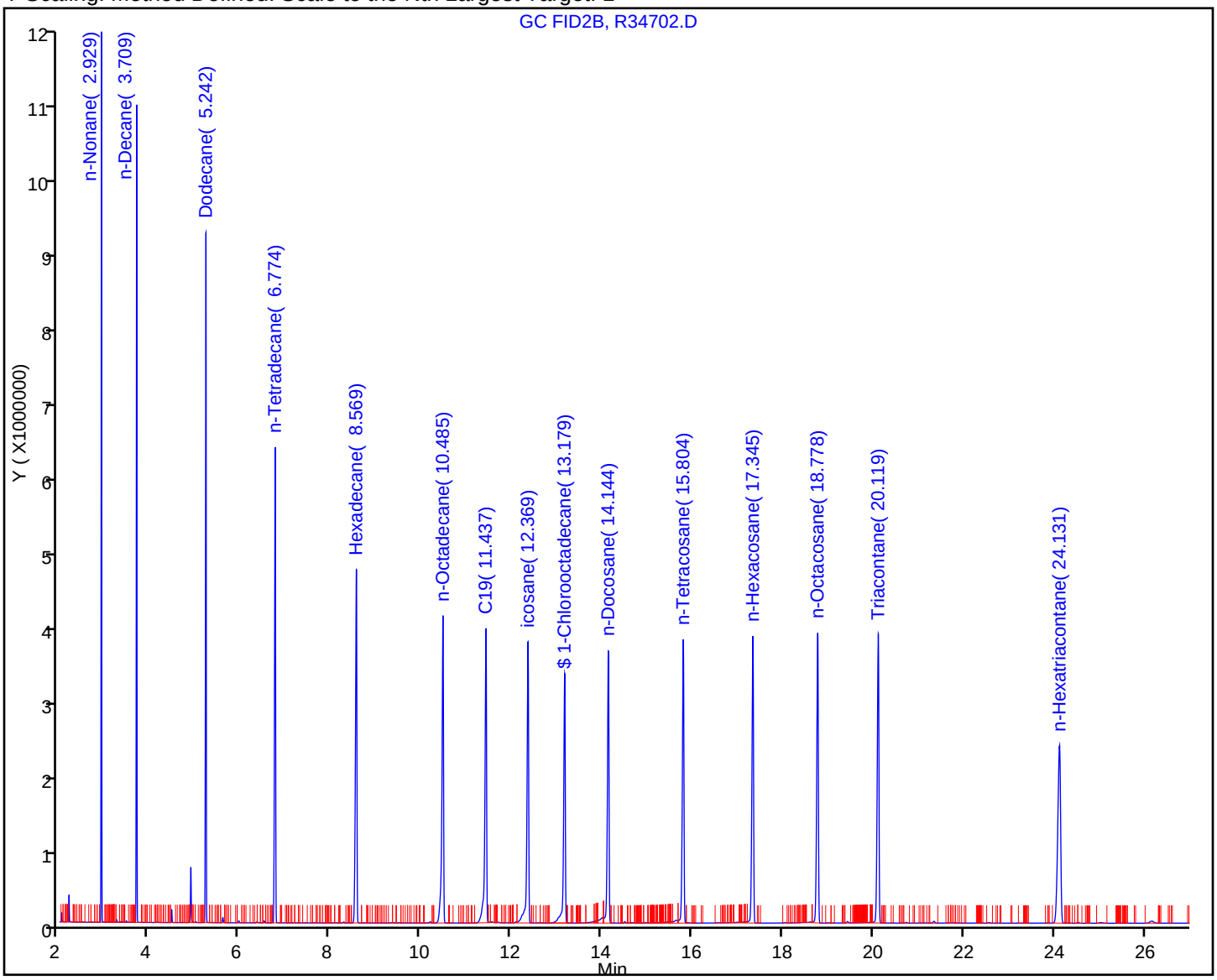
Review Flags
M - Manually Integrated

Report Date: 16-Dec-2010 11:03:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34702.D

Injection Date:	15-Dec-2010 13:19:19	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



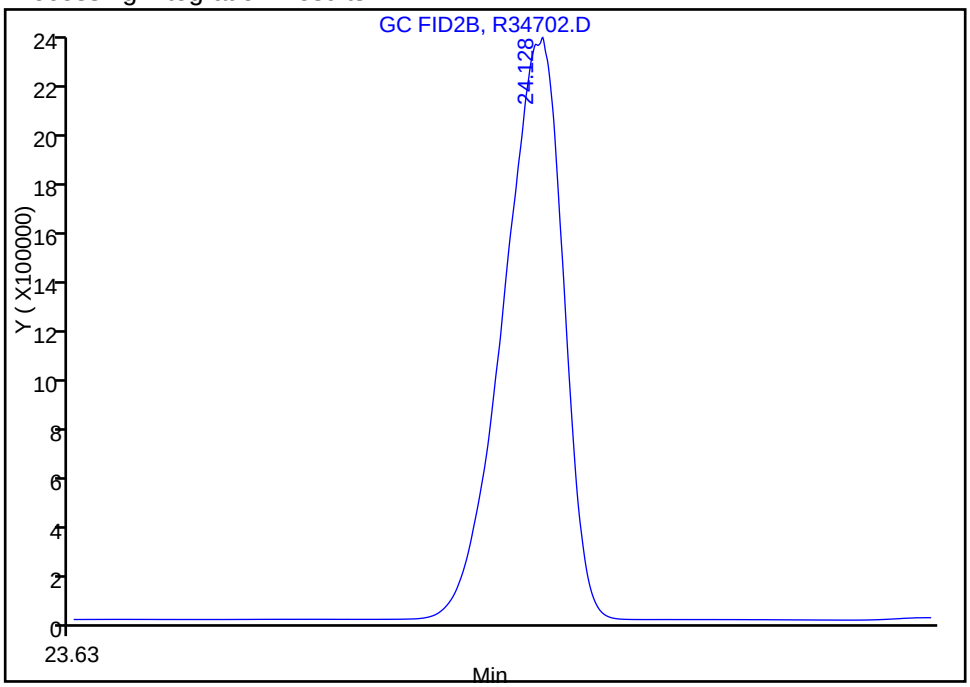
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34702.D		
Injection Date:	15-Dec-2010 13:19:19	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	1
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.12, Det: GC FID2B

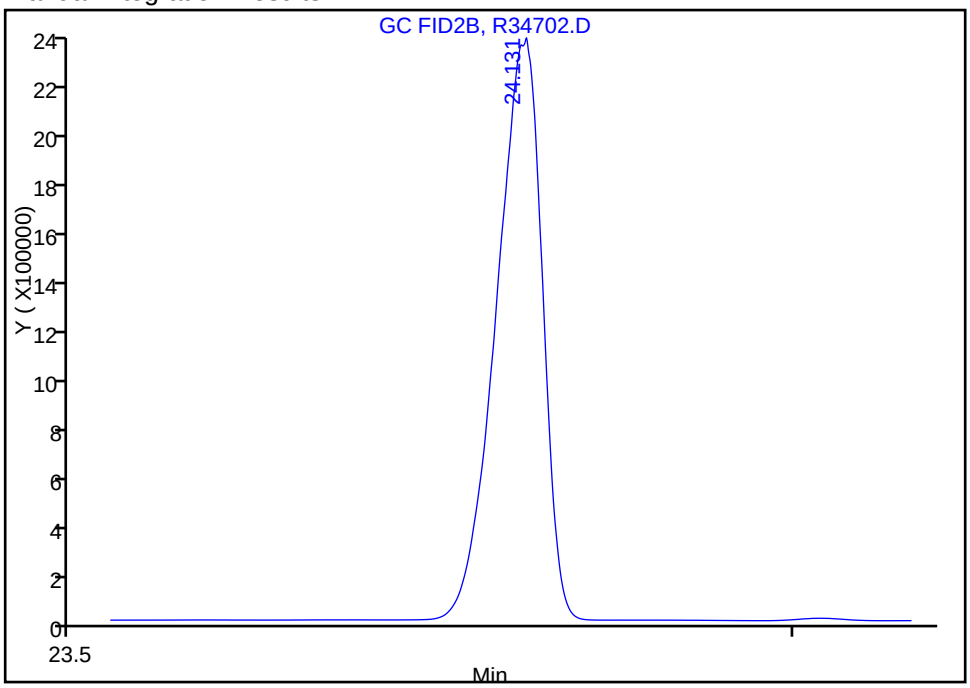
Processing Integration Results

RT: 24.13
Response: 529964
Amount: 2.949887



Manual Integration Results

RT: 24.13
Response: 10131157
Amount: 56.392065



Reviewer: sadowskis, 15-Dec-2010 14:17:34
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	270222		52.6	50.0	5.2	25.0
2-Methylnaphthalene	Ave	249165	260413		52.3	50.0	4.5	25.0
Acenaphthylene	Ave	243927	253938		52.1	50.0	4.1	25.0
Acenaphthene	Ave	248806	260151		52.3	50.0	4.6	25.0
Fluorene	Lin1		252391		55.4	50.0	10.7	25.0
Phenanthrene	Ave	237166	250303		52.8	50.0	5.5	25.0
Anthracene	Ave	234475	240273		51.2	50.0	2.5	25.0
Fluoranthene	Ave	231735	240989		52.0	50.0	4.0	25.0
Pyrene	Ave	239401	245438		51.3	50.0	2.5	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	241876		907	850	6.7	25.0
Benzo[a]anthracene	Lin1		201766		56.5	50.0	13.0	25.0
Chrysene	Lin1		228413		56.7	50.0	13.4	25.0
Benzo[b]fluoranthene	Qua		220390		52.5	50.0	5.0	25.0
Benzo[k]fluoranthene	Lin1		220202		55.3	50.0	10.5	25.0
Benzo[a]pyrene	Ave	220890	224458		50.8	50.0	1.6	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	237400		53.5	50.0	6.9	25.0
Dibenz(a,h)anthracene	Lin1		201901		56.8	50.0	13.6	25.0
Benzo[g,h,i]perylene	Ave	212714	223588		52.6	50.0	5.1	25.0
2-Fluorobiphenyl	Ave	218005	113233		51.9	100	-48.1*	25.0
2-Bromonaphthalene	Ave	146616	76251		52.0	100	-48.0*	25.0
o-Terphenyl	Ave	251369	260989		51.9	50.0	3.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67211/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	270222		52.6	50.0	5.2	25.0
2-Methylnaphthalene	Ave	249165	260413		52.3	50.0	4.5	25.0
Acenaphthylene	Ave	243927	253938		52.1	50.0	4.1	25.0
Acenaphthene	Ave	248806	260151		52.3	50.0	4.6	25.0
Fluorene	Lin1		252391		55.4	50.0	10.7	25.0
Phenanthrene	Ave	237166	250303		52.8	50.0	5.5	25.0
Anthracene	Ave	234475	240273		51.2	50.0	2.5	25.0
Fluoranthene	Ave	231735	240989		52.0	50.0	4.0	25.0
Pyrene	Ave	239401	245438		51.3	50.0	2.5	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	241876		907	850	6.7	25.0
Benzo[a]anthracene	Lin1		201766		56.5	50.0	13.0	25.0
Chrysene	Lin1		228413		56.7	50.0	13.4	25.0
Benzo[b]fluoranthene	Qua		220390		52.5	50.0	5.0	25.0
Benzo[k]fluoranthene	Lin1		220202		55.3	50.0	10.5	25.0
Benzo[a]pyrene	Ave	220890	224458		50.8	50.0	1.6	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	237400		53.5	50.0	6.9	25.0
Dibenz(a,h)anthracene	Lin1		201901		56.8	50.0	13.6	25.0
Benzo[g,h,i]perylene	Ave	212714	223588		52.6	50.0	5.1	25.0
2-Fluorobiphenyl	Ave	218005	113233		51.9	100	-48.1*	25.0
2-Bromonaphthalene	Ave	146616	76251		52.0	100	-48.0*	25.0
o-Terphenyl	Ave	251369	260989		51.9	50.0	3.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.83	6.74	6.94
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.74	11.94
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.67	4.57	20.72
Benzo[a]anthracene	15.00	14.90	15.10
Chrysene	15.09	14.99	15.19
Benzo[b]fluoranthene	17.30	17.20	17.40
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.95	19.84	20.04
Dibenz(a,h)anthracene	20.02	19.91	20.11
Benzo[g,h,i]perylene	20.36	20.26	20.46
2-Fluorobiphenyl	5.90	5.80	6.00
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67211/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.83	6.74	6.94
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.83	11.74	11.94
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.67	4.57	20.72
Benzo[a]anthracene	15.00	14.90	15.10
Chrysene	15.09	14.99	15.19
Benzo[b]fluoranthene	17.30	17.20	17.40
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.95	19.84	20.04
Dibenz(a,h)anthracene	20.02	19.91	20.11
Benzo[g,h,i]perylene	20.36	20.26	20.46
2-Fluorobiphenyl	5.90	5.80	6.00
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D		
Lims ID:	CCVRT	Client ID:	
Inject. Date:	15-Dec-2010 22:18:57	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67201	Lims Sample ID:	15
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:11:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.895	5.897	-0.002	11323280	51.9	
$ 2 2-Bromonaphthalene						
1	6.740	6.743	-0.003	7625140	52.0	
$ 3 o-Terphenyl						
1	10.306	10.308	-0.002	13049467	51.9	
$ 4 1-Chlorooctadecane						
2	13.182	13.180	0.002	8546888	57.7	
5 n-Nonane						
2	2.929	2.930	-0.001	10178277	51.1	
6 n-Decane						
2	3.709	3.709	0.000	10353572	52.0	
7 Naphthalene						
1	4.668	4.669	-0.001	13511085	52.6	
9 Dodecane						
2	5.241	5.241	0.000	10474775	53.0	
8 2-Methylnaphthalene						
1	5.429	5.430	-0.001	13020650	52.3	
11 Acenaphthylene						
1	6.556	6.558	-0.002	12696912	52.1	
15 n-Tetradecane						
2	6.772	6.773	-0.001	10230099	49.8	
12 Acenaphthene						
1	6.832	6.835	-0.003	13007561	52.3	
14 Fluorene						
1	7.631	7.633	-0.002	12619548	55.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.570	8.570	0.000	10176777	53.7	
16 Phenanthrene						
1	9.362	9.363	-0.001	12515155	52.8	
17 Anthracene						
1	9.452	9.453	-0.001	12013657	51.2	
20 n-Octadecane						
2	10.485	10.486	-0.001	10074250	54.1	
22 C19						
2	11.437	11.439	-0.002	10068472	51.2	
19 Fluoranthene						
1	11.833	11.836	-0.003	12049461	52.0	
21 Pyrene						
1	12.289	12.292	-0.003	12271900	51.3	
23 icosane						
2	12.369	12.367	0.002	8980492	47.8	
27 n-Docosane						
2	14.146	14.149	-0.003	8771576	53.5	
24 Benzo[a]anthracene						
1	14.996	14.997	-0.001	10088295	56.5	
25 Chrysene						
1	15.093	15.093	0.000	11420653	56.7	
28 n-Tetracosane						
2	15.804	15.806	-0.002	9373508	54.2	
29 Benzo[b]fluoranthene						
1	17.303	17.304	-0.001	11019477	52.5	
32 n-Hexacosane						
2	17.346	17.346	0.000	9686572	54.5	
30 Benzo[k]fluoranthene						
1	17.368	17.372	-0.004	11010095	55.3	
31 Benzo[a]pyrene						
1	17.918	17.922	-0.004	11222894	50.8	
35 n-Octacosane						
2	18.779	18.781	-0.002	9871966	54.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.947	19.941	0.006	11870011	53.5	
34 Dibenz(a,h)anthracene						
1	20.017	20.012	0.005	10095048	56.8	
37 Triacontane						
2	20.119	20.119	0.000	10145780	53.8	
36 Benzo[g,h,i]perylene						
1	20.362	20.355	0.007	11179411	52.6	
38 n-Hexatriacontane						
2	24.122	24.119	0.003	9588650	53.4	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		65203802	304.9	
A 40 C11-C22 Aromatics						
1	12.665	4.568 - 20.720		205594927	907.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.467	10.585	-24.356	81692285	421.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					110.9	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					837.3	
S 44 EPH Adjustment 1						
1					796.2	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D		
Lims ID:	CCVRT	Client ID:	
Inject. Date:	15-Dec-2010 22:18:57	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67211	Lims Sample ID:	15
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:11:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.895	5.897	-0.002	11323280	51.9	
$ 2 2-Bromonaphthalene						
1	6.740	6.743	-0.003	7625140	52.0	
$ 3 o-Terphenyl						
1	10.306	10.308	-0.002	13049467	51.9	
$ 4 1-Chlorooctadecane						
2	13.182	13.180	0.002	8546888	57.7	
5 n-Nonane						
2	2.929	2.930	-0.001	10178277	51.1	
6 n-Decane						
2	3.709	3.709	0.000	10353572	52.0	
7 Naphthalene						
1	4.668	4.669	-0.001	13511085	52.6	
9 Dodecane						
2	5.241	5.241	0.000	10474775	53.0	
8 2-Methylnaphthalene						
1	5.429	5.430	-0.001	13020650	52.3	
11 Acenaphthylene						
1	6.556	6.558	-0.002	12696912	52.1	
15 n-Tetradecane						
2	6.772	6.773	-0.001	10230099	49.8	
12 Acenaphthene						
1	6.832	6.835	-0.003	13007561	52.3	
14 Fluorene						
1	7.631	7.633	-0.002	12619548	55.4	

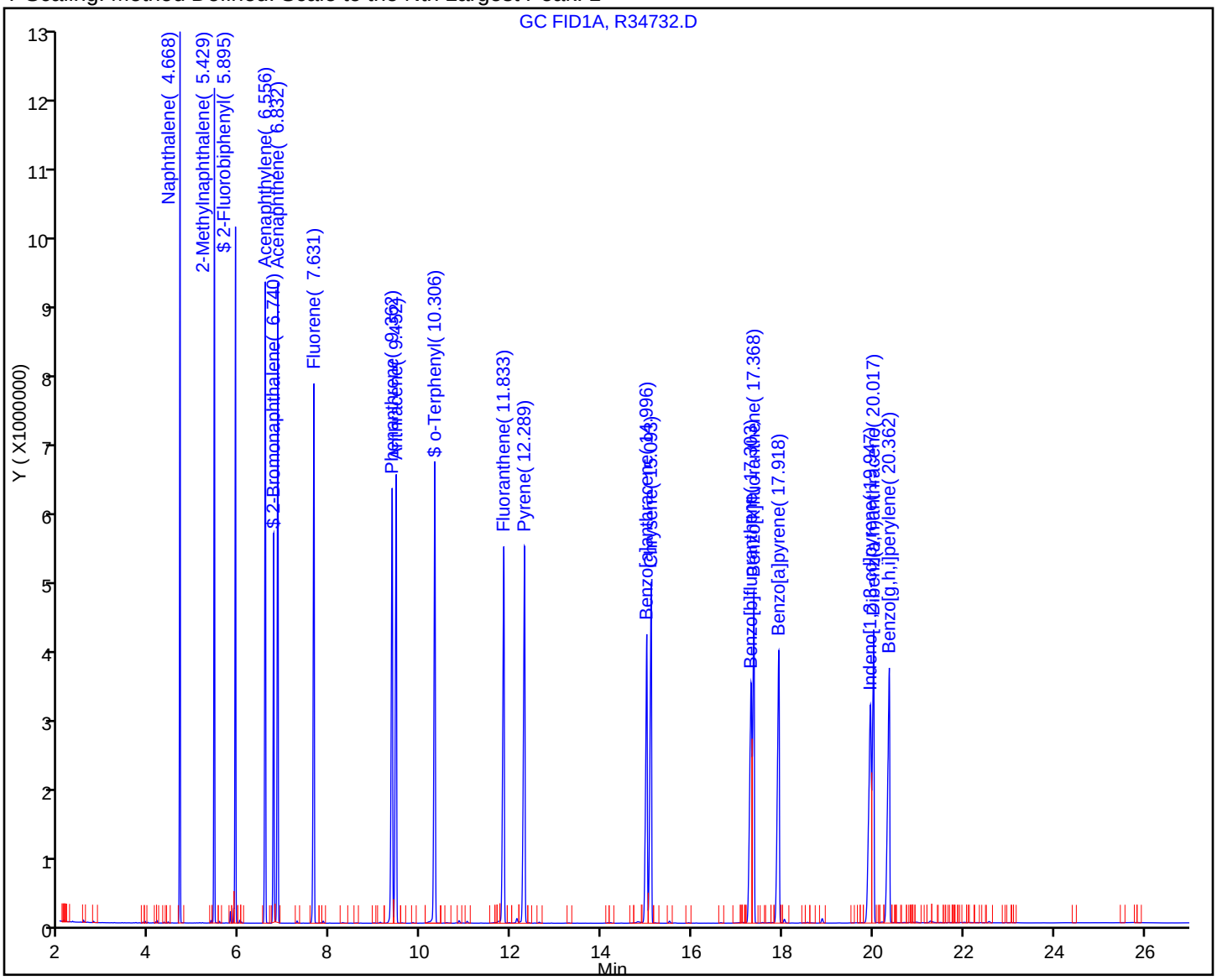
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.570	8.570	0.000	10176777	53.7	
16 Phenanthrene						
1	9.362	9.363	-0.001	12515155	52.8	
17 Anthracene						
1	9.452	9.453	-0.001	12013657	51.2	
20 n-Octadecane						
2	10.485	10.486	-0.001	10074250	54.1	
22 C19						
2	11.437	11.439	-0.002	10068472	51.2	
19 Fluoranthene						
1	11.833	11.836	-0.003	12049461	52.0	
21 Pyrene						
1	12.289	12.292	-0.003	12271900	51.3	
23 icosane						
2	12.369	12.367	0.002	8980492	47.8	
27 n-Docosane						
2	14.146	14.149	-0.003	8771576	53.5	
24 Benzo[a]anthracene						
1	14.996	14.997	-0.001	10088295	56.5	
25 Chrysene						
1	15.093	15.093	0.000	11420653	56.7	
28 n-Tetracosane						
2	15.804	15.806	-0.002	9373508	54.2	
29 Benzo[b]fluoranthene						
1	17.303	17.304	-0.001	11019477	52.5	
32 n-Hexacosane						
2	17.346	17.346	0.000	9686572	54.5	
30 Benzo[k]fluoranthene						
1	17.368	17.372	-0.004	11010095	55.3	
31 Benzo[a]pyrene						
1	17.918	17.922	-0.004	11222894	50.8	
35 n-Octacosane						
2	18.779	18.781	-0.002	9871966	54.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.947	19.941	0.006	11870011	53.5	
34 Dibenz(a,h)anthracene						
1	20.017	20.012	0.005	10095048	56.8	
37 Triacontane						
2	20.119	20.119	0.000	10145780	53.8	
36 Benzo[g,h,i]perylene						
1	20.362	20.355	0.007	11179411	52.6	
38 n-Hexatriacontane						
2	24.122	24.119	0.003	9588650	53.4	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		65203802	304.9	
A 40 C11-C22 Aromatics						
1	12.665	4.568 - 20.720		205594927	907.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.467	10.585	-24.356	81692285	421.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					110.9	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					837.3	
S 44 EPH Adjustment 1						
1					796.2	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:11:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D
Injection Date: 15-Dec-2010 22:18:57 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67201 Lims Sample ID: 15
Operator ID: SS Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

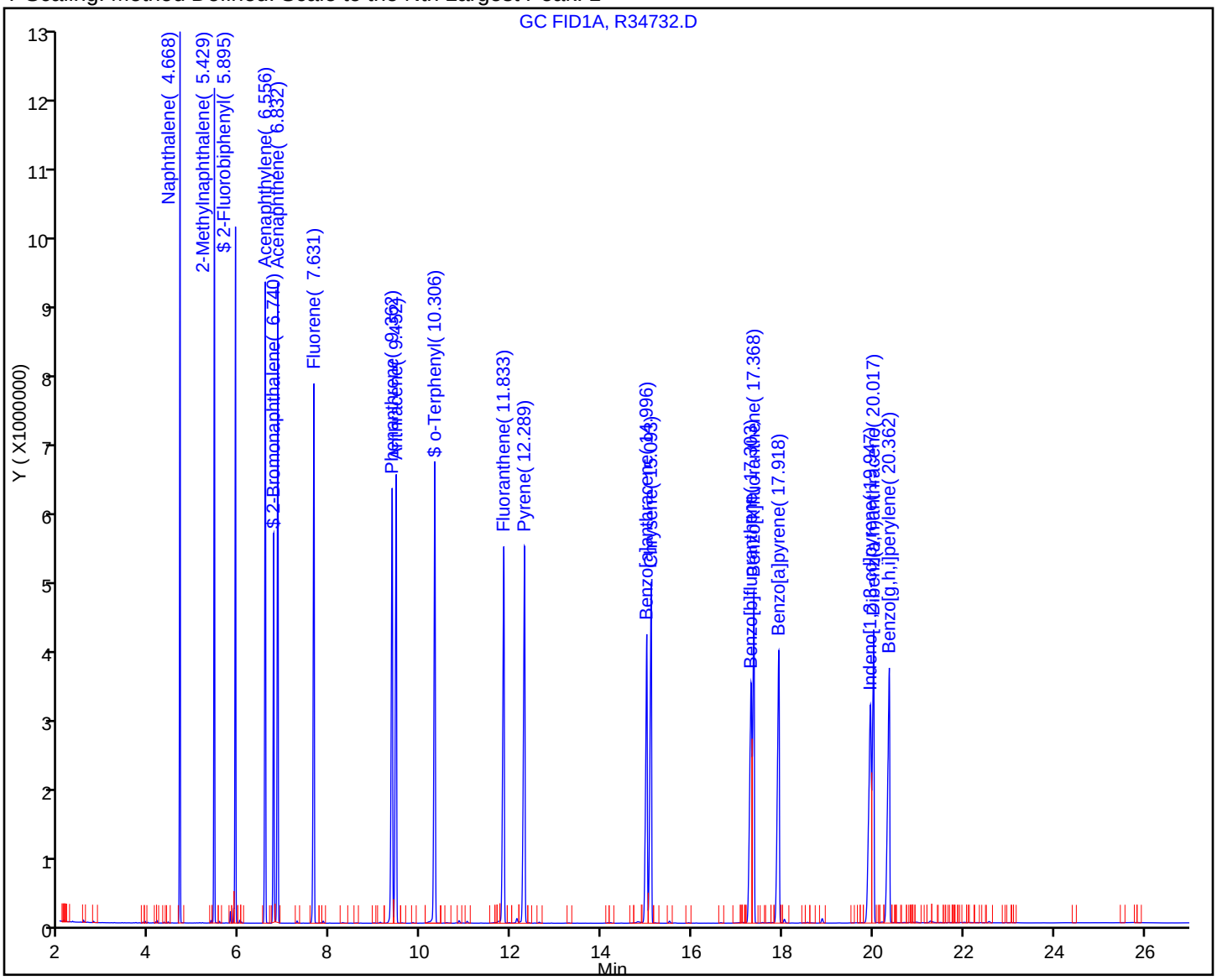


Report Date: 16-Dec-2010 11:11:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D

Injection Date:	15-Dec-2010 22:18:57	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	15
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	203566		51.1	50.0	2.2	30.0
n-Decane	Ave	199084	207071		52.0	50.0	4.0	25.0
Dodecane	Ave	197711	209496		53.0	50.0	6.0	25.0
C9-C18 Aliphatics	Lin1		217346		305	300	1.6	25.0
n-Tetradecane	Ave	205263	204602		49.8	50.0	-0.3	25.0
Hexadecane	Lin1		203536		53.7	50.0	7.4	25.0
n-Octadecane	Lin1		201485		54.1	50.0	8.3	25.0
C19	Ave	196523	201369		51.2	50.0	2.5	25.0
icosane	Ave	187741	179610		47.8	50.0	-4.3	25.0
n-Docosane	Lin1		175432		53.5	50.0	7.0	25.0
n-Tetracosane	Lin1		187470		54.2	50.0	8.5	25.0
n-Hexacosane	Lin1		193731		54.5	50.0	8.9	25.0
C19-C36 Aliphatics	Lin1		204231		422	400	5.4	25.0
n-Octacosane	Lin1		197439		54.0	50.0	8.1	25.0
Triacontane	Lin1		202916		53.8	50.0	7.7	25.0
n-Hexatriacontane	Ave	179656	191773		53.4	50.0	6.7	25.0
1-Chlorooctadecane	Lin1		170938		57.7	50.0	15.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67211/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	203566		51.1	50.0	2.2	30.0
n-Decane	Ave	199084	207071		52.0	50.0	4.0	25.0
Dodecane	Ave	197711	209496		53.0	50.0	6.0	25.0
C9-C18 Aliphatics	Lin1		217346		305	300	1.6	25.0
n-Tetradecane	Ave	205263	204602		49.8	50.0	-0.3	25.0
Hexadecane	Lin1		203536		53.7	50.0	7.4	25.0
n-Octadecane	Lin1		201485		54.1	50.0	8.3	25.0
C19	Ave	196523	201369		51.2	50.0	2.5	25.0
icosane	Ave	187741	179610		47.8	50.0	-4.3	25.0
n-Docosane	Lin1		175432		53.5	50.0	7.0	25.0
n-Tetracosane	Lin1		187470		54.2	50.0	8.5	25.0
n-Hexacosane	Lin1		193731		54.5	50.0	8.9	25.0
C19-C36 Aliphatics	Lin1		204231		422	400	5.4	25.0
n-Octacosane	Lin1		197439		54.0	50.0	8.1	25.0
Triacontane	Lin1		202916		53.8	50.0	7.7	25.0
n-Hexatriacontane	Ave	179656	191773		53.4	50.0	6.7	25.0
1-Chlorooctadecane	Lin1		170938		57.7	50.0	15.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67201/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.80	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.36
n-Octacosane	18.78	18.68	18.88
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.12	24.02	24.22
1-Chlorooctadecane	13.18	13.08	13.28

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67211/15 Calibration Date: 12/15/2010 22:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34732.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.80	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.36
n-Octacosane	18.78	18.68	18.88
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.12	24.02	24.22
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D
Lims ID: CCVRT Client ID:
Inject. Date: 15-Dec-2010 22:18:57 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67201 Lims Sample ID: 15
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:11:48 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:11:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.895	5.897	-0.002	11323280	51.9	
$ 2 2-Bromonaphthalene						
1	6.740	6.743	-0.003	7625140	52.0	
$ 3 o-Terphenyl						
1	10.306	10.308	-0.002	13049467	51.9	
$ 4 1-Chlorooctadecane						
2	13.182	13.180	0.002	8546888	57.7	
5 n-Nonane						
2	2.929	2.930	-0.001	10178277	51.1	
6 n-Decane						
2	3.709	3.709	0.000	10353572	52.0	
7 Naphthalene						
1	4.668	4.669	-0.001	13511085	52.6	
9 Dodecane						
2	5.241	5.241	0.000	10474775	53.0	
8 2-Methylnaphthalene						
1	5.429	5.430	-0.001	13020650	52.3	
11 Acenaphthylene						
1	6.556	6.558	-0.002	12696912	52.1	
15 n-Tetradecane						
2	6.772	6.773	-0.001	10230099	49.8	
12 Acenaphthene						
1	6.832	6.835	-0.003	13007561	52.3	
14 Fluorene						
1	7.631	7.633	-0.002	12619548	55.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.570	8.570	0.000	10176777	53.7	
16 Phenanthrene						
1	9.362	9.363	-0.001	12515155	52.8	
17 Anthracene						
1	9.452	9.453	-0.001	12013657	51.2	
20 n-Octadecane						
2	10.485	10.486	-0.001	10074250	54.1	
22 C19						
2	11.437	11.439	-0.002	10068472	51.2	
19 Fluoranthene						
1	11.833	11.836	-0.003	12049461	52.0	
21 Pyrene						
1	12.289	12.292	-0.003	12271900	51.3	
23 icosane						
2	12.369	12.367	0.002	8980492	47.8	
27 n-Docosane						
2	14.146	14.149	-0.003	8771576	53.5	
24 Benzo[a]anthracene						
1	14.996	14.997	-0.001	10088295	56.5	
25 Chrysene						
1	15.093	15.093	0.000	11420653	56.7	
28 n-Tetracosane						
2	15.804	15.806	-0.002	9373508	54.2	
29 Benzo[b]fluoranthene						
1	17.303	17.304	-0.001	11019477	52.5	
32 n-Hexacosane						
2	17.346	17.346	0.000	9686572	54.5	
30 Benzo[k]fluoranthene						
1	17.368	17.372	-0.004	11010095	55.3	
31 Benzo[a]pyrene						
1	17.918	17.922	-0.004	11222894	50.8	
35 n-Octacosane						
2	18.779	18.781	-0.002	9871966	54.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.947	19.941	0.006	11870011	53.5	
34 Dibenz(a,h)anthracene						
1	20.017	20.012	0.005	10095048	56.8	
37 Triacontane						
2	20.119	20.119	0.000	10145780	53.8	
36 Benzo[g,h,i]perylene						
1	20.362	20.355	0.007	11179411	52.6	
38 n-Hexatriacontane						
2	24.122	24.119	0.003	9588650	53.4	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		65203802	304.9	
A 40 C11-C22 Aromatics						
1	12.665	4.568 - 20.720		205594927	907.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.467	10.585	-24.356	81692285	421.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					110.9	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					837.3	
S 44 EPH Adjustment 1						
1					796.2	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D
Lims ID: CCVRT Client ID:
Inject. Date: 15-Dec-2010 22:18:57 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67211 Lims Sample ID: 15
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:11:48 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:11:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.895	5.897	-0.002	11323280	51.9	
$ 2 2-Bromonaphthalene						
1	6.740	6.743	-0.003	7625140	52.0	
$ 3 o-Terphenyl						
1	10.306	10.308	-0.002	13049467	51.9	
$ 4 1-Chlorooctadecane						
2	13.182	13.180	0.002	8546888	57.7	
5 n-Nonane						
2	2.929	2.930	-0.001	10178277	51.1	
6 n-Decane						
2	3.709	3.709	0.000	10353572	52.0	
7 Naphthalene						
1	4.668	4.669	-0.001	13511085	52.6	
9 Dodecane						
2	5.241	5.241	0.000	10474775	53.0	
8 2-Methylnaphthalene						
1	5.429	5.430	-0.001	13020650	52.3	
11 Acenaphthylene						
1	6.556	6.558	-0.002	12696912	52.1	
15 n-Tetradecane						
2	6.772	6.773	-0.001	10230099	49.8	
12 Acenaphthene						
1	6.832	6.835	-0.003	13007561	52.3	
14 Fluorene						
1	7.631	7.633	-0.002	12619548	55.4	

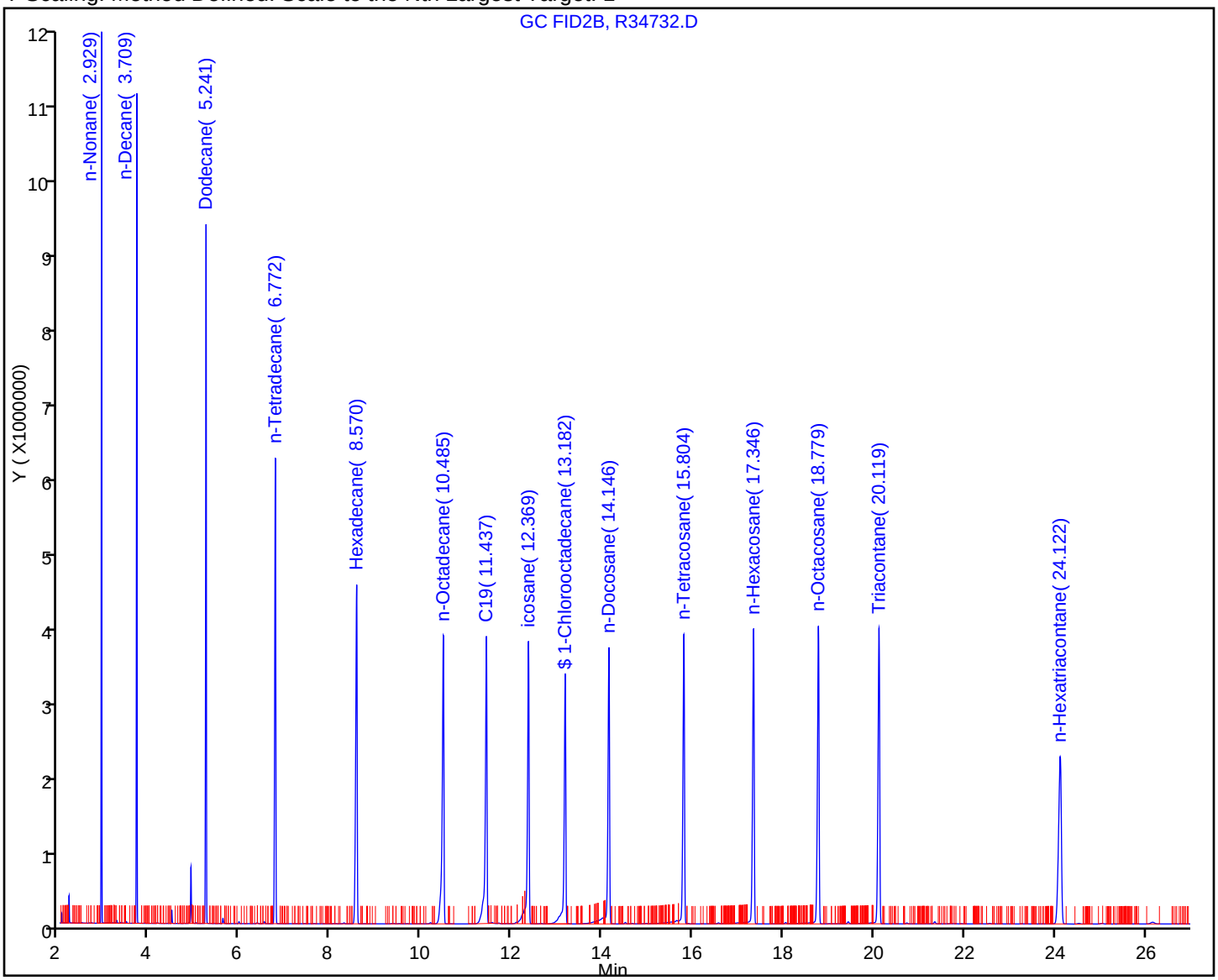
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.570	8.570	0.000	10176777	53.7	
16 Phenanthrene						
1	9.362	9.363	-0.001	12515155	52.8	
17 Anthracene						
1	9.452	9.453	-0.001	12013657	51.2	
20 n-Octadecane						
2	10.485	10.486	-0.001	10074250	54.1	
22 C19						
2	11.437	11.439	-0.002	10068472	51.2	
19 Fluoranthene						
1	11.833	11.836	-0.003	12049461	52.0	
21 Pyrene						
1	12.289	12.292	-0.003	12271900	51.3	
23 icosane						
2	12.369	12.367	0.002	8980492	47.8	
27 n-Docosane						
2	14.146	14.149	-0.003	8771576	53.5	
24 Benzo[a]anthracene						
1	14.996	14.997	-0.001	10088295	56.5	
25 Chrysene						
1	15.093	15.093	0.000	11420653	56.7	
28 n-Tetracosane						
2	15.804	15.806	-0.002	9373508	54.2	
29 Benzo[b]fluoranthene						
1	17.303	17.304	-0.001	11019477	52.5	
32 n-Hexacosane						
2	17.346	17.346	0.000	9686572	54.5	
30 Benzo[k]fluoranthene						
1	17.368	17.372	-0.004	11010095	55.3	
31 Benzo[a]pyrene						
1	17.918	17.922	-0.004	11222894	50.8	
35 n-Octacosane						
2	18.779	18.781	-0.002	9871966	54.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.947	19.941	0.006	11870011	53.5	
34 Dibenz(a,h)anthracene						
1	20.017	20.012	0.005	10095048	56.8	
37 Triacontane						
2	20.119	20.119	0.000	10145780	53.8	
36 Benzo[g,h,i]perylene						
1	20.362	20.355	0.007	11179411	52.6	
38 n-Hexatriacontane						
2	24.122	24.119	0.003	9588650	53.4	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		65203802	304.9	
A 40 C11-C22 Aromatics						
1	12.665	4.568 - 20.720		205594927	907.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.467	10.585	-24.356	81692285	421.5	
S 42 C11-C22 Aromatics (Adjusted)						
1					110.9	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					837.3	
S 44 EPH Adjustment 1						
1					796.2	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:11:48 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D
Injection Date: 15-Dec-2010 22:18:57 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67201 Lims Sample ID: 15
Operator ID: SS Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

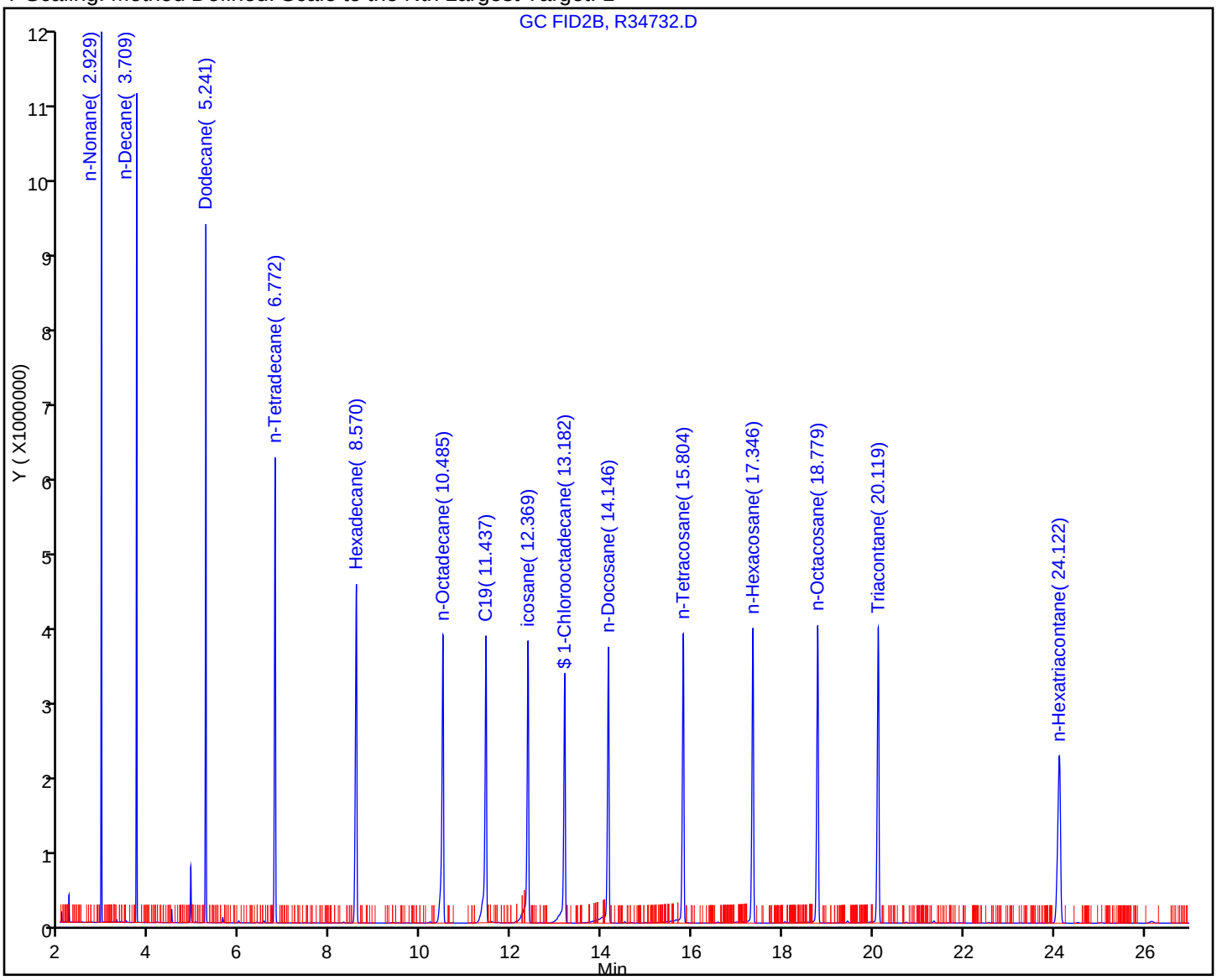


Report Date: 16-Dec-2010 11:11:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34732.D

Injection Date:	15-Dec-2010 22:18:57	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	15
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67211/27 Calibration Date: 12/16/2010 05:42

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34758.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	272662		53.1	50.0	6.2	25.0
2-Methylnaphthalene	Ave	249165	264182		53.0	50.0	6.0	25.0
Acenaphthylene	Ave	243927	259232		53.1	50.0	6.3	25.0
Acenaphthene	Ave	248806	264890		53.2	50.0	6.5	25.0
Fluorene	Lin1		258452		56.7	50.0	13.4	25.0
Phenanthrene	Ave	237166	260487		54.9	50.0	9.8	25.0
Anthracene	Ave	234475	243744		52.0	50.0	4.0	25.0
Fluoranthene	Ave	231735	244537		52.8	50.0	5.5	25.0
Pyrene	Ave	239401	247886		51.8	50.0	3.5	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	245778		922	850	8.4	25.0
Benzo[a]anthracene	Lin1		206786		57.9	50.0	15.9	25.0
Chrysene	Lin1		232528		57.7	50.0	15.4	25.0
Benzo[b]fluoranthene	Qua		232038		55.5	50.0	11.0	25.0
Benzo[k]fluoranthene	Lin1		219863		55.2	50.0	10.4	25.0
Benzo[a]pyrene	Ave	220890	227306		51.5	50.0	2.9	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	215472		48.5	50.0	-3.0	25.0
Dibenz(a,h)anthracene	Lin1		188317		53.0	50.0	6.0	25.0
Benzo[g,h,i]perylene	Ave	212714	192348		45.2	50.0	-9.6	25.0
2-Fluorobiphenyl	Ave	218005	230667		52.9	50.0	5.8	25.0
2-Bromonaphthalene	Ave	146616	155395		53.0	50.0	6.0	25.0
o-Terphenyl	Ave	251369	258261		51.4	50.0	2.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67211/27 Calibration Date: 12/16/2010 05:42

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34758.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.84	6.74	6.94
Fluorene	7.63	7.53	7.73
Phenanthrene	9.36	9.26	9.46
Anthracene	9.45	9.35	9.55
Fluoranthene	11.84	11.74	11.94
Pyrene	12.29	12.19	12.39
C11-C22 Aromatics (unadjusted)	12.64	4.57	20.70
Benzo[a]anthracene	15.00	14.90	15.10
Chrysene	15.09	14.99	15.19
Benzo[b]fluoranthene	17.30	17.20	17.40
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.94	19.84	20.04
Dibenz(a,h)anthracene	20.01	19.91	20.11
Benzo[g,h,i]perylene	20.36	20.26	20.46
2-Fluorobiphenyl	5.90	5.80	6.00
2-Bromonaphthalene	6.74	6.64	6.84
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34758.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	16-Dec-2010 05:42:45	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	50ppm std		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	67211	Lims Sample ID:	27
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:24:01	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:24:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.897	0.000	11533374	52.9	
$ 2 2-Bromonaphthalene						
1	6.743	6.743	0.000	7769735	53.0	
$ 3 o-Terphenyl						
1	10.308	10.308	0.000	12913066	51.4	
$ 4 1-Chlorooctadecane						
2	13.180	13.180	0.000	7796097	52.6	
5 n-Nonane						
2	2.930	2.930	0.000	10335654	51.9	
6 n-Decane						
2	3.709	3.709	0.000	10531157	52.9	
7 Naphthalene						
1	4.669	4.669	0.000	13633124	53.1	
9 Dodecane						
2	5.241	5.241	0.000	10634021	53.8	
8 2-Methylnaphthalene						
1	5.430	5.430	0.000	13209077	53.0	
11 Acenaphthylene						
1	6.558	6.558	0.000	12961598	53.1	
15 n-Tetradecane						
2	6.773	6.773	0.000	10340022	50.4	
12 Acenaphthene						
1	6.835	6.835	0.000	13244515	53.2	
14 Fluorene						
1	7.633	7.633	0.000	12922583	56.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.570	8.570	0.000	10253081	54.1	
16 Phenanthrene						
1	9.363	9.363	0.000	13024367	54.9	
17 Anthracene						
1	9.453	9.453	0.000	12187223	52.0	
20 n-Octadecane						
2	10.486	10.486	0.000	10170223	54.6	
22 C19						
2	11.439	11.439	0.000	10235392	52.1	
19 Fluoranthene						
1	11.836	11.836	0.000	12226840	52.8	
21 Pyrene						
1	12.292	12.292	0.000	12394290	51.8	
23 icosane						
2	12.367	12.367	0.000	8963169	47.7	
27 n-Docosane						
2	14.149	14.149	0.000	8985207	54.8	
24 Benzo[a]anthracene						
1	14.997	14.997	0.000	10339314	57.9	
25 Chrysene						
1	15.093	15.093	0.000	11626396	57.7	
28 n-Tetracosane						
2	15.806	15.806	0.000	9555822	55.3	
29 Benzo[b]fluoranthene						
1	17.304	17.304	0.000	11601893	55.5	
32 n-Hexacosane						
2	17.346	17.346	0.000	9951692	55.9	
30 Benzo[k]fluoranthene						
1	17.372	17.372	0.000	10993149	55.2	
31 Benzo[a]pyrene						
1	17.922	17.922	0.000	11365319	51.5	
35 n-Octacosane						
2	18.781	18.781	0.000	10222457	56.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.941	19.941	0.000	10773607	48.5	
34 Dibenz(a,h)anthracene						
1	20.012	20.012	0.000	9415859	53.0	
37 Triacontane						
2	20.119	20.119	0.000	10547718	56.0	
36 Benzo[g,h,i]perylene						
1	20.355	20.355	0.000	9617424	45.2	
38 n-Hexatriacontane						
2	24.119	24.119	0.000	8577800	47.7	
A 39 C9-C18 Aliphatics						
2	6.707	2.830 - 10.586		65522223	306.5	
A 40 C11-C22 Aromatics						
1	12.644	4.569 - 20.699		208911668	921.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.471	10.586	-24.361	83231096	430.0	
S 42 C11-C22 Aromatics (Adjusted)						
1					118.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					854.6	
S 44 EPH Adjustment 1						
1					803.6	

QC Flag Legend

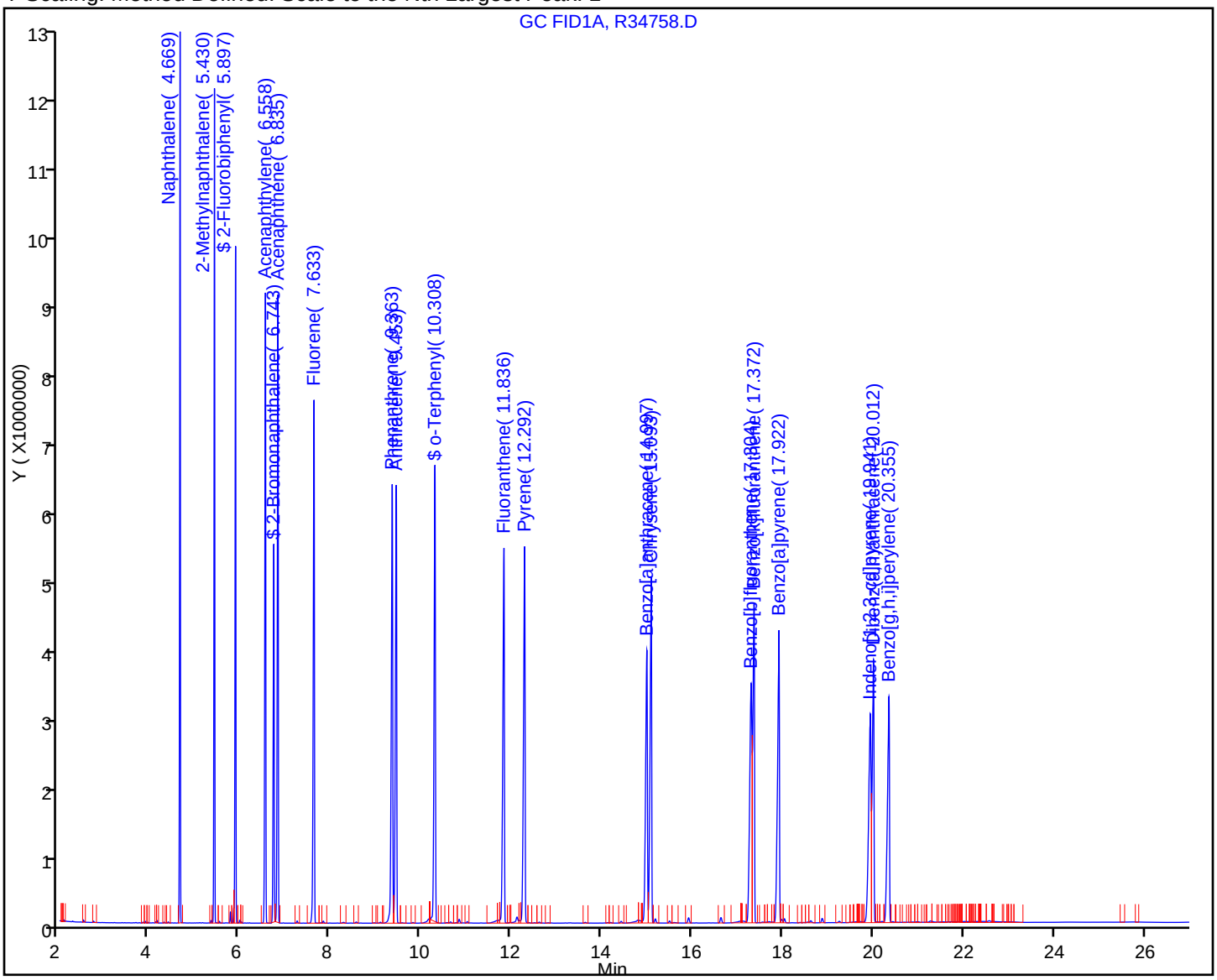
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:24:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34758.D

Injection Date:	16-Dec-2010 05:42:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	27
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67211/27 Calibration Date: 12/16/2010 05:42

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34758.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	206713		51.9	50.0	3.8	30.0
n-Decane	Ave	199084	210623		52.9	50.0	5.8	25.0
Dodecane	Ave	197711	212680		53.8	50.0	7.6	25.0
C9-C18 Aliphatics	Lin1		218407		306	300	2.2	25.0
n-Tetradecane	Ave	205263	206800		50.4	50.0	0.7	25.0
Hexadecane	Lin1		205062		54.1	50.0	8.3	25.0
n-Octadecane	Lin1		203404		54.6	50.0	9.3	25.0
C19	Ave	196523	204708		52.1	50.0	4.2	25.0
icosane	Ave	187741	179263		47.7	50.0	-4.5	25.0
n-Docosane	Lin1		179704		54.8	50.0	9.6	25.0
n-Tetracosane	Lin1		191116		55.3	50.0	10.6	25.0
n-Hexacosane	Lin1		199034		55.9	50.0	11.9	25.0
C19-C36 Aliphatics	Lin1		208078		430	400	7.5	25.0
n-Octacosane	Lin1		204449		56.0	50.0	11.9	25.0
Triacontane	Lin1		210954		56.0	50.0	11.9	25.0
n-Hexatriacontane	Ave	179656	171556		47.7	50.0	-4.5	25.0
1-Chlorooctadecane	Lin1		155922		52.6	50.0	5.3	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 360-67211/27 Calibration Date: 12/16/2010 05:42

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34758.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.59
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.49	10.39	10.59
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.81	15.71	15.91
n-Hexacosane	17.35	17.25	17.45
C19-C36 Aliphatics	17.47	10.59	24.36
n-Octacosane	18.78	18.68	18.88
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.12	24.02	24.22
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34758.D
Lims ID: ccv
Client ID:
Inject. Date: 16-Dec-2010 05:42:45
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 50ppm std
Misc. Info.:
Operator: SS
Instrument ID: INST R
Vol. Injected: 1.0000
ALS Bottle#: 4
Lims Batch ID: 67211
Lims Sample ID: 27
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:24:01
Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis
Date: 16-Dec-2010 11:24:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.897	5.897	0.000	11533374	52.9	
$ 2 2-Bromonaphthalene						
1	6.743	6.743	0.000	7769735	53.0	
$ 3 o-Terphenyl						
1	10.308	10.308	0.000	12913066	51.4	
$ 4 1-Chlorooctadecane						
2	13.180	13.180	0.000	7796097	52.6	
5 n-Nonane						
2	2.930	2.930	0.000	10335654	51.9	
6 n-Decane						
2	3.709	3.709	0.000	10531157	52.9	
7 Naphthalene						
1	4.669	4.669	0.000	13633124	53.1	
9 Dodecane						
2	5.241	5.241	0.000	10634021	53.8	
8 2-Methylnaphthalene						
1	5.430	5.430	0.000	13209077	53.0	
11 Acenaphthylene						
1	6.558	6.558	0.000	12961598	53.1	
15 n-Tetradecane						
2	6.773	6.773	0.000	10340022	50.4	
12 Acenaphthene						
1	6.835	6.835	0.000	13244515	53.2	
14 Fluorene						
1	7.633	7.633	0.000	12922583	56.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.570	8.570	0.000	10253081	54.1	
16 Phenanthrene						
1	9.363	9.363	0.000	13024367	54.9	
17 Anthracene						
1	9.453	9.453	0.000	12187223	52.0	
20 n-Octadecane						
2	10.486	10.486	0.000	10170223	54.6	
22 C19						
2	11.439	11.439	0.000	10235392	52.1	
19 Fluoranthene						
1	11.836	11.836	0.000	12226840	52.8	
21 Pyrene						
1	12.292	12.292	0.000	12394290	51.8	
23 icosane						
2	12.367	12.367	0.000	8963169	47.7	
27 n-Docosane						
2	14.149	14.149	0.000	8985207	54.8	
24 Benzo[a]anthracene						
1	14.997	14.997	0.000	10339314	57.9	
25 Chrysene						
1	15.093	15.093	0.000	11626396	57.7	
28 n-Tetracosane						
2	15.806	15.806	0.000	9555822	55.3	
29 Benzo[b]fluoranthene						
1	17.304	17.304	0.000	11601893	55.5	
32 n-Hexacosane						
2	17.346	17.346	0.000	9951692	55.9	
30 Benzo[k]fluoranthene						
1	17.372	17.372	0.000	10993149	55.2	
31 Benzo[a]pyrene						
1	17.922	17.922	0.000	11365319	51.5	
35 n-Octacosane						
2	18.781	18.781	0.000	10222457	56.0	
33 Indeno[1,2,3-cd]pyrene						
1	19.941	19.941	0.000	10773607	48.5	
34 Dibenz(a,h)anthracene						
1	20.012	20.012	0.000	9415859	53.0	
37 Triacontane						
2	20.119	20.119	0.000	10547718	56.0	
36 Benzo[g,h,i]perylene						
1	20.355	20.355	0.000	9617424	45.2	
38 n-Hexatriacontane						
2	24.119	24.119	0.000	8577800	47.7	
A 39 C9-C18 Aliphatics						
2	6.707	2.830 - 10.586		65522223	306.5	
A 40 C11-C22 Aromatics						
1	12.644	4.569 - 20.699		208911668	921.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.471	10.586	-24.361	83231096	430.0	
S 42 C11-C22 Aromatics (Adjusted)						
1					118.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					854.6	
S 44 EPH Adjustment 1						
1					803.6	

QC Flag Legend

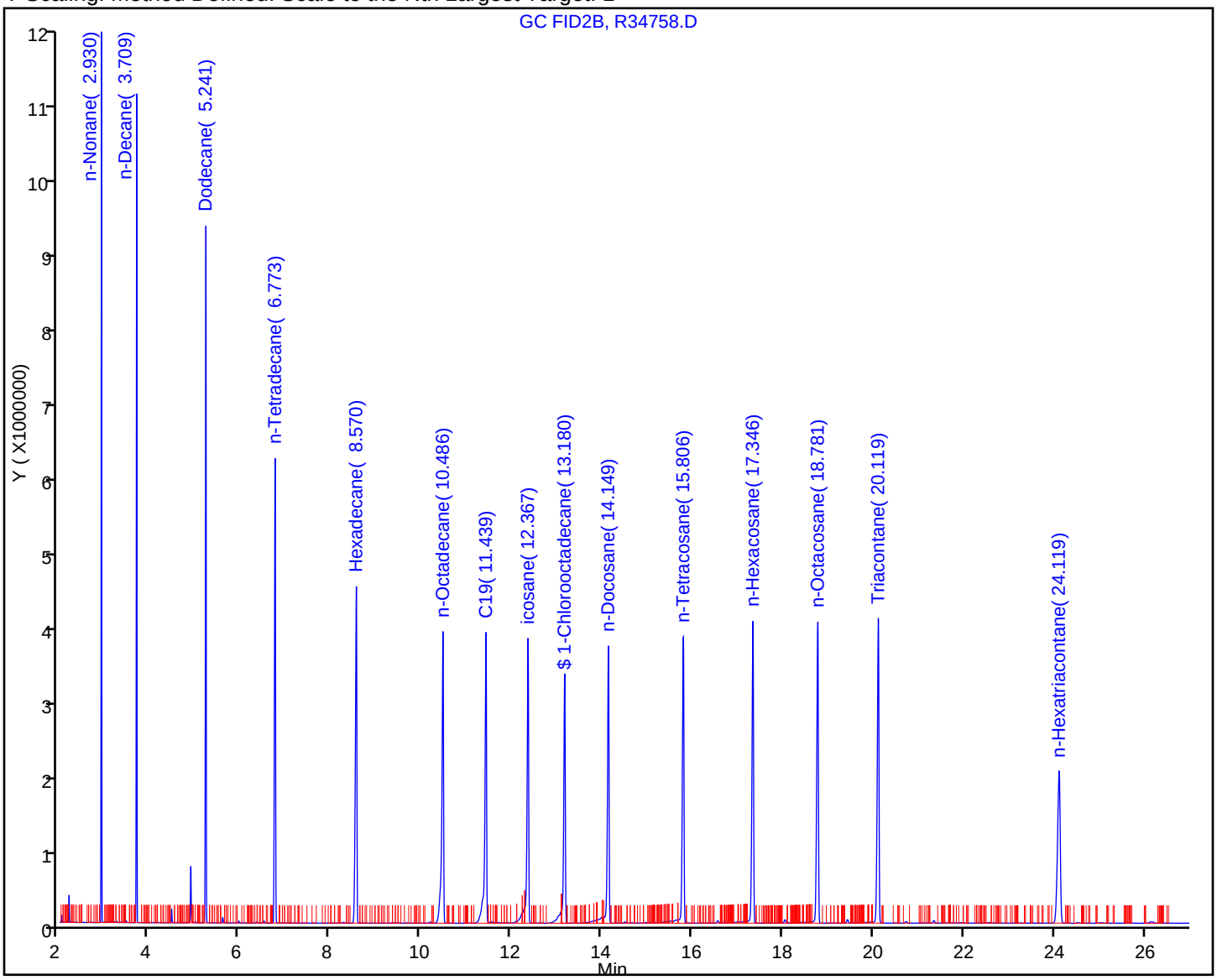
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:24:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34758.D

Injection Date:	16-Dec-2010 05:42:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	27
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/1 Calibration Date: 12/21/2010 09:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34892.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	277321		54.0	50.0	8.0	25.0
2-Methylnaphthalene	Ave	249165	270188		54.2	50.0	8.4	25.0
Acenaphthylene	Ave	243927	266488		54.6	50.0	9.2	25.0
Acenaphthene	Ave	248806	273232		54.9	50.0	9.8	25.0
Fluorene	Lin1		266559		58.5	50.0	17.0	25.0
Phenanthrene	Ave	237166	262794		55.4	50.0	10.8	25.0
Anthracene	Ave	234475	257239		54.9	50.0	9.7	25.0
Fluoranthene	Ave	231735	258934		55.9	50.0	11.7	25.0
Pyrene	Ave	239401	262687		54.9	50.0	9.7	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	248554		932	850	9.7	25.0
Benzo[a]anthracene	Lin1		210907		59.1	50.0	18.2	25.0
Chrysene	Lin1		239206		59.4	50.0	18.7	25.0
Benzo[b]fluoranthene	Qua		223925		53.4	50.0	6.8	25.0
Benzo[k]fluoranthene	Lin1		216837		54.4	50.0	8.8	25.0
Benzo[a]pyrene	Ave	220890	222801		50.4	50.0	0.9	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	229193		51.6	50.0	3.2	25.0
Dibenz(a,h)anthracene	Lin1		198214		55.8	50.0	11.6	25.0
Benzo[g,h,i]perylene	Ave	212714	219529		51.6	50.0	3.2	25.0
2-Fluorobiphenyl	Ave	218005	235403		54.0	50.0	8.0	25.0
2-Bromonaphthalene	Ave	146616	160816		54.8	50.0	9.7	25.0
o-Terphenyl	Ave	251369	274886		54.7	50.0	9.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/1 Calibration Date: 12/21/2010 09:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34892.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.84	6.74	6.94
Fluorene	7.64	7.54	7.74
Phenanthrene	9.37	9.27	9.47
Anthracene	9.46	9.36	9.56
Fluoranthene	11.84	11.74	11.94
Pyrene	12.30	12.20	12.40
C11-C22 Aromatics (unadjusted)	12.65	4.57	20.71
Benzo[a]anthracene	15.00	14.90	15.10
Chrysene	15.10	15.00	15.20
Benzo[b]fluoranthene	17.31	17.21	17.41
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.95	19.85	20.05
Dibenz(a,h)anthracene	20.02	19.92	20.12
Benzo[g,h,i]perylene	20.36	20.27	20.47
2-Fluorobiphenyl	5.90	5.80	6.00
2-Bromonaphthalene	6.75	6.65	6.85
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34892.D
Lims ID: CCVRT Client ID:
Inject. Date: 21-Dec-2010 09:18:29 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67453 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m
Last Update: 21-Dec-2010 13:01:25 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:01:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.900	5.900	0.000	11770159	54.0	
$ 2 2-Bromonaphthalene						
1	6.746	6.746	0.000	8040818	54.8	
$ 3 o-Terphenyl						
1	10.312	10.311	0.001	13744276	54.7	
$ 4 1-Chlorooctadecane						
2	13.178	13.176	0.002	8179654	55.2	
5 n-Nonane						
2	2.929	2.929	0.000	10491887	52.7	
6 n-Decane						
2	3.708	3.708	0.000	10672212	53.6	
7 Naphthalene						
1	4.673	4.673	0.000	13866062	54.0	
9 Dodecane						
2	5.239	5.239	0.000	10756752	54.4	
8 2-Methylnaphthalene						
1	5.433	5.434	-0.001	13509386	54.2	
11 Acenaphthylene						
1	6.562	6.561	0.001	13324406	54.6	
15 n-Tetradecane						
2	6.770	6.772	-0.002	10490771	51.1	
12 Acenaphthene						
1	6.838	6.838	0.000	13661580	54.9	
14 Fluorene						
1	7.638	7.636	0.002	13327931	58.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.568	8.569	-0.001	10483890	55.3	
16 Phenanthrene						
1	9.368	9.368	0.000	13139713	55.4	
17 Anthracene						
1	9.458	9.457	0.001	12861962	54.9	
20 n-Octadecane						
2	10.484	10.483	0.001	10475880	56.3	
22 C19						
2	11.436	11.435	0.001	10562479	53.7	
19 Fluoranthene						
1	11.838	11.838	0.000	12946709	55.9	
21 Pyrene						
1	12.299	12.295	0.004	13134325	54.9	
23 icosane						
2	12.368	12.365	0.003	9272744	49.4	
27 n-Docosane						
2	14.146	14.145	0.001	9338282	56.9	
24 Benzo[a]anthracene						
1	15.002	14.998	0.004	10545353	59.1	
25 Chrysene						
1	15.099	15.095	0.004	11960310	59.4	
28 n-Tetracosane						
2	15.804	15.800	0.004	9898511	57.3	
29 Benzo[b]fluoranthene						
1	17.310	17.308	0.002	11196262	53.4	
32 n-Hexacosane						
2	17.343	17.341	0.002	10252733	57.6	
30 Benzo[k]fluoranthene						
1	17.372	17.368	0.004	10841862	54.4	
31 Benzo[a]pyrene						
1	17.924	17.922	0.002	11140050	50.4	
35 n-Octacosane						
2	18.778	18.777	0.001	10556955	57.8	
33 Indeno[1,2,3-cd]pyrene						
1	19.953	19.948	0.005	11459660	51.6	
34 Dibenz(a,h)anthracene						
1	20.018	20.016	0.002	9910721	55.8	
37 Triacontane						
2	20.118	20.115	0.003	10777731	57.2	
36 Benzo[g,h,i]perylene						
1	20.364	20.365	-0.001	10976438	51.6	
38 n-Hexatriacontane						
2	24.106	24.106	0.000	7349352	40.9	
A 39 C9-C18 Aliphatics						
2	6.706	2.829 - 10.584		68692934	322.8	
A 40 C11-C22 Aromatics						
1	12.645	4.573 - 20.713		211270600	932.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.471	10.584	-24.552	86185831	446.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					106.6	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					875.6	
S 44 EPH Adjustment 1						
1					825.5	

QC Flag Legend

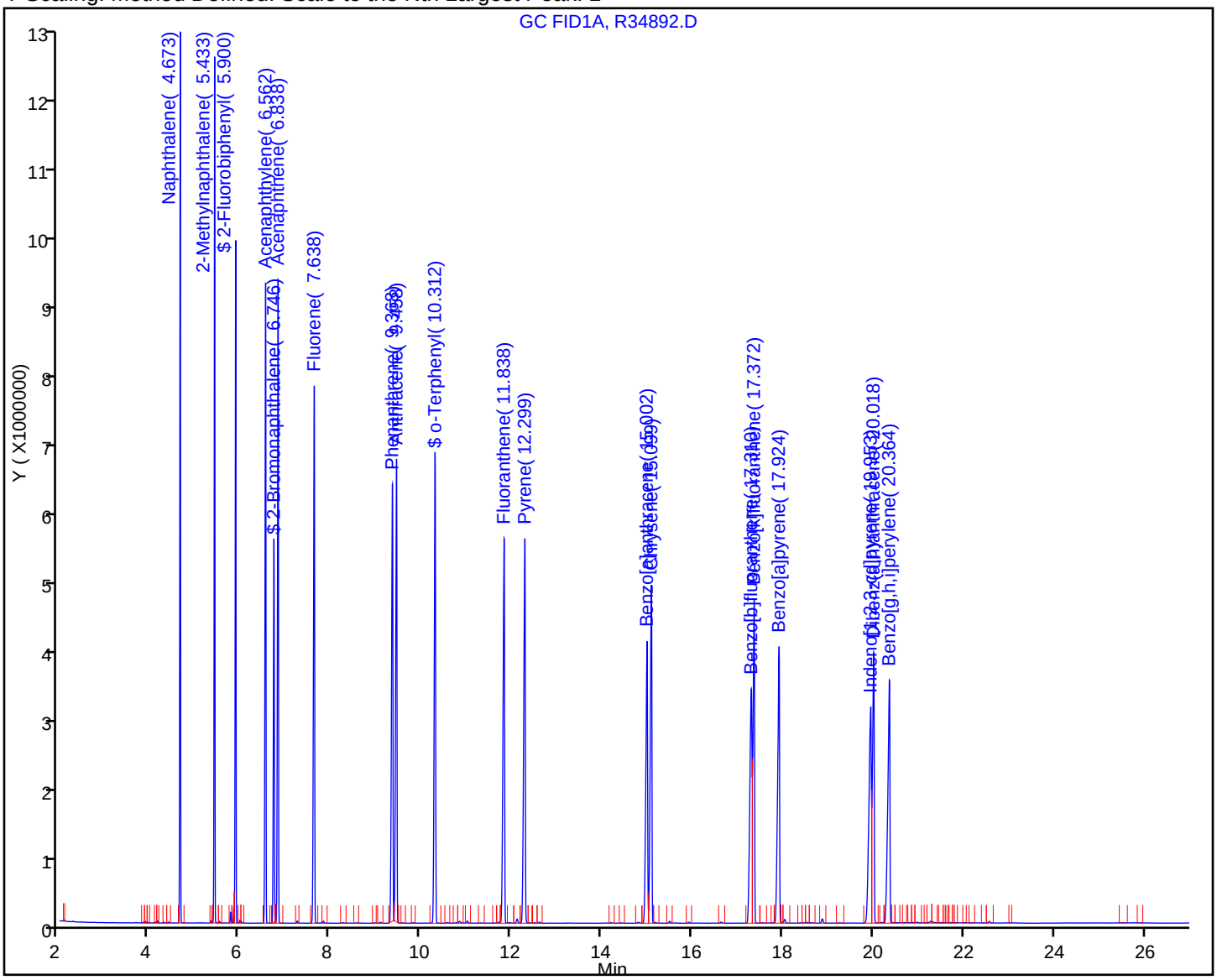
Processing Flags
7 - Failed Limit of Detection

Report Date: 21-Dec-2010 13:01:25 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34892.D

Injection Date:	21-Dec-2010 09:18:29	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	1
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/1 Calibration Date: 12/21/2010 09:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34892.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	209838		52.7	50.0	5.4	30.0
n-Decane	Ave	199084	213444		53.6	50.0	7.2	25.0
Dodecane	Ave	197711	215135		54.4	50.0	8.8	25.0
C9-C18 Aliphatics	Lin1		228976		323	300	7.6	25.0
n-Tetradecane	Ave	205263	209815		51.1	50.0	2.2	25.0
Hexadecane	Lin1		209678		55.3	50.0	10.7	25.0
n-Octadecane	Lin1		209518		56.3	50.0	12.6	25.0
C19	Ave	196523	211250		53.7	50.0	7.5	25.0
icosane	Ave	187741	185455		49.4	50.0	-1.2	25.0
n-Docosane	Lin1		186766		56.9	50.0	13.9	25.0
n-Tetracosane	Lin1		197970		57.3	50.0	14.6	25.0
n-Hexacosane	Lin1		205055		57.6	50.0	15.3	25.0
C19-C36 Aliphatics	Lin1		215465		446	400	11.6	25.0
n-Octacosane	Lin1		211139		57.8	50.0	15.6	25.0
Triacontane	Lin1		215555		57.2	50.0	14.4	25.0
n-Hexatriacontane	Ave	179656	146987		40.9	50.0	-18.2	25.0
1-Chlorooctadecane	Lin1		163593		55.2	50.0	10.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/1 Calibration Date: 12/21/2010 09:18

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34892.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.58
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.48	10.38	10.58
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.80	15.70	15.90
n-Hexacosane	17.34	17.24	17.44
C19-C36 Aliphatics	17.47	10.58	24.55
n-Octacosane	18.78	18.68	18.88
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.11	24.01	24.21
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34892.D
Lims ID: CCVRT Client ID:
Inject. Date: 21-Dec-2010 09:18:29 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67453 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m
Last Update: 21-Dec-2010 13:01:25 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:01:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.900	5.900	0.000	11770159	54.0	
$ 2 2-Bromonaphthalene						
1	6.746	6.746	0.000	8040818	54.8	
$ 3 o-Terphenyl						
1	10.312	10.311	0.001	13744276	54.7	
$ 4 1-Chlorooctadecane						
2	13.178	13.176	0.002	8179654	55.2	
5 n-Nonane						
2	2.929	2.929	0.000	10491887	52.7	
6 n-Decane						
2	3.708	3.708	0.000	10672212	53.6	
7 Naphthalene						
1	4.673	4.673	0.000	13866062	54.0	
9 Dodecane						
2	5.239	5.239	0.000	10756752	54.4	
8 2-Methylnaphthalene						
1	5.433	5.434	-0.001	13509386	54.2	
11 Acenaphthylene						
1	6.562	6.561	0.001	13324406	54.6	
15 n-Tetradecane						
2	6.770	6.772	-0.002	10490771	51.1	
12 Acenaphthene						
1	6.838	6.838	0.000	13661580	54.9	
14 Fluorene						
1	7.638	7.636	0.002	13327931	58.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.568	8.569	-0.001	10483890	55.3	
16 Phenanthrene						
1	9.368	9.368	0.000	13139713	55.4	
17 Anthracene						
1	9.458	9.457	0.001	12861962	54.9	
20 n-Octadecane						
2	10.484	10.483	0.001	10475880	56.3	
22 C19						
2	11.436	11.435	0.001	10562479	53.7	
19 Fluoranthene						
1	11.838	11.838	0.000	12946709	55.9	
21 Pyrene						
1	12.299	12.295	0.004	13134325	54.9	
23 icosane						
2	12.368	12.365	0.003	9272744	49.4	
27 n-Docosane						
2	14.146	14.145	0.001	9338282	56.9	
24 Benzo[a]anthracene						
1	15.002	14.998	0.004	10545353	59.1	
25 Chrysene						
1	15.099	15.095	0.004	11960310	59.4	
28 n-Tetracosane						
2	15.804	15.800	0.004	9898511	57.3	
29 Benzo[b]fluoranthene						
1	17.310	17.308	0.002	11196262	53.4	
32 n-Hexacosane						
2	17.343	17.341	0.002	10252733	57.6	
30 Benzo[k]fluoranthene						
1	17.372	17.368	0.004	10841862	54.4	
31 Benzo[a]pyrene						
1	17.924	17.922	0.002	11140050	50.4	
35 n-Octacosane						
2	18.778	18.777	0.001	10556955	57.8	
33 Indeno[1,2,3-cd]pyrene						
1	19.953	19.948	0.005	11459660	51.6	
34 Dibenz(a,h)anthracene						
1	20.018	20.016	0.002	9910721	55.8	
37 Triacontane						
2	20.118	20.115	0.003	10777731	57.2	
36 Benzo[g,h,i]perylene						
1	20.364	20.365	-0.001	10976438	51.6	
38 n-Hexatriacontane						
2	24.106	24.106	0.000	7349352	40.9	
A 39 C9-C18 Aliphatics						
2	6.706	2.829 - 10.584		68692934	322.8	
A 40 C11-C22 Aromatics						
1	12.645	4.573 - 20.713		211270600	932.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.471	10.584	-24.552	86185831	446.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					106.6	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					875.6	
S 44 EPH Adjustment 1						
1					825.5	

QC Flag Legend

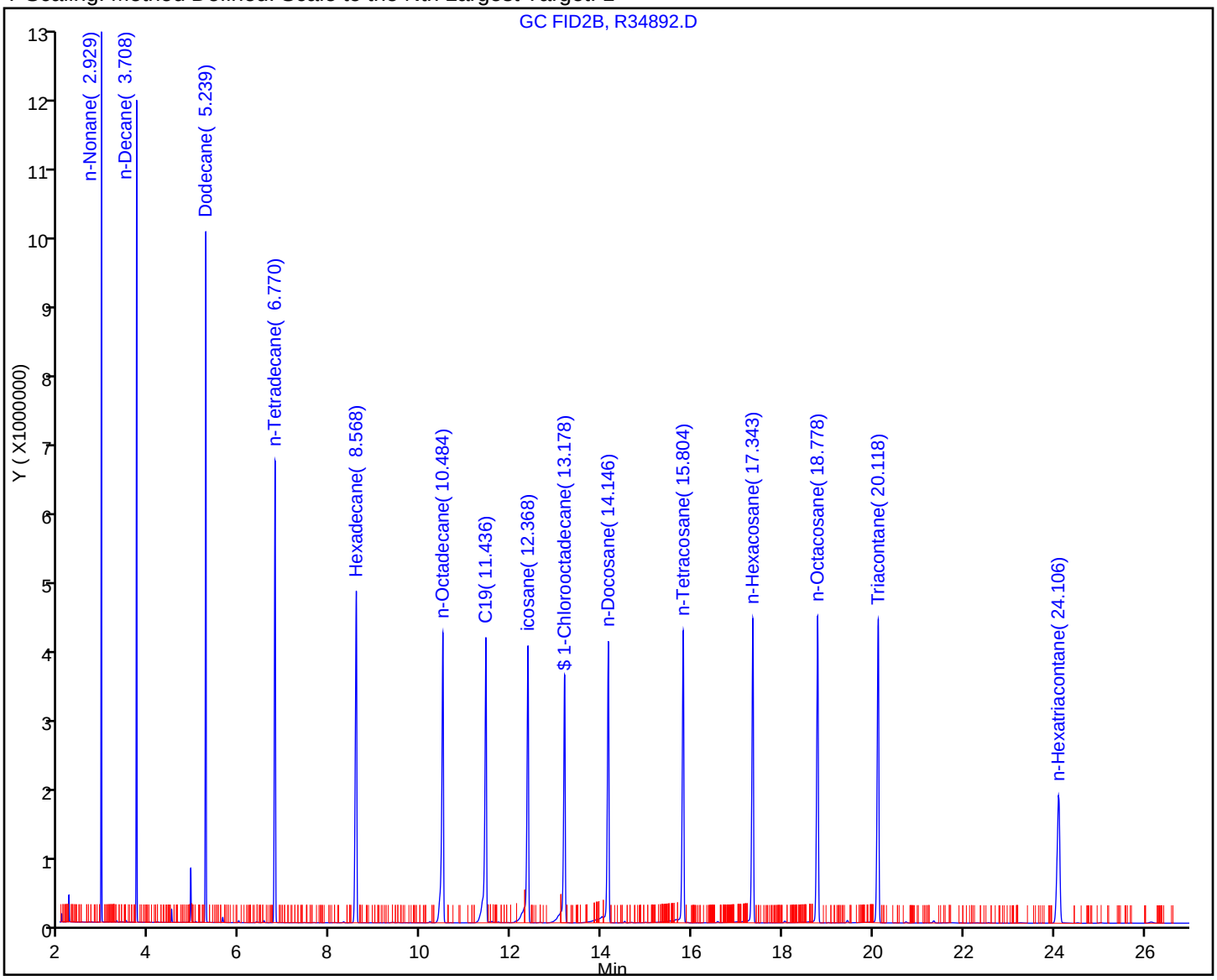
Processing Flags
7 - Failed Limit of Detection

Report Date: 21-Dec-2010 13:01:25 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34892.D

Injection Date:	21-Dec-2010 09:18:29	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	1
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/5 Calibration Date: 12/21/2010 12:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34902.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	256825	250067		48.7	50.0	-2.6	25.0
2-Methylnaphthalene	Ave	249165	242412		48.6	50.0	-2.7	25.0
Acenaphthylene	Ave	243927	237515		48.7	50.0	-2.6	25.0
Acenaphthene	Ave	248806	243482		48.9	50.0	-2.1	25.0
Fluorene	Lin1		236677		51.9	50.0	3.8	25.0
Phenanthrene	Ave	237166	232703		49.1	50.0	-1.9	25.0
Anthracene	Ave	234475	228895		48.8	50.0	-2.4	25.0
Fluoranthene	Ave	231735	232141		50.1	50.0	0.2	25.0
Pyrene	Ave	239401	235946		49.3	50.0	-1.4	25.0
C11-C22 Aromatics (unadjusted)	Ave	226663	228806		858	850	0.9	25.0
Benzo[a]anthracene	Lin1		194256		54.4	50.0	8.8	25.0
Chrysene	Lin1		220664		54.8	50.0	9.5	25.0
Benzo[b]fluoranthene	Qua		214633		51.0	50.0	2.1	25.0
Benzo[k]fluoranthene	Lin1		202469		50.8	50.0	1.6	25.0
Benzo[a]pyrene	Ave	220890	212120		48.0	50.0	-4.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	222034	220580		49.7	50.0	-0.7	25.0
Dibenz(a,h)anthracene	Lin1		189709		53.4	50.0	6.8	25.0
Benzo[g,h,i]perylene	Ave	212714	211836		49.8	50.0	-0.4	25.0
2-Fluorobiphenyl	Ave	218005	210227		48.2	50.0	-3.6	25.0
2-Bromonaphthalene	Ave	146616	143078		48.8	50.0	-2.4	25.0
o-Terphenyl	Ave	251369	244159		48.6	50.0	-2.9	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/5 Calibration Date: 12/21/2010 12:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34902.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.67	4.57	4.77
2-Methylnaphthalene	5.43	5.33	5.53
Acenaphthylene	6.56	6.46	6.66
Acenaphthene	6.84	6.74	6.94
Fluorene	7.64	7.54	7.74
Phenanthrene	9.37	9.27	9.47
Anthracene	9.46	9.36	9.56
Fluoranthene	11.84	11.74	11.94
Pyrene	12.30	12.20	12.40
C11-C22 Aromatics (unadjusted)	12.64	4.57	20.79
Benzo[a]anthracene	15.00	14.90	15.10
Chrysene	15.10	15.00	15.20
Benzo[b]fluoranthene	17.31	17.21	17.41
Benzo[k]fluoranthene	17.37	17.27	17.47
Benzo[a]pyrene	17.92	17.82	18.02
Indeno[1,2,3-cd]pyrene	19.95	19.85	20.05
Dibenz(a,h)anthracene	20.02	19.92	20.12
Benzo[g,h,i]perylene	20.37	20.27	20.47
2-Fluorobiphenyl	5.90	5.80	6.00
2-Bromonaphthalene	6.75	6.65	6.85
o-Terphenyl	10.31	10.21	10.41

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34902.D
Lims ID: CCVRT Client ID:
Inject. Date: 21-Dec-2010 12:21:10 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67453 Lims Sample ID: 5
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m
Last Update: 21-Dec-2010 13:02:10 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:02:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.900	5.900	0.000	10511328	48.2	
$ 2 2-Bromonaphthalene						
1	6.746	6.746	0.000	7153909	48.8	
$ 3 o-Terphenyl						
1	10.311	10.311	0.000	12207931	48.6	
$ 4 1-Chlorooctadecane						
2	13.176	13.176	0.000	8046914	54.3	
5 n-Nonane						
2	2.929	2.929	0.000	10145906	50.9	
6 n-Decane						
2	3.708	3.708	0.000	10248550	51.5	
7 Naphthalene						
1	4.673	4.673	0.000	12503364	48.7	
9 Dodecane						
2	5.239	5.239	0.000	10282221	52.0	
8 2-Methylnaphthalene						
1	5.434	5.434	0.000	12120583	48.6	
11 Acenaphthylene						
1	6.561	6.561	0.000	11875761	48.7	
15 n-Tetradecane						
2	6.772	6.772	0.000	10033441	48.9	
12 Acenaphthene						
1	6.838	6.838	0.000	12174122	48.9	
14 Fluorene						
1	7.636	7.636	0.000	11833848	51.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.569	8.569	0.000	9988791	52.7	
16 Phenanthrene						
1	9.368	9.368	0.000	11635131	49.1	
17 Anthracene						
1	9.457	9.457	0.000	11444725	48.8	
20 n-Octadecane						
2	10.483	10.483	0.000	9937369	53.4	
22 C19						
2	11.435	11.435	0.000	9978042	50.8	
19 Fluoranthene						
1	11.838	11.838	0.000	11607074	50.1	
21 Pyrene						
1	12.295	12.295	0.000	11797279	49.3	
23 icosane						
2	12.365	12.365	0.000	8836052	47.1	
27 n-Docosane						
2	14.145	14.145	0.000	8802873	53.7	
24 Benzo[a]anthracene						
1	14.998	14.998	0.000	9712813	54.4	
25 Chrysene						
1	15.095	15.095	0.000	11033185	54.8	
28 n-Tetracosane						
2	15.800	15.800	0.000	9377981	54.3	
29 Benzo[b]fluoranthene						
1	17.308	17.308	0.000	10731639	51.0	
32 n-Hexacosane						
2	17.341	17.341	0.000	9790224	55.0	
30 Benzo[k]fluoranthene						
1	17.368	17.368	0.000	10123439	50.8	
31 Benzo[a]pyrene						
1	17.922	17.922	0.000	10606003	48.0	
35 n-Octacosane						
2	18.777	18.777	0.000	10100216	55.3	
33 Indeno[1,2,3-cd]pyrene						
1	19.948	19.948	0.000	11028995	49.7	
34 Dibenz(a,h)anthracene						
1	20.016	20.016	0.000	9485453	53.4	
37 Triacontane						
2	20.115	20.115	0.000	10235658	54.3	
36 Benzo[g,h,i]perylene						
1	20.365	20.365	0.000	10591795	49.8	
38 n-Hexatriacontane						M
2	24.103	24.103	0.000	6859994	38.2	M
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.583		66679599	312.5	
A 40 C11-C22 Aromatics						
1	12.643	4.573 - 20.790		194484712	858.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.568	10.583	-24.325	82902558	428.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					105.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					845.8	
S 44 EPH Adjustment 1						
1					752.9	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

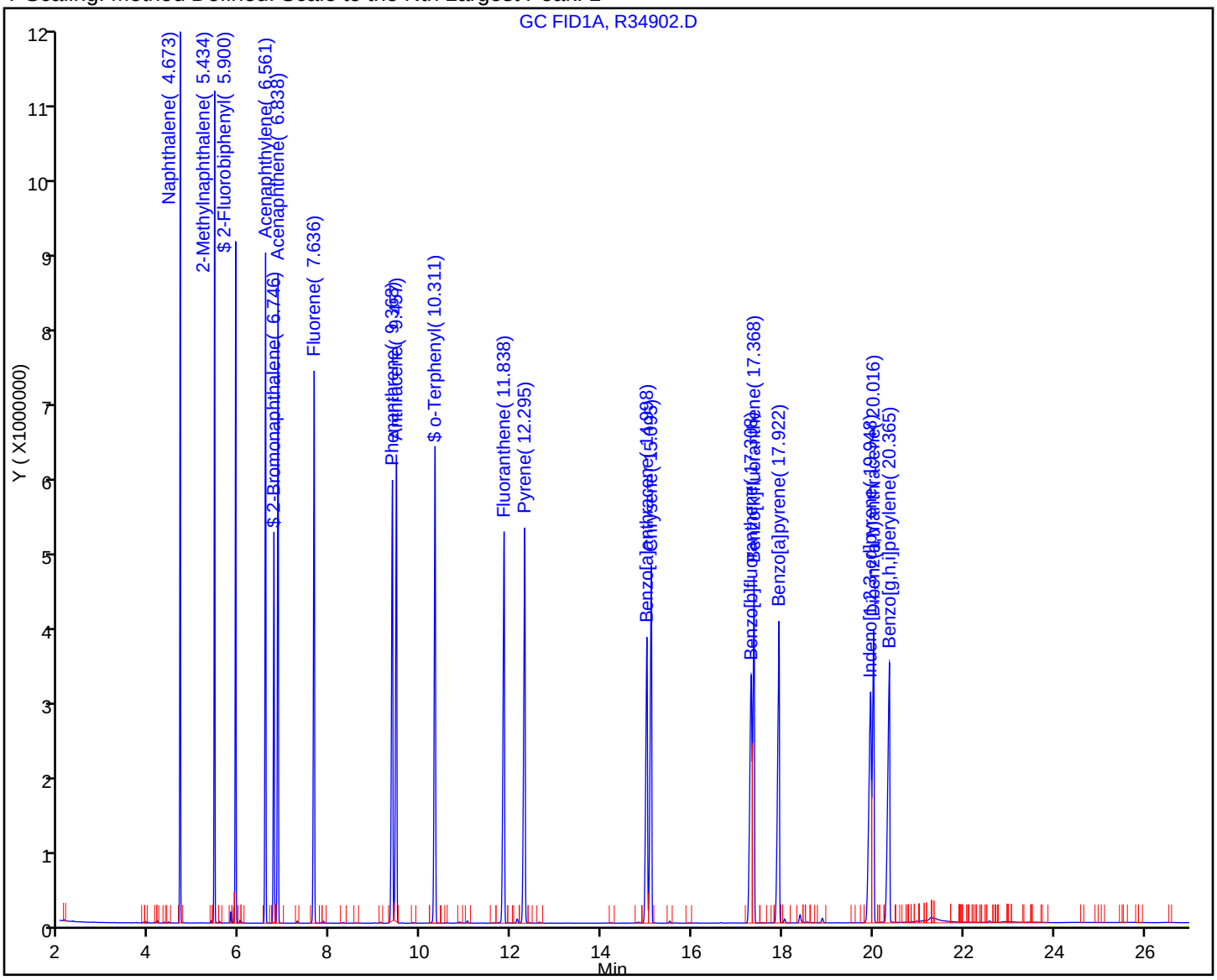
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 13:02:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34902.D

Injection Date:	21-Dec-2010 12:21:10	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	5
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/5 Calibration Date: 12/21/2010 12:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34902.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	199145	202918		50.9	50.0	1.9	30.0
n-Decane	Ave	199084	204971		51.5	50.0	3.0	25.0
Dodecane	Ave	197711	205644		52.0	50.0	4.0	25.0
C9-C18 Aliphatics	Lin1		222265		312	300	4.2	25.0
n-Tetradecane	Ave	205263	200669		48.9	50.0	-2.2	25.0
Hexadecane	Lin1		199776		52.7	50.0	5.5	25.0
n-Octadecane	Lin1		198747		53.4	50.0	6.8	25.0
C19	Ave	196523	199561		50.8	50.0	1.5	25.0
icosane	Ave	187741	176721		47.1	50.0	-5.9	25.0
n-Docosane	Lin1		176057		53.7	50.0	7.4	25.0
n-Tetracosane	Lin1		187560		54.3	50.0	8.5	25.0
n-Hexacosane	Lin1		195804		55.0	50.0	10.1	25.0
C19-C36 Aliphatics	Lin1		207256		428	400	7.1	25.0
n-Octacosane	Lin1		202004		55.3	50.0	10.6	25.0
Triacontane	Lin1		204713		54.3	50.0	8.6	25.0
n-Hexatriacontane	Ave	179656	137200		38.2	50.0	-23.6	25.0
1-Chlorooctadecane	Lin1		160938		54.3	50.0	8.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 360-67453/5 Calibration Date: 12/21/2010 12:21

Instrument ID: INST R Calib Start Date: 11/29/2010 16:31

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/29/2010 21:39

Lab File ID: R34902.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	2.93	2.83	3.03
n-Decane	3.71	3.61	3.81
Dodecane	5.24	5.14	5.34
C9-C18 Aliphatics	6.71	2.83	10.58
n-Tetradecane	6.77	6.67	6.87
Hexadecane	8.57	8.47	8.67
n-Octadecane	10.48	10.38	10.58
C19	11.44	11.34	11.54
icosane	12.37	12.27	12.47
n-Docosane	14.15	14.05	14.25
n-Tetracosane	15.80	15.70	15.90
n-Hexacosane	17.34	17.24	17.44
C19-C36 Aliphatics	17.57	10.58	24.33
n-Octacosane	18.78	18.68	18.88
Triacontane	20.12	20.02	20.22
n-Hexatriacontane	24.10	24.00	24.20
1-Chlorooctadecane	13.18	13.08	13.28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34902.D
Lims ID: CCVRT Client ID:
Inject. Date: 21-Dec-2010 12:21:10 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 50ppm std
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 67453 Lims Sample ID: 5
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\MAEPH-R.m
Last Update: 21-Dec-2010 13:02:10 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 21-Dec-2010 13:02:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.900	5.900	0.000	10511328	48.2	
$ 2 2-Bromonaphthalene						
1	6.746	6.746	0.000	7153909	48.8	
$ 3 o-Terphenyl						
1	10.311	10.311	0.000	12207931	48.6	
$ 4 1-Chlorooctadecane						
2	13.176	13.176	0.000	8046914	54.3	
5 n-Nonane						
2	2.929	2.929	0.000	10145906	50.9	
6 n-Decane						
2	3.708	3.708	0.000	10248550	51.5	
7 Naphthalene						
1	4.673	4.673	0.000	12503364	48.7	
9 Dodecane						
2	5.239	5.239	0.000	10282221	52.0	
8 2-Methylnaphthalene						
1	5.434	5.434	0.000	12120583	48.6	
11 Acenaphthylene						
1	6.561	6.561	0.000	11875761	48.7	
15 n-Tetradecane						
2	6.772	6.772	0.000	10033441	48.9	
12 Acenaphthene						
1	6.838	6.838	0.000	12174122	48.9	
14 Fluorene						
1	7.636	7.636	0.000	11833848	51.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	8.569	8.569	0.000	9988791	52.7	
16 Phenanthrene						
1	9.368	9.368	0.000	11635131	49.1	
17 Anthracene						
1	9.457	9.457	0.000	11444725	48.8	
20 n-Octadecane						
2	10.483	10.483	0.000	9937369	53.4	
22 C19						
2	11.435	11.435	0.000	9978042	50.8	
19 Fluoranthene						
1	11.838	11.838	0.000	11607074	50.1	
21 Pyrene						
1	12.295	12.295	0.000	11797279	49.3	
23 icosane						
2	12.365	12.365	0.000	8836052	47.1	
27 n-Docosane						
2	14.145	14.145	0.000	8802873	53.7	
24 Benzo[a]anthracene						
1	14.998	14.998	0.000	9712813	54.4	
25 Chrysene						
1	15.095	15.095	0.000	11033185	54.8	
28 n-Tetracosane						
2	15.800	15.800	0.000	9377981	54.3	
29 Benzo[b]fluoranthene						
1	17.308	17.308	0.000	10731639	51.0	
32 n-Hexacosane						
2	17.341	17.341	0.000	9790224	55.0	
30 Benzo[k]fluoranthene						
1	17.368	17.368	0.000	10123439	50.8	
31 Benzo[a]pyrene						
1	17.922	17.922	0.000	10606003	48.0	
35 n-Octacosane						
2	18.777	18.777	0.000	10100216	55.3	
33 Indeno[1,2,3-cd]pyrene						
1	19.948	19.948	0.000	11028995	49.7	
34 Dibenz(a,h)anthracene						
1	20.016	20.016	0.000	9485453	53.4	
37 Triacontane						
2	20.115	20.115	0.000	10235658	54.3	
36 Benzo[g,h,i]perylene						
1	20.365	20.365	0.000	10591795	49.8	
38 n-Hexatriacontane						M
2	24.103	24.103	0.000	6859994	38.2	M
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.583		66679599	312.5	
A 40 C11-C22 Aromatics						
1	12.643	4.573 - 20.790		194484712	858.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	17.568	10.583	-24.325	82902558	428.2	
S 42 C11-C22 Aromatics (Adjusted)						
1					105.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					845.8	
S 44 EPH Adjustment 1						
1					752.9	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

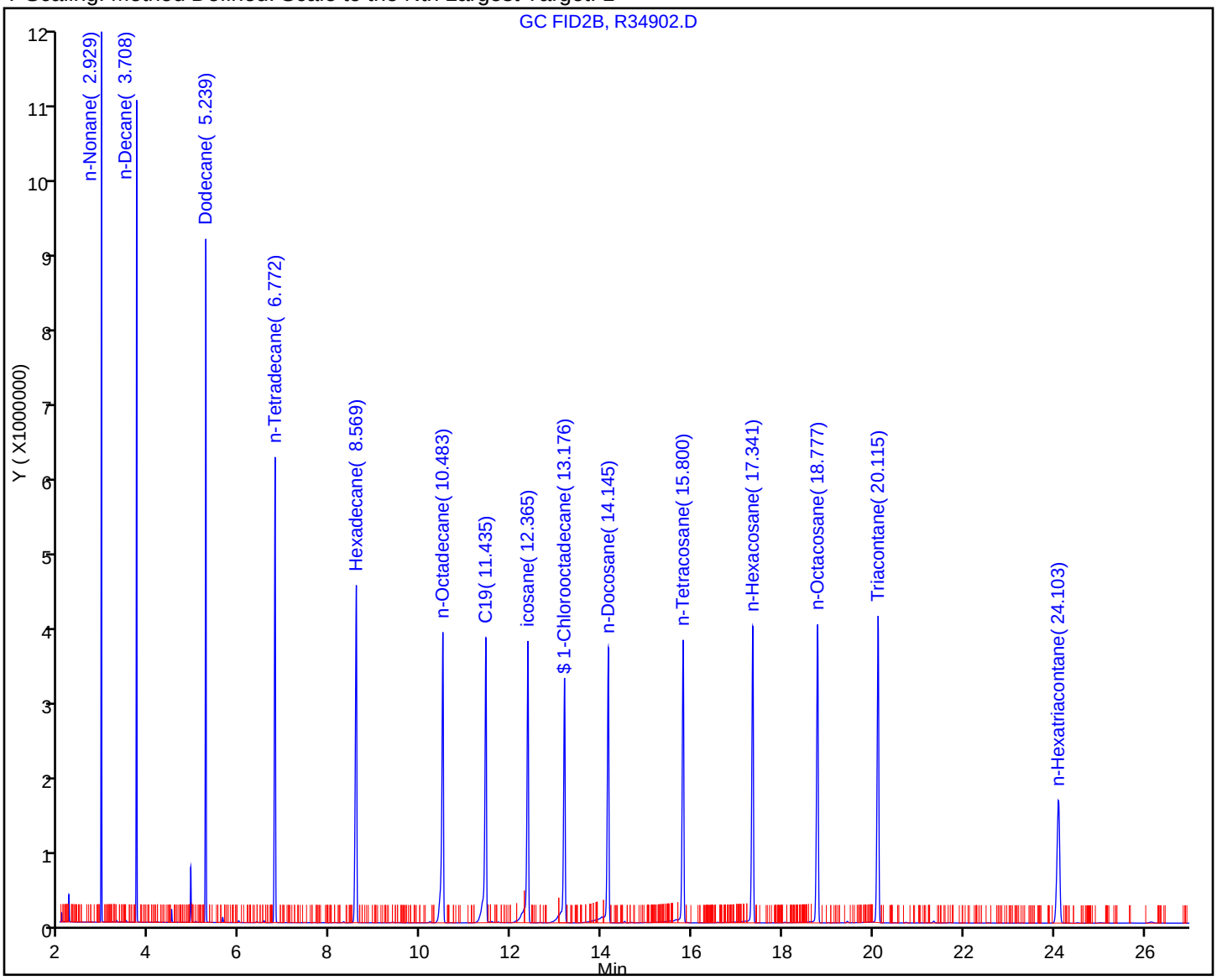
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2010 13:02:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34902.D

Injection Date:	21-Dec-2010 12:21:10	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 21-Dec-2010 13:02:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24

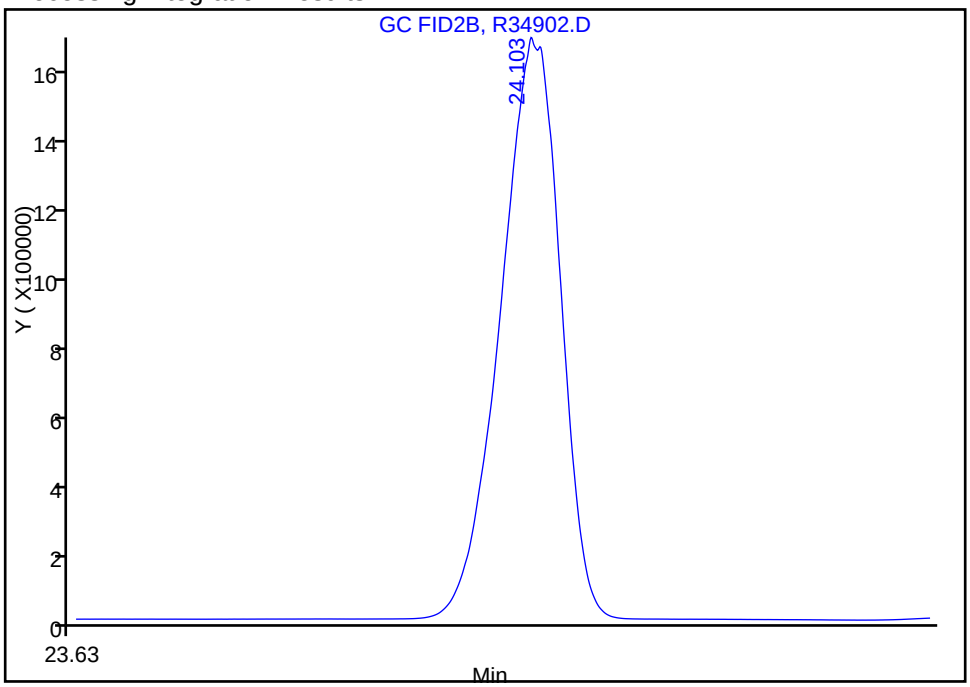
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101221-4413.b\R34902.D		
Injection Date:	21-Dec-2010 12:21:10	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67453	Lims Sample ID:	5
Operator ID:	SS	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 24.10, Det: GC FID2B

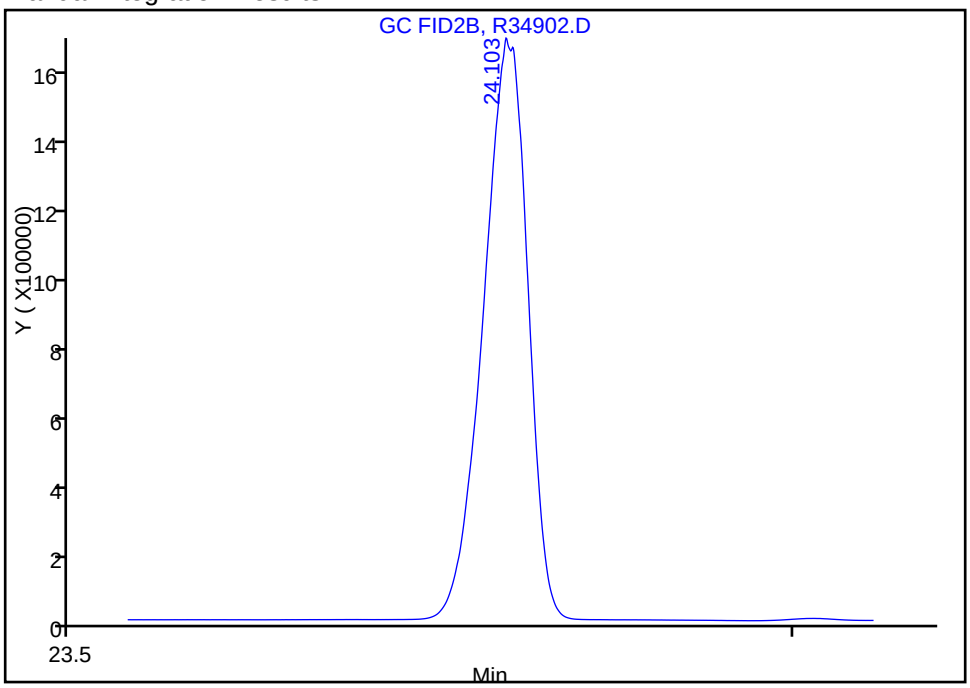
Processing Integration Results

RT: 24.10
Response: 1769683
Amount: 9.850413



Manual Integration Results

RT: 24.10
Response: 6859994
Amount: 38.184111



Reviewer: sadowskis, 21-Dec-2010 13:01:17
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-66997/1-A

Matrix: Solid Lab File ID: R34638.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.00(g) Date Analyzed: 12/10/2010 15:07

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.: 67006 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	78		40-140
321-60-8	2-Fluorobiphenyl	94		40-140
580-13-2	2-Bromonaphthalene	93		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34638.D		
Lims ID:	MB 360-66997/1-A	Client ID:	
Inject. Date:	10-Dec-2010 15:07:37	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-66997/1-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	67006	Lims Sample ID:	2
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m		
Last Update:	13-Dec-2010 08:30:00	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:30:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.885	5.885	0.000	10296041	47.2	
$ 2 2-Bromonaphthalene						
1	6.728	6.728	0.000	6819825	46.5	
$ 3 o-Terphenyl						
1	10.303	10.290	0.013	19616166	78.0	
$ 4 1-Chlorooctadecane						
2	13.184	13.177	0.007	12118852	81.9	
A 40 C11-C22 Aromatics						
1	12.666	4.557 - 20.775		4829584	21.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					21.3	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					21.3	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

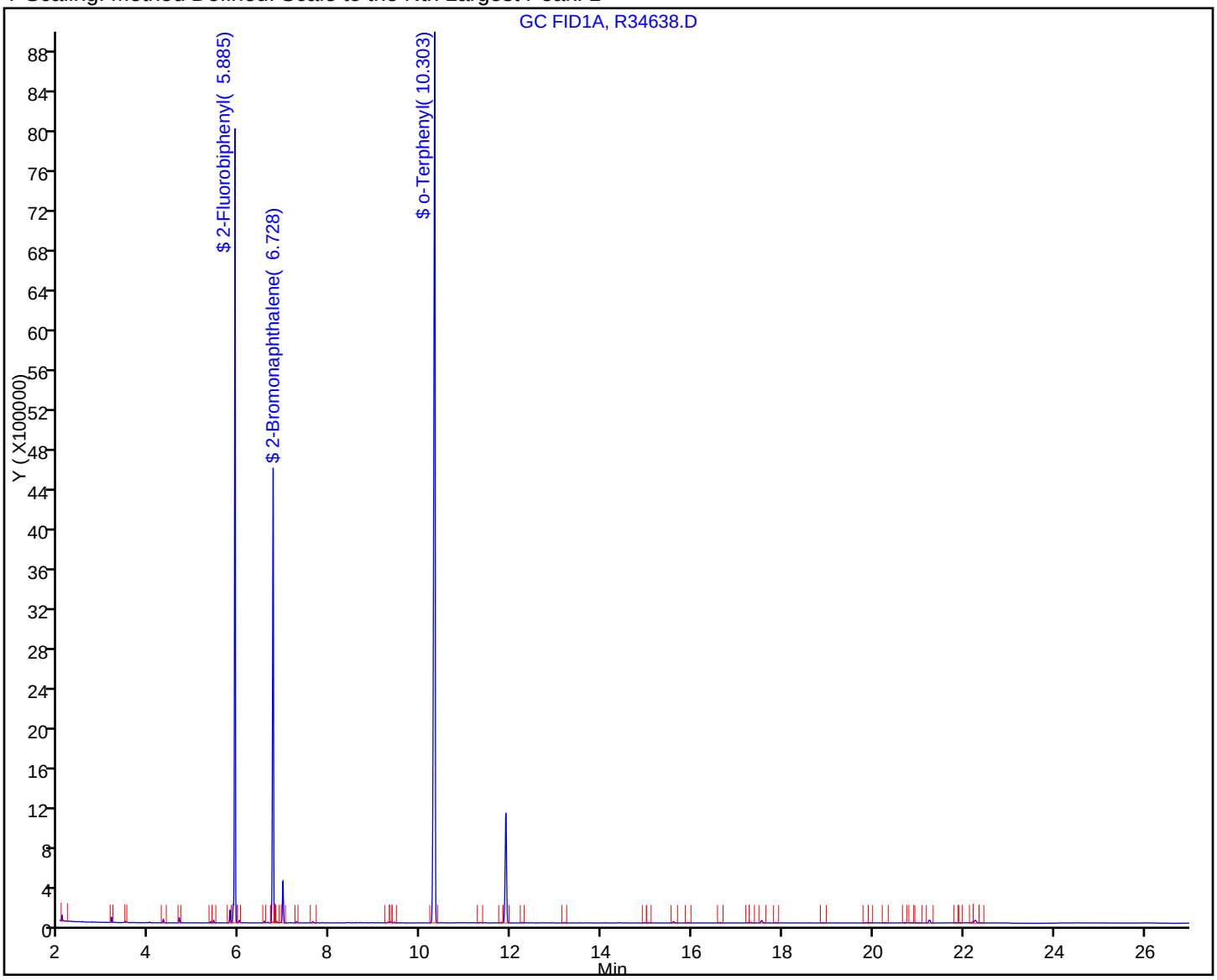
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:30:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34638.D

Injection Date:	10-Dec-2010 15:07:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	2
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-66997/1-A

Matrix: Solid Lab File ID: R34638.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.00(g) Date Analyzed: 12/10/2010 15:07

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.: 67006 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	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34638.D		
Lims ID:	MB 360-66997/1-A	Client ID:	
Inject. Date:	10-Dec-2010 15:07:37	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-66997/1-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	67006	Lims Sample ID:	2
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m		
Last Update:	13-Dec-2010 08:30:00	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:30:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.885	5.885	0.000	10296041	47.2	
$ 2 2-Bromonaphthalene						
1	6.728	6.728	0.000	6819825	46.5	
$ 3 o-Terphenyl						
1	10.303	10.290	0.013	19616166	78.0	
$ 4 1-Chlorooctadecane						
2	13.184	13.177	0.007	12118852	81.9	
A 40 C11-C22 Aromatics						
1	12.666	4.557 - 20.775		4829584	21.3	
S 42 C11-C22 Aromatics (Adjusted)						
1					21.3	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					21.3	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

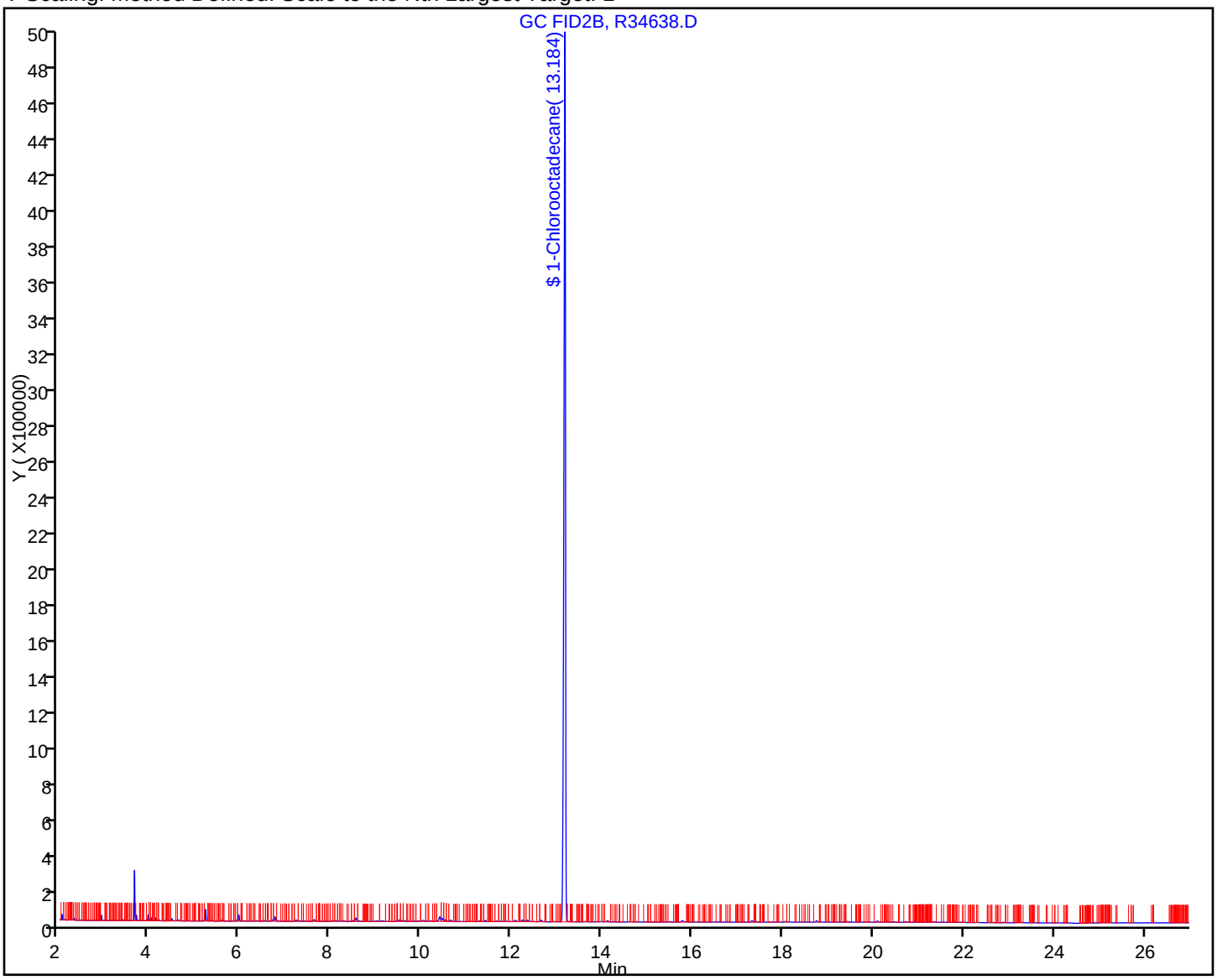
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:30:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34638.D

Injection Date:	10-Dec-2010 15:07:37	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	2
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 360-67139/1-A

Matrix: Solid Lab File ID: R34704.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.00(g) Date Analyzed: 12/15/2010 14:22

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.: 67201 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	86		40-140
321-60-8	2-Fluorobiphenyl	94		40-140
580-13-2	2-Bromonaphthalene	94		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34704.D		
Lims ID:	MB 360-67139/1-A	Client ID:	
Inject. Date:	15-Dec-2010 14:22:49	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-67139/1-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	67201	Lims Sample ID:	2
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:03:11	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.895	5.897	-0.002	10193730	46.8	
$ 2 2-Bromonaphthalene						
1	6.740	6.743	-0.003	6884692	47.0	
$ 3 o-Terphenyl						
1	10.322	10.308	0.014	21645507	86.1	
$ 4 1-Chlorooctadecane						
2	13.191	13.180	0.011	13242109	89.5	
A 40 C11-C22 Aromatics						
1	12.665	4.569 - 20.760		4554002	20.1	
S 42 C11-C22 Aromatics (Adjusted)						
1					20.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					20.1	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

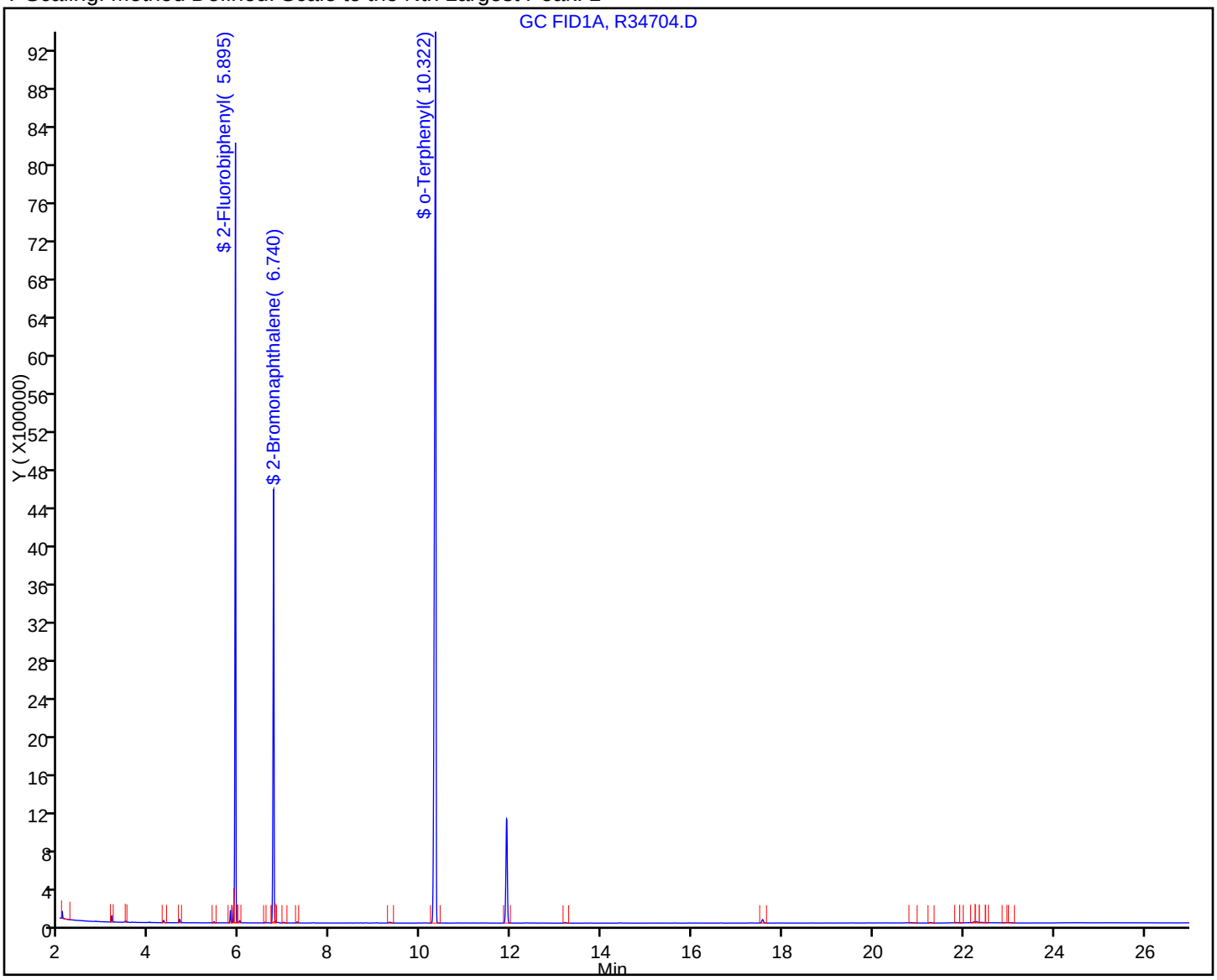
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:03:17 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34704.D

Injection Date:	15-Dec-2010 14:22:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	2
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: MB 360-67139/1-A

Matrix: Solid | Lab File ID: R34704.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.00(g) | Date Analyzed: 12/15/2010 14:22

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.: 67201 | 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	89		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34704.D		
Lims ID:	MB 360-67139/1-A	Client ID:	
Inject. Date:	15-Dec-2010 14:22:49	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-67139/1-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	67201	Lims Sample ID:	2
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:03:11	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.895	5.897	-0.002	10193730	46.8	
$ 2 2-Bromonaphthalene						
1	6.740	6.743	-0.003	6884692	47.0	
$ 3 o-Terphenyl						
1	10.322	10.308	0.014	21645507	86.1	
$ 4 1-Chlorooctadecane						
2	13.191	13.180	0.011	13242109	89.5	
A 40 C11-C22 Aromatics						
1	12.665	4.569 - 20.760		4554002	20.1	
S 42 C11-C22 Aromatics (Adjusted)						
1					20.1	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					20.1	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						

QC Flag Legend

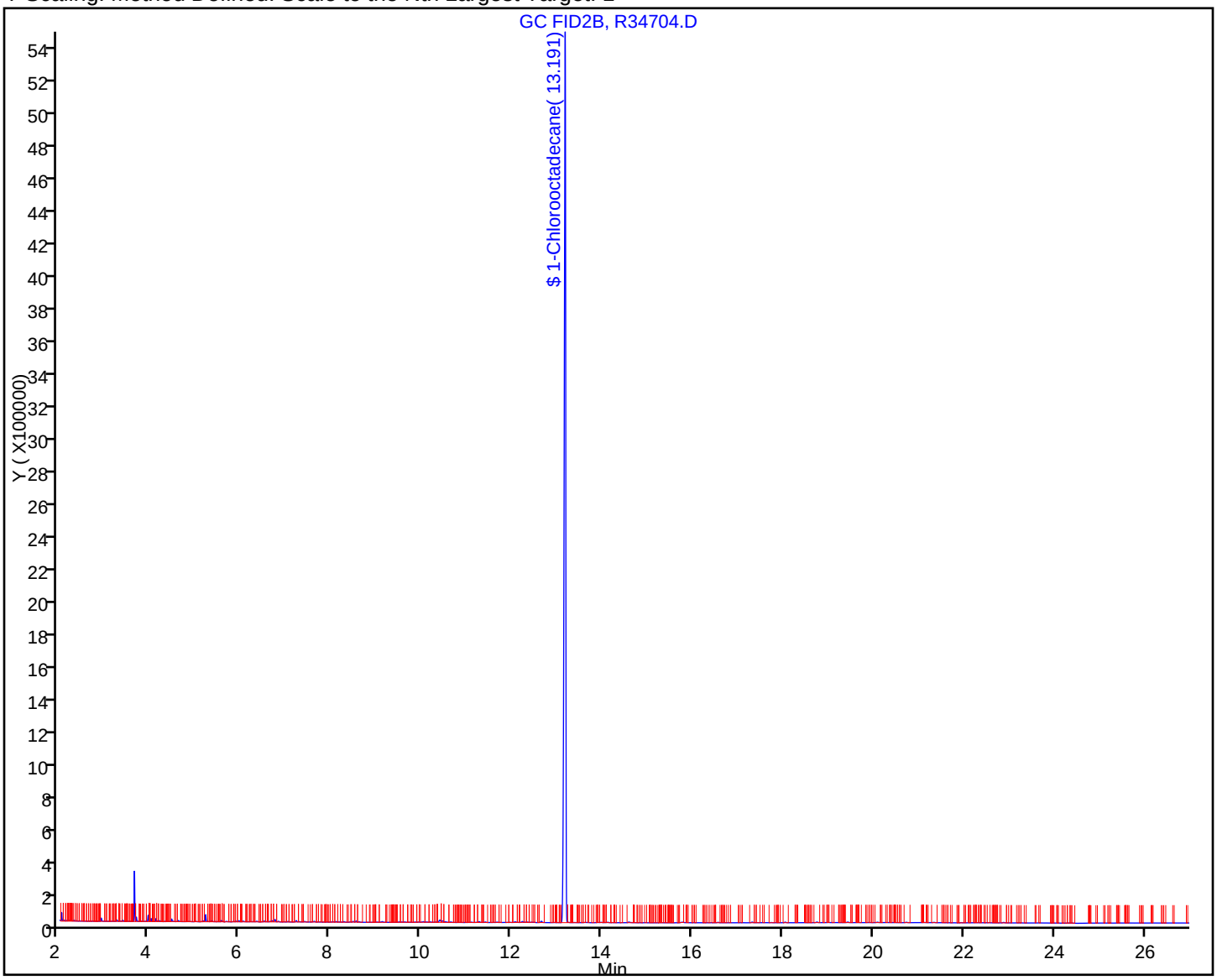
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:03:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34704.D

Injection Date:	15-Dec-2010 14:22:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	2
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-66997/2-A

Matrix: Solid | Lab File ID: R34640.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.00(g) | Date Analyzed: 12/10/2010 15:41

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.: 67006 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	49.5		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	84		40-140
321-60-8	2-Fluorobiphenyl	87		40-140
580-13-2	2-Bromonaphthalene	85		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34640.D
Lims ID: LCS 360-66997/2-A Client ID:
Inject. Date: 10-Dec-2010 15:41:21 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 360-66997/2-A
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 67006 Lims Sample ID: 3
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m
Last Update: 13-Dec-2010 08:30:35 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:30:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.882	5.885	-0.003	9439654	43.3	
$ 2 2-Bromonaphthalene						
1	6.724	6.728	-0.004	6259650	42.7	
$ 3 o-Terphenyl						
1	10.300	10.290	0.010	21021084	83.6	
$ 4 1-Chlorooctadecane						
2	13.184	13.177	0.007	10861258	73.4	
5 n-Nonane						
2	2.928	2.932	-0.004	3445350	17.3	
6 n-Decane						
2	3.706	3.710	-0.004	5023370	25.2	
7 Naphthalene						
1	4.651	4.658	-0.007	8580817	33.4	
9 Dodecane						
2	5.237	5.241	-0.004	6305447	31.9	
10 Naphthalene_B						
2	5.178	5.253	-0.075	6055	0.0268	7
LOD = 0.5000						
8 2-Methylnaphthalene						
1	5.414	5.420	-0.006	9030259	36.2	
13 2-Methylnaphthalene_B						
2	6.064	6.083	-0.019	6386	0.0289	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.539	6.544	-0.005	9431914	38.7	
15 n-Tetradecane						
2	6.769	6.772	-0.003	7077884	34.5	

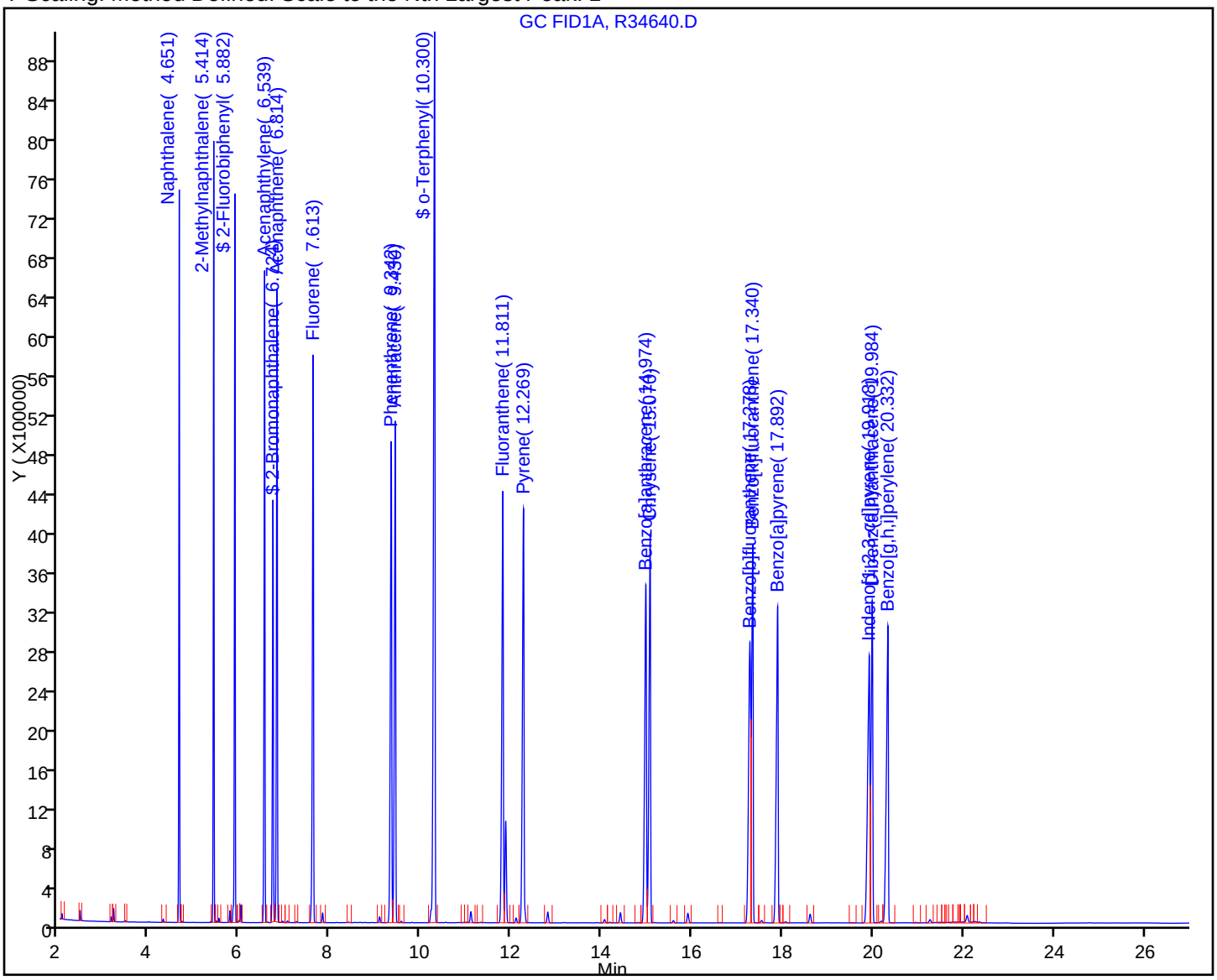
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.814	6.820	-0.006	9652252	38.8	
14 Fluorene						
1	7.613	7.617	-0.004	10157272	44.5	
18 Hexadecane						
2	8.566	8.568	-0.002	7668888	40.5	
16 Phenanthrene						
1	9.342	9.345	-0.003	10387796	43.8	
17 Anthracene						
1	9.430	9.435	-0.005	10113919	43.1	
20 n-Octadecane						
2	10.483	10.485	-0.002	8037956	43.2	
22 C19						
2	11.434	11.436	-0.002	7967113	40.5	
19 Fluoranthene						
1	11.811	11.813	-0.002	10130649	43.7	
21 Pyrene						
1	12.269	12.271	-0.002	10375483	43.3	
23 icosane						
2	12.364	12.365	-0.001	7423738	39.5	
27 n-Docosane						
2	14.142	14.146	-0.004	7374430	45.0	
24 Benzo[a]anthracene						
1	14.974	14.973	0.001	9466580	53.0	
25 Chrysene						
1	15.070	15.072	-0.002	9465915	47.0	
28 n-Tetracosane						
2	15.800	15.800	0.000	7559752	43.7	
29 Benzo[b]fluoranthene						
1	17.278	17.280	-0.002	9630852	45.4	
30 Benzo[k]fluoranthene						
1	17.340	17.342	-0.002	9164143	46.0	
32 n-Hexacosane						
2	17.339	17.343	-0.004	7879380	44.3	
31 Benzo[a]pyrene						
1	17.892	17.894	-0.002	9075932	41.1	
35 n-Octacosane						
2	18.772	18.776	-0.004	7978362	43.6	
33 Indeno[1,2,3-cd]pyrene						
1	19.918	19.917	0.001	9468825	42.6	
34 Dibenz(a,h)anthracene						
1	19.984	19.991	-0.007	8352325	47.0	
37 Triacontane						
2	20.111	20.113	-0.002	8357611	44.3	
36 Benzo[g,h,i]perylene						
1	20.332	20.336	-0.004	9147252	43.0	
38 n-Hexatriacontane						
2	24.099	24.113	-0.014	5423701	39.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.707	2.830 - 10.585		43900587	195.2	
A 40 C11-C22 Aromatics						
1	12.666	4.557 - 20.775		168367797	742.8	
A 41 C19-C36 Aliphatics						
2	17.489	10.585 -24.394		69434585	354.1	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:30:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34640.D
Injection Date: 10-Dec-2010 15:41:21 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67006 Lims Sample ID: 3
Operator ID: SS 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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-66997/2-A

Matrix: Solid | Lab File ID: R34640.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.00(g) | Date Analyzed: 12/10/2010 15:41

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.: 67006 | 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	13.0		3.3	3.3

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\20101210-4329.b\R34640.D
Lims ID: LCS 360-66997/2-A Client ID:
Inject. Date: 10-Dec-2010 15:41:21 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 360-66997/2-A
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 67006 Lims Sample ID: 3
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m
Last Update: 13-Dec-2010 08:30:35 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:30:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.882	5.885	-0.003	9439654	43.3	
$ 2 2-Bromonaphthalene						
1	6.724	6.728	-0.004	6259650	42.7	
$ 3 o-Terphenyl						
1	10.300	10.290	0.010	21021084	83.6	
$ 4 1-Chlorooctadecane						
2	13.184	13.177	0.007	10861258	73.4	
5 n-Nonane						
2	2.928	2.932	-0.004	3445350	17.3	
6 n-Decane						
2	3.706	3.710	-0.004	5023370	25.2	
7 Naphthalene						
1	4.651	4.658	-0.007	8580817	33.4	
9 Dodecane						
2	5.237	5.241	-0.004	6305447	31.9	
10 Naphthalene_B						
2	5.178	5.253	-0.075	6055	0.0268	7
LOD = 0.5000						
8 2-Methylnaphthalene						
1	5.414	5.420	-0.006	9030259	36.2	
13 2-Methylnaphthalene_B						
2	6.064	6.083	-0.019	6386	0.0289	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.539	6.544	-0.005	9431914	38.7	
15 n-Tetradecane						
2	6.769	6.772	-0.003	7077884	34.5	

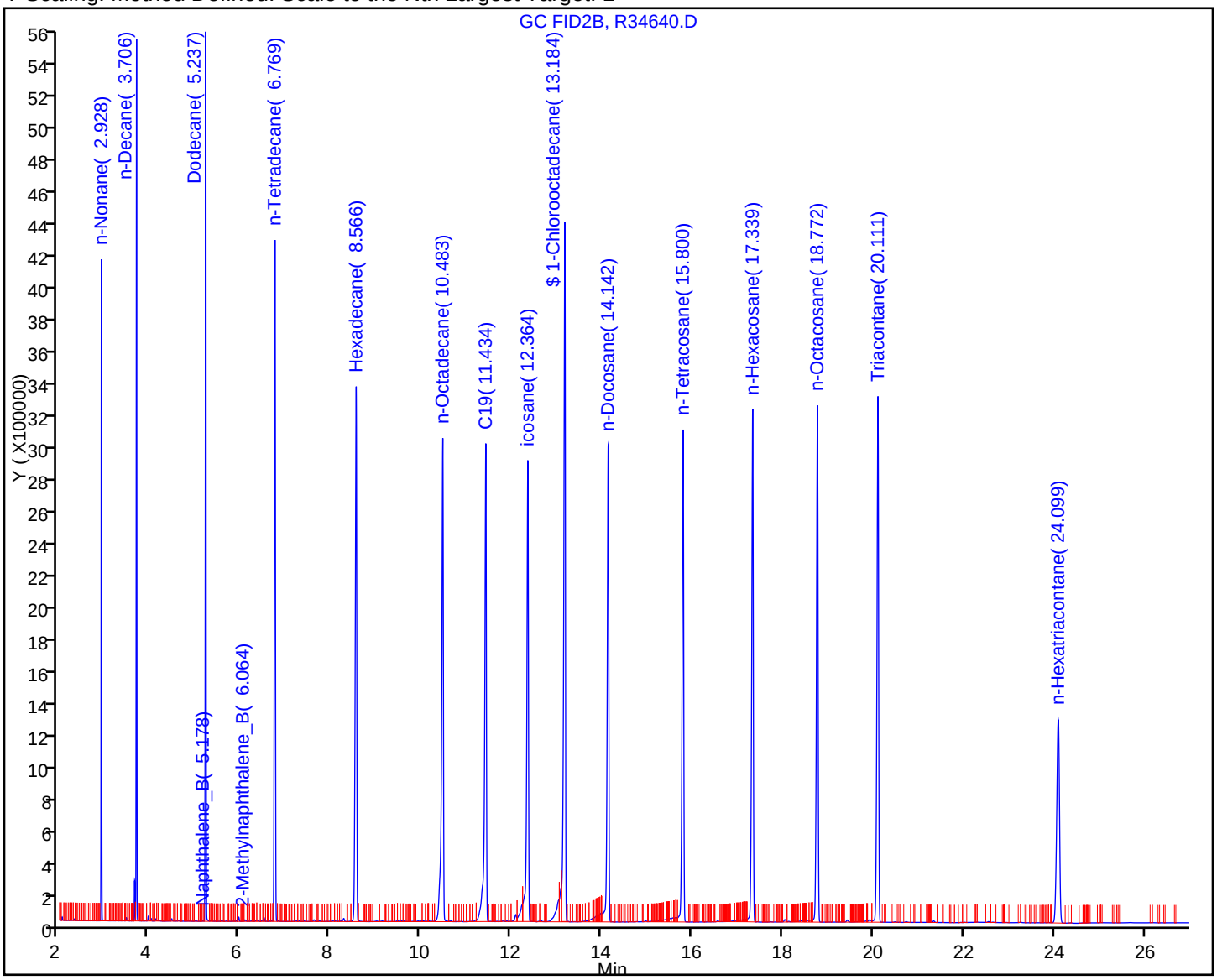
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.814	6.820	-0.006	9652252	38.8	
14 Fluorene						
1	7.613	7.617	-0.004	10157272	44.5	
18 Hexadecane						
2	8.566	8.568	-0.002	7668888	40.5	
16 Phenanthrene						
1	9.342	9.345	-0.003	10387796	43.8	
17 Anthracene						
1	9.430	9.435	-0.005	10113919	43.1	
20 n-Octadecane						
2	10.483	10.485	-0.002	8037956	43.2	
22 C19						
2	11.434	11.436	-0.002	7967113	40.5	
19 Fluoranthene						
1	11.811	11.813	-0.002	10130649	43.7	
21 Pyrene						
1	12.269	12.271	-0.002	10375483	43.3	
23 icosane						
2	12.364	12.365	-0.001	7423738	39.5	
27 n-Docosane						
2	14.142	14.146	-0.004	7374430	45.0	
24 Benzo[a]anthracene						
1	14.974	14.973	0.001	9466580	53.0	
25 Chrysene						
1	15.070	15.072	-0.002	9465915	47.0	
28 n-Tetracosane						
2	15.800	15.800	0.000	7559752	43.7	
29 Benzo[b]fluoranthene						
1	17.278	17.280	-0.002	9630852	45.4	
30 Benzo[k]fluoranthene						
1	17.340	17.342	-0.002	9164143	46.0	
32 n-Hexacosane						
2	17.339	17.343	-0.004	7879380	44.3	
31 Benzo[a]pyrene						
1	17.892	17.894	-0.002	9075932	41.1	
35 n-Octacosane						
2	18.772	18.776	-0.004	7978362	43.6	
33 Indeno[1,2,3-cd]pyrene						
1	19.918	19.917	0.001	9468825	42.6	
34 Dibenz(a,h)anthracene						
1	19.984	19.991	-0.007	8352325	47.0	
37 Triacontane						
2	20.111	20.113	-0.002	8357611	44.3	
36 Benzo[g,h,i]perylene						
1	20.332	20.336	-0.004	9147252	43.0	
38 n-Hexatriacontane						
2	24.099	24.113	-0.014	5423701	39.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.707	2.830 - 10.585		43900587	195.2	
A 40 C11-C22 Aromatics						
1	12.666	4.557 - 20.775		168367797	742.8	
A 41 C19-C36 Aliphatics						
2	17.489	10.585 -24.394		69434585	354.1	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:30:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34640.D
Injection Date: 10-Dec-2010 15:41:21 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67006 Lims Sample ID: 3
Operator ID: SS 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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCS 360-67139/2-A

Matrix: Solid Lab File ID: R34706.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.00(g) Date Analyzed: 12/15/2010 14:56

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.: 67201 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	52.4		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		40-140
321-60-8	2-Fluorobiphenyl	96		40-140
580-13-2	2-Bromonaphthalene	96		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34706.D
Lims ID: LCS 360-67139/2-A Client ID:
Inject. Date: 15-Dec-2010 14:56:43 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 360-67139/2-A
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 67201 Lims Sample ID: 3
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:03:11 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	10515708	48.2	
$ 2 2-Bromonaphthalene						
1	6.738	6.743	-0.005	7035804	48.0	
$ 3 o-Terphenyl						
1	10.316	10.308	0.008	22661627	90.2	
$ 4 1-Chlorooctadecane						
2	13.186	13.180	0.006	12578472	85.0	
5 n-Nonane						
2	2.926	2.930	-0.004	3686232	18.5	
6 n-Decane						
2	3.705	3.709	-0.004	5236731	26.3	
7 Naphthalene						
1	4.660	4.669	-0.009	8954657	34.9	
9 Dodecane						
2	5.238	5.241	-0.003	6565783	33.2	
10 Naphthalene_B						
2	5.178	5.253	-0.075	8610	0.0381	7
LOD = 0.5000						
8 2-Methylnaphthalene						
1	5.424	5.430	-0.006	9532225	38.3	
13 2-Methylnaphthalene_B						
2	6.090	6.083	0.007	66239	0.3001	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.551	6.558	-0.007	10052031	41.2	
15 n-Tetradecane						
2	6.770	6.773	-0.003	7401947	36.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.827	6.835	-0.008	10275274	41.3	
14 Fluorene						
1	7.627	7.633	-0.006	10763852	47.2	
18 Hexadecane						
2	8.569	8.570	-0.001	8077239	42.6	
16 Phenanthrene						
1	9.356	9.363	-0.007	10931595	46.1	
17 Anthracene						
1	9.447	9.453	-0.006	10651280	45.4	
20 n-Octadecane						
2	10.485	10.486	-0.001	8341550	44.8	
22 C19						
2	11.435	11.439	-0.004	8317856	42.3	
19 Fluoranthene						
1	11.827	11.836	-0.009	10739483	46.3	
21 Pyrene						
1	12.287	12.292	-0.005	11016220	46.0	
23 icosane						
2	12.366	12.367	-0.001	7484468	39.9	
27 n-Docosane						
2	14.147	14.149	-0.002	7764380	47.3	
24 Benzo[a]anthracene						
1	14.996	14.997	-0.001	10177295	57.0	
25 Chrysene						
1	15.090	15.093	-0.003	10141478	50.3	
28 n-Tetracosane						
2	15.801	15.806	-0.005	7914945	45.8	
29 Benzo[b]fluoranthene						
1	17.303	17.304	-0.001	10296028	48.8	
32 n-Hexacosane						
2	17.344	17.346	-0.002	8128305	45.7	
30 Benzo[k]fluoranthene						
1	17.363	17.372	-0.009	9676642	48.6	
31 Benzo[a]pyrene						
1	17.914	17.922	-0.008	9610434	43.5	
35 n-Octacosane						
2	18.775	18.781	-0.006	8072612	44.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.944	19.941	0.003	10009225	45.1	
34 Dibenz(a,h)anthracene						
1	20.005	20.012	-0.007	8900795	50.1	
37 Triacontane						
2	20.117	20.119	-0.002	8404869	44.6	
36 Benzo[g,h,i]perylene						
1	20.355	20.355	0.000	9802494	46.1	
38 n-Hexatriacontane						
2	24.115	24.119	-0.004	7160260	39.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		44418040	197.8	
A 40 C11-C22 Aromatics						
1	12.665	4.569 - 20.760		178288245	786.6	
A 41 C19-C36 Aliphatics						
2	17.467	10.585 -24.349		69848167	356.4	

QC Flag Legend

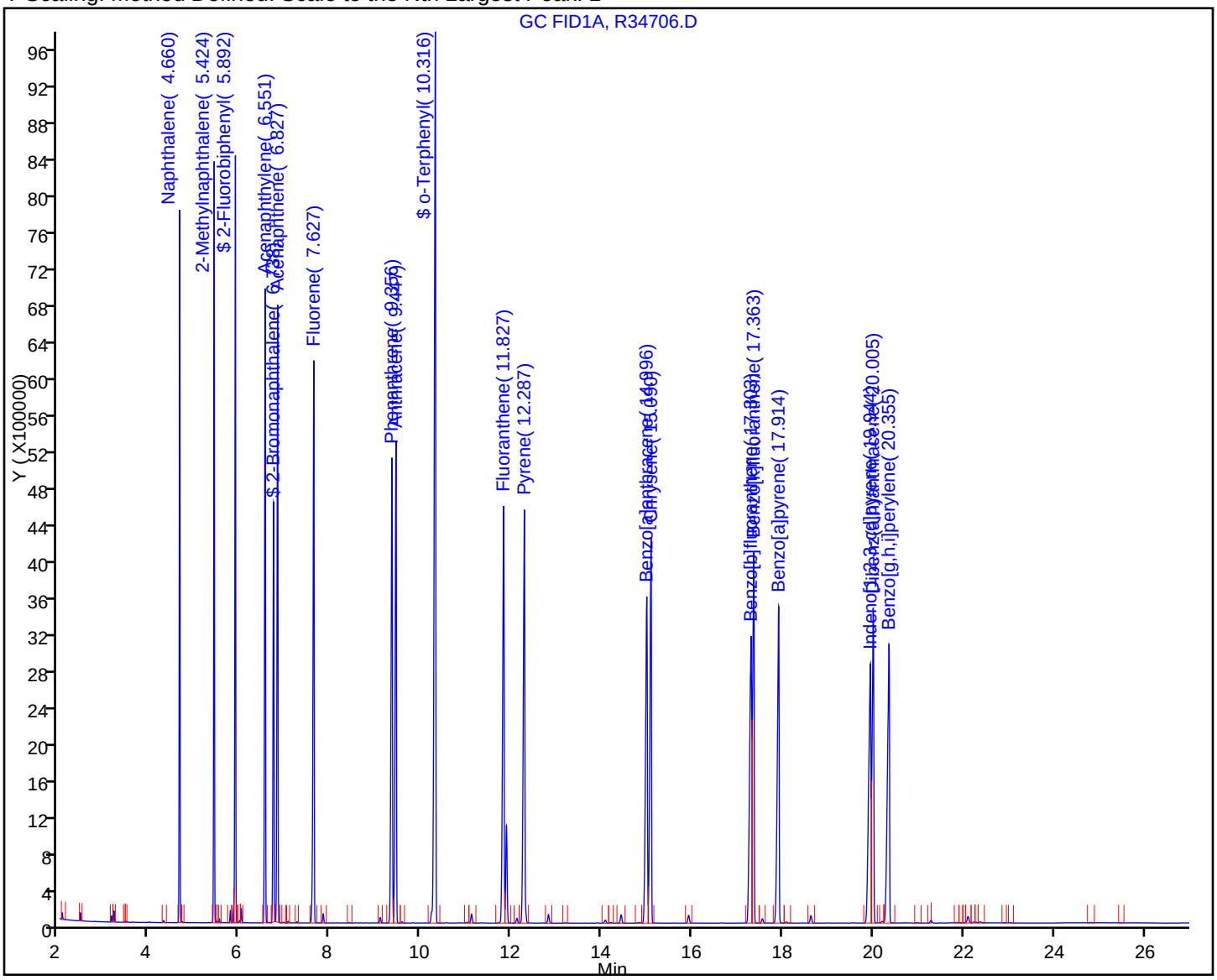
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:03:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34706.D

Injection Date:	15-Dec-2010 14:56:43	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	3
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCS 360-67139/2-A

Matrix: Solid | Lab File ID: R34706.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.00(g) | Date Analyzed: 12/15/2010 14:56

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.: 67201 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	23.8		3.3	3.3
STL00306	C9-C18 Aliphatics	13.2		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	85		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34706.D
Lims ID: LCS 360-67139/2-A Client ID:
Inject. Date: 15-Dec-2010 14:56:43 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 360-67139/2-A
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 67201 Lims Sample ID: 3
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:03:11 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	10515708	48.2	
$ 2 2-Bromonaphthalene						
1	6.738	6.743	-0.005	7035804	48.0	
$ 3 o-Terphenyl						
1	10.316	10.308	0.008	22661627	90.2	
$ 4 1-Chlorooctadecane						
2	13.186	13.180	0.006	12578472	85.0	
5 n-Nonane						
2	2.926	2.930	-0.004	3686232	18.5	
6 n-Decane						
2	3.705	3.709	-0.004	5236731	26.3	
7 Naphthalene						
1	4.660	4.669	-0.009	8954657	34.9	
9 Dodecane						
2	5.238	5.241	-0.003	6565783	33.2	
10 Naphthalene_B						
2	5.178	5.253	-0.075	8610	0.0381	7
LOD = 0.5000						
8 2-Methylnaphthalene						
1	5.424	5.430	-0.006	9532225	38.3	
13 2-Methylnaphthalene_B						
2	6.090	6.083	0.007	66239	0.3001	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.551	6.558	-0.007	10052031	41.2	
15 n-Tetradecane						
2	6.770	6.773	-0.003	7401947	36.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.827	6.835	-0.008	10275274	41.3	
14 Fluorene						
1	7.627	7.633	-0.006	10763852	47.2	
18 Hexadecane						
2	8.569	8.570	-0.001	8077239	42.6	
16 Phenanthrene						
1	9.356	9.363	-0.007	10931595	46.1	
17 Anthracene						
1	9.447	9.453	-0.006	10651280	45.4	
20 n-Octadecane						
2	10.485	10.486	-0.001	8341550	44.8	
22 C19						
2	11.435	11.439	-0.004	8317856	42.3	
19 Fluoranthene						
1	11.827	11.836	-0.009	10739483	46.3	
21 Pyrene						
1	12.287	12.292	-0.005	11016220	46.0	
23 icosane						
2	12.366	12.367	-0.001	7484468	39.9	
27 n-Docosane						
2	14.147	14.149	-0.002	7764380	47.3	
24 Benzo[a]anthracene						
1	14.996	14.997	-0.001	10177295	57.0	
25 Chrysene						
1	15.090	15.093	-0.003	10141478	50.3	
28 n-Tetracosane						
2	15.801	15.806	-0.005	7914945	45.8	
29 Benzo[b]fluoranthene						
1	17.303	17.304	-0.001	10296028	48.8	
32 n-Hexacosane						
2	17.344	17.346	-0.002	8128305	45.7	
30 Benzo[k]fluoranthene						
1	17.363	17.372	-0.009	9676642	48.6	
31 Benzo[a]pyrene						
1	17.914	17.922	-0.008	9610434	43.5	
35 n-Octacosane						
2	18.775	18.781	-0.006	8072612	44.2	
33 Indeno[1,2,3-cd]pyrene						
1	19.944	19.941	0.003	10009225	45.1	
34 Dibenz(a,h)anthracene						
1	20.005	20.012	-0.007	8900795	50.1	
37 Triacontane						
2	20.117	20.119	-0.002	8404869	44.6	
36 Benzo[g,h,i]perylene						
1	20.355	20.355	0.000	9802494	46.1	
38 n-Hexatriacontane						
2	24.115	24.119	-0.004	7160260	39.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		44418040	197.8	
A 40 C11-C22 Aromatics						
1	12.665	4.569 - 20.760		178288245	786.6	
A 41 C19-C36 Aliphatics						
2	17.467	10.585 -24.349		69848167	356.4	

QC Flag Legend

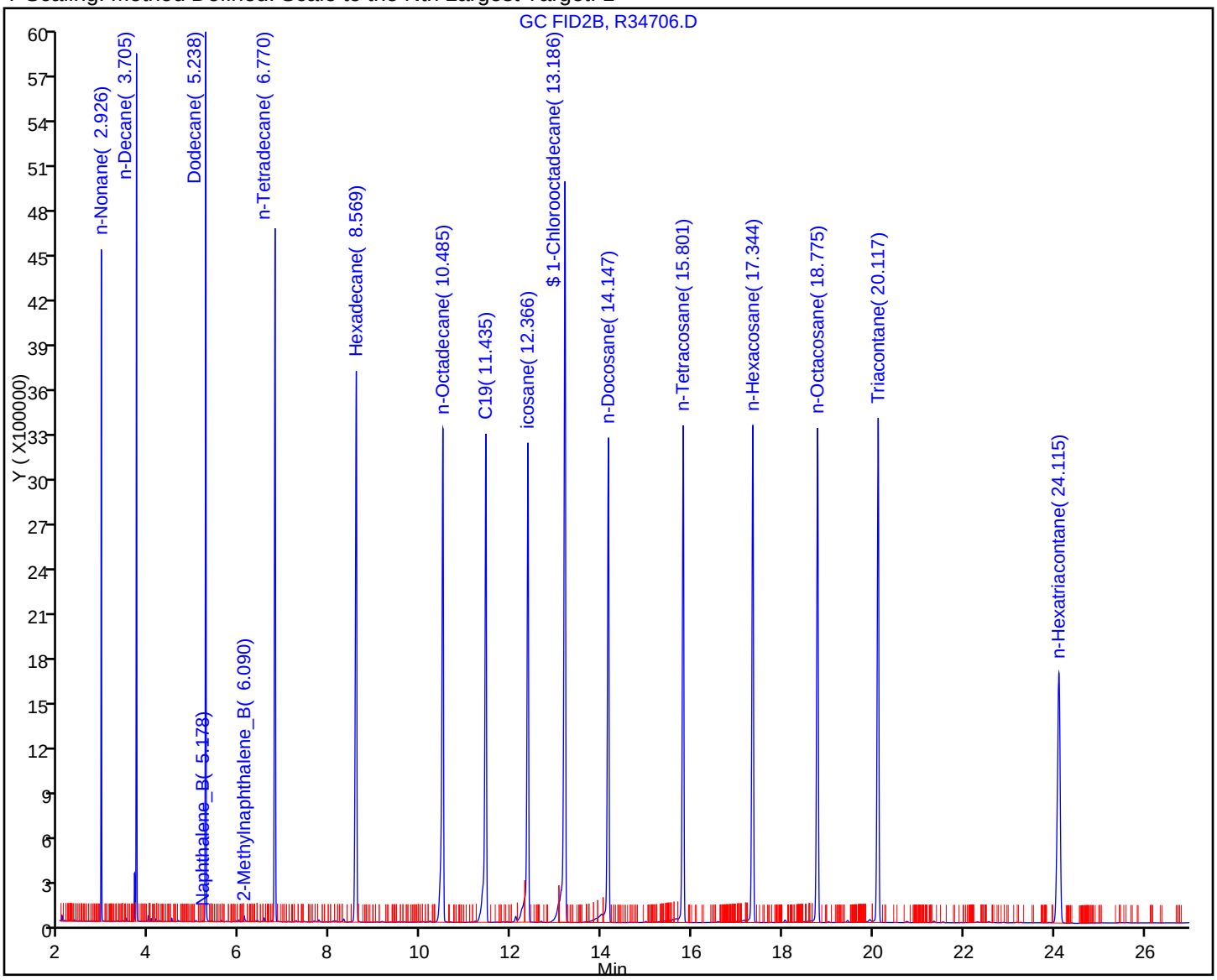
Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:03:23 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34706.D

Injection Date:	15-Dec-2010 14:56:43	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67201	Lims Sample ID:	3
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCSD 360-66997/3-A

Matrix: Solid Lab File ID: R34642.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.00(g) Date Analyzed: 12/10/2010 16:15

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.: 67006 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	48.1		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	77		40-140
321-60-8	2-Fluorobiphenyl	82		40-140
580-13-2	2-Bromonaphthalene	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34642.D		
Lims ID:	LCSD 360-66997/3-A	Client ID:	
Inject. Date:	10-Dec-2010 16:15:19	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-66997/3-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67006	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m		
Last Update:	13-Dec-2010 08:31:08	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:31:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.882	5.885	-0.003	8957782	41.1	
$ 2 2-Bromonaphthalene						
1	6.724	6.728	-0.004	6005623	41.0	
$ 3 o-Terphenyl						
1	10.297	10.290	0.007	19290209	76.7	
$ 4 1-Chlorooctadecane						
2	13.180	13.177	0.003	11435289	77.3	
5 n-Nonane						
2	2.927	2.932	-0.005	3359822	16.9	
6 n-Decane						
2	3.705	3.710	-0.005	5000111	25.1	
7 Naphthalene						
1	4.652	4.658	-0.006	8189188	31.9	
9 Dodecane						
2	5.237	5.241	-0.004	6458037	32.7	
10 Naphthalene_B						
2	5.177	5.253	-0.076	6253	0.0277	7
LOD = 0.5000						
8 2-Methylnaphthalene						
1	5.414	5.420	-0.006	8660227	34.8	
13 2-Methylnaphthalene_B						
2	6.091	6.083	0.008	49728	0.2253	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.539	6.544	-0.005	9064883	37.2	
15 n-Tetradecane						
2	6.768	6.772	-0.004	7342057	35.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.813	6.820	-0.007	9257529	37.2	
14 Fluorene						
1	7.612	7.617	-0.005	9743560	42.7	
18 Hexadecane						
2	8.564	8.568	-0.004	8052332	42.5	
16 Phenanthrene						
1	9.341	9.345	-0.004	9908310	41.8	
17 Anthracene						
1	9.430	9.435	-0.005	9651097	41.2	
20 n-Octadecane						
2	10.480	10.485	-0.005	8410562	45.2	
22 C19						
2	11.432	11.436	-0.004	8372261	42.6	
19 Fluoranthene						
1	11.807	11.813	-0.006	9639798	41.6	
21 Pyrene						
1	12.267	12.271	-0.004	9880640	41.3	
23 icosane						
2	12.362	12.365	-0.003	8238655	43.9	
27 n-Docosane						
2	14.141	14.146	-0.005	7748761	47.2	
24 Benzo[a]anthracene						
1	14.973	14.973	0.000	9141445	51.2	
25 Chrysene						
1	15.066	15.072	-0.006	9155611	45.4	
28 n-Tetracosane						
2	15.799	15.800	-0.001	7708303	44.6	
29 Benzo[b]fluoranthene						
1	17.278	17.280	-0.002	9381764	44.2	
30 Benzo[k]fluoranthene						
1	17.338	17.342	-0.004	8943463	44.9	
32 n-Hexacosane						
2	17.337	17.343	-0.006	7968832	44.8	
31 Benzo[a]pyrene						
1	17.888	17.894	-0.006	8843894	40.0	
35 n-Octacosane						
2	18.771	18.776	-0.005	7966581	43.6	
33 Indeno[1,2,3-cd]pyrene						
1	19.913	19.917	-0.004	9182715	41.4	
34 Dibenz(a,h)anthracene						
1	19.982	19.991	-0.009	8353680	47.0	
37 Triacontane						
2	20.112	20.113	-0.001	8285599	43.9	
36 Benzo[g,h,i]perylene						
1	20.327	20.336	-0.009	8938737	42.0	
38 n-Hexatriacontane						
2	24.098	24.113	-0.015	5464634	30.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.708	2.830 - 10.585		44989525	200.8	
A 40 C11-C22 Aromatics						
1	12.622	4.557 - 20.775		163550988	721.6	
A 41 C19-C36 Aliphatics						
2	17.469	10.585 -24.394		69182462	352.7	

QC Flag Legend

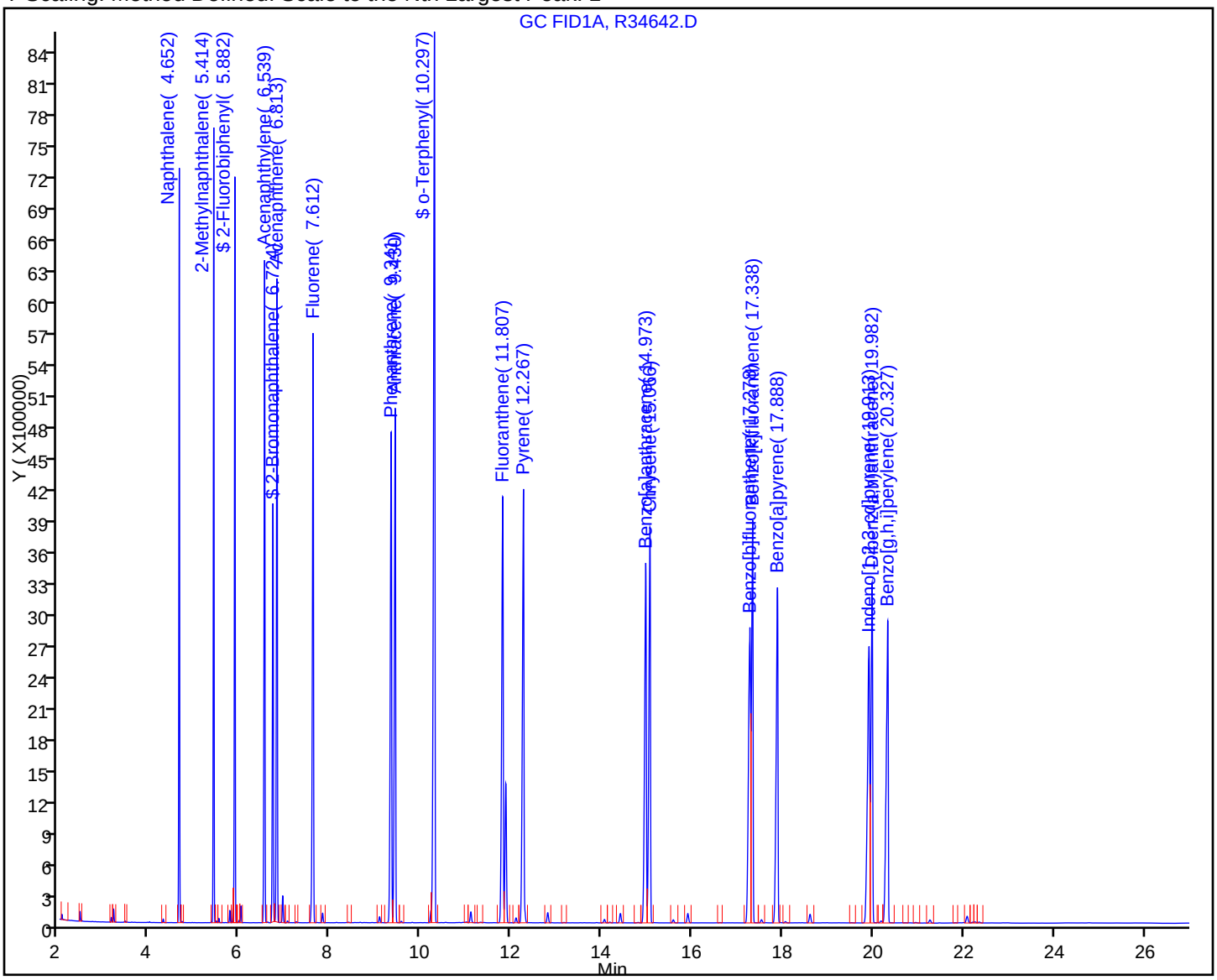
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:31:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34642.D

Injection Date:	10-Dec-2010 16:15:19	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	4
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-66997/3-A

Matrix: Solid | Lab File ID: R34642.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/10/2010 12:34

Sample wt/vol: 30.00(g) | Date Analyzed: 12/10/2010 16:15

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.: 67006 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	23.5		3.3	3.3
STL00306	C9-C18 Aliphatics	13.4		3.3	3.3

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\20101210-4329.b\R34642.D
Lims ID: LCSD 360-66997/3-A Client ID:
Inject. Date: 10-Dec-2010 16:15:19 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 360-66997/3-A
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 67006 Lims Sample ID: 4
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\MAEPH-R.m
Last Update: 13-Dec-2010 08:31:08 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 13-Dec-2010 08:31:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.882	5.885	-0.003	8957782	41.1	
$ 2 2-Bromonaphthalene						
1	6.724	6.728	-0.004	6005623	41.0	
$ 3 o-Terphenyl						
1	10.297	10.290	0.007	19290209	76.7	
$ 4 1-Chlorooctadecane						
2	13.180	13.177	0.003	11435289	77.3	
5 n-Nonane						
2	2.927	2.932	-0.005	3359822	16.9	
6 n-Decane						
2	3.705	3.710	-0.005	5000111	25.1	
7 Naphthalene						
1	4.652	4.658	-0.006	8189188	31.9	
9 Dodecane						
2	5.237	5.241	-0.004	6458037	32.7	
10 Naphthalene_B						
2	5.177	5.253	-0.076	6253	0.0277	7
LOD = 0.5000						
8 2-Methylnaphthalene						
1	5.414	5.420	-0.006	8660227	34.8	
13 2-Methylnaphthalene_B						
2	6.091	6.083	0.008	49728	0.2253	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.539	6.544	-0.005	9064883	37.2	
15 n-Tetradecane						
2	6.768	6.772	-0.004	7342057	35.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.813	6.820	-0.007	9257529	37.2	
14 Fluorene						
1	7.612	7.617	-0.005	9743560	42.7	
18 Hexadecane						
2	8.564	8.568	-0.004	8052332	42.5	
16 Phenanthrene						
1	9.341	9.345	-0.004	9908310	41.8	
17 Anthracene						
1	9.430	9.435	-0.005	9651097	41.2	
20 n-Octadecane						
2	10.480	10.485	-0.005	8410562	45.2	
22 C19						
2	11.432	11.436	-0.004	8372261	42.6	
19 Fluoranthene						
1	11.807	11.813	-0.006	9639798	41.6	
21 Pyrene						
1	12.267	12.271	-0.004	9880640	41.3	
23 icosane						
2	12.362	12.365	-0.003	8238655	43.9	
27 n-Docosane						
2	14.141	14.146	-0.005	7748761	47.2	
24 Benzo[a]anthracene						
1	14.973	14.973	0.000	9141445	51.2	
25 Chrysene						
1	15.066	15.072	-0.006	9155611	45.4	
28 n-Tetracosane						
2	15.799	15.800	-0.001	7708303	44.6	
29 Benzo[b]fluoranthene						
1	17.278	17.280	-0.002	9381764	44.2	
30 Benzo[k]fluoranthene						
1	17.338	17.342	-0.004	8943463	44.9	
32 n-Hexacosane						
2	17.337	17.343	-0.006	7968832	44.8	
31 Benzo[a]pyrene						
1	17.888	17.894	-0.006	8843894	40.0	
35 n-Octacosane						
2	18.771	18.776	-0.005	7966581	43.6	
33 Indeno[1,2,3-cd]pyrene						
1	19.913	19.917	-0.004	9182715	41.4	
34 Dibenz(a,h)anthracene						
1	19.982	19.991	-0.009	8353680	47.0	
37 Triacontane						
2	20.112	20.113	-0.001	8285599	43.9	
36 Benzo[g,h,i]perylene						
1	20.327	20.336	-0.009	8938737	42.0	
38 n-Hexatriacontane						
2	24.098	24.113	-0.015	5464634	30.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.708	2.830 - 10.585		44989525	200.8	
A 40 C11-C22 Aromatics						
1	12.622	4.557 - 20.775		163550988	721.6	
A 41 C19-C36 Aliphatics						
2	17.469	10.585 -24.394		69182462	352.7	

QC Flag Legend

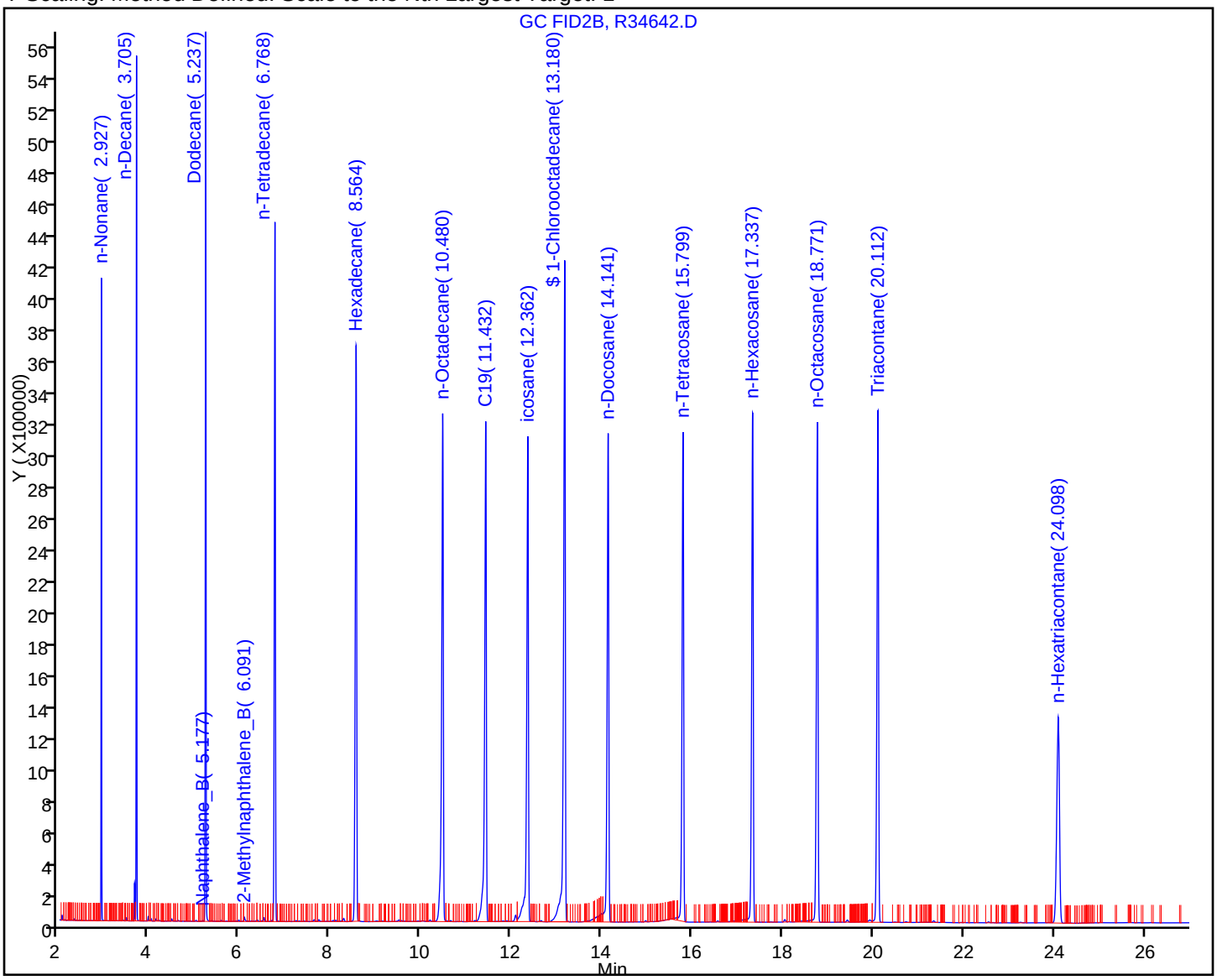
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2010 08:31:08 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101210-4329.b\R34642.D

Injection Date:	10-Dec-2010 16:15:19	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	67006	Lims Sample ID:	4
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67139/3-A

Matrix: Solid | Lab File ID: R34708.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.00(g) | Date Analyzed: 12/15/2010 15:30

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.: 67201 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	45.0		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	76		40-140
321-60-8	2-Fluorobiphenyl	77		40-140
580-13-2	2-Bromonaphthalene	77		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34708.D		
Lims ID:	LCSD 360-67139/3-A	Client ID:	
Inject. Date:	15-Dec-2010 15:30:53	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-67139/3-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67201	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:03:11	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.891	5.897	-0.006	8407569	38.6	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	5649019	38.5	
$ 3 o-Terphenyl						
1	10.313	10.308	0.005	19078286	75.9	
$ 4 1-Chlorooctadecane						
2	13.184	13.180	0.004	12157213	82.2	
5 n-Nonane						
2	2.926	2.930	-0.004	3489779	17.5	
6 n-Decane						
2	3.705	3.709	-0.004	4962915	24.9	
7 Naphthalene						
1	4.659	4.669	-0.010	7658932	29.8	
9 Dodecane						
2	5.237	5.241	-0.004	6166985	31.2	
10 Naphthalene_B						
2	5.178	5.253	-0.075	8983	0.0397	7
LOD =	0.5000					
8 2-Methylnaphthalene						
1	5.423	5.430	-0.007	8113635	32.6	
13 2-Methylnaphthalene_B						
2	6.064	6.083	-0.019	9692	0.0439	7
LOD =	0.5000					
11 Acenaphthylene						
1	6.550	6.558	-0.008	8502054	34.9	
15 n-Tetradecane						
2	6.770	6.773	-0.003	7053103	34.4	

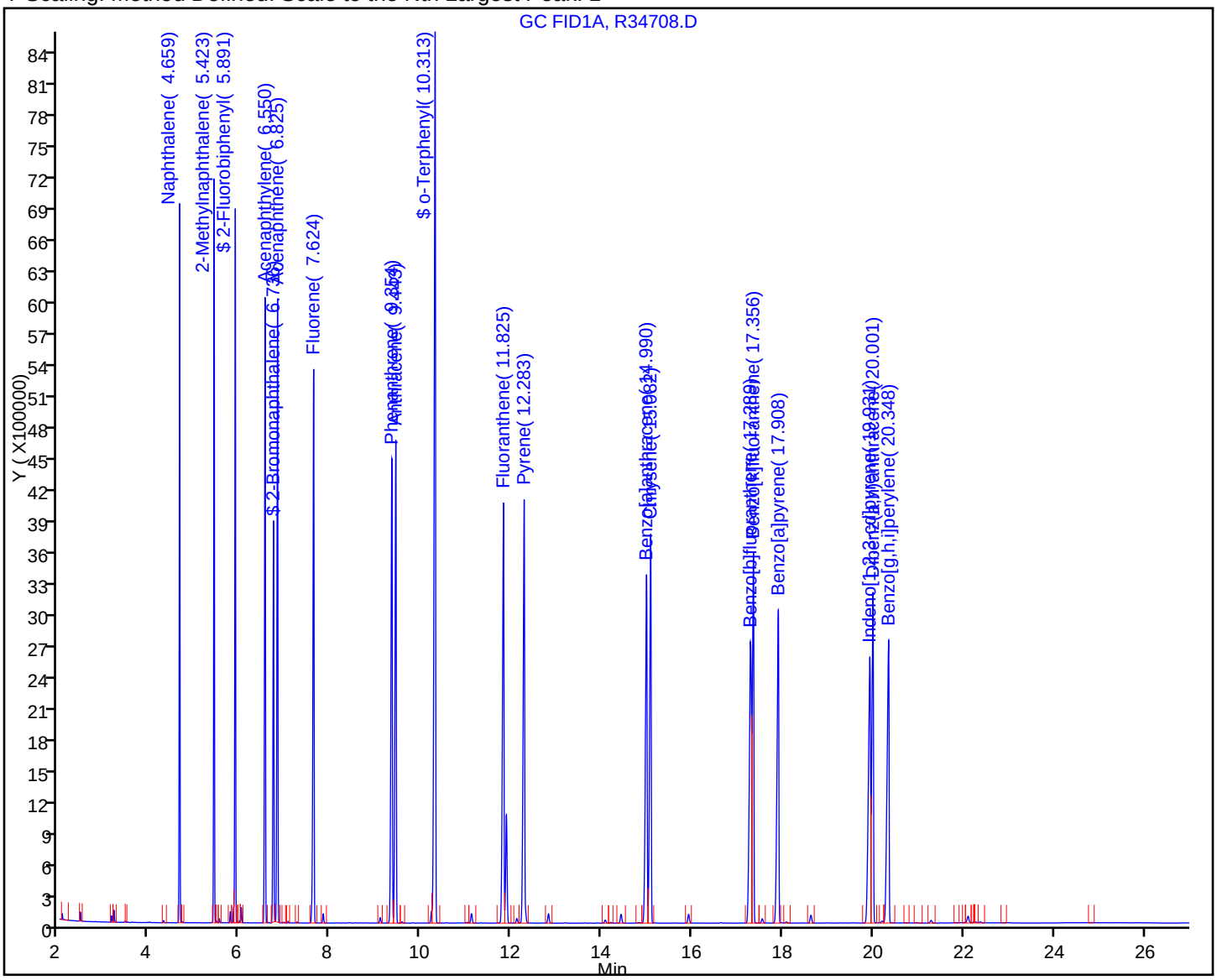
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.825	6.835	-0.010	8718507	35.0	
14 Fluorene						
1	7.624	7.633	-0.009	9153119	40.1	
18 Hexadecane						
2	8.567	8.570	-0.003	7738426	40.8	
16 Phenanthrene						
1	9.354	9.363	-0.009	9341247	39.4	
17 Anthracene						
1	9.443	9.453	-0.010	9092062	38.8	
20 n-Octadecane						
2	10.484	10.486	-0.002	8037980	43.2	
22 C19						
2	11.436	11.439	-0.003	8014952	40.8	
19 Fluoranthene						
1	11.825	11.836	-0.011	9178262	39.6	
21 Pyrene						
1	12.283	12.292	-0.009	9414044	39.3	
23 icosane						
2	12.366	12.367	-0.001	7891588	42.0	
27 n-Docosane						
2	14.144	14.149	-0.005	7486966	45.6	
24 Benzo[a]anthracene						
1	14.990	14.997	-0.007	8682526	48.6	
25 Chrysene						
1	15.082	15.093	-0.011	8670116	43.0	
28 n-Tetracosane						
2	15.800	15.806	-0.006	7496024	43.3	
29 Benzo[b]fluoranthene						
1	17.289	17.304	-0.015	9202032	43.3	
32 n-Hexacosane						
2	17.343	17.346	-0.003	7798014	43.8	
30 Benzo[k]fluoranthene						
1	17.356	17.372	-0.016	7939956	39.8	
31 Benzo[a]pyrene						
1	17.908	17.922	-0.014	8218197	37.2	
35 n-Octacosane						
2	18.774	18.781	-0.007	7742218	42.4	
33 Indeno[1,2,3-cd]pyrene						
1	19.931	19.941	-0.010	8503645	38.3	
34 Dibenz(a,h)anthracene						
1	20.001	20.012	-0.011	7848195	44.2	
37 Triacontane						
2	20.116	20.119	-0.003	8068377	42.8	
36 Benzo[g,h,i]perylene						
1	20.348	20.355	-0.007	8416861	39.6	
38 n-Hexatriacontane						
2	24.118	24.119	-0.001	6694875	37.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		42343478	187.1	
A 40 C11-C22 Aromatics						
1	12.665	4.569 - 20.760		153019093	675.1	
A 41 C19-C36 Aliphatics						
2	17.467	10.585 -24.349		66916153	340.3	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:03:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34708.D
Injection Date: 15-Dec-2010 15:30:53 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67201 Lims Sample ID: 4
Operator ID: SS 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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: | Lab Sample ID: LCSD 360-67139/3-A

Matrix: Solid | Lab File ID: R34708.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.00(g) | Date Analyzed: 12/15/2010 15:30

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.: 67201 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	22.7		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	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34708.D		
Lims ID:	LCSD 360-67139/3-A	Client ID:	
Inject. Date:	15-Dec-2010 15:30:53	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-67139/3-A		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	67201	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:03:11	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:03:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.891	5.897	-0.006	8407569	38.6	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	5649019	38.5	
$ 3 o-Terphenyl						
1	10.313	10.308	0.005	19078286	75.9	
$ 4 1-Chlorooctadecane						
2	13.184	13.180	0.004	12157213	82.2	
5 n-Nonane						
2	2.926	2.930	-0.004	3489779	17.5	
6 n-Decane						
2	3.705	3.709	-0.004	4962915	24.9	
7 Naphthalene						
1	4.659	4.669	-0.010	7658932	29.8	
9 Dodecane						
2	5.237	5.241	-0.004	6166985	31.2	
10 Naphthalene_B						
2	5.178	5.253	-0.075	8983	0.0397	7
LOD =	0.5000					
8 2-Methylnaphthalene						
1	5.423	5.430	-0.007	8113635	32.6	
13 2-Methylnaphthalene_B						
2	6.064	6.083	-0.019	9692	0.0439	7
LOD =	0.5000					
11 Acenaphthylene						
1	6.550	6.558	-0.008	8502054	34.9	
15 n-Tetradecane						
2	6.770	6.773	-0.003	7053103	34.4	

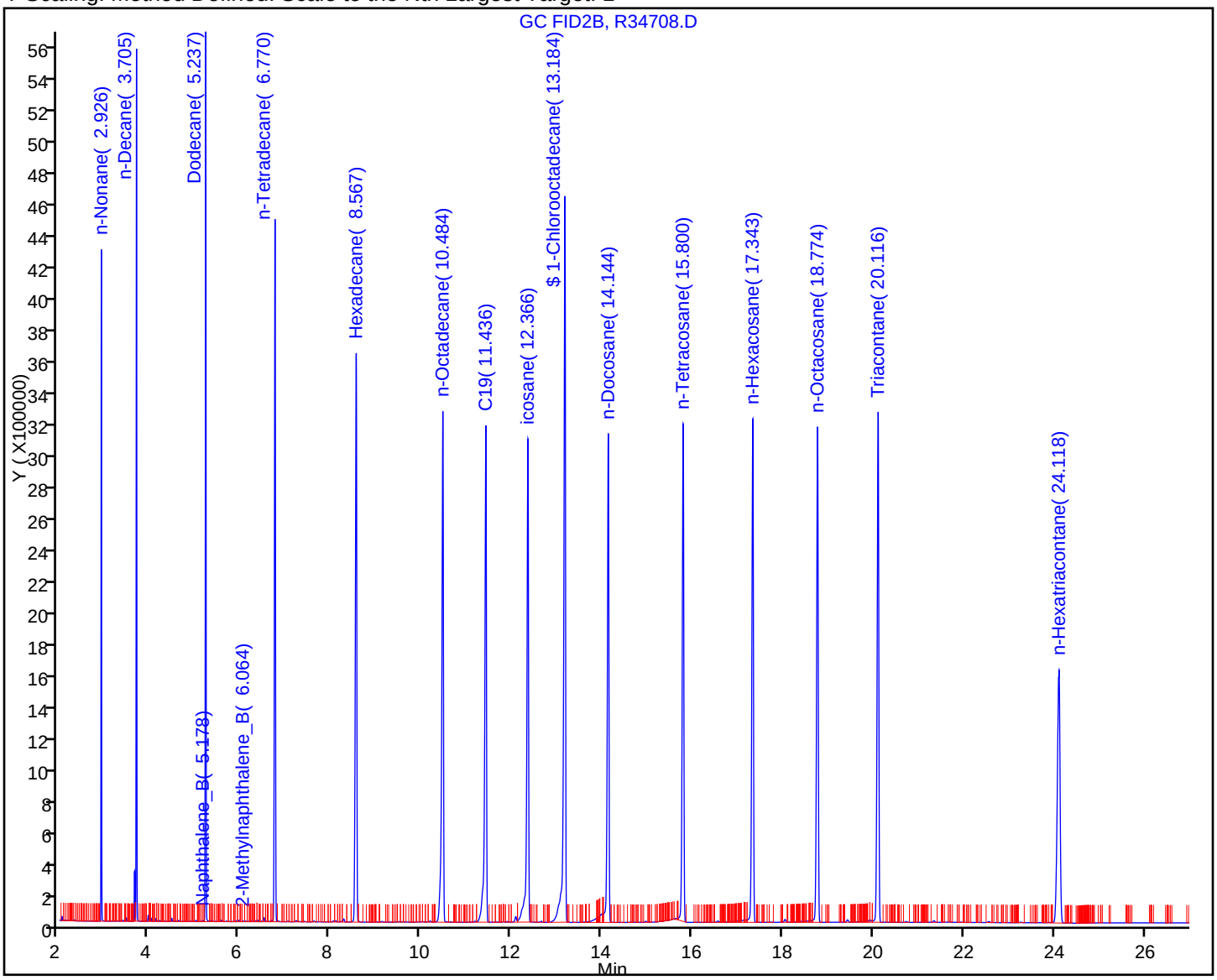
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
12 Acenaphthene						
1	6.825	6.835	-0.010	8718507	35.0	
14 Fluorene						
1	7.624	7.633	-0.009	9153119	40.1	
18 Hexadecane						
2	8.567	8.570	-0.003	7738426	40.8	
16 Phenanthrene						
1	9.354	9.363	-0.009	9341247	39.4	
17 Anthracene						
1	9.443	9.453	-0.010	9092062	38.8	
20 n-Octadecane						
2	10.484	10.486	-0.002	8037980	43.2	
22 C19						
2	11.436	11.439	-0.003	8014952	40.8	
19 Fluoranthene						
1	11.825	11.836	-0.011	9178262	39.6	
21 Pyrene						
1	12.283	12.292	-0.009	9414044	39.3	
23 icosane						
2	12.366	12.367	-0.001	7891588	42.0	
27 n-Docosane						
2	14.144	14.149	-0.005	7486966	45.6	
24 Benzo[a]anthracene						
1	14.990	14.997	-0.007	8682526	48.6	
25 Chrysene						
1	15.082	15.093	-0.011	8670116	43.0	
28 n-Tetracosane						
2	15.800	15.806	-0.006	7496024	43.3	
29 Benzo[b]fluoranthene						
1	17.289	17.304	-0.015	9202032	43.3	
32 n-Hexacosane						
2	17.343	17.346	-0.003	7798014	43.8	
30 Benzo[k]fluoranthene						
1	17.356	17.372	-0.016	7939956	39.8	
31 Benzo[a]pyrene						
1	17.908	17.922	-0.014	8218197	37.2	
35 n-Octacosane						
2	18.774	18.781	-0.007	7742218	42.4	
33 Indeno[1,2,3-cd]pyrene						
1	19.931	19.941	-0.010	8503645	38.3	
34 Dibenz(a,h)anthracene						
1	20.001	20.012	-0.011	7848195	44.2	
37 Triacontane						
2	20.116	20.119	-0.003	8068377	42.8	
36 Benzo[g,h,i]perylene						
1	20.348	20.355	-0.007	8416861	39.6	
38 n-Hexatriacontane						
2	24.118	24.119	-0.001	6694875	37.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		42343478	187.1	
A 40 C11-C22 Aromatics						
1	12.665	4.569 - 20.760		153019093	675.1	
A 41 C19-C36 Aliphatics						
2	17.467	10.585 -24.349		66916153	340.3	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 16-Dec-2010 11:03:27 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34708.D
Injection Date: 15-Dec-2010 15:30:53 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 67201 Lims Sample ID: 4
Operator ID: SS 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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS Lab Sample ID: 360-31465-13 MS

Matrix: Solid Lab File ID: R34752.D

Analysis Method: MA-EPH Date Collected: 12/10/2010 09:00

Extraction Method: 3546 Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.13(g) Date Analyzed: 12/16/2010 04:00

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	70.0		5.5	5.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	62		40-140
321-60-8	2-Fluorobiphenyl	82		40-140
580-13-2	2-Bromonaphthalene	81		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34752.D		
Lims ID:	360-31465-A-13-H MS	Client ID:	OC-SD-SD-SD2-XMS
Inject. Date:	16-Dec-2010 04:00:24	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-31465-A-13-H MS		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	50
Lims Batch ID:	67211	Lims Sample ID:	25
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:22:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	8885399	40.8	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	5935425	40.5	
$ 3 o-Terphenyl						
1	10.310	10.308	0.002	15639457	62.2	
$ 4 1-Chlorooctadecane						
2	13.187	13.180	0.007	11328392	76.5	
5 n-Nonane						
2	2.926	2.930	-0.004	3941354	19.8	
6 n-Decane						
2	3.706	3.709	-0.003	5596359	28.1	
7 Naphthalene						
1	4.661	4.669	-0.008	8104949	31.6	
9 Dodecane						
2	5.238	5.241	-0.003	7050075	35.7	
8 2-Methylnaphthalene						
1	5.424	5.430	-0.006	8265051	33.2	
11 Acenaphthylene						
1	6.551	6.558	-0.007	7673415	31.5	
15 n-Tetradecane						
2	6.770	6.773	-0.003	7643093	37.2	
12 Acenaphthene						
1	6.826	6.835	-0.009	8098663	32.6	
14 Fluorene						
1	7.624	7.633	-0.009	7736582	33.9	
18 Hexadecane						
2	8.567	8.570	-0.003	7862552	41.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
16 Phenanthrene						
1	9.351	9.363	-0.012	7057845	29.8	
17 Anthracene						
1	9.440	9.453	-0.013	6554740	28.0	
20 n-Octadecane						
2	10.484	10.486	-0.002	7876678	42.3	
22 C19						
2	11.436	11.439	-0.003	7800986	39.7	
19 Fluoranthene						
1	11.821	11.836	-0.015	6901761	29.8	
21 Pyrene						
1	12.278	12.292	-0.014	7017722	29.3	
23 icosane						
2	12.366	12.367	-0.001	6832594	36.4	
27 n-Docosane						
2	14.145	14.149	-0.004	6767944	41.2	
24 Benzo[a]anthracene						
1	14.986	14.997	-0.011	6474815	36.2	
25 Chrysene						
1	15.075	15.093	-0.018	6388176	31.7	
28 n-Tetracosane						
2	15.800	15.806	-0.006	7003522	40.5	
29 Benzo[b]fluoranthene						
1	17.290	17.304	-0.014	7248604	33.7	
32 n-Hexacosane						
2	17.341	17.346	-0.005	7363045	41.4	
30 Benzo[k]fluoranthene						
1	17.346	17.372	-0.026	6708978	33.6	
31 Benzo[a]pyrene						
1	17.900	17.922	-0.022	6730774	30.5	
35 n-Octacosane						
2	18.774	18.781	-0.007	7393750	40.4	
33 Indeno[1,2,3-cd]pyrene						
1	19.925	19.941	-0.016	6764212	30.5	
34 Dibenz(a,h)anthracene						
1	19.991	20.012	-0.021	6350319	35.7	
37 Triacontane						
2	20.113	20.119	-0.006	7727909	41.0	
36 Benzo[g,h,i]perylene						M
1	20.337	20.355	-0.018	6070091	28.5	M
38 n-Hexatriacontane						
2	24.109	24.119	-0.010	4465718	24.9	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		43150312	191.3	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		143999637	635.3	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		94645862	492.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
1					161.7	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					845.7	
S 44 EPH Adjustment 1						
1					473.6	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

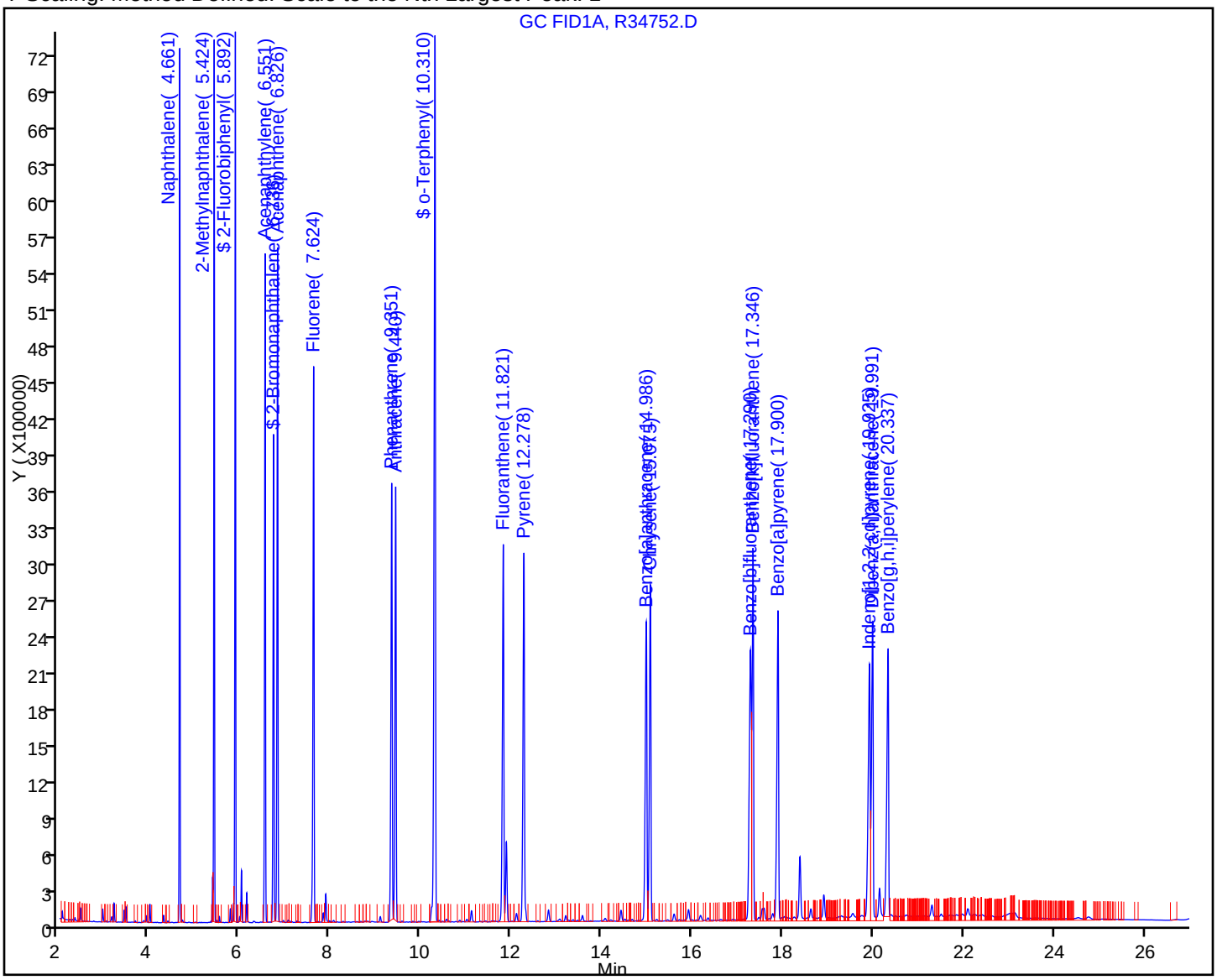
Review Flags
M - Manually Integrated

Report Date: 16-Dec-2010 11:22:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34752.D

Injection Date:	16-Dec-2010 04:00:24	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	25
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS | Lab Sample ID: 360-31465-13 MS

Matrix: Solid | Lab File ID: R34752.D

Analysis Method: MA-EPH | Date Collected: 12/10/2010 09:00

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.13(g) | Date Analyzed: 12/16/2010 04:00

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	17.8		5.5	5.5
STL00087	C19-C36 Aliphatics	54.3		5.5	5.5
STL00306	C9-C18 Aliphatics	21.1		5.5	5.5
STL00362	Total EPH	93.2		5.5	5.5

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\20101215-4367.b\R34752.D		
Lims ID:	360-31465-A-13-H MS	Client ID:	OC-SD-SD-SD2-XMS
Inject. Date:	16-Dec-2010 04:00:24	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-31465-A-13-H MS		
Misc. Info.:			
Operator:	SS	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	50
Lims Batch ID:	67211	Lims Sample ID:	25
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m		
Last Update:	16-Dec-2010 11:11:48	Calib Date:	29-Nov-2010 23:57:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	WES1001		
First Level Reviewer: sadowskis		Date:	16-Dec-2010 11:22:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.892	5.897	-0.005	8885399	40.8	
$ 2 2-Bromonaphthalene						
1	6.736	6.743	-0.007	5935425	40.5	
$ 3 o-Terphenyl						
1	10.310	10.308	0.002	15639457	62.2	
$ 4 1-Chlorooctadecane						
2	13.187	13.180	0.007	11328392	76.5	
5 n-Nonane						
2	2.926	2.930	-0.004	3941354	19.8	
6 n-Decane						
2	3.706	3.709	-0.003	5596359	28.1	
7 Naphthalene						
1	4.661	4.669	-0.008	8104949	31.6	
9 Dodecane						
2	5.238	5.241	-0.003	7050075	35.7	
8 2-Methylnaphthalene						
1	5.424	5.430	-0.006	8265051	33.2	
11 Acenaphthylene						
1	6.551	6.558	-0.007	7673415	31.5	
15 n-Tetradecane						
2	6.770	6.773	-0.003	7643093	37.2	
12 Acenaphthene						
1	6.826	6.835	-0.009	8098663	32.6	
14 Fluorene						
1	7.624	7.633	-0.009	7736582	33.9	
18 Hexadecane						
2	8.567	8.570	-0.003	7862552	41.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
16 Phenanthrene						
1	9.351	9.363	-0.012	7057845	29.8	
17 Anthracene						
1	9.440	9.453	-0.013	6554740	28.0	
20 n-Octadecane						
2	10.484	10.486	-0.002	7876678	42.3	
22 C19						
2	11.436	11.439	-0.003	7800986	39.7	
19 Fluoranthene						
1	11.821	11.836	-0.015	6901761	29.8	
21 Pyrene						
1	12.278	12.292	-0.014	7017722	29.3	
23 icosane						
2	12.366	12.367	-0.001	6832594	36.4	
27 n-Docosane						
2	14.145	14.149	-0.004	6767944	41.2	
24 Benzo[a]anthracene						
1	14.986	14.997	-0.011	6474815	36.2	
25 Chrysene						
1	15.075	15.093	-0.018	6388176	31.7	
28 n-Tetracosane						
2	15.800	15.806	-0.006	7003522	40.5	
29 Benzo[b]fluoranthene						
1	17.290	17.304	-0.014	7248604	33.7	
32 n-Hexacosane						
2	17.341	17.346	-0.005	7363045	41.4	
30 Benzo[k]fluoranthene						
1	17.346	17.372	-0.026	6708978	33.6	
31 Benzo[a]pyrene						
1	17.900	17.922	-0.022	6730774	30.5	
35 n-Octacosane						
2	18.774	18.781	-0.007	7393750	40.4	
33 Indeno[1,2,3-cd]pyrene						
1	19.925	19.941	-0.016	6764212	30.5	
34 Dibenz(a,h)anthracene						
1	19.991	20.012	-0.021	6350319	35.7	
37 Triacontane						
2	20.113	20.119	-0.006	7727909	41.0	
36 Benzo[g,h,i]perylene						M
1	20.337	20.355	-0.018	6070091	28.5	M
38 n-Hexatriacontane						
2	24.109	24.119	-0.010	4465718	24.9	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		43150312	191.3	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		143999637	635.3	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		94645862	492.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
1					161.7	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					845.7	
S 44 EPH Adjustment 1						
1					473.6	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

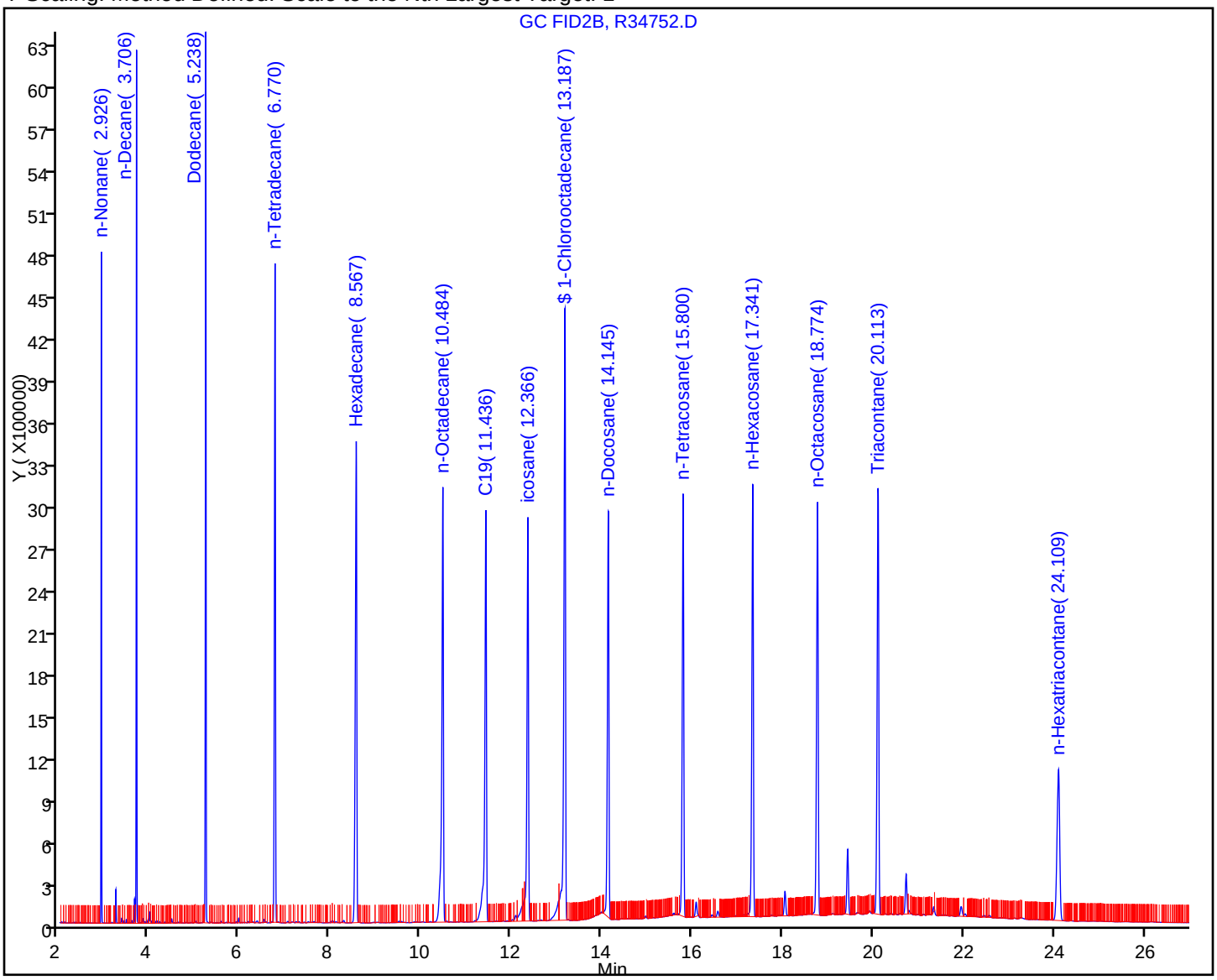
Review Flags
M - Manually Integrated

Report Date: 16-Dec-2010 11:22:09 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34752.D

Injection Date:	16-Dec-2010 04:00:24	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-XMS	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	25
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD | Lab Sample ID: 360-31465-13 MSD

Matrix: Solid | Lab File ID: R34754.D

Analysis Method: MA-EPH | Date Collected: 12/10/2010 09:00

Extraction Method: 3546 | Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.77(g) | Date Analyzed: 12/16/2010 04:34

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 39.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics (unadjusted)	76.4		5.3	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	70		40-140
321-60-8	2-Fluorobiphenyl	84		40-140
580-13-2	2-Bromonaphthalene	84		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34754.D
Lims ID: 360-31465-A-13-I MSD Client ID: OC-SD-SD-SD2-MSD
Inject. Date: 16-Dec-2010 04:34:22 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 360-31465-A-13-I MSD
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 52
Lims Batch ID: 67211 Lims Sample ID: 26
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:11:48 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:23:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.893	5.897	-0.004	9181668	42.1	
$ 2 2-Bromonaphthalene						
1	6.737	6.743	-0.006	6155531	42.0	
$ 3 o-Terphenyl						
1	10.311	10.308	0.003	17549339	69.8	
$ 4 1-Chlorooctadecane						
2	13.181	13.180	0.001	9120532	61.6	
5 n-Nonane						
2	2.926	2.930	-0.004	3313596	16.6	
6 n-Decane						
2	3.705	3.709	-0.004	4726895	23.7	
7 Naphthalene						
1	4.661	4.669	-0.008	8512607	33.1	
9 Dodecane						
2	5.236	5.241	-0.005	6022825	30.5	
8 2-Methylnaphthalene						
1	5.425	5.430	-0.005	8834919	35.5	
11 Acenaphthylene						
1	6.551	6.558	-0.007	8385535	34.4	
15 n-Tetradecane						
2	6.769	6.773	-0.004	6665123	32.5	
12 Acenaphthene						
1	6.827	6.835	-0.008	8943650	35.9	
14 Fluorene						
1	7.625	7.633	-0.008	8565743	37.6	
18 Hexadecane						
2	8.566	8.570	-0.004	6957245	36.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
16 Phenanthrene						
1	9.353	9.363	-0.010	7915439	33.4	
17 Anthracene						
1	9.441	9.453	-0.012	7315278	31.2	
20 n-Octadecane						
2	10.481	10.486	-0.005	6994339	37.6	
22 C19						
2	11.433	11.439	-0.006	6939411	35.3	
19 Fluoranthene						
1	11.821	11.836	-0.015	7536795	32.5	
21 Pyrene						
1	12.279	12.292	-0.013	7611235	31.8	
23 icosane						
2	12.364	12.367	-0.003	6364924	33.9	
27 n-Docosane						
2	14.143	14.149	-0.006	6250861	38.1	
24 Benzo[a]anthracene						
1	14.986	14.997	-0.011	6852912	38.3	
25 Chrysene						
1	15.076	15.093	-0.017	6785978	33.6	
28 n-Tetracosane						
2	15.801	15.806	-0.005	6385911	36.9	
29 Benzo[b]fluoranthene						
1	17.287	17.304	-0.017	7823523	36.5	
32 n-Hexacosane						
2	17.339	17.346	-0.007	6558068	36.8	
30 Benzo[k]fluoranthene						
1	17.351	17.372	-0.021	6930008	34.7	
31 Benzo[a]pyrene						M
1	17.901	17.922	-0.021	6870070	31.1	M
35 n-Octacosane						
2	18.771	18.781	-0.010	6596311	36.1	
33 Indeno[1,2,3-cd]pyrene						M
1	19.924	19.941	-0.017	6658392	30.0	M
34 Dibenz(a,h)anthracene						M
1	19.992	20.012	-0.020	6258372	35.2	M
37 Triacontane						
2	20.113	20.119	-0.006	6897268	36.6	
36 Benzo[g,h,i]perylene						M
1	20.337	20.355	-0.018	6248237	29.4	M
38 n-Hexatriacontane						
2	24.105	24.119	-0.014	4091531	22.8	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		38654856	168.1	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		160471392	708.0	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 - 24.356		93626485	407.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
1					198.9	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					854.3	
S 44 EPH Adjustment 1						
1					509.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

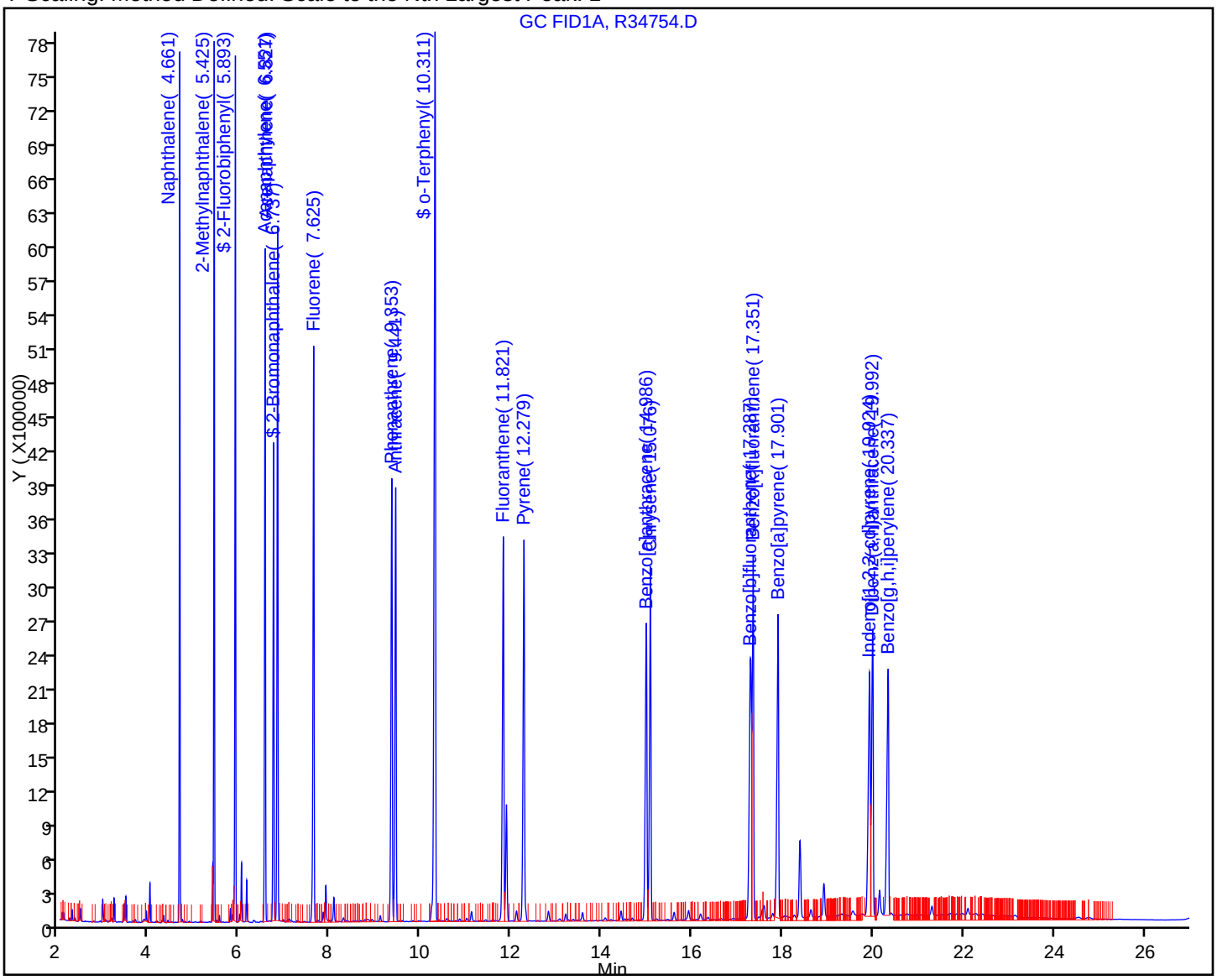
Review Flags
M - Manually Integrated

Report Date: 16-Dec-2010 11:23:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34754.D

Injection Date:	16-Dec-2010 04:34:22	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	26
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD Lab Sample ID: 360-31465-13 MSD

Matrix: Solid Lab File ID: R34754.D

Analysis Method: MA-EPH Date Collected: 12/10/2010 09:00

Extraction Method: 3546 Date Extracted: 12/14/2010 15:57

Sample wt/vol: 30.77(g) Date Analyzed: 12/16/2010 04:34

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 67211 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	21.5		5.3	5.3
STL00087	C19-C36 Aliphatics	52.6		5.3	5.3
STL00306	C9-C18 Aliphatics	18.1		5.3	5.3
STL00362	Total EPH	92.2		5.3	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	62		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34754.D
Lims ID: 360-31465-A-13-I MSD Client ID: OC-SD-SD-SD2-MSD
Inject. Date: 16-Dec-2010 04:34:22 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 360-31465-A-13-I MSD
Misc. Info.:
Operator: SS Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 52
Lims Batch ID: 67211 Lims Sample ID: 26
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\MAEPH-R.m
Last Update: 16-Dec-2010 11:11:48 Calib Date: 29-Nov-2010 23:57:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20101202-4253.b\R34564.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: WES1001

First Level Reviewer: sadowskis Date: 16-Dec-2010 11:23:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.893	5.897	-0.004	9181668	42.1	
$ 2 2-Bromonaphthalene						
1	6.737	6.743	-0.006	6155531	42.0	
$ 3 o-Terphenyl						
1	10.311	10.308	0.003	17549339	69.8	
$ 4 1-Chlorooctadecane						
2	13.181	13.180	0.001	9120532	61.6	
5 n-Nonane						
2	2.926	2.930	-0.004	3313596	16.6	
6 n-Decane						
2	3.705	3.709	-0.004	4726895	23.7	
7 Naphthalene						
1	4.661	4.669	-0.008	8512607	33.1	
9 Dodecane						
2	5.236	5.241	-0.005	6022825	30.5	
8 2-Methylnaphthalene						
1	5.425	5.430	-0.005	8834919	35.5	
11 Acenaphthylene						
1	6.551	6.558	-0.007	8385535	34.4	
15 n-Tetradecane						
2	6.769	6.773	-0.004	6665123	32.5	
12 Acenaphthene						
1	6.827	6.835	-0.008	8943650	35.9	
14 Fluorene						
1	7.625	7.633	-0.008	8565743	37.6	
18 Hexadecane						
2	8.566	8.570	-0.004	6957245	36.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
16 Phenanthrene						
1	9.353	9.363	-0.010	7915439	33.4	
17 Anthracene						
1	9.441	9.453	-0.012	7315278	31.2	
20 n-Octadecane						
2	10.481	10.486	-0.005	6994339	37.6	
22 C19						
2	11.433	11.439	-0.006	6939411	35.3	
19 Fluoranthene						
1	11.821	11.836	-0.015	7536795	32.5	
21 Pyrene						
1	12.279	12.292	-0.013	7611235	31.8	
23 icosane						
2	12.364	12.367	-0.003	6364924	33.9	
27 n-Docosane						
2	14.143	14.149	-0.006	6250861	38.1	
24 Benzo[a]anthracene						
1	14.986	14.997	-0.011	6852912	38.3	
25 Chrysene						
1	15.076	15.093	-0.017	6785978	33.6	
28 n-Tetracosane						
2	15.801	15.806	-0.005	6385911	36.9	
29 Benzo[b]fluoranthene						
1	17.287	17.304	-0.017	7823523	36.5	
32 n-Hexacosane						
2	17.339	17.346	-0.007	6558068	36.8	
30 Benzo[k]fluoranthene						
1	17.351	17.372	-0.021	6930008	34.7	
31 Benzo[a]pyrene						M
1	17.901	17.922	-0.021	6870070	31.1	M
35 n-Octacosane						
2	18.771	18.781	-0.010	6596311	36.1	
33 Indeno[1,2,3-cd]pyrene						M
1	19.924	19.941	-0.017	6658392	30.0	M
34 Dibenz(a,h)anthracene						M
1	19.992	20.012	-0.020	6258372	35.2	M
37 Triacontane						
2	20.113	20.119	-0.006	6897268	36.6	
36 Benzo[g,h,i]perylene						M
1	20.337	20.355	-0.018	6248237	29.4	M
38 n-Hexatriacontane						
2	24.105	24.119	-0.014	4091531	22.8	
A 39 C9-C18 Aliphatics						
2	6.707	2.829 - 10.585		38654856	168.1	
A 40 C11-C22 Aromatics						
1	12.644	4.568 - 20.720		160471392	708.0	
A 41 C19-C36 Aliphatics						
2	17.471	10.585 -24.356		93626485	407.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
1					198.9	7
2					0	
LOD = 0.5000						
S 43 Total EPH						
1					854.3	
S 44 EPH Adjustment 1						
1					509.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

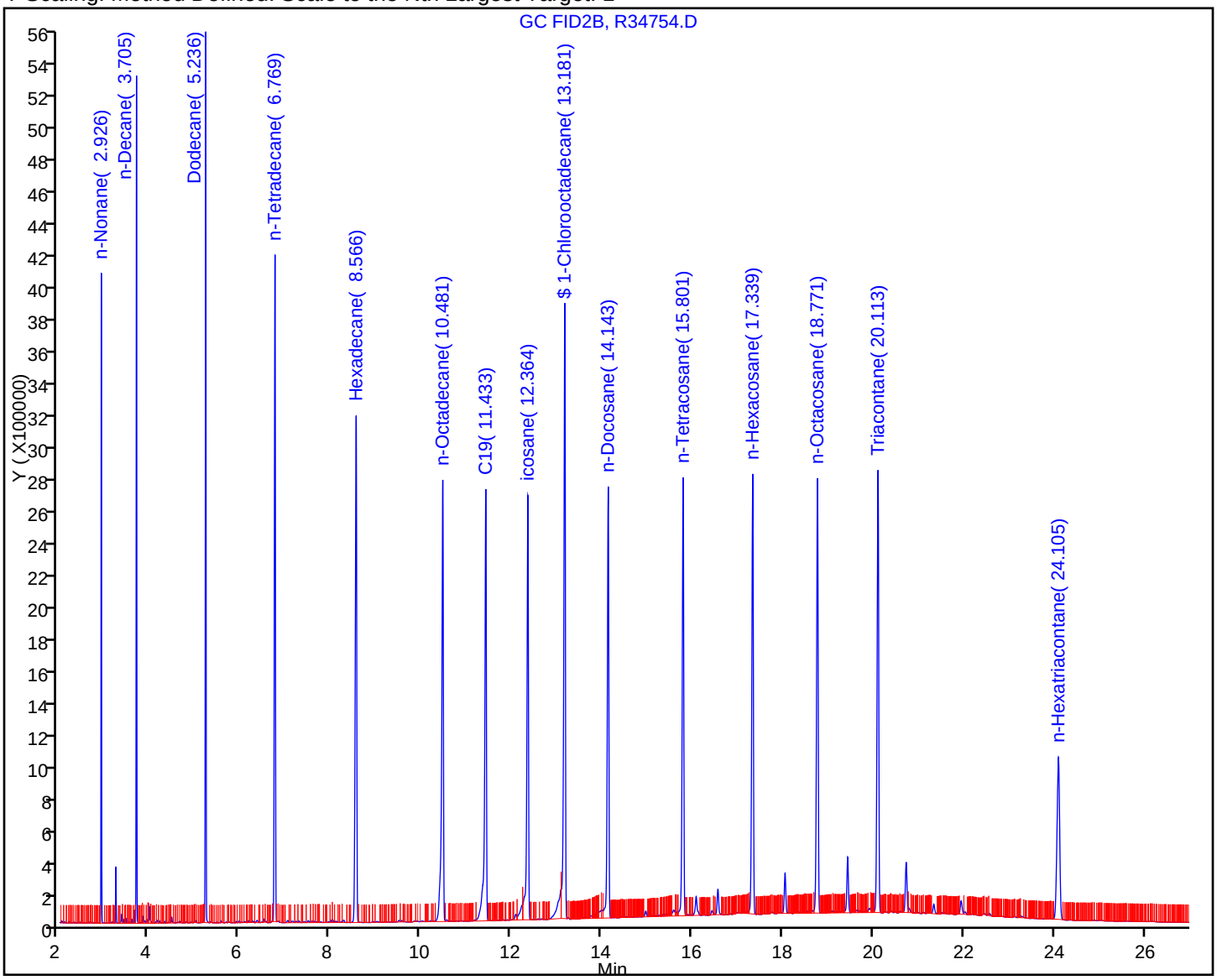
Review Flags
M - Manually Integrated

Report Date: 16-Dec-2010 11:23:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\wessvr06\chromdata\INSTR.i\20101215-4367.b\R34754.D

Injection Date:	16-Dec-2010 04:34:22	Limit Group:	GC MA EPH
Client ID:	OC-SD-SD-SD2-MSD	Instrument ID:	INST R
Lims Batch ID:	67211	Lims Sample ID:	26
Operator ID:	SS	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.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 11/29/2010 16:31

Analysis Batch Number: 66573 End Date: 11/29/2010 23:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD50 360-66573/1 IC		11/29/2010 16:31	1	R34538.D	RTX-5 0.25(mm)
STD50 360-66573/1 IC		11/29/2010 16:31	1	R34538.D	RTX-5 0.25(mm)
STD01 360-66573/2 IC		11/29/2010 17:39	1	R34542.D	RTX-5 0.25(mm)
STD01 360-66573/2 IC		11/29/2010 17:39	1	R34542.D	RTX-5 0.25(mm)
STD05 360-66573/3 IC		11/29/2010 18:13	1	R34544.D	RTX-5 0.25(mm)
STD05 360-66573/3 IC		11/29/2010 18:13	1	R34544.D	RTX-5 0.25(mm)
STD1 360-66573/4 IC		11/29/2010 18:48	1	R34546.D	RTX-5 0.25(mm)
STD1 360-66573/4 IC		11/29/2010 18:48	1	R34546.D	RTX-5 0.25(mm)
STD5 360-66573/5 IC		11/29/2010 19:22	1	R34548.D	RTX-5 0.25(mm)
STD5 360-66573/5 IC		11/29/2010 19:22	1	R34548.D	RTX-5 0.25(mm)
STD10 360-66573/6 IC		11/29/2010 19:56	1	R34550.D	RTX-5 0.25(mm)
STD10 360-66573/6 IC		11/29/2010 19:56	1	R34550.D	RTX-5 0.25(mm)
STD25 360-66573/7 IC		11/29/2010 20:31	1	R34552.D	RTX-5 0.25(mm)
STD25 360-66573/7 IC		11/29/2010 20:31	1	R34552.D	RTX-5 0.25(mm)
STD100 360-66573/8 IC		11/29/2010 21:05	1	R34554.D	RTX-5 0.25(mm)
STD100 360-66573/8 IC		11/29/2010 21:05	1	R34554.D	RTX-5 0.25(mm)
STD200 360-66573/9 IC		11/29/2010 21:39	1	R34556.D	RTX-5 0.25(mm)
STD200 360-66573/9 IC		11/29/2010 21:39	1	R34556.D	RTX-5 0.25(mm)
ICV 360-66573/10		11/29/2010 22:14	1		RTX-5 0.25(mm)
ICV 360-66573/10		11/29/2010 22:14	1		RTX-5 0.25(mm)
STD1 360-66573/11 IC		11/29/2010 22:48	1		RTX-5 0.25(mm)
STD5 360-66573/12 IC		11/29/2010 23:23	1		RTX-5 0.25(mm)
STD10 360-66573/13 IC		11/29/2010 23:57	1		RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 12/10/2010 14:21

Analysis Batch Number: 67006 End Date: 12/10/2010 17:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-67006/1		12/10/2010 14:21	1	R34636.D	RTX-5 0.25(mm)
CCVRT 360-67006/1		12/10/2010 14:21	1	R34636.D	RTX-5 0.25(mm)
MB 360-66997/1-A		12/10/2010 15:07	1	R34638.D	RTX-5 0.25(mm)
MB 360-66997/1-A		12/10/2010 15:07	1	R34638.D	RTX-5 0.25(mm)
LCS 360-66997/2-A		12/10/2010 15:41	1	R34640.D	RTX-5 0.25(mm)
LCS 360-66997/2-A		12/10/2010 15:41	1	R34640.D	RTX-5 0.25(mm)
LCSD 360-66997/3-A		12/10/2010 16:15	1	R34642.D	RTX-5 0.25(mm)
LCSD 360-66997/3-A		12/10/2010 16:15	1	R34642.D	RTX-5 0.25(mm)
ZZZZZ		12/10/2010 16:49	1		RTX-5 0.25(mm)
ZZZZZ		12/10/2010 16:49	1		RTX-5 0.25(mm)
CCV 360-67006/6		12/10/2010 17:57	1	R34648.D	RTX-5 0.25(mm)
CCV 360-67006/6		12/10/2010 17:57	1	R34648.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 12/13/2010 10:21

Analysis Batch Number: 67050 End Date: 12/13/2010 17:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-67050/1		12/13/2010 10:21	1	R34652.D	RTX-5 0.25(mm)
CCVRT 360-67050/1		12/13/2010 10:21	1	R34652.D	RTX-5 0.25(mm)
ZZZZZ		12/13/2010 11:39	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2010 11:39	1		RTX-5 0.25(mm)
360-31465-7	OC-SD-SDSW-E-XXX	12/13/2010 16:47	1	R34672.D	RTX-5 0.25(mm)
360-31465-7	OC-SD-SDSW-E-XXX	12/13/2010 16:47	1	R34672.D	RTX-5 0.25(mm)
CCV 360-67050/14		12/13/2010 17:56	1	R34676.D	RTX-5 0.25(mm)
CCV 360-67050/14		12/13/2010 17:56	1	R34676.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 12/13/2010 17:56

Analysis Batch Number: 67110 End Date: 12/14/2010 15:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 360-67110/14		12/13/2010 17:56	1	R34676.D	RTX-5 0.25(mm)
CCV 360-67110/14		12/13/2010 17:56	1	R34676.D	RTX-5 0.25(mm)
ZZZZZ		12/14/2010 10:03	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 10:03	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 10:37	50		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 10:37	50		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 11:12	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 11:12	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 11:46	50		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 11:46	50		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 12:21	10		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 12:21	10		RTX-5 0.25(mm)
360-31465-6	OC-SD-SD-SD3-XXX	12/14/2010 13:30	1	R34690.D	RTX-5 0.25(mm)
360-31465-6	OC-SD-SD-SD3-XXX	12/14/2010 13:30	1	R34690.D	RTX-5 0.25(mm)
ZZZZZ		12/14/2010 14:04	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 14:04	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 14:39	2		RTX-5 0.25(mm)
ZZZZZ		12/14/2010 14:39	2		RTX-5 0.25(mm)
CCV 360-67110/24		12/14/2010 15:47	1	R34698.D	RTX-5 0.25(mm)
CCV 360-67110/24		12/14/2010 15:47	1	R34698.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 12/15/2010 13:19

Analysis Batch Number: 67201 End Date: 12/15/2010 22:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-67201/1		12/15/2010 13:19	1	R34702.D	RTX-5 0.25(mm)
CCVRT 360-67201/1		12/15/2010 13:19	1	R34702.D	RTX-5 0.25(mm)
MB 360-67139/1-A		12/15/2010 14:22	1	R34704.D	RTX-5 0.25(mm)
MB 360-67139/1-A		12/15/2010 14:22	1	R34704.D	RTX-5 0.25(mm)
LCS 360-67139/2-A		12/15/2010 14:56	1	R34706.D	RTX-5 0.25(mm)
LCS 360-67139/2-A		12/15/2010 14:56	1	R34706.D	RTX-5 0.25(mm)
LCSD 360-67139/3-A		12/15/2010 15:30	1	R34708.D	RTX-5 0.25(mm)
LCSD 360-67139/3-A		12/15/2010 15:30	1	R34708.D	RTX-5 0.25(mm)
ZZZZZ		12/15/2010 16:04	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 16:04	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 16:39	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 16:39	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 17:13	2		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 17:13	2		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 17:47	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 17:47	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 18:21	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 18:21	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 18:55	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 18:55	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 19:29	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 19:29	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 20:03	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 20:03	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 20:36	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 20:36	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 21:10	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 21:10	1		RTX-5 0.25(mm)
CCVRT 360-67201/15		12/15/2010 22:18	1	R34732.D	RTX-5 0.25(mm)
CCVRT 360-67201/15		12/15/2010 22:18	1	R34732.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 12/15/2010 22:18

Analysis Batch Number: 67211 End Date: 12/16/2010 05:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-67211/15		12/15/2010 22:18	1	R34732.D	RTX-5 0.25(mm)
CCVRT 360-67211/15		12/15/2010 22:18	1	R34732.D	RTX-5 0.25(mm)
ZZZZZ		12/15/2010 22:53	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 22:53	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 23:27	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 23:27	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 00:01	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 00:01	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 00:35	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 00:35	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 01:09	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 01:09	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 01:43	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 01:43	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 02:18	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 02:18	1		RTX-5 0.25(mm)
360-31465-12	OC-SD-SD-SD2-DUP	12/16/2010 02:52	1	R34748.D	RTX-5 0.25(mm)
360-31465-12	OC-SD-SD-SD2-DUP	12/16/2010 02:52	1	R34748.D	RTX-5 0.25(mm)
360-31465-13	OC-SD-SD-SD2-XXX	12/16/2010 03:26	1	R34750.D	RTX-5 0.25(mm)
360-31465-13	OC-SD-SD-SD2-XXX	12/16/2010 03:26	1	R34750.D	RTX-5 0.25(mm)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/16/2010 04:00	1	R34752.D	RTX-5 0.25(mm)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/16/2010 04:00	1	R34752.D	RTX-5 0.25(mm)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/16/2010 04:34	1	R34754.D	RTX-5 0.25(mm)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/16/2010 04:34	1	R34754.D	RTX-5 0.25(mm)
CCV 360-67211/27		12/16/2010 05:42	1	R34758.D	RTX-5 0.25(mm)
CCV 360-67211/27		12/16/2010 05:42	1	R34758.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: INST R Start Date: 12/21/2010 09:18

Analysis Batch Number: 67453 End Date: 12/21/2010 12:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-67453/1		12/21/2010 09:18	1	R34892.D	RTX-5 0.25(mm)
CCVRT 360-67453/1		12/21/2010 09:18	1	R34892.D	RTX-5 0.25(mm)
ZZZZZ		12/21/2010 10:03	5		RTX-5 0.25(mm)
ZZZZZ		12/21/2010 10:03	5		RTX-5 0.25(mm)
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 10:37	2	R34896.D	RTX-5 0.25(mm)
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 10:37	2	R34896.D	RTX-5 0.25(mm)
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 11:12	20	R34898.D	RTX-5 0.25(mm)
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 11:12	20	R34898.D	RTX-5 0.25(mm)
CCVRT 360-67453/5		12/21/2010 12:21	1	R34902.D	RTX-5 0.25(mm)
CCVRT 360-67453/5		12/21/2010 12:21	1	R34902.D	RTX-5 0.25(mm)

EPH SAMPLE INFORMATION DATA

SAMPLE INFORMATION

ICV (Date/Time)	11/29/2010 22:14	Frac Check Lot #	10181002CB
LCS-% Naphthalene Breakthrough =	<1%	Date Analyzed:	12/10/2010
LCS-% 2-Methylnaphthalene Breakthrough =	<1%	Date Analyzed:	12/10/2010
LCS-% Naphthalene Breakthrough =	<1%	Date Analyzed:	12/10/2010
LCS-% 2-Methylnaphthalene Breakthrough =	<1%	Date Analyzed:	12/10/2010

Sample ID: **31465-6** Batch# **67110**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: **31465-7** Batch# **67050**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: **31465-1** Batch# **67453**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: **31465.5** Batch# **67453**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: Batch#

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA 014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NYDOH 10843

TestAmerica Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

EPH SAMPLE INFORMATION DATA

SAMPLE INFORMATION

ICV (Date/Time)	11/29/2010 22:14	Frac Check Lot #	10181002CB
LCS-% Naphthalene Breakthrough =	<1%	Date Analyzed:	12/15/2010
LCS-% 2-Methylnaphthalene Breakthrough =	<1%	Date Analyzed:	12/15/2010
LCS-% Naphthalene Breakthrough =	<1%	Date Analyzed:	12/15/2010
LCS-% 2-Methylnaphthalene Breakthrough =	<1%	Date Analyzed:	12/15/2010

Sample ID: **31465-12** Batch# **67211**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: **31465-13** Batch# **67211**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: **31465-13ms** Batch# **67211**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

Sample ID: **31465-13msd** Batch# **67211**

Matrix	☐	Aqueous	☒	Soil	☐	Sediment	☐	Other
Containers	☒	Satisfactory	☐	Broken	☐	Leaking		
Aqueous Preservatives	☐	N/A	☐	pH<2	☐	pH>2	Comment:	
Temperature	☒	Received on Ice	☐	Received at 4°C ±2°C	☒	Other:	see c/n	
Extraction Method	Water:				Soil/Sediment:		3546	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA 014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NYDOH 10843

TestAmerica Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

Organic Prep Worksheet

Batch Number: 360-66997
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Dec 10 2010 12:34PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	OP-cod/otp_00100	OP-EPH Mat_00192
MB~360-66997/1		3546, MA-EPH		30.00 g	2.0 mL	1.0 mL	
LCS~360-66997/2		3546, MA-EPH		30.00 g	2.0 mL	1.0 mL	.500 mL
LCSD~360-66997/3		3546, MA-EPH		30.00 g	2.0 mL	1.0 mL	.500 mL
360-31463-A-1			T	30.20 g	2.0 mL	1.0 mL	
360-31463-A-3			T	30.32 g	2.0 mL	1.0 mL	
360-31463-A-4			T	30.65 g	2.0 mL	1.0 mL	
360-31463-A-5			T	30.25 g	2.0 mL	1.0 mL	
360-31463-A-6			T	30.82 g	2.0 mL	1.0 mL	
360-31463-A-7			T	30.30 g	2.0 mL	1.0 mL	
360-31359-A-2			T	30.63 g	2.0 mL	1.0 mL	
360-31463-A-5~MS			T	30.22 g	2.0 mL	1.0 mL	.500 mL
360-31463-A-5~MSD			T	30.06 g	2.0 mL	1.0 mL	.500 mL
360-31465-A-1	OC-SD-ISCO-2-XXX	3546, MA-EPH	T	30.63 g	2.0 mL	1.0 mL	
360-31465-A-5	OC-SD-SD-1-XXX		T	30.76 g	2.0 mL	1.0 mL	
360-31465-A-6	OC-SD-SD-SD3-XXX	3546, MA-EPH	T	30.24 g	2.0 mL	1.0 mL	
360-31465-A-7	OC-SD-SDSW-E-XXX	3546, MA-EPH	T	30.18 g	2.0 mL	1.0 mL	

Organic Prep Worksheet

Batch Number: 360-66997
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Dec 10 2010 12:34PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-66997/1		3546, MA-EPH		
LCS~360-66997/2		3546, MA-EPH		
LCSD~360-66997/3		3546, MA-EPH		
360-31463-A-1			T	
360-31463-A-3			T	
360-31463-A-4			T	
360-31463-A-5			T	
360-31463-A-6			T	
360-31463-A-7			T	
360-31359-A-2			T	RX
360-31463-A-5~MS			T	
360-31463-A-5~MSD			T	
360-31465-A-1	OC-SD-ISCO-2-XXX	3546, MA-EPH	T	
360-31465-A-5	OC-SD-SD-1-XXX		T	
360-31465-A-6	OC-SD-SD-SD3-XXX	3546, MA-EPH	T	
360-31465-A-7	OC-SD-SDSW-E-XXX	3546, MA-EPH	T	

Organic Prep Worksheet

Batch Number: 360-67127
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Dec 14 2010 12:38PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	OP-cod/otp_00100	OP-EPH Mat_00192
MB~360-67127/1				30.00 g	2.0 mL	1.0 mL	
LCS~360-67127/2				30.00 g	2.0 mL	1.0 mL	.500 mL
LCSD~360-67127/3				30.00 g	2.0 mL	1.0 mL	.500 mL
360-31505-A-1			T	30.49 g	2.0 mL	1.0 mL	
360-31505-A-2			T	30.15 g	2.0 mL	1.0 mL	
360-31505-A-4			T	16.06 g	2.0 mL	1.0 mL	
360-31505-A-5			T	30.10 g	2.0 mL	1.0 mL	
360-31505-A-8			T	30.25 g	2.0 mL	1.0 mL	
360-31505-A-9			T	30.03 g	2.0 mL	1.0 mL	
360-31505-A-10			T	30.10 g	2.0 mL	1.0 mL	
360-31505-A-11			T	30.26 g	2.0 mL	1.0 mL	
360-31505-A-12			T	30.15 g	2.0 mL	1.0 mL	
360-31505-A-13			T	30.09 g	2.0 mL	1.0 mL	
360-31505-A-14			T	30.42 g	2.0 mL	1.0 mL	
360-31486-A-1			T	30.01 g	2.0 mL	1.0 mL	
360-31486-A-2			T	30.21 g	2.0 mL	1.0 mL	
360-31486-A-3			T	30.52 g	2.0 mL	1.0 mL	
360-31491-A-1			T	30.45 g	2.0 mL	1.0 mL	
360-31491-A-2			T	30.37 g	2.0 mL	1.0 mL	
360-31491-A-3			T	30.07 g	2.0 mL	1.0 mL	
360-31491-A-4			T	30.76 g	2.0 mL	1.0 mL	
360-31491-A-5			T	30.58 g	2.0 mL	1.0 mL	
360-31465-A-5	OC-SD-SD-1-XXX	3546, MA-EPH	T	30.82 g	2.0 mL	1.0 mL	

Organic Prep Worksheet

Batch Number: 360-67127
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Dec 14 2010 12:38PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-67127/1				
LCS~360-67127/2				
LCSD~360-67127/3				
360-31505-A-1			T	
360-31505-A-2			T	
360-31505-A-4			T	limited sample volume
360-31505-A-5			T	
360-31505-A-8			T	
360-31505-A-9			T	
360-31505-A-10			T	
360-31505-A-11			T	
360-31505-A-12			T	
360-31505-A-13			T	
360-31505-A-14			T	
360-31486-A-1			T	
360-31486-A-2			T	
360-31486-A-3			T	
360-31491-A-1			T	
360-31491-A-2			T	
360-31491-A-3			T	
360-31491-A-4			T	
360-31491-A-5			T	
360-31465-A-5	OC-SD-SD-1-XXX	3546, MA-EPH	T	RX

Organic Prep Worksheet

Batch Number: 360-67139
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Dec 14 2010 3:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	OP-cod/otp_00100	OP-EPH Mat_00192
MB~360-67139/1		3546, MA-EPH		30.00 g	2.0 mL	1.0 mL	
LCS~360-67139/2		3546, MA-EPH		30.00 g	2.0 mL	1.0 mL	.500 mL
LCSD~360-67139/3		3546, MA-EPH		30.00 g	2.0 mL	1.0 mL	.500 mL
360-31484-A-1			T	30.35 g	2.0 mL	1.0 mL	
360-31484-A-2			T	30.92 g	2.0 mL	1.0 mL	
360-31511-A-1			T	30.10 g	2.0 mL	1.0 mL	
360-31511-A-2			T	30.17 g	2.0 mL	1.0 mL	
360-31511-A-3			T	30.44 g	2.0 mL	1.0 mL	
360-31511-A-5			T	30.41 g	2.0 mL	1.0 mL	
360-31511-A-6			T	30.10 g	2.0 mL	1.0 mL	
360-31511-A-7			T	30.28 g	2.0 mL	1.0 mL	
360-31511-A-8			T	30.30 g	2.0 mL	1.0 mL	
360-31511-A-9			T	30.51 g	2.0 mL	1.0 mL	
360-31521-A-1			T	30.43 g	2.0 mL	1.0 mL	
360-31521-A-2			T	30.35 g	2.0 mL	1.0 mL	
360-31521-A-3			T	30.83 g	2.0 mL	1.0 mL	
360-31521-A-4			T	30.57 g	2.0 mL	1.0 mL	
360-31521-A-5			T	30.44 g	2.0 mL	1.0 mL	
360-31521-A-6			T	30.39 g	2.0 mL	1.0 mL	
360-31521-A-7			T	30.62 g	2.0 mL	1.0 mL	
360-31465-A-12	OC-SD-SD-SD2-DUP	3546, MA-EPH	T	30.47 g	2.0 mL	1.0 mL	
360-31465-A-13	OC-SD-SD-SD2-XXX	3546, MA-EPH	T	30.56 g	2.0 mL	1.0 mL	
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	3546, MA-EPH	T	30.13 g	2.0 mL	1.0 mL	.500 mL
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	3546, MA-EPH	T	30.77 g	2.0 mL	1.0 mL	.500 mL

Organic Prep Worksheet

Batch Number: 360-67139
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Dec 14 2010 3:57PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-67139/1		3546, MA-EPH		
LCS~360-67139/2		3546, MA-EPH		
LCSD~360-67139/3		3546, MA-EPH		
360-31484-A-1			T	
360-31484-A-2			T	
360-31511-A-1			T	diesel smell
360-31511-A-2			T	
360-31511-A-3			T	
360-31511-A-5			T	
360-31511-A-6			T	
360-31511-A-7			T	
360-31511-A-8			T	
360-31511-A-9			T	
360-31521-A-1			T	
360-31521-A-2			T	
360-31521-A-3			T	
360-31521-A-4			T	
360-31521-A-5			T	
360-31521-A-6			T	
360-31521-A-7			T	
360-31465-A-12	OC-SD-SD-SD2-DUP	3546, MA-EPH	T	wet
360-31465-A-13	OC-SD-SD-SD2-XXX	3546, MA-EPH	T	wet
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	3546, MA-EPH	T	wet
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	3546, MA-EPH	T	wet

Method 8315

Carbonyl Compounds (HPLC) by Method 8315

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L16M4.d

Lab ID: LCS 640-75807/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Formaldehyde	750	698	93	71-122	
Acetaldehyde	750	689	92	61-131	

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L16M5.d

Lab ID: LCSD 640-75807/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	750	742	99	6	30	71-122	
Acetaldehyde	750	712	95	3	30	61-131	

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L16M14.d

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Formaldehyde	1200	980	1410	36	31-131	
Acetaldehyde	1200	76 J	379	25	30-130	F

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L16M15.d

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	1240	1600	49	12	30	31-131	
Acetaldehyde	1240	432	29	13	30	30-130	F

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab File ID: 1L16M3.d Lab Sample ID: MB 640-75807/1-A

Matrix: Solid Date Extracted: 12/15/2010 07:40

Instrument ID: LCM Date Analyzed: 12/16/2010 08:35

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-75807/2-A	1L16M4.d	12/16/2010 08:47
	LCSD 640-75807/3-A	1L16M5.d	12/16/2010 08:59
OC-SD-ISCO-2-XXX	360-31465-1	1L16M6.d	12/16/2010 09:11
OC-SD-SD-1-XXX	360-31465-5	1L16M7.d	12/16/2010 09:22
OC-SD-SD-SD3-XXX	360-31465-6	1L16M8.d	12/16/2010 09:34
OC-SD-SDSW-E-XXX	360-31465-7	1L16M9.d	12/16/2010 09:46
OC-SD-OPWD-1-XXX	360-31465-9	1L16M10.d	12/16/2010 09:58
OC-SD-OPWD-2-XXX	360-31465-10	1L16M11.d	12/16/2010 10:10
OC-SD-SD-SD2-DUP	360-31465-12	1L16M12.d	12/16/2010 10:21
OC-SD-SD-SD2-XXX	360-31465-13	1L16M13.d	12/16/2010 10:33
OC-SD-SD-SD2-XXX MS	360-31465-13 MS	1L16M14.d	12/16/2010 10:45
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD	1L16M15.d	12/16/2010 10:57

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID: 1L16M6.d

Analysis Method: 8315A Date Collected: 12/09/2010 12:00

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.6(g) Date Analyzed: 12/16/2010 09:11

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 47.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	600		190	150
75-07-0	Acetaldehyde	63	J	370	54

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M6.d
Lab Smp Id: 360-31465-M-1-A Client Smp ID: OC-SD-ISCO-2-XXX
Inj Date : 16-DEC-2010 09:11
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-M-1-A
Misc Info : 360-31465-M-1-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.600	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.083	3.083	0.000	36173	1.61547	314	
2 Acetaldehyde	4.066	4.066	0.000	1769	0.16844	32.7(a)	

QC Flag Legend

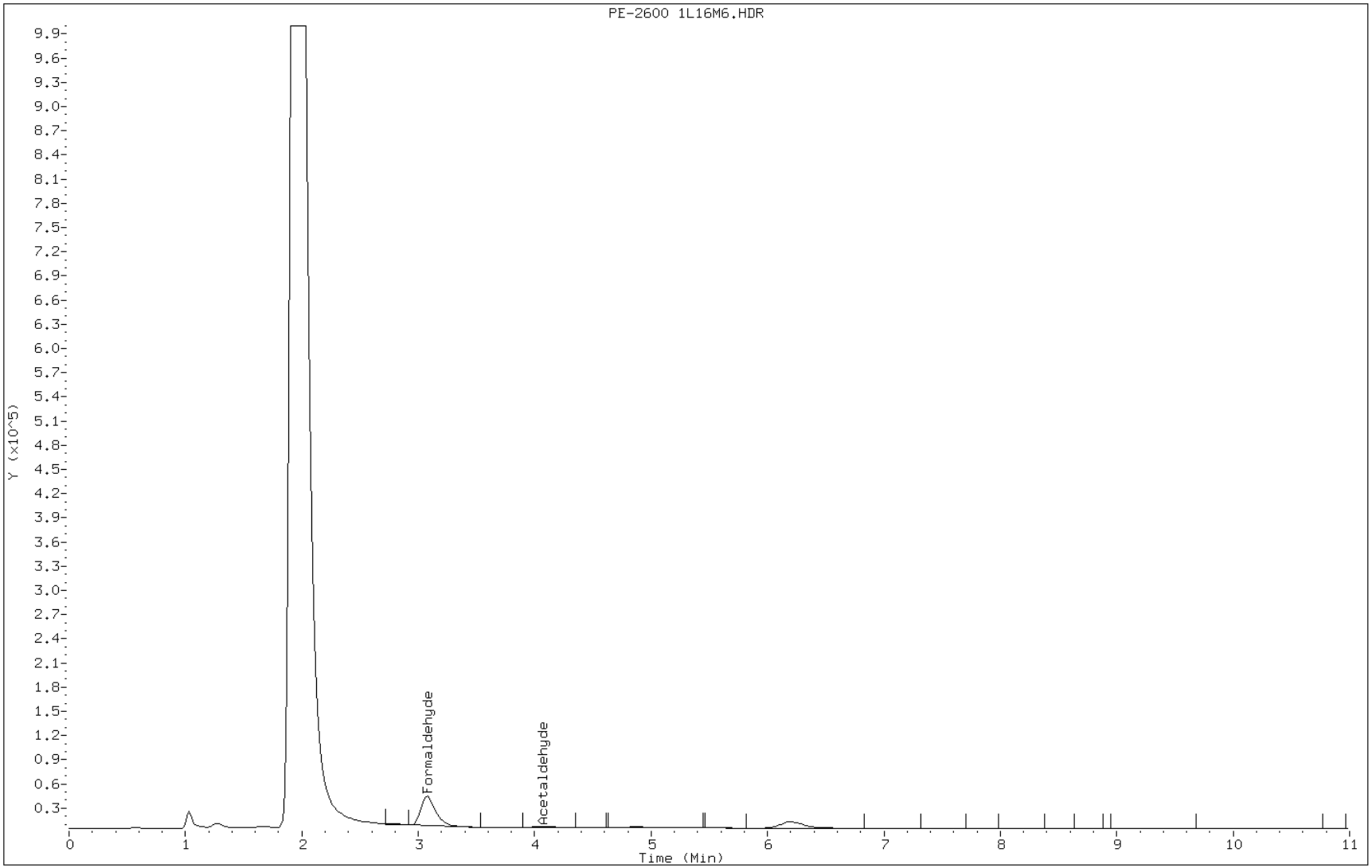
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 1L16M6.d

Date: 16-DEC-2010 09:11

Client ID: OC-SD-ISCO-2-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-M-1-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: 1L16M7.d

Analysis Method: 8315A Date Collected: 12/09/2010 13:15

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.9(g) Date Analyzed: 12/16/2010 09:22

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 42.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	270		170	130
75-07-0	Acetaldehyde	ND		330	49

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M7.d
Lab Smp Id: 360-31465-E-5-A Client Smp ID: OC-SD-SD-1-XXX
Inj Date : 16-DEC-2010 09:22
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-E-5-A
Misc Info : 360-31465-E-5-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.900	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

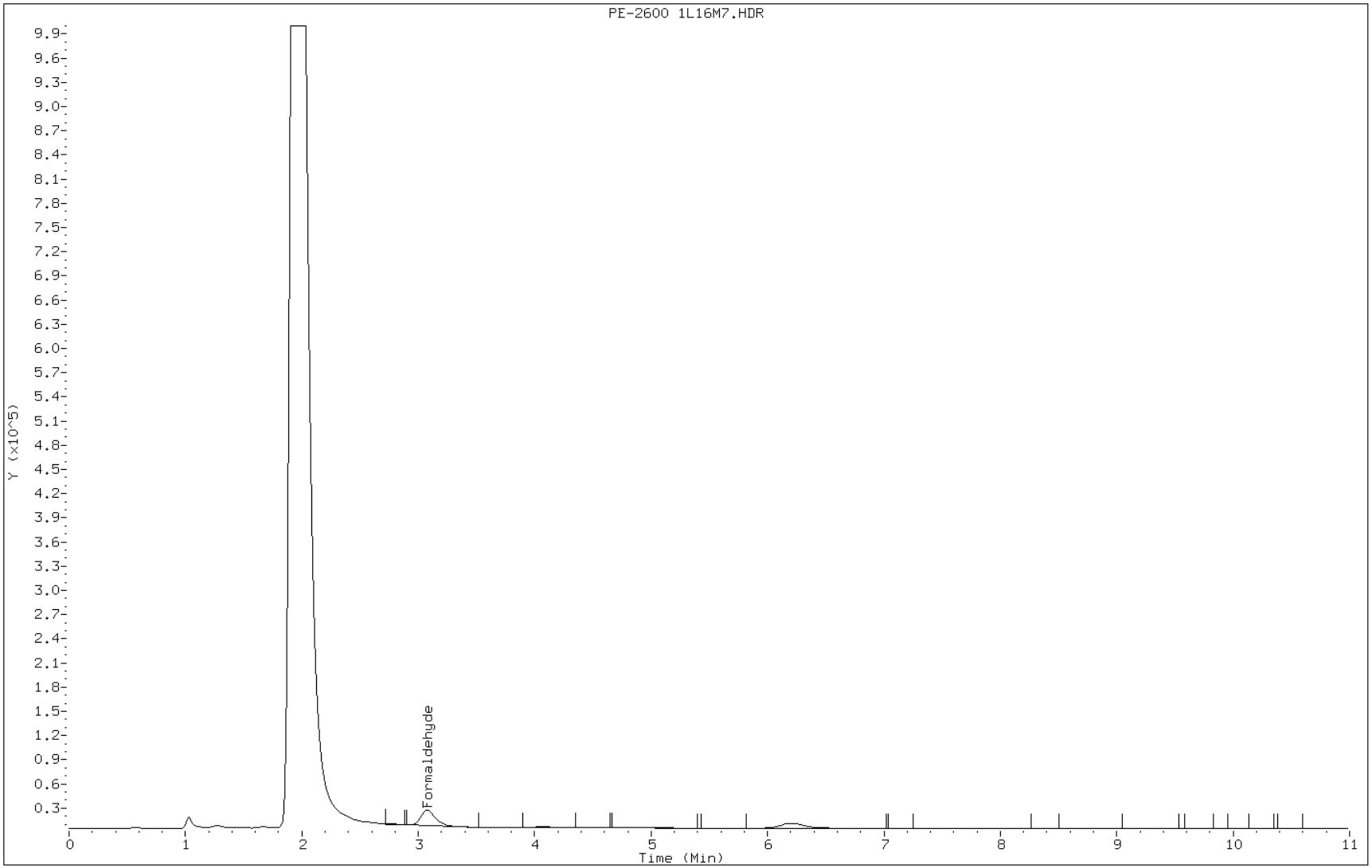
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.083	3.083	0.000	19090	0.81417	156	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1L16M7.d

Date: 16-DEC-2010 09:22

Client ID: OC-SD-SD-1-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-E-5-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX Lab Sample ID: 360-31465-6

Matrix: Solid Lab File ID: 1L16M8.d

Analysis Method: 8315A Date Collected: 12/09/2010 15:45

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.2(g) Date Analyzed: 12/16/2010 09:34

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 24.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	580		130	100
75-07-0	Acetaldehyde	52	J	260	38

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M8.d
Lab Smp Id: 360-31465-E-6-A Client Smp ID: OC-SD-SD-SD3-XXX
Inj Date : 16-DEC-2010 09:34
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-E-6-A
Misc Info : 360-31465-E-6-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.200	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/Kg)	REVIEW CODE
1 Formaldehyde	3.083	3.083	0.000	48448	2.19125	434	
2 Acetaldehyde	4.066	4.066	0.000	2067	0.19682	39.0(a)	

QC Flag Legend

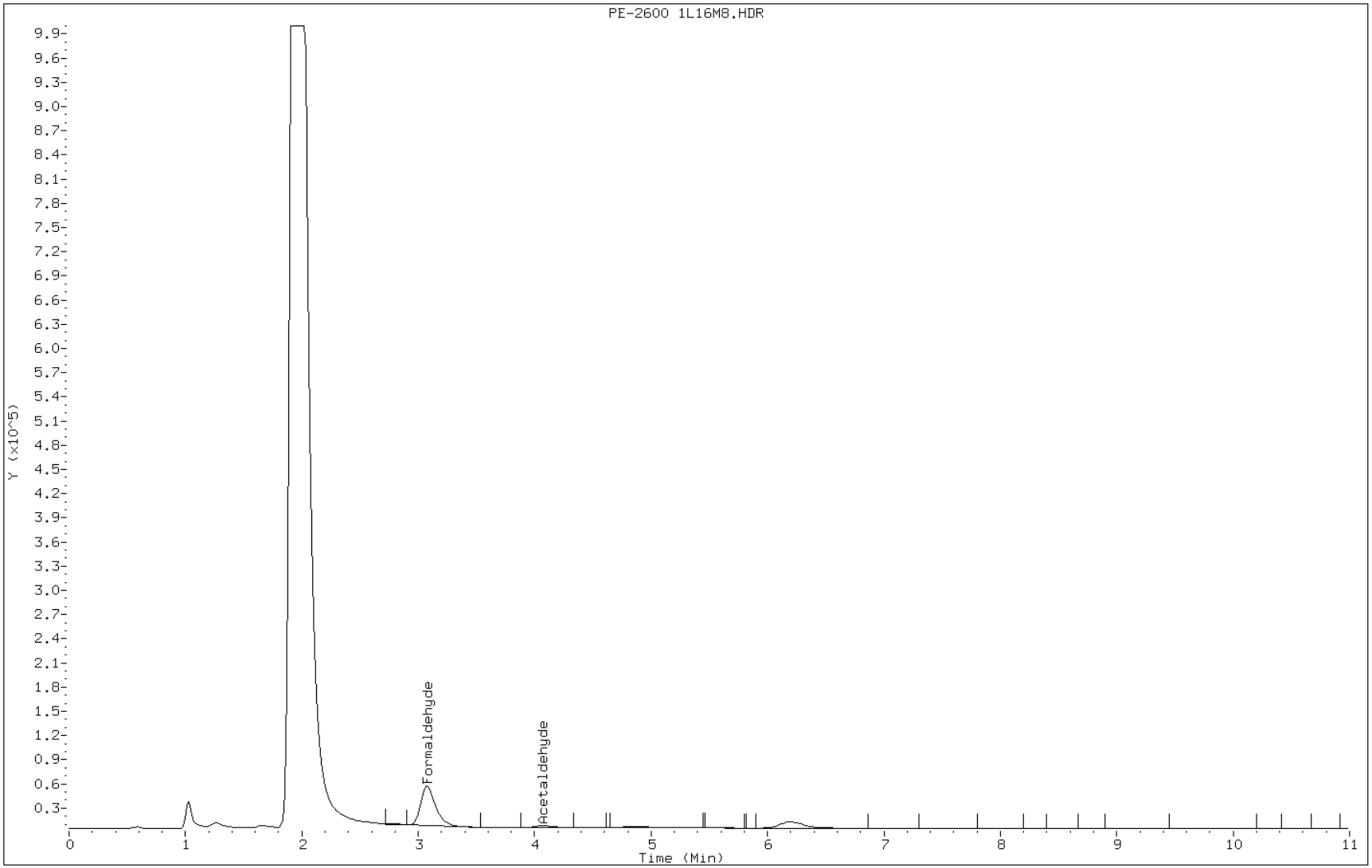
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 1L16M8.d

Date: 16-DEC-2010 09:34

Client ID: OC-SD-SD-SD3-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-E-6-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: 1L16M9.d

Analysis Method: 8315A Date Collected: 12/09/2010 14:40

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 09:46

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 22.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	330		130	100
75-07-0	Acetaldehyde	ND		260	37

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M9.d
Lab Smp Id: 360-31465-F-7-A Client Smp ID: OC-SD-SDSW-E-XXX
Inj Date : 16-DEC-2010 09:46
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-F-7-A
Misc Info : 360-31465-F-7-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

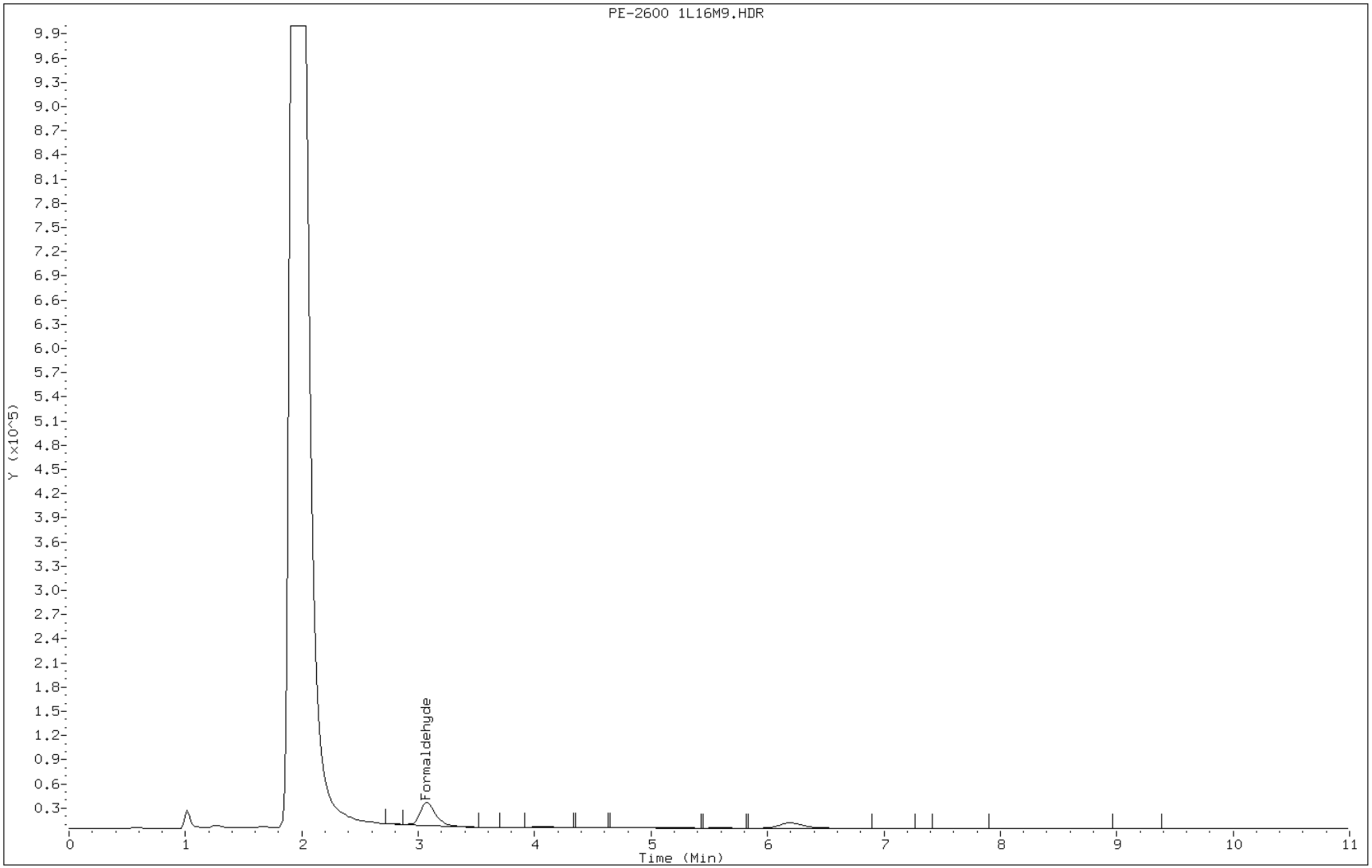
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	28704	1.26513	253	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1L16M9.d

Date: 16-DEC-2010 09:46

Client ID: OC-SD-SDSW-E-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-F-7-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-1-XXX Lab Sample ID: 360-31465-9

Matrix: Solid Lab File ID: 1L16M10.d

Analysis Method: 8315A Date Collected: 12/10/2010 13:15

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.5(g) Date Analyzed: 12/16/2010 09:58

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 42.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	400		170	130
75-07-0	Acetaldehyde	ND		340	49

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M10.d
Lab Smp Id: 360-31465-J-9-A Client Smp ID: OC-SD-OPWD-1-XXX
Inj Date : 16-DEC-2010 09:58
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-J-9-A
Misc Info : 360-31465-J-9-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.500	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

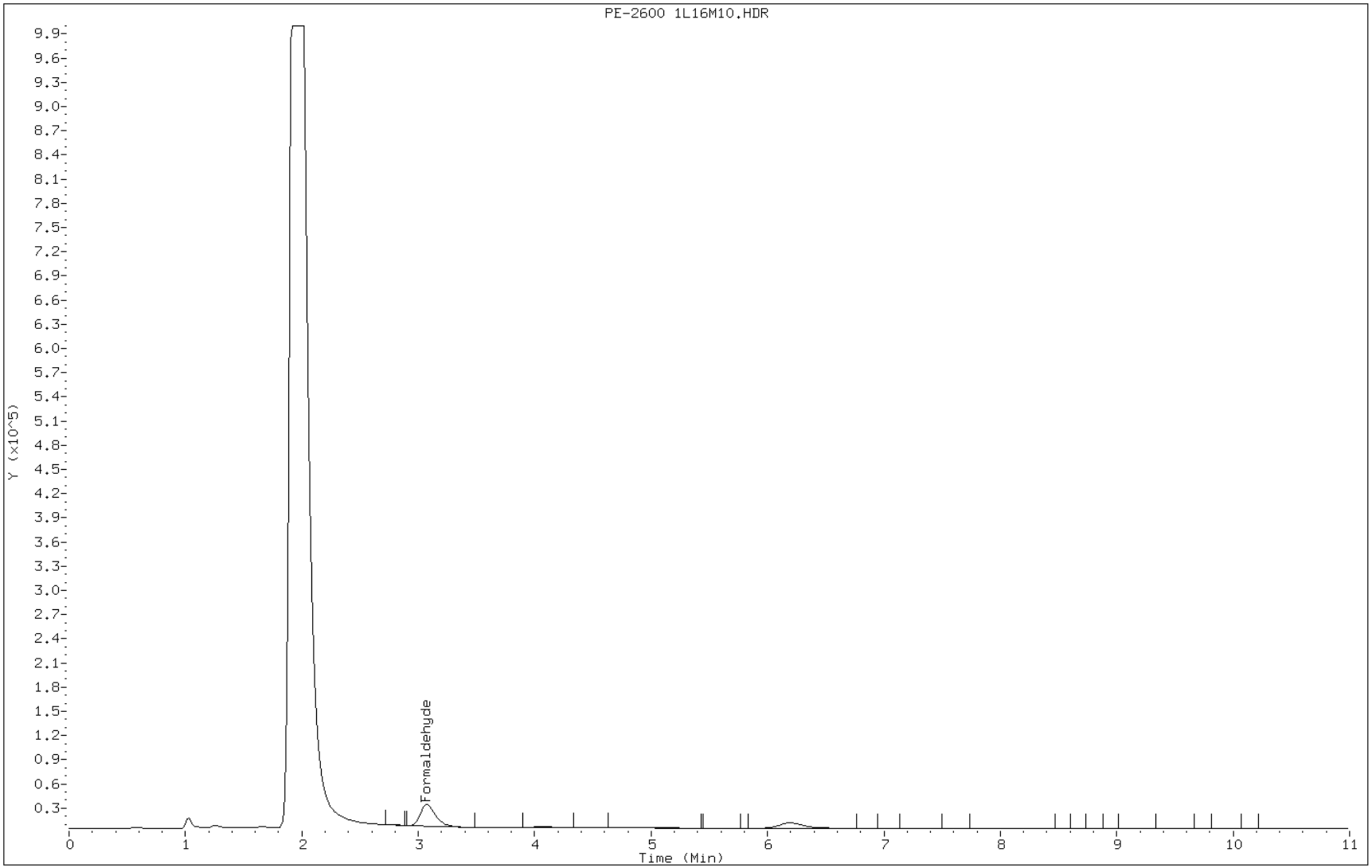
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	26987	1.18459	231	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1L16M10.d

Date: 16-DEC-2010 09:58

Client ID: OC-SD-OPWD-1-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-J-9-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-OPWD-2-XXX Lab Sample ID: 360-31465-10

Matrix: Solid Lab File ID: 1L16M11.d

Analysis Method: 8315A Date Collected: 12/10/2010 13:45

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 10:10

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 62.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	610		270	210
75-07-0	Acetaldehyde	ND		540	78

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M11.d
Lab Smp Id: 360-31465-F-10-A Client Smp ID: OC-SD-OPWD-2-XXX
Inj Date : 16-DEC-2010 10:10
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-F-10-A
Misc Info : 360-31465-F-10-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

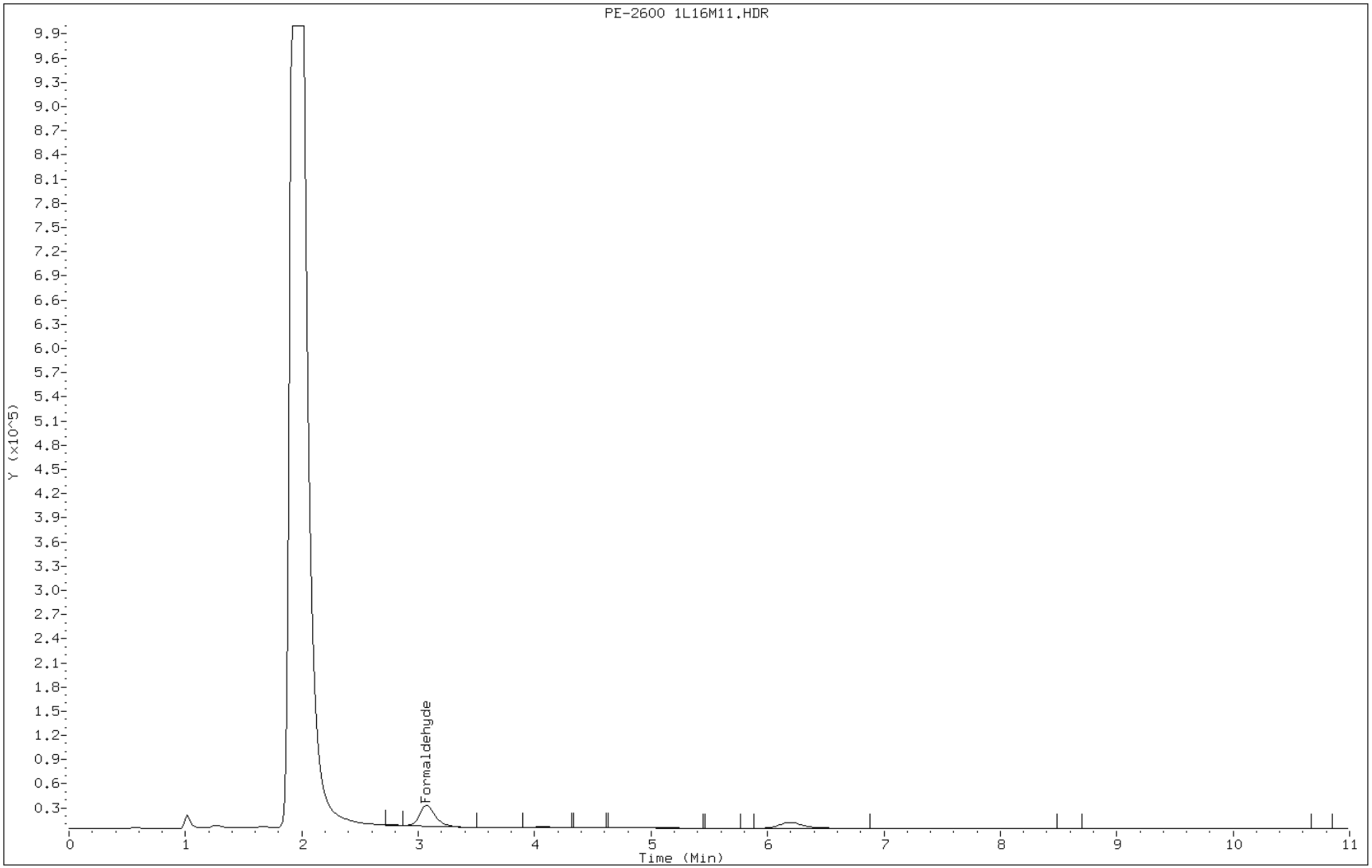
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	26024	1.13942	228	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1L16M11.d

Date: 16-DEC-2010 10:10

Client ID: OC-SD-OPWD-2-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-F-10-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP Lab Sample ID: 360-31465-12

Matrix: Solid Lab File ID: 1L16M12.d

Analysis Method: 8315A Date Collected: 12/10/2010 09:00

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 10:21

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 42.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	1200		180	140
75-07-0	Acetaldehyde	90	J	350	51

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M12.d
Lab Smp Id: 360-31465-H-12-A Client Smp ID: OC-SD-SD-SD2-DUP
Inj Date : 16-DEC-2010 10:21
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-H-12-A
Misc Info : 360-31465-H-12-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	74276	3.40275	680	
2 Acetaldehyde	4.066	4.066	0.000	2694	0.25652	51.3(a)	

QC Flag Legend

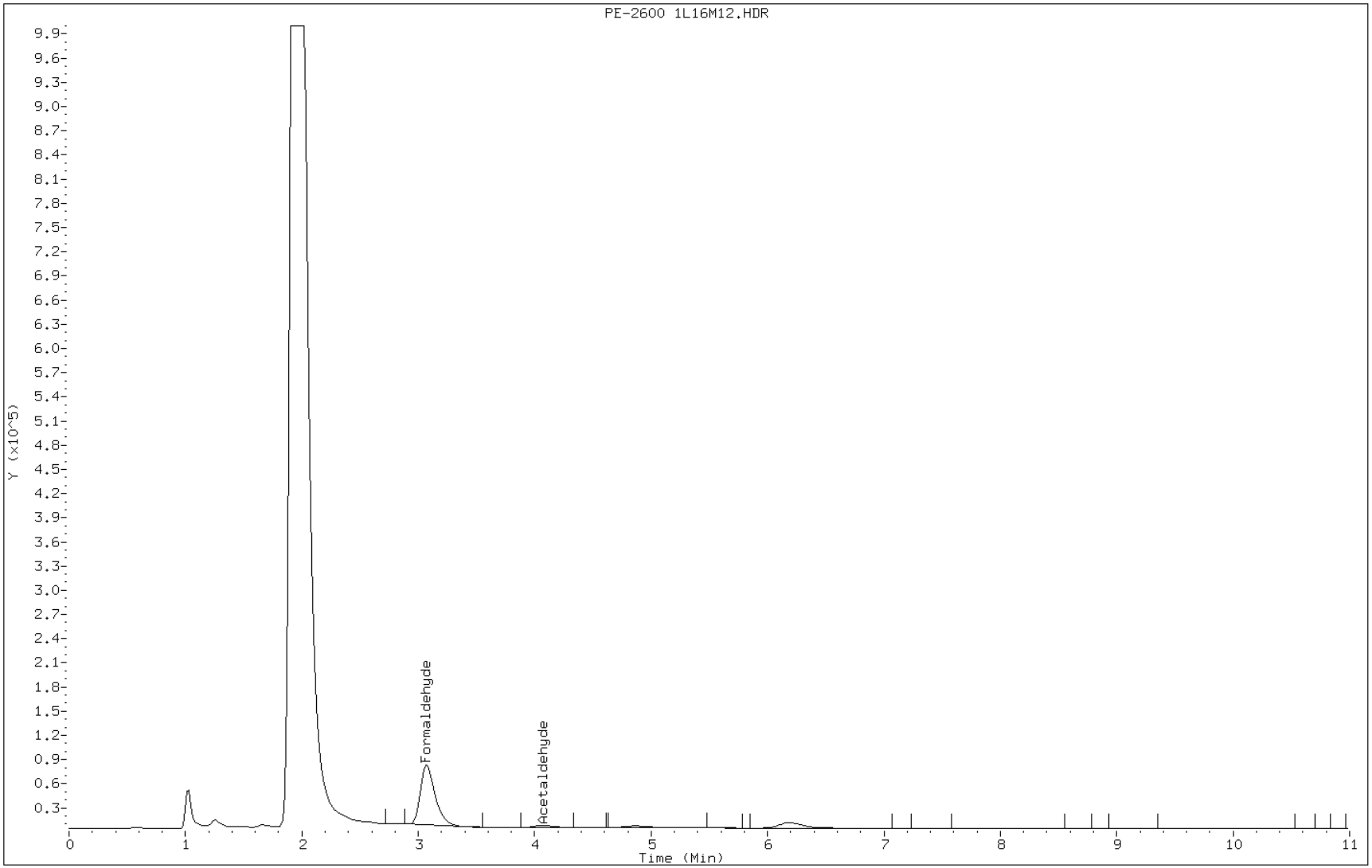
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 1L16M12.d

Date: 16-DEC-2010 10:21

Client ID: OC-SD-SD-SD2-DUP Instrument: TLCMUV1.i

Sample Info: 360-31465-H-12-A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX Lab Sample ID: 360-31465-13

Matrix: Solid Lab File ID: 1L16M13.d

Analysis Method: 8315A Date Collected: 12/10/2010 09:00

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.4(g) Date Analyzed: 12/16/2010 10:33

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	980		160	130
75-07-0	Acetaldehyde	76	J	330	47

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M13.d
Lab Smp Id: 360-31465-G-13-A Client Smp ID: OC-SD-SD-SD2-XXX
Inj Date : 16-DEC-2010 10:33
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465-G-13-A
Misc Info : 360-31465-G-13-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.400	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	66056	3.01718	592	
2 Acetaldehyde	4.066	4.066	0.000	2452	0.23348	45.8(a)	

QC Flag Legend

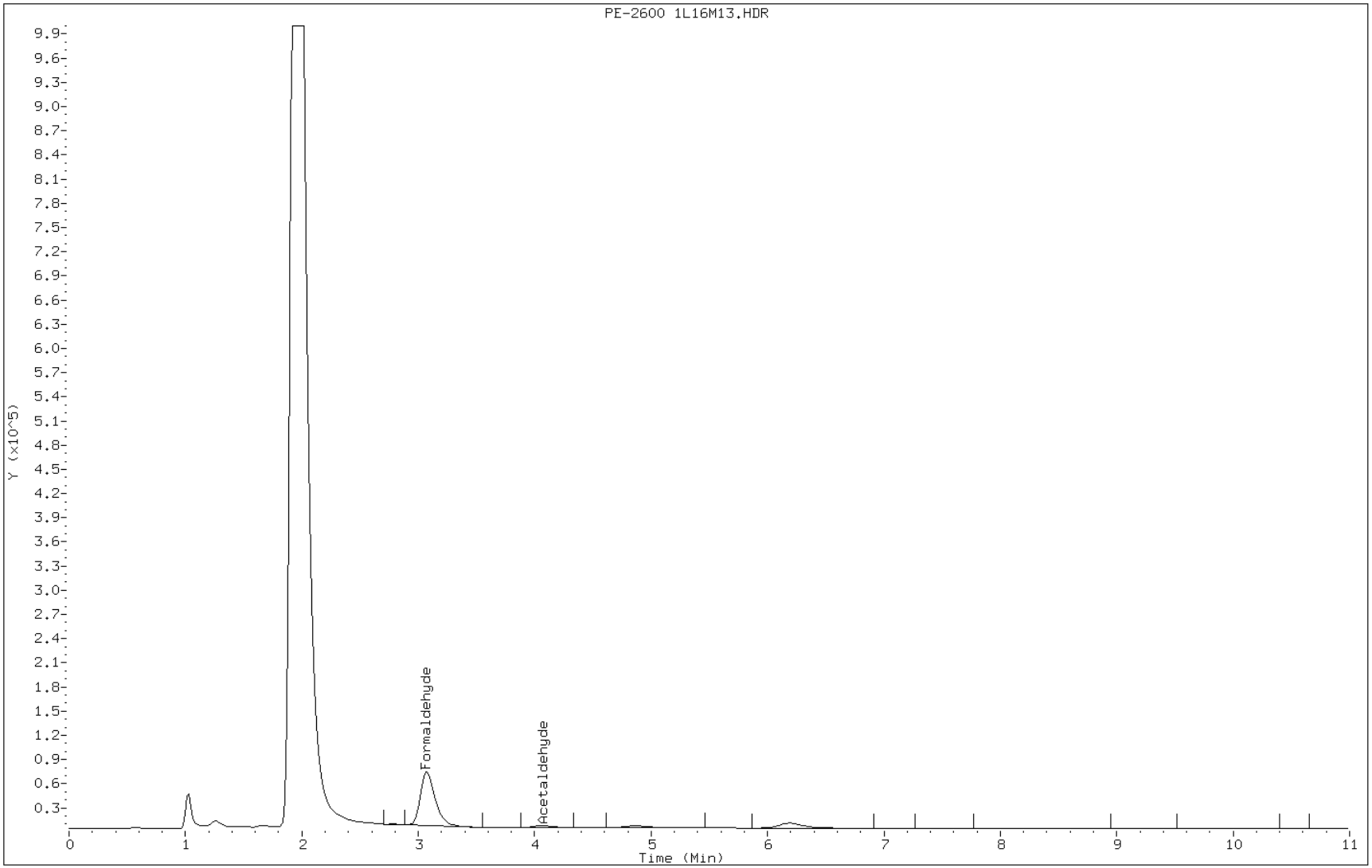
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 1L16M13.d

Date: 16-DEC-2010 10:33

Client ID: OC-SD-SD-SD2-XXX Instrument: TLCMUV1.i

Sample Info: 360-31465-G-13-A Operator: DS



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75819

SDG No.: 360-31465-1

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2010 08:57 Calibration End Date: 12/13/2010 09:44 Calibration ID: 771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75819/10	1L13M2.d
Level 2	IC 640-75819/11	1L13M3.d
Level 3	IC 640-75819/12	1L13M4.d
Level 4	IC 640-75819/13	1L13M5.d
Level 5	IC 640-75819/14	1L13M6.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Formaldehyde	3.117	3.117	3.117	3.117	3.117						2.967 - 3.267	3.117
Acetaldehyde	4.150	4.133	4.133	4.133	4.117						3.983 - 4.283	4.133

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75819

SDG No.: 360-31465-1

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2010 08:57 Calibration End Date: 12/13/2010 09:44 Calibration ID: 771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75819/10	1L13M2.d
Level 2	IC 640-75819/11	1L13M3.d
Level 3	IC 640-75819/12	1L13M4.d
Level 4	IC 640-75819/13	1L13M5.d
Level 5	IC 640-75819/14	1L13M6.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 2	LVL 3	LVL 4		B	M1	M2								
Formaldehyde	30716 21529	24498	21494	20864	Lin	-0.0812671	21319.0968							0.9996		0.9900
Acetaldehyde	10728 10606	10650	10142	10385	Ave		10502.1360				2.3		20.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75819

SDG No.: 360-31465-1

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2010 08:57 Calibration End Date: 12/13/2010 09:44 Calibration ID: 771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75819/10	1L13M2.d
Level 2	IC 640-75819/11	1L13M3.d
Level 3	IC 640-75819/12	1L13M4.d
Level 4	IC 640-75819/13	1L13M5.d
Level 5	IC 640-75819/14	1L13M6.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Formaldehyde	Lin	15358	30622	53735	260794	538226	0.500	1.25	2.50	12.5	25.0
Acetaldehyde	Ave	5364	13312	25356	129814	265139	0.500	1.25	2.50	12.5	25.0

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\1L13M2.d
Lab Smp Id: C1.75785 Client Smp ID: C1.75785
Inj Date : 13-DEC-2010 08:57
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C1.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\8315_A&F.m
Meth Date : 13-Dec-2010 10:06 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 08:57 Cal File: 1L13M2.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

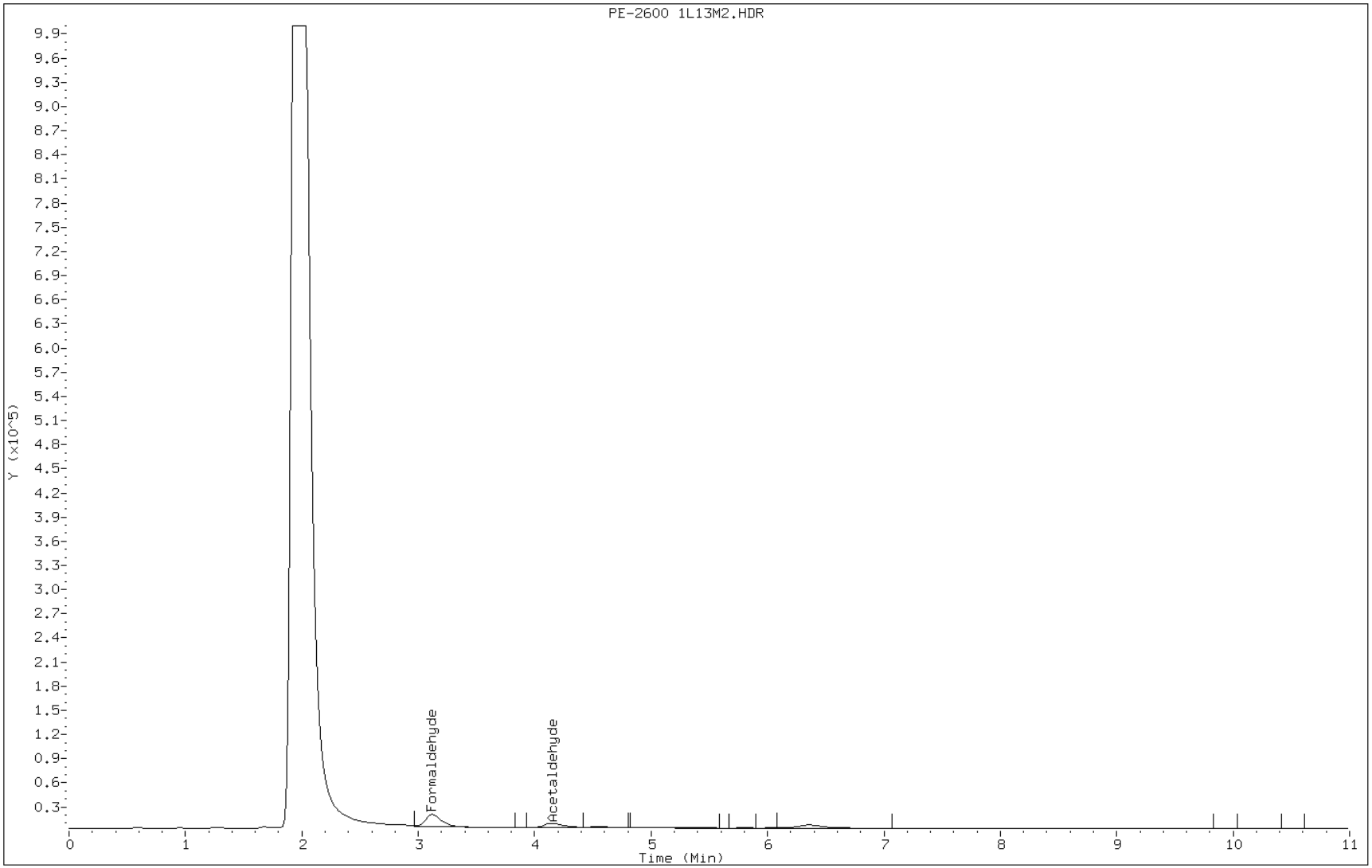
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	3.116	3.116	0.000	15358	0.50000	0.500	
2 Acetaldehyde	4.150	4.150	0.000	5364	0.50000	0.500	

Data File: 1L13M2.d

Date: 13-DEC-2010 08:57

Client ID: C1.75785 Instrument: TLCMUV1.i

Sample Info: C1.75785 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\1L13M3.d
Lab Smp Id: C2.75785 Client Smp ID: C2.75785
Inj Date : 13-DEC-2010 09:09
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C2.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\8315_A&F.m
Meth Date : 13-Dec-2010 10:06 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:09 Cal File: 1L13M3.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

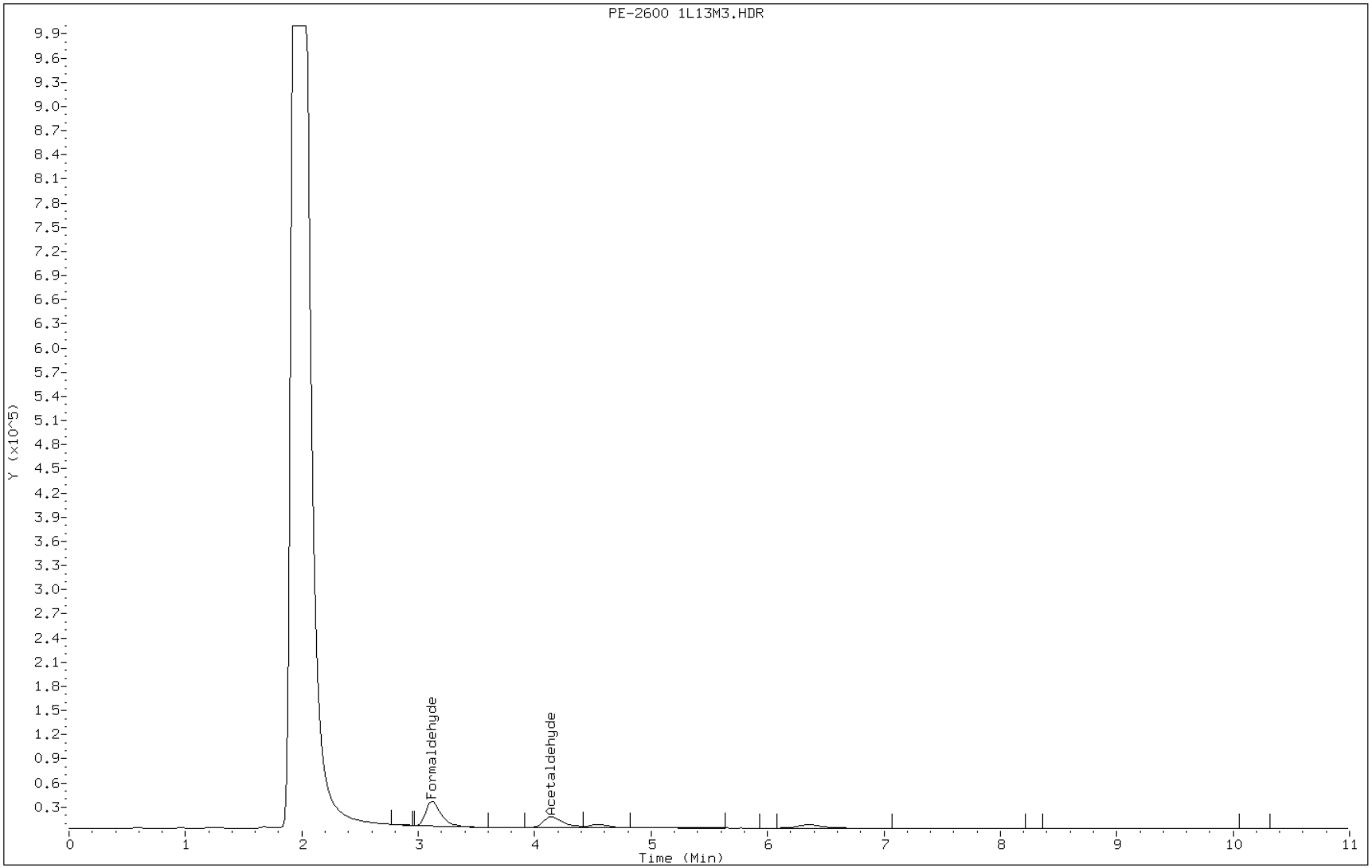
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	3.116	3.116	0.000	30622	1.25000	1.25	
2 Acetaldehyde	4.133	4.133	0.000	13312	1.25000	1.24	

Data File: 1L13M3.d

Date: 13-DEC-2010 09:09

Client ID: C2.75785 Instrument: TLCMUV1.i

Sample Info: C2.75785 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\1L13M4.d
Lab Smp Id: C3.75785 Client Smp ID: C3.75785
Inj Date : 13-DEC-2010 09:21
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C3.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\8315_A&F.m
Meth Date : 13-Dec-2010 10:06 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:21 Cal File: 1L13M4.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

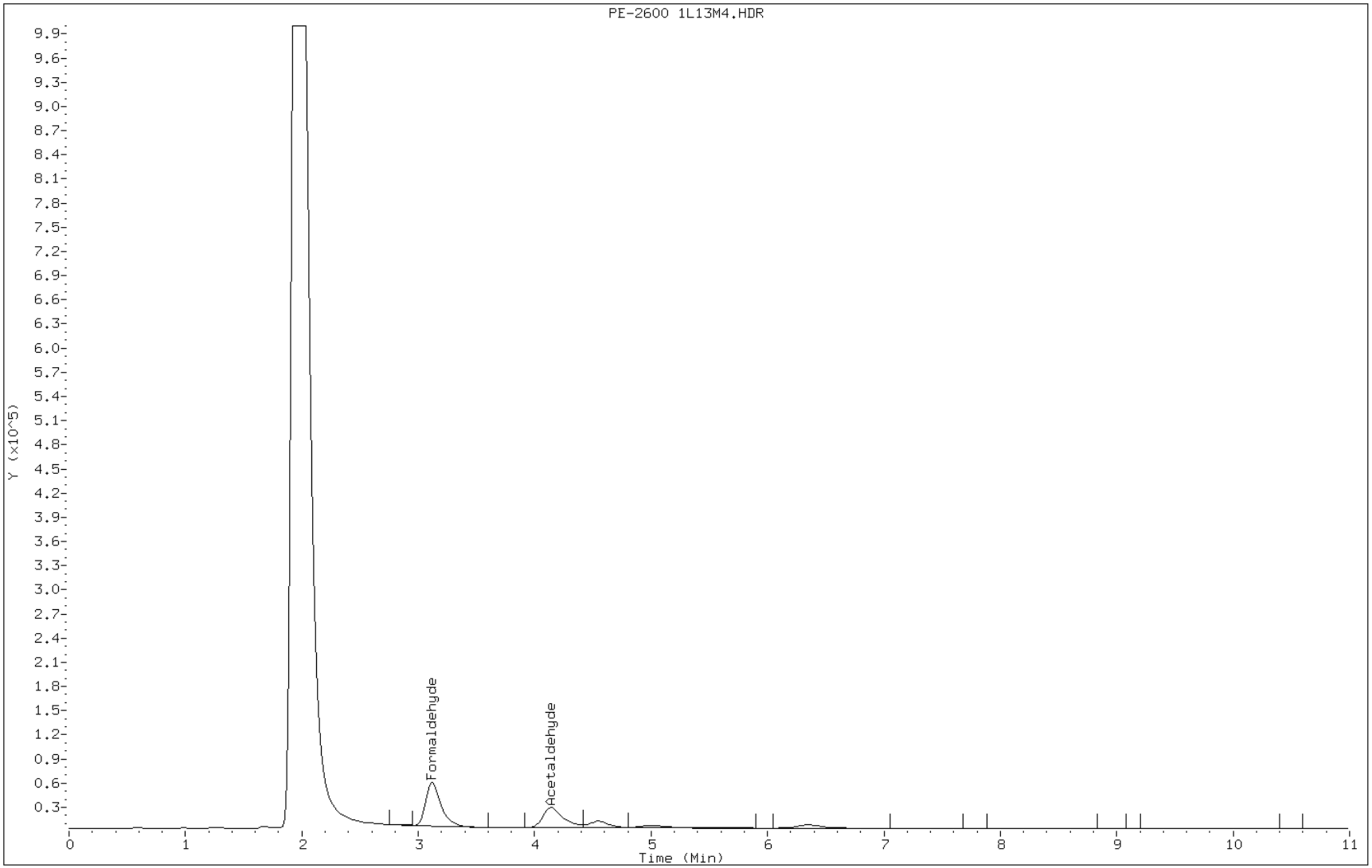
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	3.116	3.116	0.000	53735	2.50000	2.49	
2 Acetaldehyde	4.133	4.133	0.000	25356	2.50000	2.41	

Data File: 1L13M4.d

Date: 13-DEC-2010 09:21

Client ID: C3.75785 Instrument: TLCMUV1.i

Sample Info: C3.75785 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\1L13M5.d
Lab Smp Id: C4.75785 Client Smp ID: C4.75785
Inj Date : 13-DEC-2010 09:32
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C4.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\8315_A&F.m
Meth Date : 13-Dec-2010 10:10 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:32 Cal File: 1L13M5.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

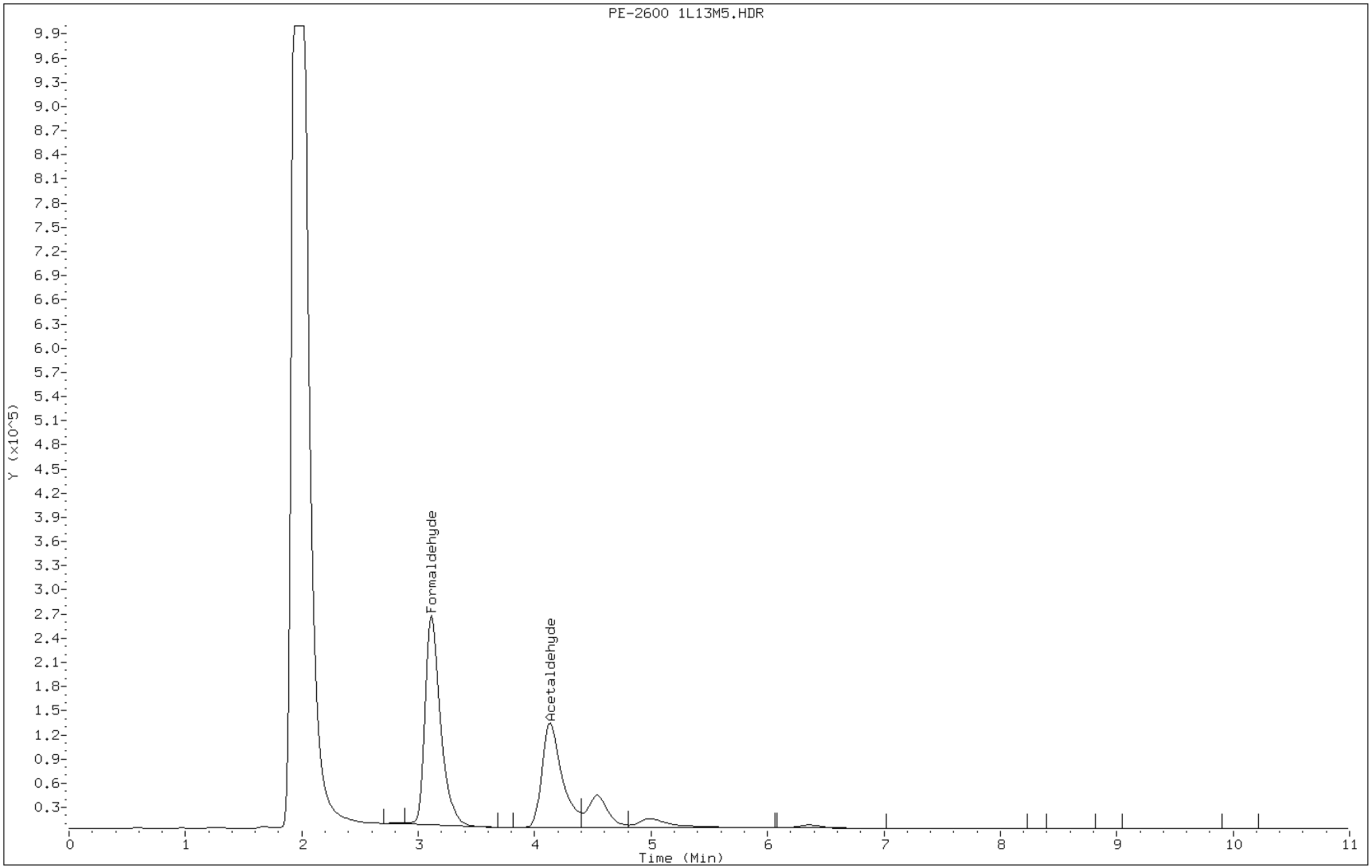
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	3.116	3.116	0.000	260794	12.5000	12.5	
2 Acetaldehyde	4.133	4.133	0.000	129814	12.5000	12.4	

Data File: 1L13M5.d

Date: 13-DEC-2010 09:32

Client ID: C4.75785 Instrument: TLCMUV1.i

Sample Info: C4.75785 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\1L13M6.d
Lab Smp Id: C5.75785 Client Smp ID: C5.75785
Inj Date : 13-DEC-2010 09:44
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C5.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML13J.b\8315_A&F.m
Meth Date : 13-Dec-2010 10:34 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	3.116	3.116	0.000	538226	25.0000	25.2(A)	
2 Acetaldehyde	4.116	4.116	0.000	265139	25.0000	25.2(A)	

QC Flag Legend

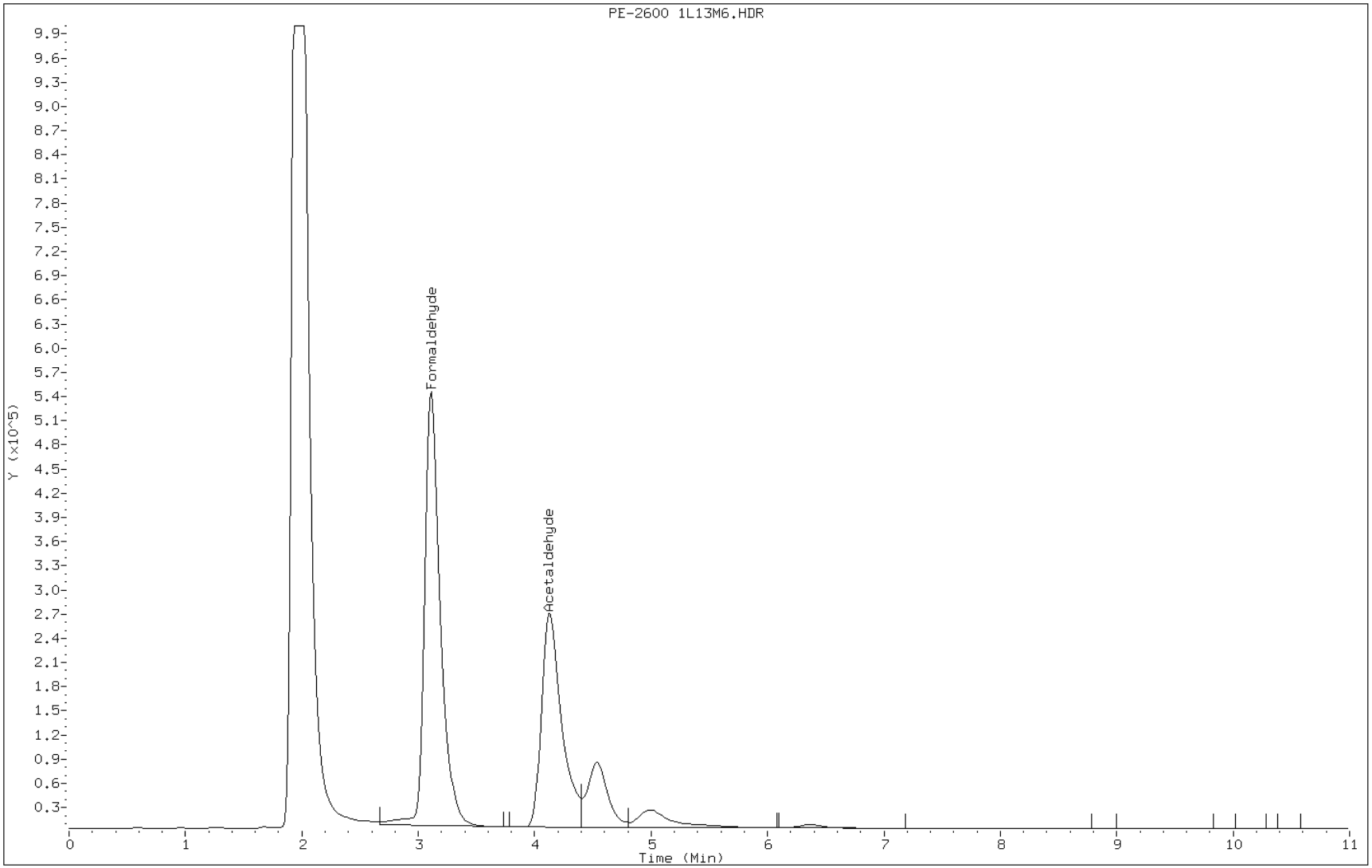
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 1L13M6.d

Date: 13-DEC-2010 09:44

Client ID: C5.75785 Instrument: TLCMUV1.i

Sample Info: C5.75785 Operator: DS



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 640-75971/25 Calibration Date: 12/16/2010 08:13

Instrument ID: LCM Calib Start Date: 12/13/2010 08:57

GC Column: LC-C18 ID: Calib End Date: 12/13/2010 09:44

Lab File ID: 1L16M2.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	23820	21796		2.47	2.50	-1.0	15.0
Acetaldehyde	Ave	10502	11090		2.64	2.50	5.6	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 640-75971/25 Calibration Date: 12/16/2010 08:13

Instrument ID: LCM Calib Start Date: 12/13/2010 08:57

GC Column: LC-C18 ID: Calib End Date: 12/13/2010 09:44

Lab File ID: 1L16M2.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	3.08	2.92	3.22
Acetaldehyde	4.07	3.90	4.20

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M2.d
Lab Smp Id: M3.75785 Client Smp ID: M3.75785
Inj Date : 16-DEC-2010 08:13
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 22-Dec-2010 13:47 TLCMUV1.i Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

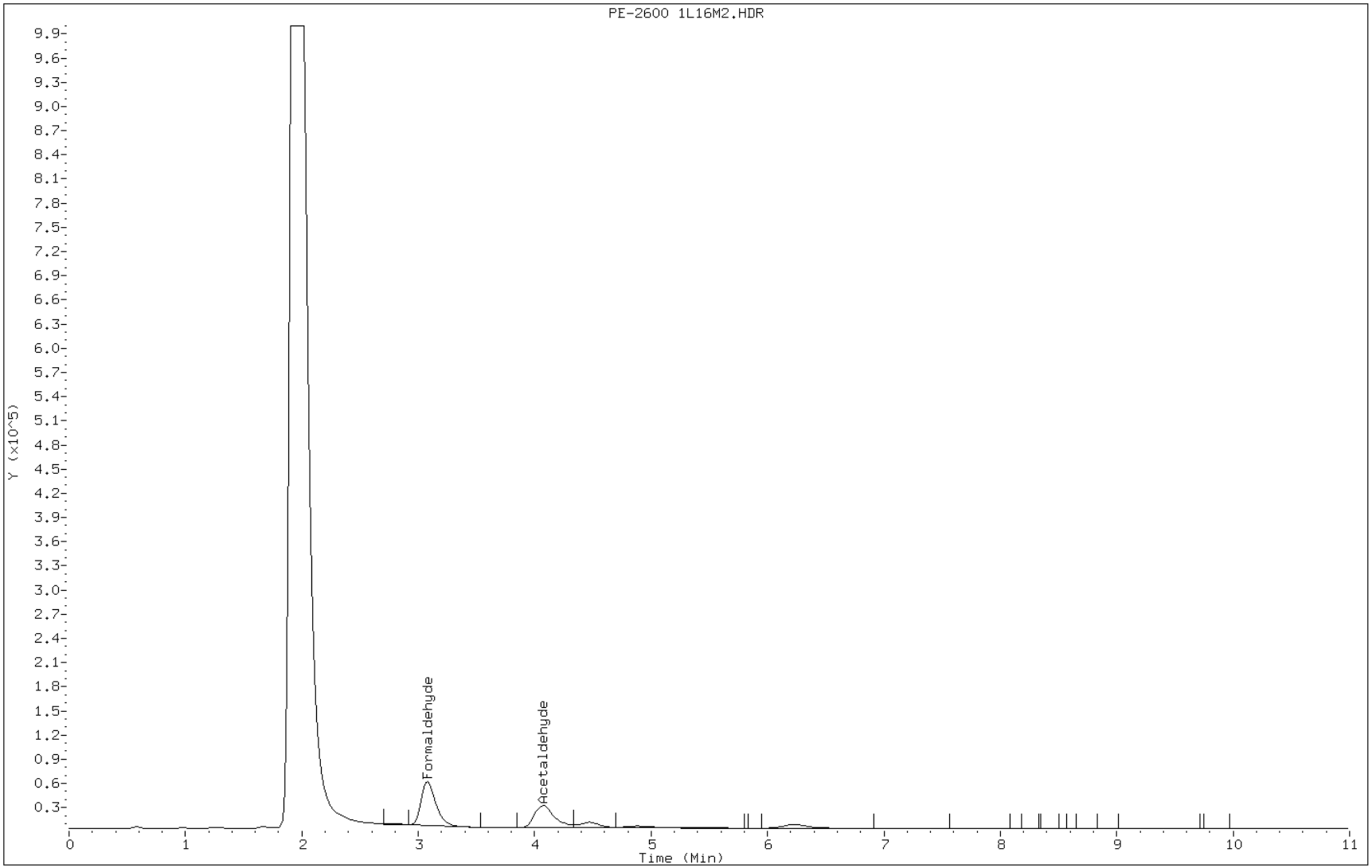
					AMOUNTS		
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
1 Formaldehyde	3.083	3.083	0.000	54489	2.50000	2.47	
2 Acetaldehyde	4.066	4.066	0.000	27726	2.50000	2.64	

Data File: 1L16M2.d

Date: 16-DEC-2010 08:13

Client ID: M3.75785 Instrument: TLCMUV1.i

Sample Info: M3.75785 Operator: DS



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-75971/24 Calibration Date: 12/16/2010 11:09

Instrument ID: LCM Calib Start Date: 12/13/2010 08:57

GC Column: LC-C18 ID: Calib End Date: 12/13/2010 09:44

Lab File ID: 1L16M16.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	23820	22204		2.52	2.50	0.9	15.0
Acetaldehyde	Ave	10502	11365		2.71	2.50	8.2	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-75971/24 Calibration Date: 12/16/2010 11:09

Instrument ID: LCM Calib Start Date: 12/13/2010 08:57

GC Column: LC-C18 ID: Calib End Date: 12/13/2010 09:44

Lab File ID: 1L16M16.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	3.07	2.92	3.22
Acetaldehyde	4.05	3.90	4.20

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M16.d
Lab Smp Id: M3.75785 Client Smp ID: M3.75785
Inj Date : 16-DEC-2010 11:09
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.75785
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 22-Dec-2010 13:47 TLCMUV1.i Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

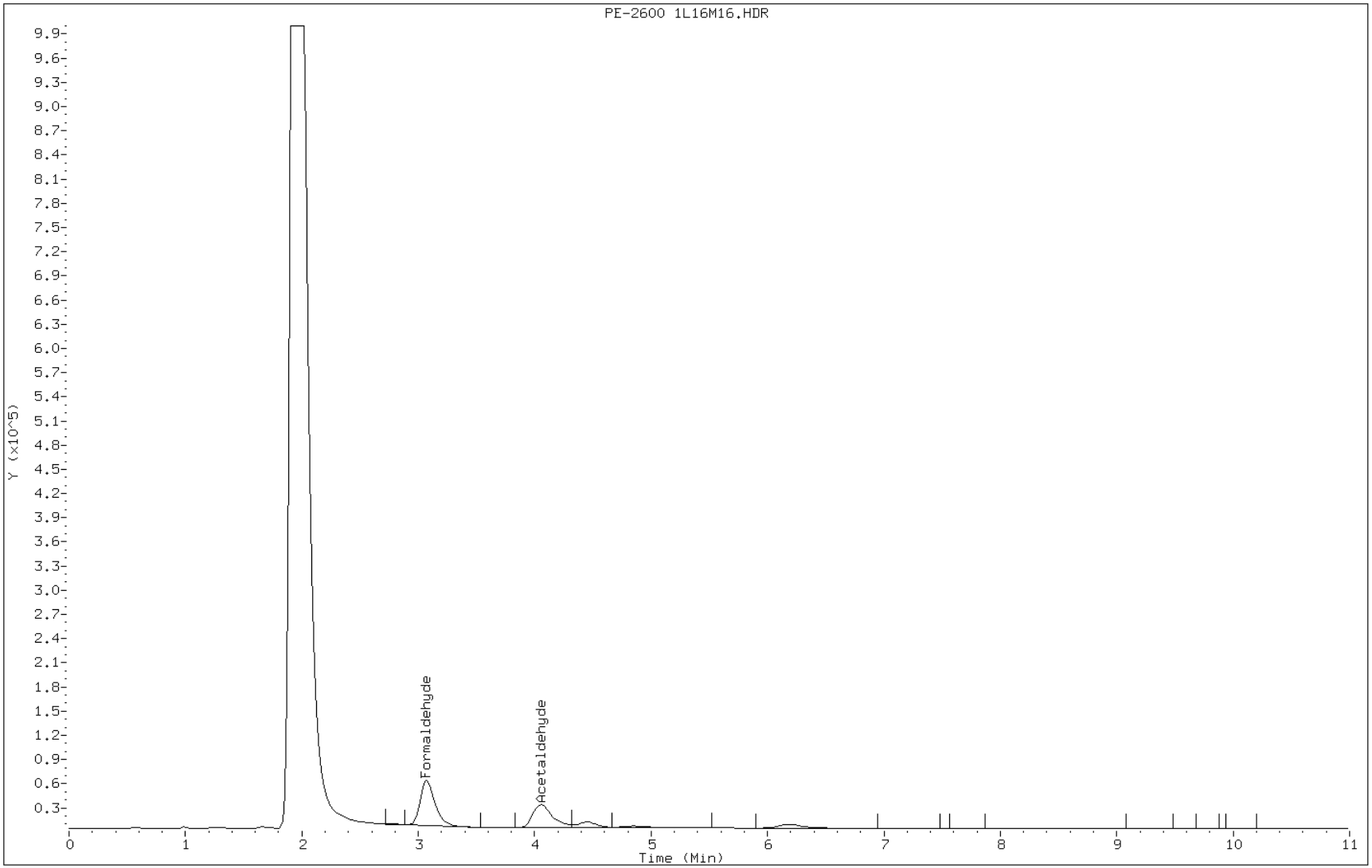
					AMOUNTS		
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
1 Formaldehyde	3.066	3.066	0.000	55510	2.50000	2.52	
2 Acetaldehyde	4.050	4.050	0.000	28412	2.50000	2.70	

Data File: 1L16M16.d

Date: 16-DEC-2010 11:09

Client ID: M3.75785 Instrument: TLCMUV1.i

Sample Info: M3.75785 Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: MB 640-75807/1-A

Matrix: Solid Lab File ID: 1L16M3.d

Analysis Method: 8315A Date Collected:

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 08:35

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

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

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		100	78
75-07-0	Acetaldehyde	ND		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M3.d
Lab Smp Id: MB 640-75807/1A Client Smp ID: 75807MB
Inj Date : 16-DEC-2010 08:35
Operator : DS Inst ID: TLCMUV1.i
Smp Info : MB 640-75807/1A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	Compound Not Detected.						
2 Acetaldehyde	Compound Not Detected.						

Data File: 1L16M3.d

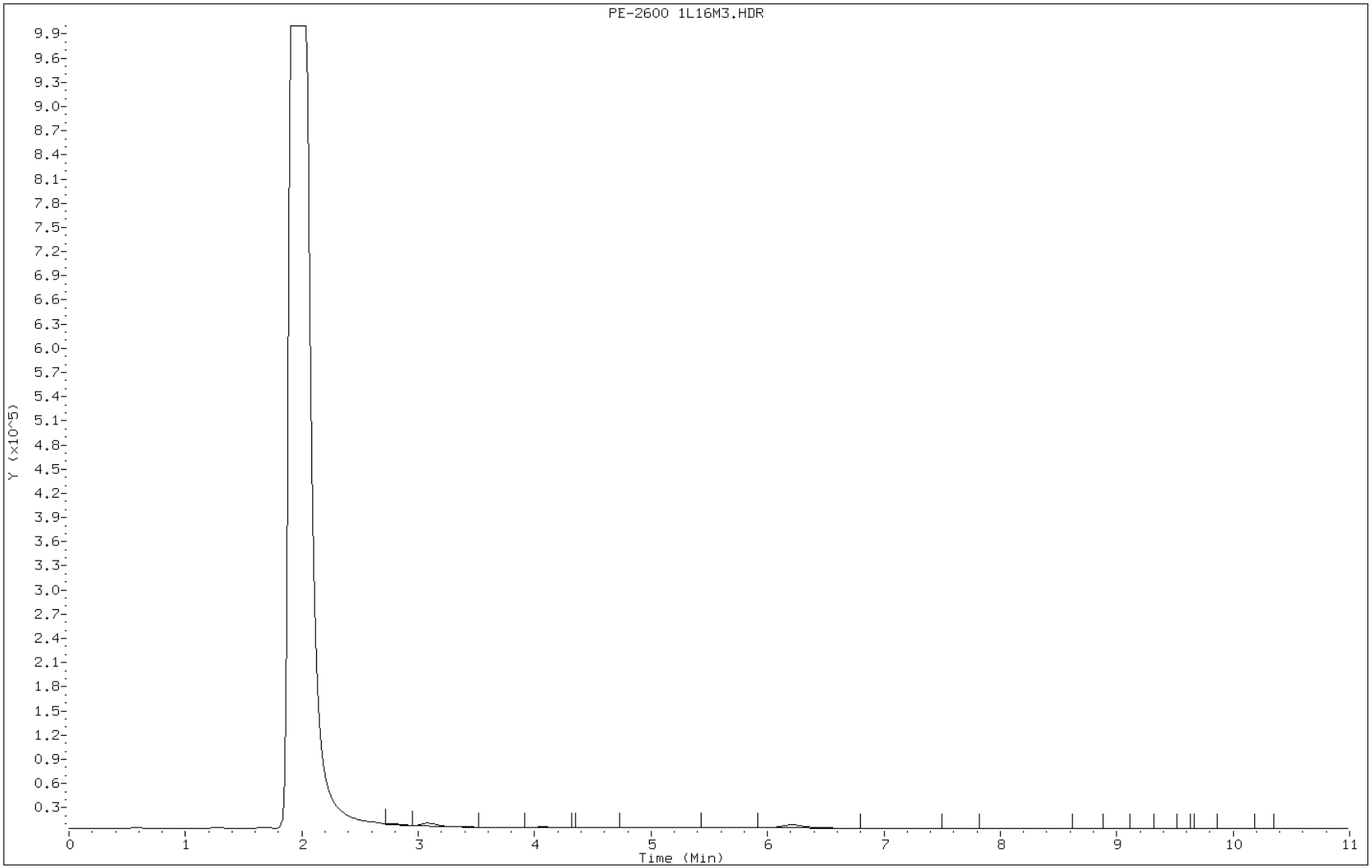
Date: 16-DEC-2010 08:35

Client ID: 75807MB

Instrument: TLCMUV1.i

Sample Info: MB 640-75807/1A

Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCS 640-75807/2-A

Matrix: Solid Lab File ID: 1L16M4.d

Analysis Method: 8315A Date Collected:

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 08:47

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

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

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	698		100	78
75-07-0	Acetaldehyde	689		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M4.d
Lab Smp Id: LCS 640-75807/2A Client Smp ID: 75807MBLCS
Inj Date : 16-DEC-2010 08:47
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCS 640-75807/2A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	76128	3.48962	698	
2 Acetaldehyde	4.066	4.066	0.000	36190	3.44597	689	

Data File: 1L16M4.d

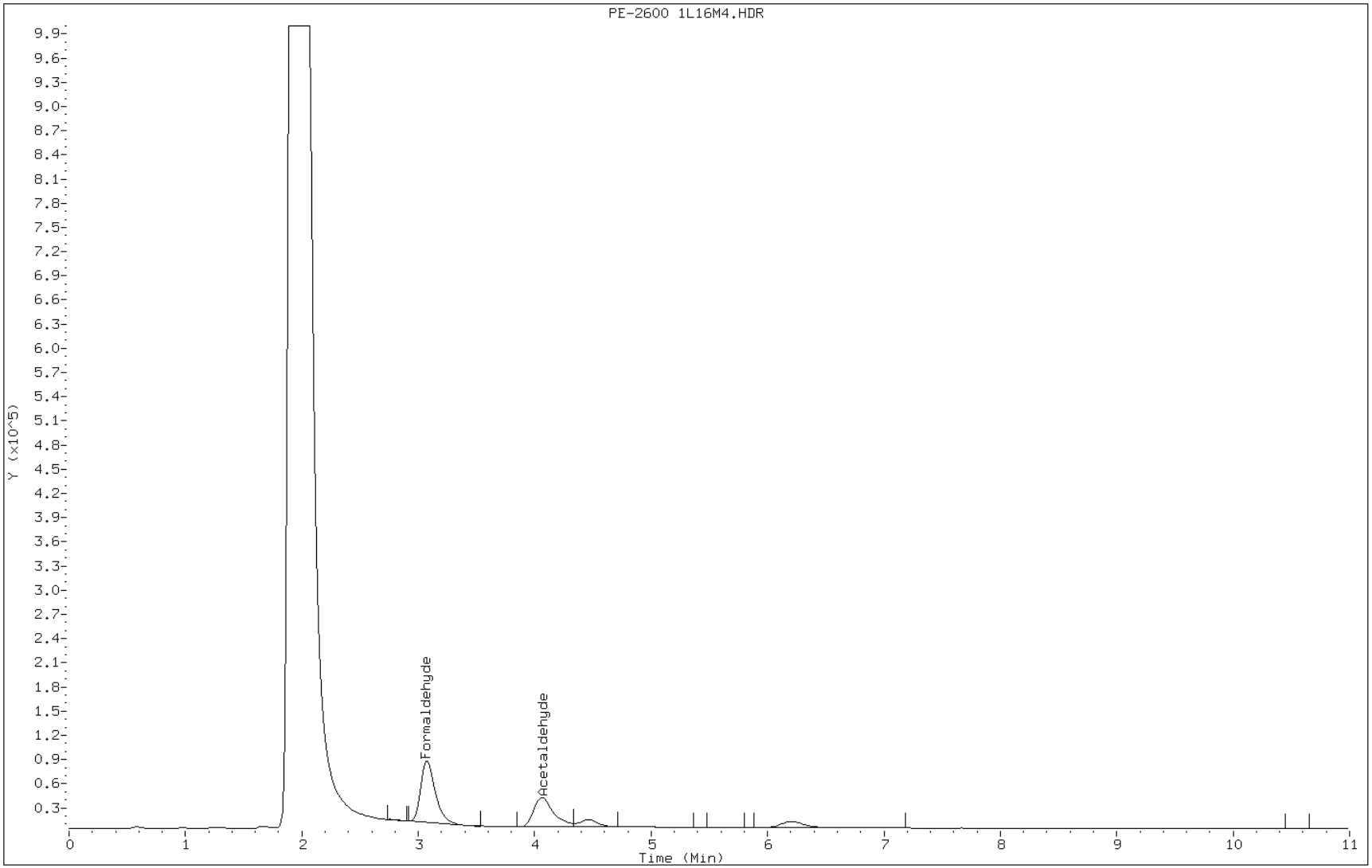
Date: 16-DEC-2010 08:47

Client ID: 75807MBLCS

Instrument: TLCMUV1.i

Sample Info: LCS 640-75807/2A

Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCSD 640-75807/3-A

Matrix: Solid Lab File ID: 1L16M5.d

Analysis Method: 8315A Date Collected:

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 08:59

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

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

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	742		100	78
75-07-0	Acetaldehyde	712		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M5.d
Lab Smp Id: LCSD 640-75807/3A Client Smp ID: 75807MBLCSD
Inj Date : 16-DEC-2010 08:59
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCSD 640-75807/3A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

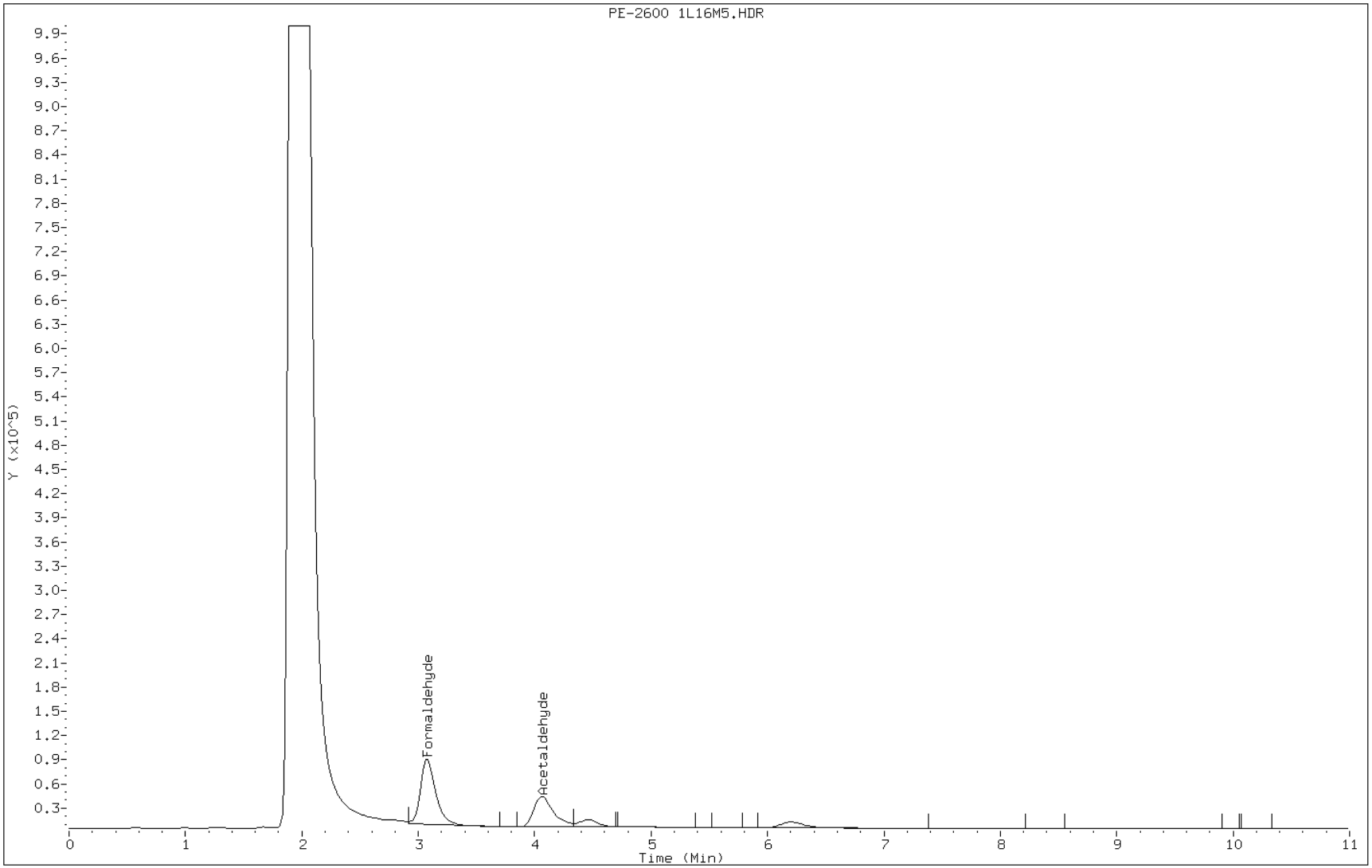
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.083	3.083	0.000	80793	3.70843	742	
2 Acetaldehyde	4.066	4.066	0.000	37411	3.56223	712	

Data File: 1L16M5.d

Date: 16-DEC-2010 08:59

Client ID: 75807MBLCSD Instrument: TLCMUV1.i

Sample Info: LCSD 640-75807/3A Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS Lab Sample ID: 360-31465-13 MS

Matrix: Solid Lab File ID: 1L16M14.d

Analysis Method: 8315A Date Collected: 12/10/2010 09:00

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.7(g) Date Analyzed: 12/16/2010 10:45

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	1410		160	130
75-07-0	Acetaldehyde	379		320	47

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M14.d
Lab Smp Id: 360-31465G13B MS Client Smp ID: 31465-13MS
Inj Date : 16-DEC-2010 10:45
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465G13B MS
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	95676	4.40654	881	
2 Acetaldehyde	4.050	4.066	-0.016	12395	1.18024	236	

Data File: 1L16M14.d

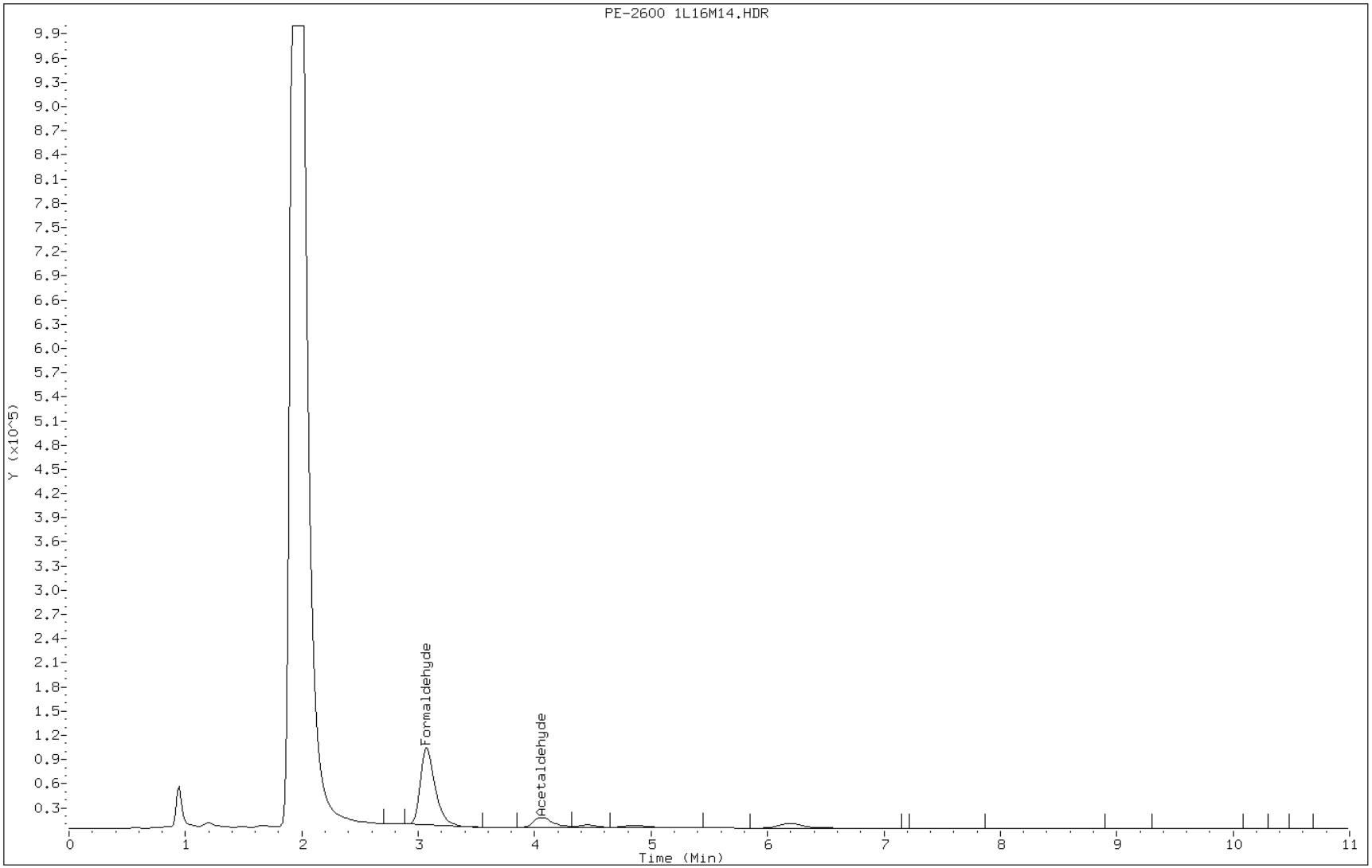
Date: 16-DEC-2010 10:45

Client ID: 31465-13MS

Instrument: TLCMUV1.i

Sample Info: 360-31465G13B MS

Operator: DS



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD Lab Sample ID: 360-31465-13 MSD

Matrix: Solid Lab File ID: 1L16M15.d

Analysis Method: 8315A Date Collected: 12/10/2010 09:00

Extraction Method: 8315_S_Prep Date Extracted: 12/15/2010 07:40

Sample wt/vol: 20.0(g) Date Analyzed: 12/16/2010 10:57

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: LC-C18 ID:

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 75971 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	1600		170	130
75-07-0	Acetaldehyde	432		330	48

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\1L16M15.d
Lab Smp Id: 360-31465C13A MSD Client Smp ID: 31465-13MSD
Inj Date : 16-DEC-2010 10:57
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-31465C13A MSD
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1ML16J.b\8315_A&F.m
Meth Date : 16-Dec-2010 08:56 smithdn Quant Type: ESTD
Cal Date : 13-DEC-2010 09:44 Cal File: 1L13M6.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALSG01

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

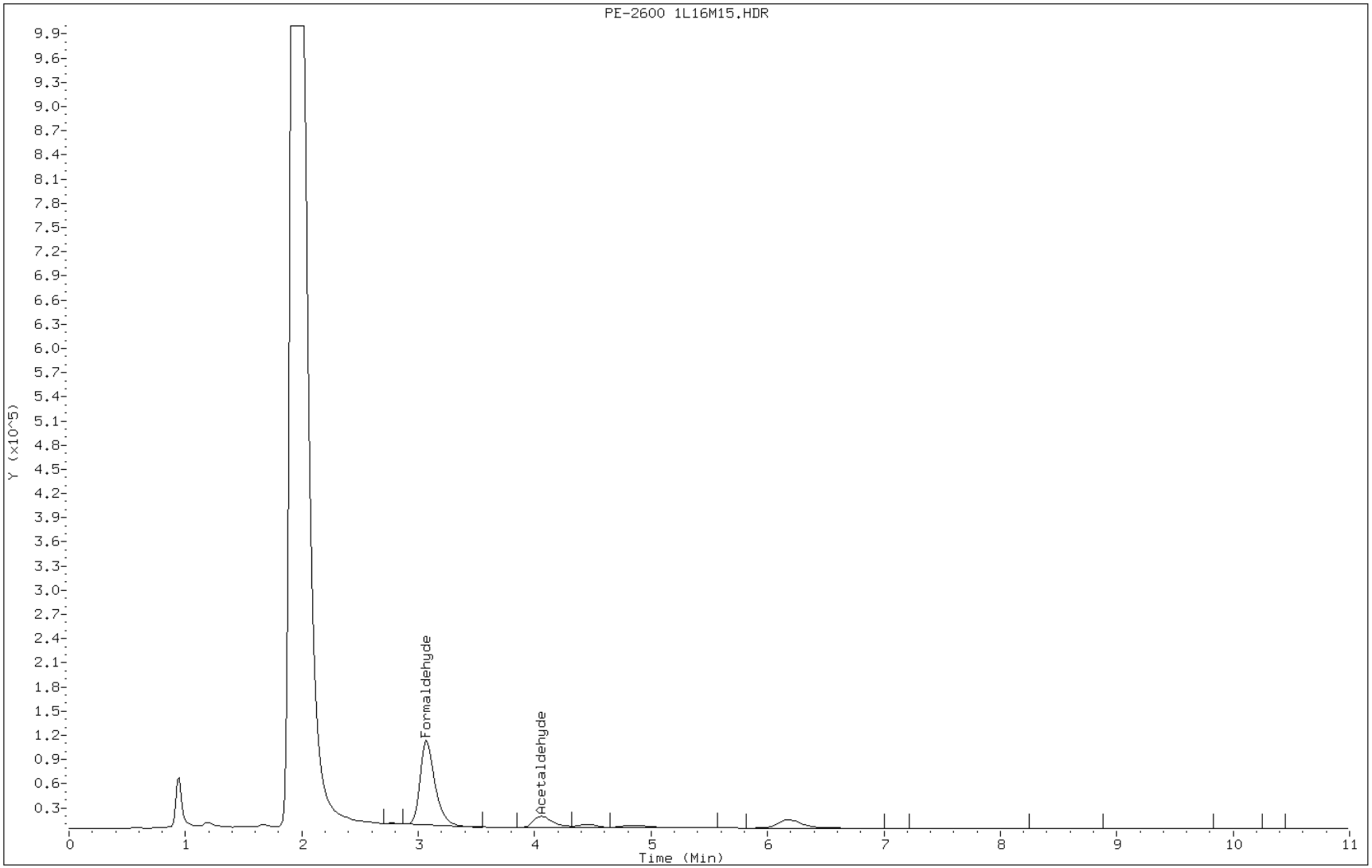
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	3.066	3.083	-0.017	104284	4.81031	962	
2 Acetaldehyde	4.050	4.066	-0.016	13656	1.30031	260	

Data File: 1L16M15.d

Date: 16-DEC-2010 10:57

Client ID: 31465-13MSD Instrument: TLCMUV1.i

Sample Info: 360-31465C13A MSD Operator: DS



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: LCM Start Date: 12/13/2010 08:57

Analysis Batch Number: 75819 End Date: 12/13/2010 11:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICRT 640-75819/10		12/13/2010 08:57	1	1L13M2.d	LC-C18
IC 640-75819/11		12/13/2010 09:09	1	1L13M3.d	LC-C18
IC 640-75819/12		12/13/2010 09:21	1	1L13M4.d	LC-C18
IC 640-75819/13		12/13/2010 09:32	1	1L13M5.d	LC-C18
IC 640-75819/14		12/13/2010 09:44	1	1L13M6.d	LC-C18
ZZZZZ		12/13/2010 10:23	1		LC-C18
ZZZZZ		12/13/2010 10:35	1		LC-C18
ZZZZZ		12/13/2010 10:46	1		LC-C18
ZZZZZ		12/13/2010 10:58	1		LC-C18
ZZZZZ		12/13/2010 11:10	1		LC-C18
ZZZZZ		12/13/2010 11:22	1		LC-C18
ZZZZZ		12/13/2010 11:34	1		LC-C18
ZZZZZ		12/13/2010 11:45	1		LC-C18
CCV 640-75819/9		12/13/2010 11:57	1		LC-C18

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: LCM Start Date: 12/16/2010 08:13

Analysis Batch Number: 75971 End Date: 12/16/2010 17:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-75971/25		12/16/2010 08:13	1	1L16M2.d	LC-C18
MB 640-75807/1-A		12/16/2010 08:35	1	1L16M3.d	LC-C18
LCS 640-75807/2-A		12/16/2010 08:47	1	1L16M4.d	LC-C18
LCSD 640-75807/3-A		12/16/2010 08:59	1	1L16M5.d	LC-C18
360-31465-1	OC-SD-ISCO-2-XXX	12/16/2010 09:11	1	1L16M6.d	LC-C18
360-31465-5	OC-SD-SD-1-XXX	12/16/2010 09:22	1	1L16M7.d	LC-C18
360-31465-6	OC-SD-SD-SD3-XXX	12/16/2010 09:34	1	1L16M8.d	LC-C18
360-31465-7	OC-SD-SDSW-E-XXX	12/16/2010 09:46	1	1L16M9.d	LC-C18
360-31465-9	OC-SD-OPWD-1-XXX	12/16/2010 09:58	1	1L16M10.d	LC-C18
360-31465-10	OC-SD-OPWD-2-XXX	12/16/2010 10:10	1	1L16M11.d	LC-C18
360-31465-12	OC-SD-SD-SD2-DUP	12/16/2010 10:21	1	1L16M12.d	LC-C18
360-31465-13	OC-SD-SD-SD2-XXX	12/16/2010 10:33	1	1L16M13.d	LC-C18
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/16/2010 10:45	1	1L16M14.d	LC-C18
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/16/2010 10:57	1	1L16M15.d	LC-C18
CCV 640-75971/24		12/16/2010 11:09	1	1L16M16.d	LC-C18
ZZZZZ		12/16/2010 13:28	1		LC-C18
ZZZZZ		12/16/2010 13:39	1		LC-C18
ZZZZZ		12/16/2010 13:51	1		LC-C18
ZZZZZ		12/16/2010 14:07	1		LC-C18
ZZZZZ		12/16/2010 14:20	1		LC-C18
ZZZZZ		12/16/2010 14:35	1		LC-C18
ZZZZZ		12/16/2010 16:23	1		LC-C18
ZZZZZ		12/16/2010 16:41	1		LC-C18
ZZZZZ		12/16/2010 16:59	1		LC-C18
ZZZZZ		12/16/2010 17:16	2		LC-C18
CCV 640-75971/26		12/16/2010 17:34	1		LC-C18

Organic Prep Worksheet

Batch Number: 640-75807
Method: 8315_S_Prep
Analyst: Smith, Daniel N

Date Open: Dec 15 2010 7:40AM
Batch End: Dec 15 2010 1:15PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Final pH	LCS8315SPK_00016
MB~640-75807/1		8315_S_Prep, 8315A		20.0 g	4 mL	5	
LCS~640-75807/2		8315_S_Prep, 8315A		20.0 g	4 mL	5	150 uL
LCSD~640-75807/3		8315_S_Prep, 8315A		20.0 g	4 mL	5	150 uL
360-31465-M-1	OC-SD-ISCO-2-XXX	8315_S_Prep, 8315A	T	20.6 g	4 mL	5	
360-31465-E-5	OC-SD-SD-1-XXX	8315_S_Prep, 8315A	T	20.9 g	4 mL	5	
360-31465-E-6	OC-SD-SD-SD3-XXX	8315_S_Prep, 8315A	T	20.2 g	4 mL	5	
360-31465-F-7	OC-SD-SDSW-E-XXX	8315_S_Prep, 8315A	T	20.0 g	4 mL	5	
360-31465-J-9	OC-SD-OPWD-1-XXX	8315_S_Prep, 8315A	T	20.5 g	4 mL	5	
360-31465-F-10	OC-SD-OPWD-2-XXX	8315_S_Prep, 8315A	T	20.0 g	4 mL	5	
360-31465-H-12	OC-SD-SD-SD2-DUP	8315_S_Prep, 8315A	T	20.0 g	4 mL	5	
360-31465-G-13	OC-SD-SD-SD2-XXX	8315_S_Prep, 8315A	T	20.4 g	4 mL	5	
360-31465-G-13~MS	OC-SD-SD-SD2-XXX	8315_S_Prep, 8315A	T	20.7 g	4 mL	5	150 uL
360-31465-C-13~MSD	OC-SD-SD-SD2-XXX	8315_S_Prep, 8315A	T	20.0 g	4 mL	5	150 uL

Eluting Solvent Lot #:	LCR1-49-3
Acetate Buffer Lot #:	LCR1-49-7
Acetonitrile Lot#:	N/A
DNPH Lot#:	LCR1-49-8
HPLC 8315 Soil Buffer Lot#:	121510A
HPLC H2O Lot#:	121510
Saturated NaCl Lot#:	LCR1-49-5
Person's name who witnessed reagent drop:	DS

Organic Prep Worksheet

Batch Number: 640-75807
Method: 8315_S_Prep
Analyst: Smith, Daniel N

Date Open: Dec 15 2010 7:40AM
Batch End: Dec 15 2010 1:15PM

Lab ID	Client ID	Method Chain	Basis	Comments Analysis comment
MB~640-75807/1		8315_S_Prep, 8315A		
LCS~640-75807/2		8315_S_Prep, 8315A		
LCSD~640-75807/3		8315_S_Prep, 8315A		
360-31465-M-1	OC-SD-ISCO-2-XXX	8315_S_Prep, 8315A	T	
360-31465-E-5	OC-SD-SD-1-XXX	8315_S_Prep, 8315A	T	
360-31465-E-6	OC-SD-SD-SD3-XXX	8315_S_Prep, 8315A	T	
360-31465-F-7	OC-SD-SDSW-E-XXX	8315_S_Prep, 8315A	T	
360-31465-J-9	OC-SD-OPWD-1-XXX	8315_S_Prep, 8315A	T	
360-31465-F-10	OC-SD-OPWD-2-XXX	8315_S_Prep, 8315A	T	
360-31465-H-12	OC-SD-SD-SD2-DUP	8315_S_Prep, 8315A	T	
360-31465-G-13	OC-SD-SD-SD2-XXX	8315_S_Prep, 8315A	T	
360-31465-G-13~MS	OC-SD-SD-SD2-XXX	8315_S_Prep, 8315A	T	
360-31465-C-13~MSD	OC-SD-SD-SD2-XXX	8315_S_Prep, 8315A	T	

Batch Comment: 8315A

Method LC65

Maleic and Phthalic Acid by Method LC65

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L20J16.d

Lab ID: LCS 640-75851/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	397	310	78	60-140	

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L20J17.d

Lab ID: LCSD 640-75851/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	397	314	79	1	50	60-140	

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L20J24.d

Lab ID: 360-31465-13 MS Client ID: OC-SD-SD-SD2-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	664	ND	564	85	60-140	

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid Level: Low Lab File ID: 1L20J25.d

Lab ID: 360-31465-13 MSD Client ID: OC-SD-SD-SD2-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	644	547	85	3	50	60-140	

Column to be used to flag recovery and RPD values

FORM III LC65

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: MB 640-75851/1-A

Matrix: Solid Date Extracted: 12/14/2010 11:20

Lab File ID:(1) Lab File ID:(2) 1L20J15.d

Date Analyzed:(1) Date Analyzed:(2) 12/20/2010 21:28

Instrument ID:(1) Instrument ID:(2) LCJ

GC Column:(1) ID: GC Column:(2) LC-NH2 ID: 4.6(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 640-75851/2-A		12/20/2010 21:41
	LCSD 640-75851/3-A		12/20/2010 21:54
OC-SD-ISCO-2-XXX	360-31465-1		12/20/2010 22:07
OC-SD-SD-1-XXX	360-31465-5		12/20/2010 22:20
OC-SD-SD-SD3-XXX	360-31465-6		12/20/2010 22:33
OC-SD-SDSW-E-XXX	360-31465-7		12/20/2010 22:45
OC-SD-SD-SD2-DUP	360-31465-12		12/20/2010 22:58
OC-SD-SD-SD2-XXX	360-31465-13		12/20/2010 23:11
OC-SD-SD-SD2-XXX MS	360-31465-13 MS		12/20/2010 23:24
OC-SD-SD-SD2-XXX MSD	360-31465-13 MSD		12/20/2010 23:37

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: MB 640-75851/1-A

Matrix: Solid Date Extracted: 12/14/2010 11:20

Lab File ID:(1) 2L21J3.d Lab File ID:(2)

Date Analyzed:(1) 12/21/2010 14:56 Date Analyzed:(2)

Instrument ID:(1) LCJ Instrument ID:(2)

GC Column:(1) LC-C18 ID: GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
OC-SD-ISCO-2-XXX	360-31465-1	12/21/2010 15:05	
OC-SD-SD-1-XXX	360-31465-5	12/21/2010 15:14	
OC-SD-SD-SD3-XXX	360-31465-6	12/21/2010 15:23	
OC-SD-SDSW-E-XXX	360-31465-7	12/21/2010 15:32	
OC-SD-SD-SD2-DUP	360-31465-12	12/21/2010 15:41	
OC-SD-SD-SD2-XXX	360-31465-13	12/21/2010 15:50	

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-ISCO-2-XXX Lab Sample ID: 360-31465-1

Matrix: Solid Lab File ID: 1L20J18.d

Analysis Method: LC65 Date Collected: 12/09/2010 12:00

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.04(g) Date Analyzed: 12/20/2010 22:07

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 47.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		190	7.4

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J18.d
Lab Smp Id: 360-31465-M-1-C Client Smp ID: OC-SD-ISCO-2-XXX
Inj Date : 20-DEC-2010 22:07
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465-M-1-C
Misc Info : 360-31465-M-1-C
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.040	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

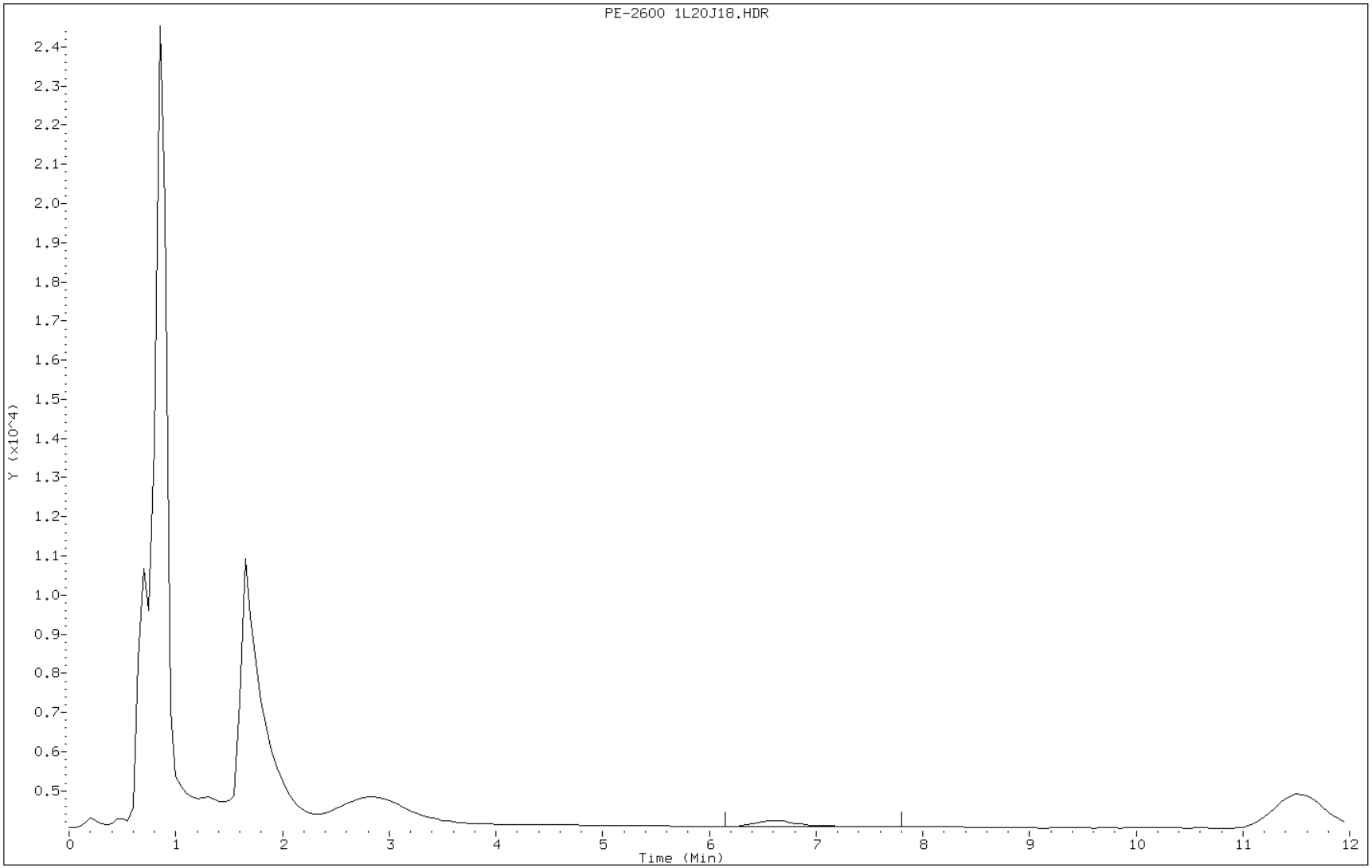
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.					NOT CONF	
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1L20J18.d

Date: 20-DEC-2010 22:07

Client ID: OC-SD-ISCO-2-XXX Instrument: TLCJUV1.i

Sample Info: 360-31465-M-1-C Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-1-XXX Lab Sample ID: 360-31465-5

Matrix: Solid Lab File ID: 1L20J19.d

Analysis Method: LC65 Date Collected: 12/09/2010 13:15

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.16(g) Date Analyzed: 12/20/2010 22:20

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 42.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		170	6.6

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J19.d
Lab Smp Id: 360-31465-E-5-C Client Smp ID: OC-SD-SD-1-XXX
Inj Date : 20-DEC-2010 22:20
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465-E-5-C
Misc Info : 360-31465-E-5-C
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.160	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

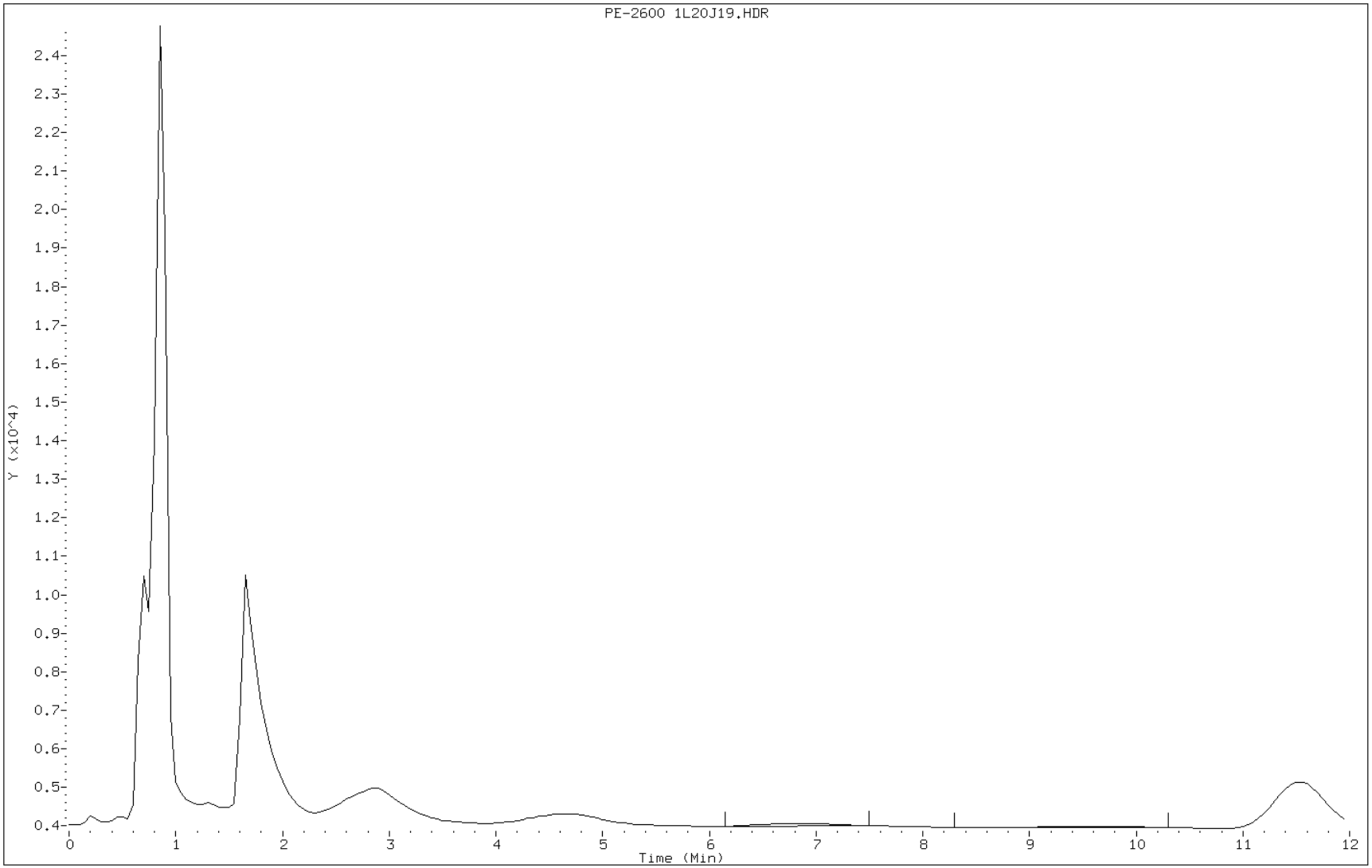
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.					NOT CONF	
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1L20J19.d

Date: 20-DEC-2010 22:20

Client ID: OC-SD-SD-1-XXX Instrument: TLCJUV1.i

Sample Info: 360-31465-E-5-C Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD3-XXX Lab Sample ID: 360-31465-6

Matrix: Solid Lab File ID: 1L20J20.d

Analysis Method: LC65 Date Collected: 12/09/2010 15:45

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.14(g) Date Analyzed: 12/20/2010 22:33

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 24.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		130	5.1

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J20.d
Lab Smp Id: 360-31465-E-6-C Client Smp ID: OC-SD-SD-SD3-XXX
Inj Date : 20-DEC-2010 22:33
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465-E-6-C
Misc Info : 360-31465-E-6-C
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.140	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

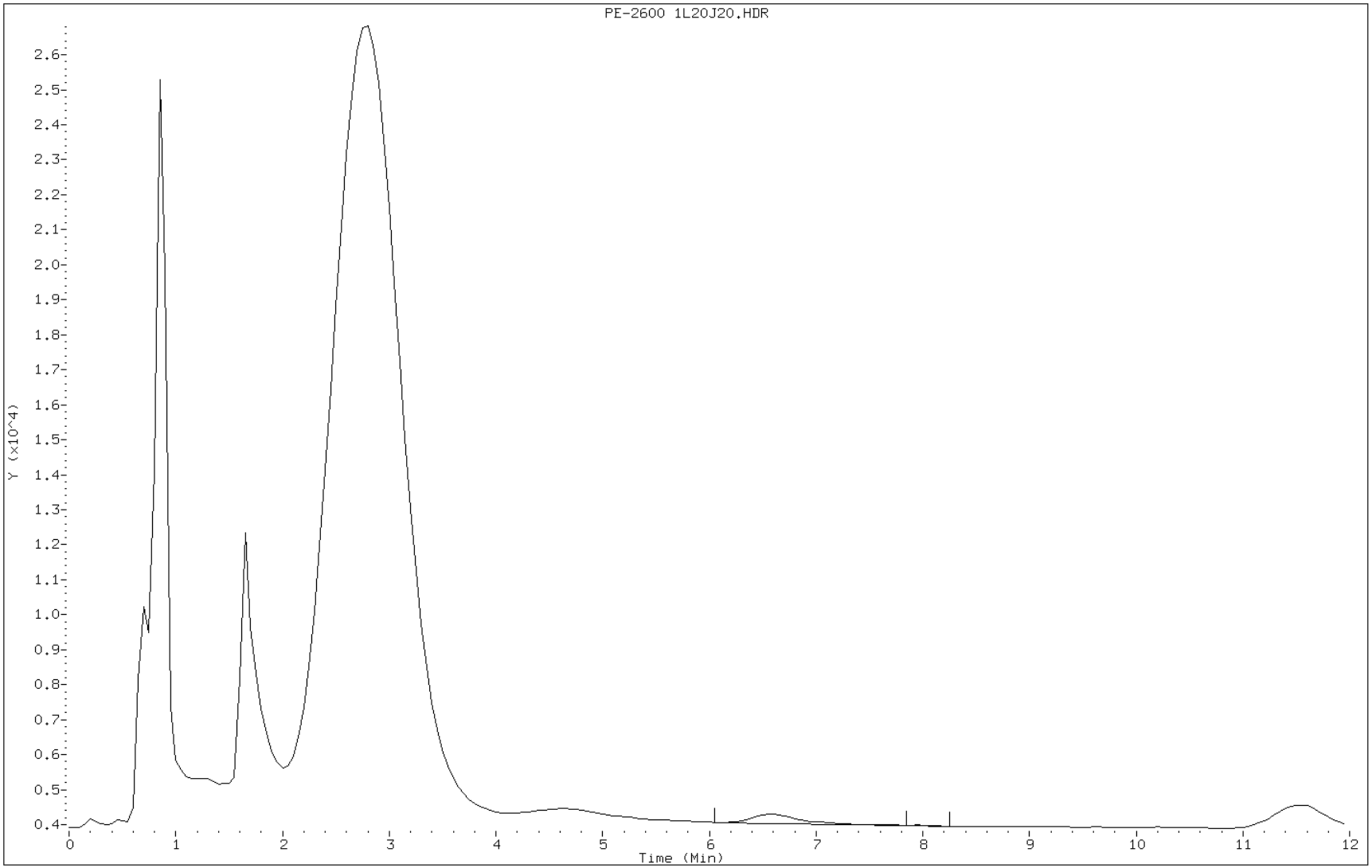
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.					NOT CONF	
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1L20J20.d

Date: 20-DEC-2010 22:33

Client ID: OC-SD-SD-SD3-XXX Instrument: TLCJUV1.i

Sample Info: 360-31465-E-6-C Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SDSW-E-XXX Lab Sample ID: 360-31465-7

Matrix: Solid Lab File ID: 1L20J21.d

Analysis Method: LC65 Date Collected: 12/09/2010 14:40

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.05(g) Date Analyzed: 12/20/2010 22:45

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 22.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		130	5.0

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J21.d
Lab Smp Id: 360-31465-F-7-C Client Smp ID: OC-SD-SDSW-E-XXX
Inj Date : 20-DEC-2010 22:45
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465-F-7-C
Misc Info : 360-31465-F-7-C
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.050	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

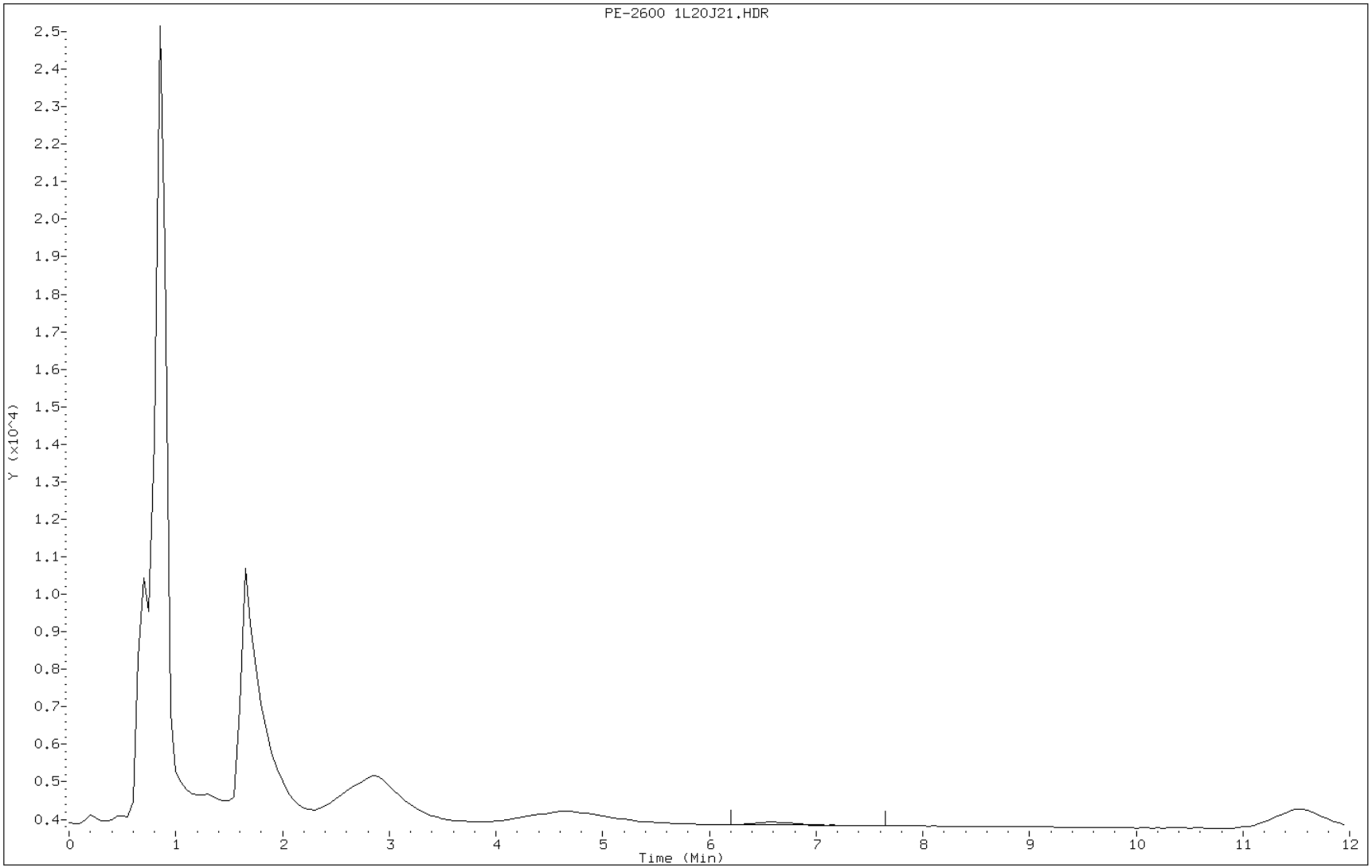
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.					NOT CONF	
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1L20J21.d

Date: 20-DEC-2010 22:45

Client ID: OC-SD-SDSW-E-XXX Instrument: TLCJUV1.i

Sample Info: 360-31465-F-7-C Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-DUP Lab Sample ID: 360-31465-12

Matrix: Solid Lab File ID: 1L20J22.d

Analysis Method: LC65 Date Collected: 12/10/2010 09:00

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.13(g) Date Analyzed: 12/20/2010 22:58

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 42.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		170	6.7

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J22.d
Lab Smp Id: 360-31465-H-12-C Client Smp ID: OC-SD-SD-SD2-DUP
Inj Date : 20-DEC-2010 22:58
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465-H-12-C
Misc Info : 360-31465-H-12-C
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.130	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

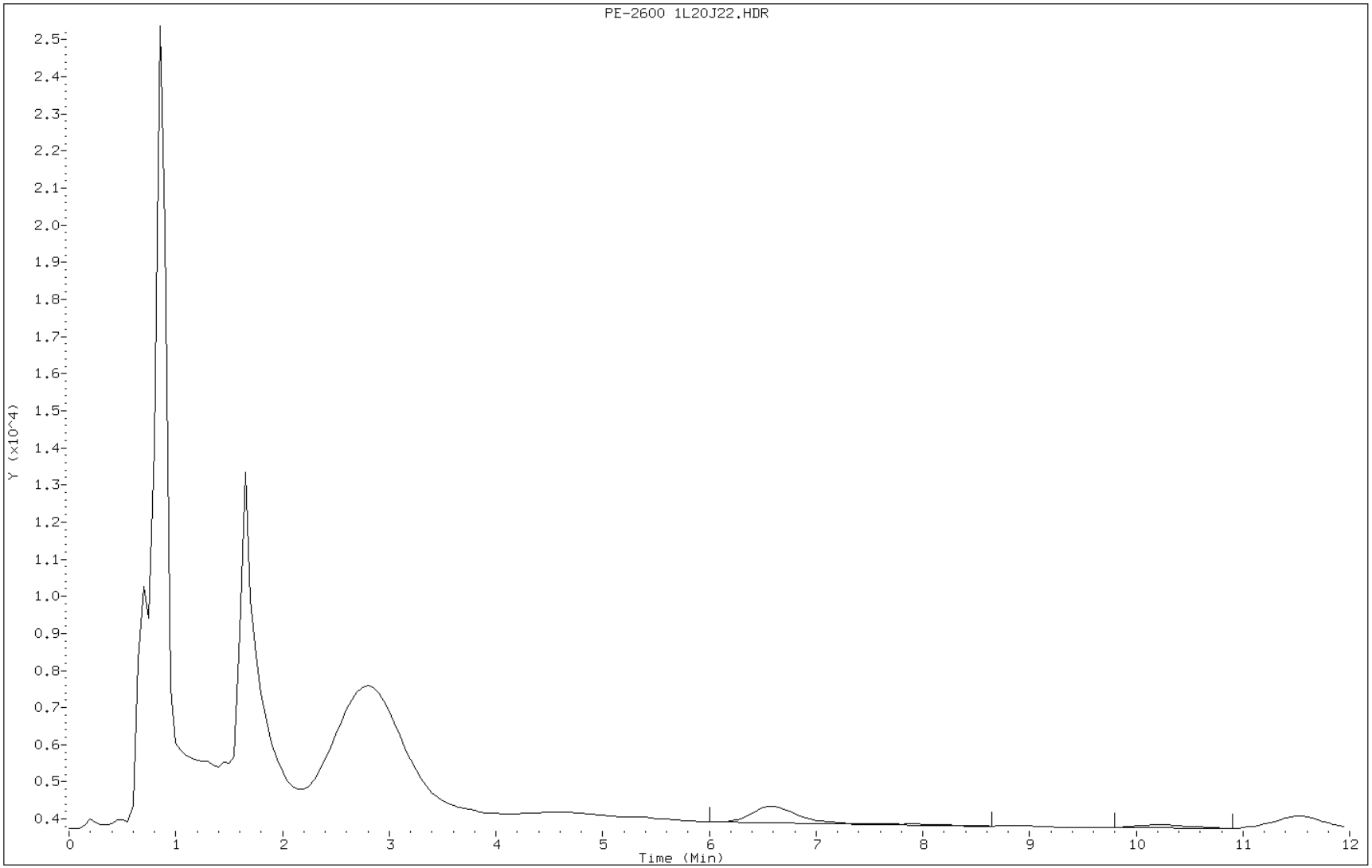
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.					NOT CONF	
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1L20J22.d

Date: 20-DEC-2010 22:58

Client ID: OC-SD-SD-SD2-DUP Instrument: TLCJUV1.i

Sample Info: 360-31465-H-12-C Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX Lab Sample ID: 360-31465-13

Matrix: Solid Lab File ID: 1L20J23.d

Analysis Method: LC65 Date Collected: 12/10/2010 09:00

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.12(g) Date Analyzed: 12/20/2010 23:11

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		160	6.3

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J23.d
Lab Smp Id: 360-31465-G-13-E Client Smp ID: OC-SD-SD-SD2-XXX
Inj Date : 20-DEC-2010 23:11
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465-G-13-E
Misc Info : 360-31465-G-13-E
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.120	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

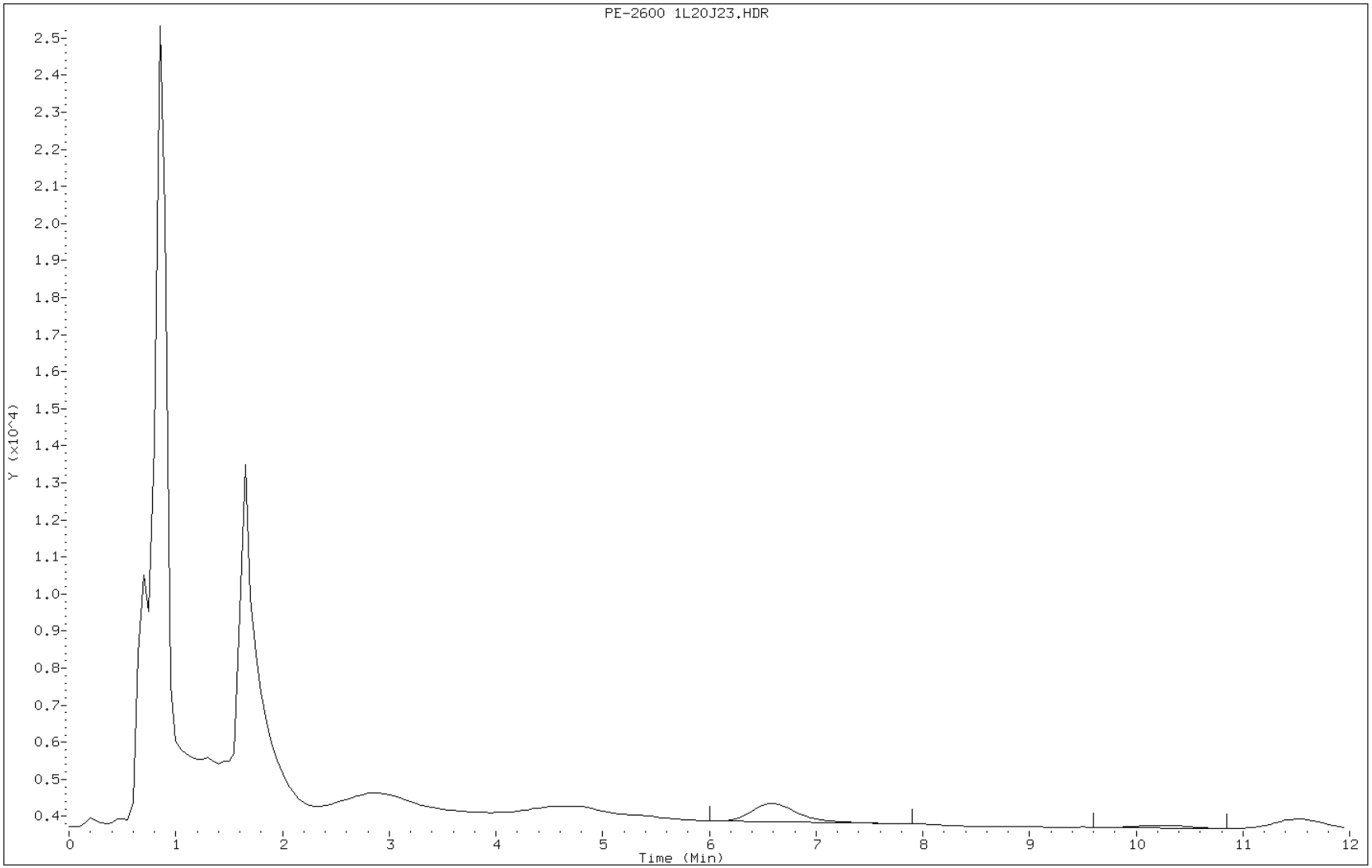
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	Compound Not Detected.					NOT CONF	
2 Maleic Acid_Maleic Anhydride	Compound Not Detected.						

Data File: 1L20J23.d

Date: 20-DEC-2010 23:11

Client ID: OC-SD-SD-SD2 Instrument: TLCJUV1.i

Sample Info: 360-31465-G-13-E Operator: RD



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75457

SDG No.: 360-31465-1

Instrument ID: LCJ GC Column: LC-NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2010 14:02 Calibration End Date: 11/23/2010 14:28 Calibration ID: 735

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75457/1	2K23J1.d
Level 2	IC 640-75457/12	2K23J2.d
Level 3	IC 640-75457/16	2K23J3.d

ANALYTE	LVL 1	LVL 2	LVL 3								RT WINDOW	AVG RT
Phthalic Acid/Phthalic anhydride	7.400	7.393	7.325								6.937 - 7.667	7.372
Maleic Acid/Maleic anhydride	9.372	9.352	9.345								8.797 - 9.723	9.356

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75457

SDG No.: 360-31465-1

Instrument ID: LCJ GC Column: LC-NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2010 14:02 Calibration End Date: 11/23/2010 14:28 Calibration ID: 735

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75457/1	2K23J1.d
Level 2	IC 640-75457/12	2K23J2.d
Level 3	IC 640-75457/16	2K23J3.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3			B	M1	M2								
Phthalic Acid/Phthalic	6630.0	5834.0	6004.8		Ave		6156.26667				6.8		10.0			
Maleic Acid/Maleic	4090.0	3632.0	3564.3		Ave		3762.10000				7.6		10.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75457

SDG No.: 360-31465-1

Instrument ID: LCJ GC Column: LC-NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2010 14:02 Calibration End Date: 11/23/2010 14:28 Calibration ID: 735

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75457/1	2K23J1.d
Level 2	IC 640-75457/12	2K23J2.d
Level 3	IC 640-75457/16	2K23J3.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phthalic Acid/Phthalic anhydride	Ave	663	2917	60048			0.100	0.500	10.0		
Maleic Acid/Maleic anhydride	Ave	409	1816	35643			0.100	0.500	10.0		

Curve Type Legend:

Ave = Average by Height

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\2K23J1.d
Lab Smp Id: C1.4-13-83-3 Client Smp ID: C1.4-13-83-3
Inj Date : 23-NOV-2010 14:02
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C1.4-13-83-3
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\PHTH-MAL-ANEX.m
Meth Date : 29-Nov-2010 13:23 TLCJUV1.i Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06.sub
Target Version: 4.14
Processing Host: TALLM05A

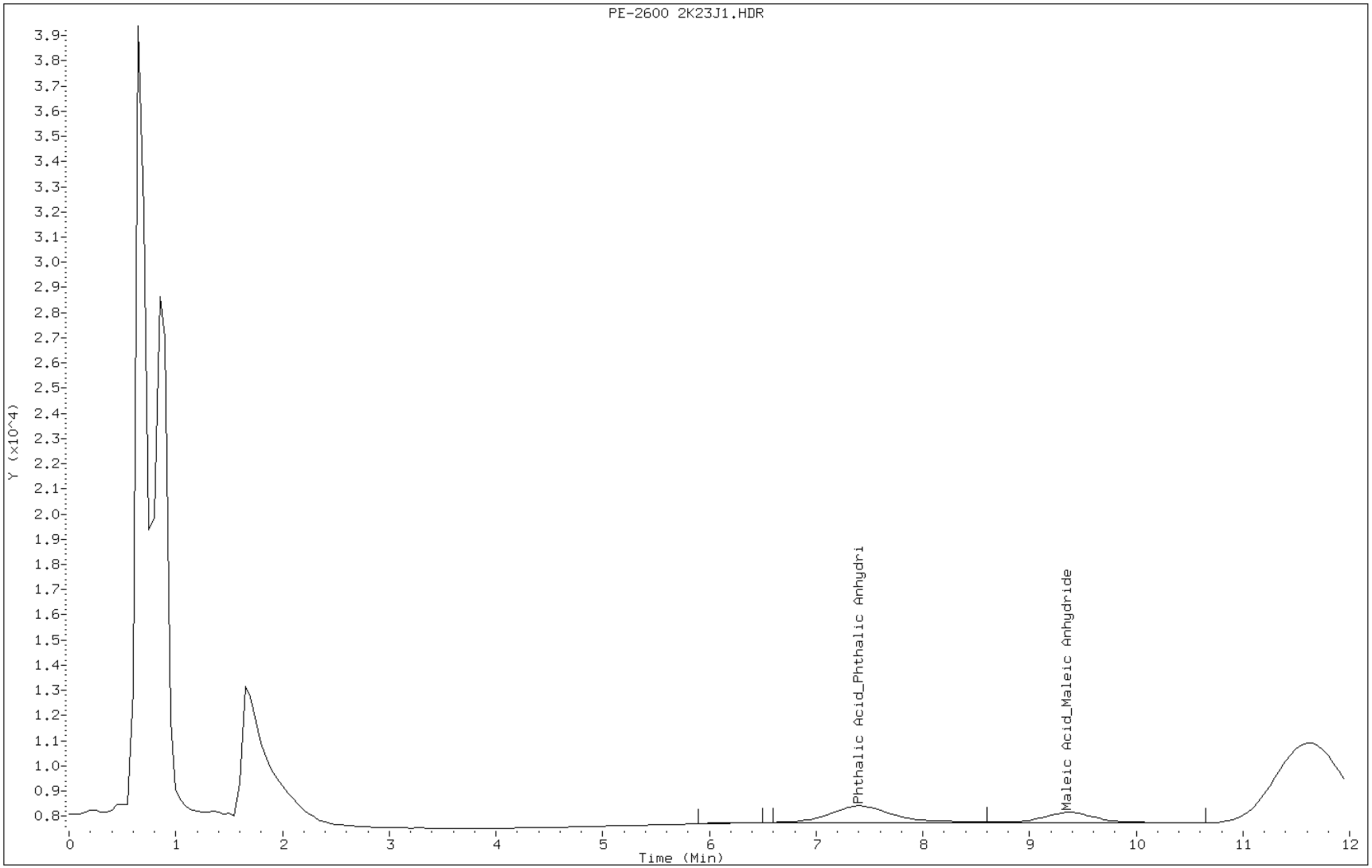
					AMOUNTS		
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	7.400	7.400	0.000	663	0.10000	0.108	
2 Maleic Acid_Maleic Anhydride	9.371	9.371	0.000	409	0.10000	0.109	

Data File: 2K23J1.d

Date: 23-NOV-2010 14:02

Client ID: C1.4-13-83-3 Instrument: TLCJUV1.i

Sample Info: C1.4-13-83-3 Operator: DS



TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\2K23J2.d
Lab Smp Id: C2.4-13-83-4 Client Smp ID: C2.4-13-83-4
Inj Date : 23-NOV-2010 14:15
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C2.4-13-83-4
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\PHTH-MAL-ANEX.m
Meth Date : 29-Nov-2010 13:23 TLCJUV1.i Quant Type: ESTD
Cal Date : 23-NOV-2010 14:02 Cal File: 2K23J1.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06.sub
Target Version: 4.14
Processing Host: TALLM05A

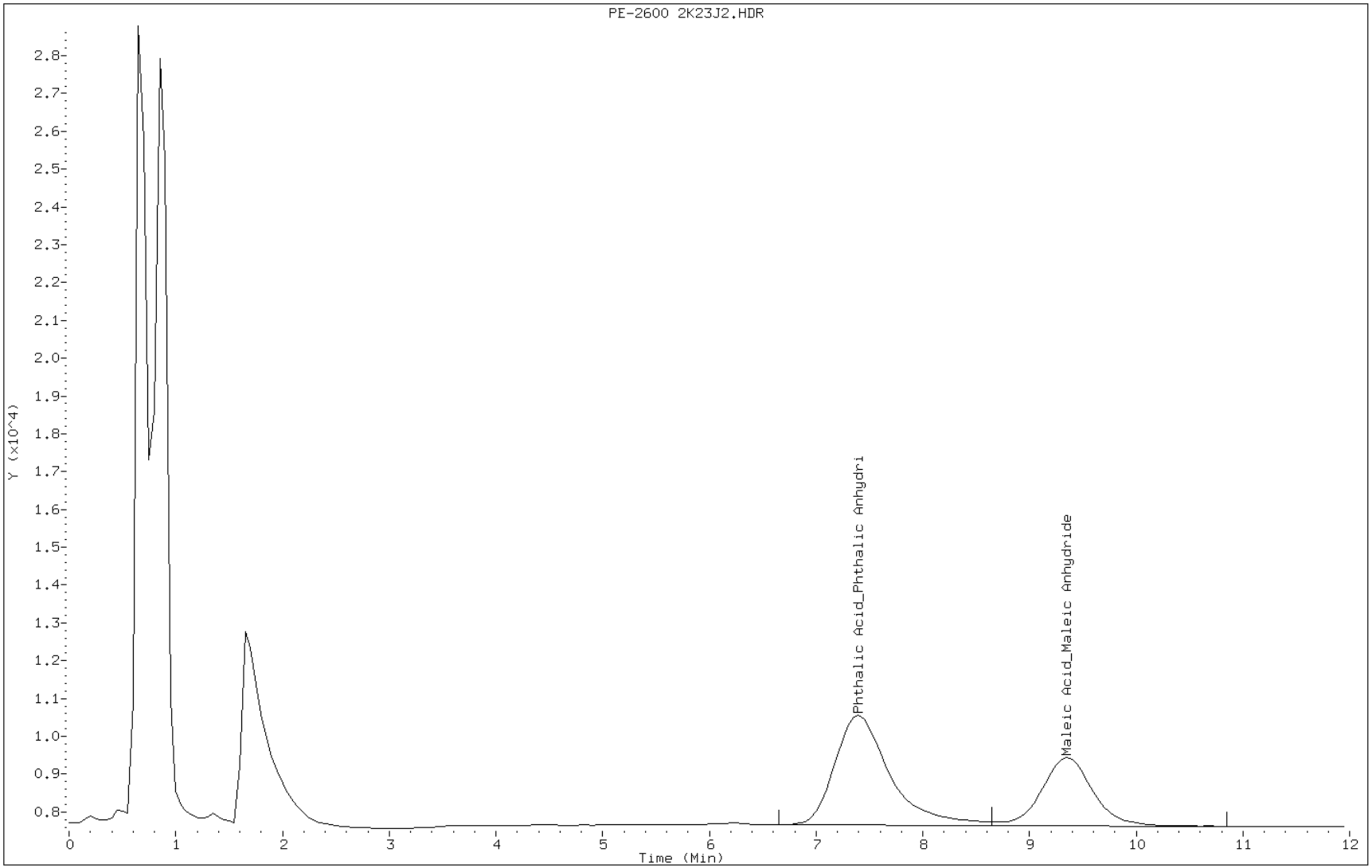
					AMOUNTS		
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	7.392	7.392	0.000	2917	0.50000	0.474	
2 Maleic Acid_Maleic Anhydride	9.351	9.351	0.000	1816	0.50000	0.483	

Data File: 2K23J2.d

Date: 23-NOV-2010 14:15

Client ID: C2.4-13-83-4 Instrument: TLCJUV1.i

Sample Info: C2.4-13-83-4 Operator: DS



TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\2K23J3.d
Lab Smp Id: C3.4-13-83-5 Client Smp ID: C3.4-13-83-5
Inj Date : 23-NOV-2010 14:28
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C3.4-13-83-5
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\PHTH-MAL-ANEX.m
Meth Date : 29-Nov-2010 13:23 TLCJUV1.i Quant Type: ESTD
Cal Date : 23-NOV-2010 14:15 Cal File: 2K23J2.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06.sub
Target Version: 4.14
Processing Host: TALLM05A

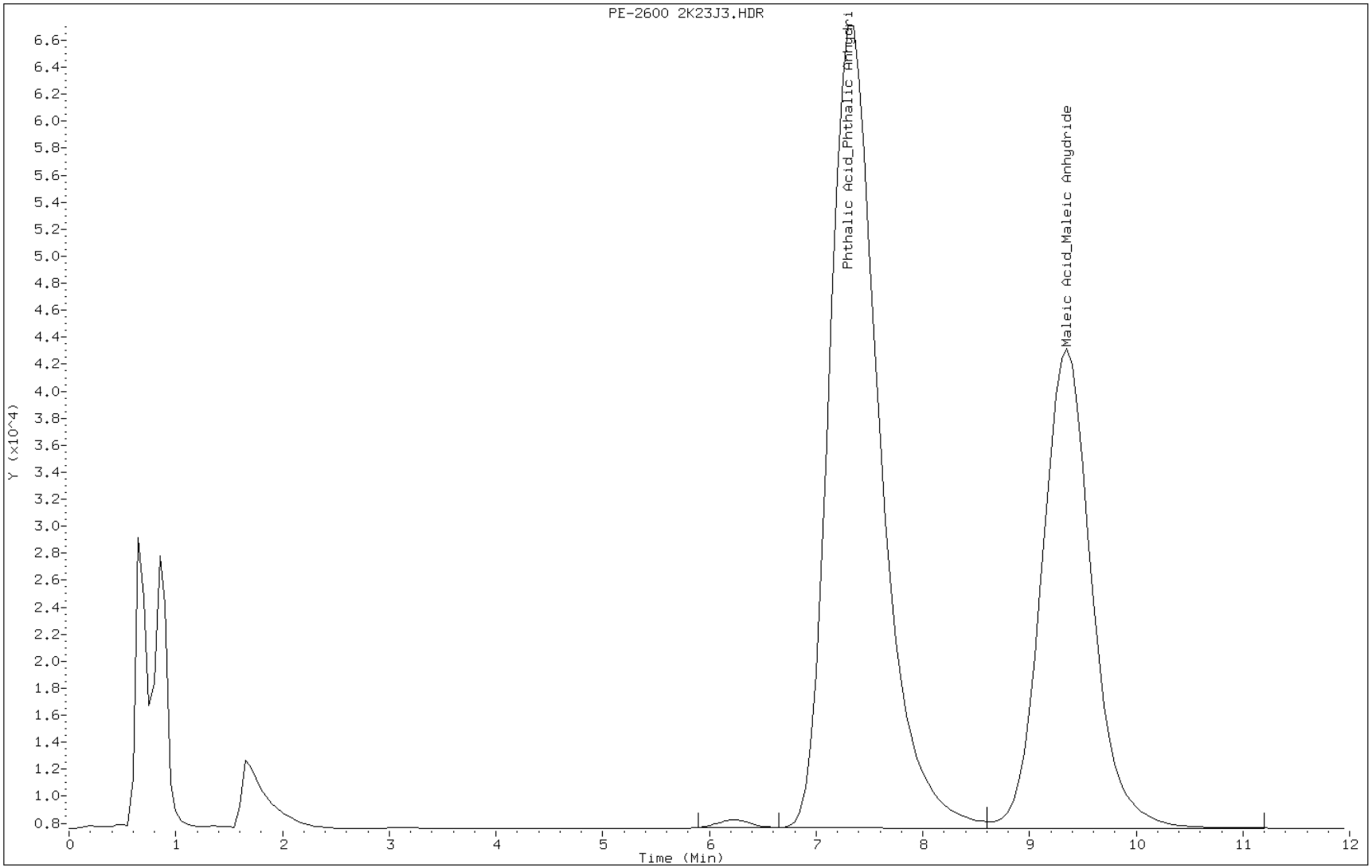
					AMOUNTS		
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	7.324	7.324	0.000	60048	10.0000	9.75	
2 Maleic Acid_Maleic Anhydride	9.344	9.344	0.000	35643	10.0000	9.47	

Data File: 2K23J3.d

Date: 23-NOV-2010 14:28

Client ID: C3.4-13-83-5 Instrument: TLCJUV1.i

Sample Info: C3.4-13-83-5 Operator: DS



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75680

SDG No.: 360-31465-1

Instrument ID: LCJ GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2010 14:53 Calibration End Date: 12/01/2010 15:11 Calibration ID: 758

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75680/8	1L01J2.d
Level 2	IC 640-75680/9	1L01J3.d
Level 3	IC 640-75680/10	1L01J4.d

ANALYTE	LVL 1	LVL 2	LVL 3								RT WINDOW	AVG RT
Phthalic Acid/Phthalic anhydride	4.015	4.021	4.019								3.782 - 4.097	4.018
Maleic Acid/Maleic anhydride	5.101	5.119	5.120								4.826 - 5.228	5.113

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75680

SDG No.: 360-31465-1

Instrument ID: LCJ GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2010 14:53 Calibration End Date: 12/01/2010 15:11 Calibration ID: 758

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75680/8	1L01J2.d
Level 2	IC 640-75680/9	1L01J3.d
Level 3	IC 640-75680/10	1L01J4.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3			B	M1	M2								
Phthalic Acid/Phthalic	505420	506024	513348		Ave		508264.033				0.9		10.0			
Maleic Acid/Maleic	13960	14570	14430		Ave		14319.9667				2.2		10.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1 Analy Batch No.: 75680

SDG No.: 360-31465-1

Instrument ID: LCJ GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2010 14:53 Calibration End Date: 12/01/2010 15:11 Calibration ID: 758

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRT 640-75680/8	1L01J2.d
Level 2	IC 640-75680/9	1L01J3.d
Level 3	IC 640-75680/10	1L01J4.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phthalic Acid/Phthalic anhydride	Ave	50542	253012	5133481			0.100	0.500	10.0		
Maleic Acid/Maleic anhydride	Ave	1396	7285	144299			0.100	0.500	10.0		

Curve Type Legend:
Ave = Average

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL01J.b\1L01J2.d
Lab Smp Id: C1.4-13-83-11A Client Smp ID: C1.4-13-83-11A
Inj Date : 01-DEC-2010 14:53
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C1.4-13-83-11A
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL01J.b\PHTH-MAL-C8.m
Meth Date : 01-Dec-2010 15:36 smithdn Quant Type: ESTD
Cal Date : 01-DEC-2010 14:53 Cal File: 1L01J2.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALSG01

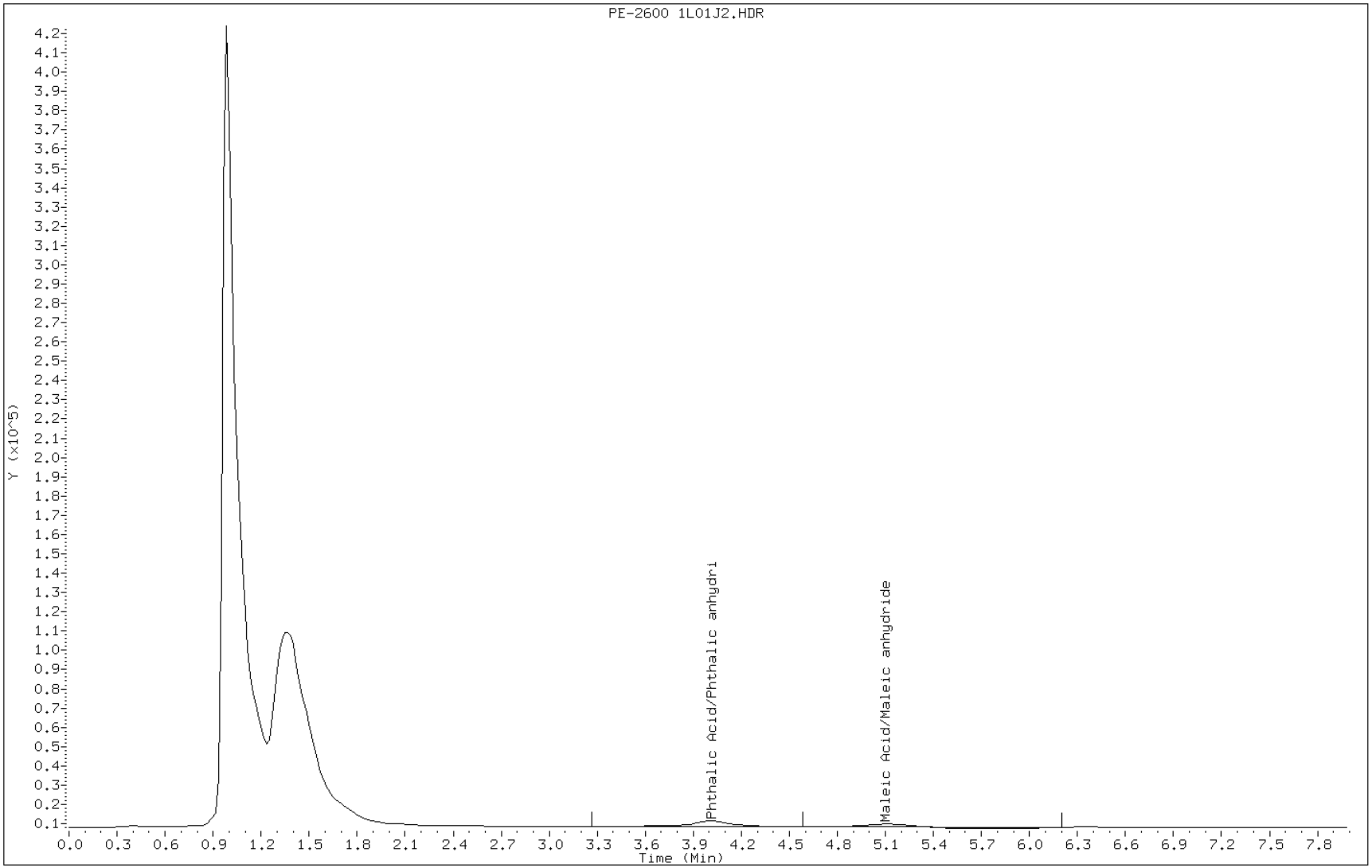
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic anhydri	4.015	4.015	0.000	50542	0.10000	0.100	
2 Maleic Acid/Maleic anhydride	5.100	5.100	0.000	1396	0.10000	0.100	

Data File: 1L01J2.d

Date: 01-DEC-2010 14:53

Client ID: C1.4-13-83-11A Instrument: TLCJUV1.i

Sample Info: C1.4-13-83-11A Operator: DS



TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL01J.b\1L01J3.d
Lab Smp Id: C2.4-13-83-12A Client Smp ID: C2.4-13-83-12A
Inj Date : 01-DEC-2010 15:02
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C2.4-13-83-12A
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL01J.b\PHTH-MAL-C8.m
Meth Date : 01-Dec-2010 15:36 smithdn Quant Type: ESTD
Cal Date : 01-DEC-2010 15:02 Cal File: 1L01J3.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALSG01

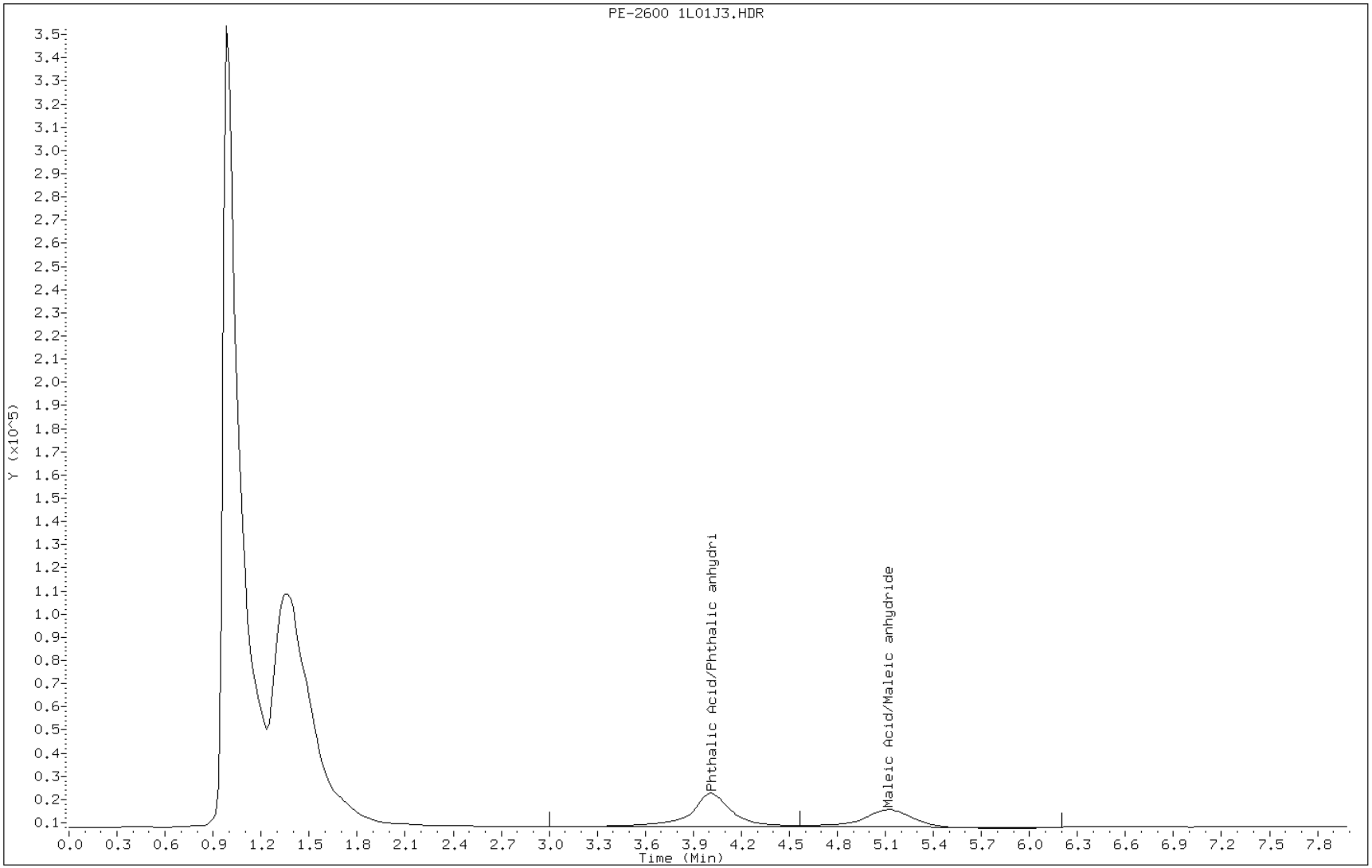
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic anhydri	4.020	4.020	0.000	253012	0.50000	0.500	
2 Maleic Acid/Maleic anhydride	5.118	5.118	0.000	7285	0.50000	0.500	

Data File: 1L01J3.d

Date: 01-DEC-2010 15:02

Client ID: C2.4-13-83-12A Instrument: TLCJUV1.i

Sample Info: C2.4-13-83-12A Operator: DS



TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL01J.b\1L01J4.d
Lab Smp Id: C3.4-13-83-13A Client Smp ID: C3.4-13-83-13A
Inj Date : 01-DEC-2010 15:11
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C3.4-13-83-13A
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL01J.b\PHTH-MAL-C8.m
Meth Date : 01-Dec-2010 15:36 smithdn Quant Type: ESTD
Cal Date : 01-DEC-2010 15:11 Cal File: 1L01J4.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALSG01

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic anhydri	4.018	4.018	0.000	5133481	10.0000	10.1(A)	
2 Maleic Acid/Maleic anhydride	5.119	5.119	0.000	144299	10.0000	10.0	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 1L01J4.d

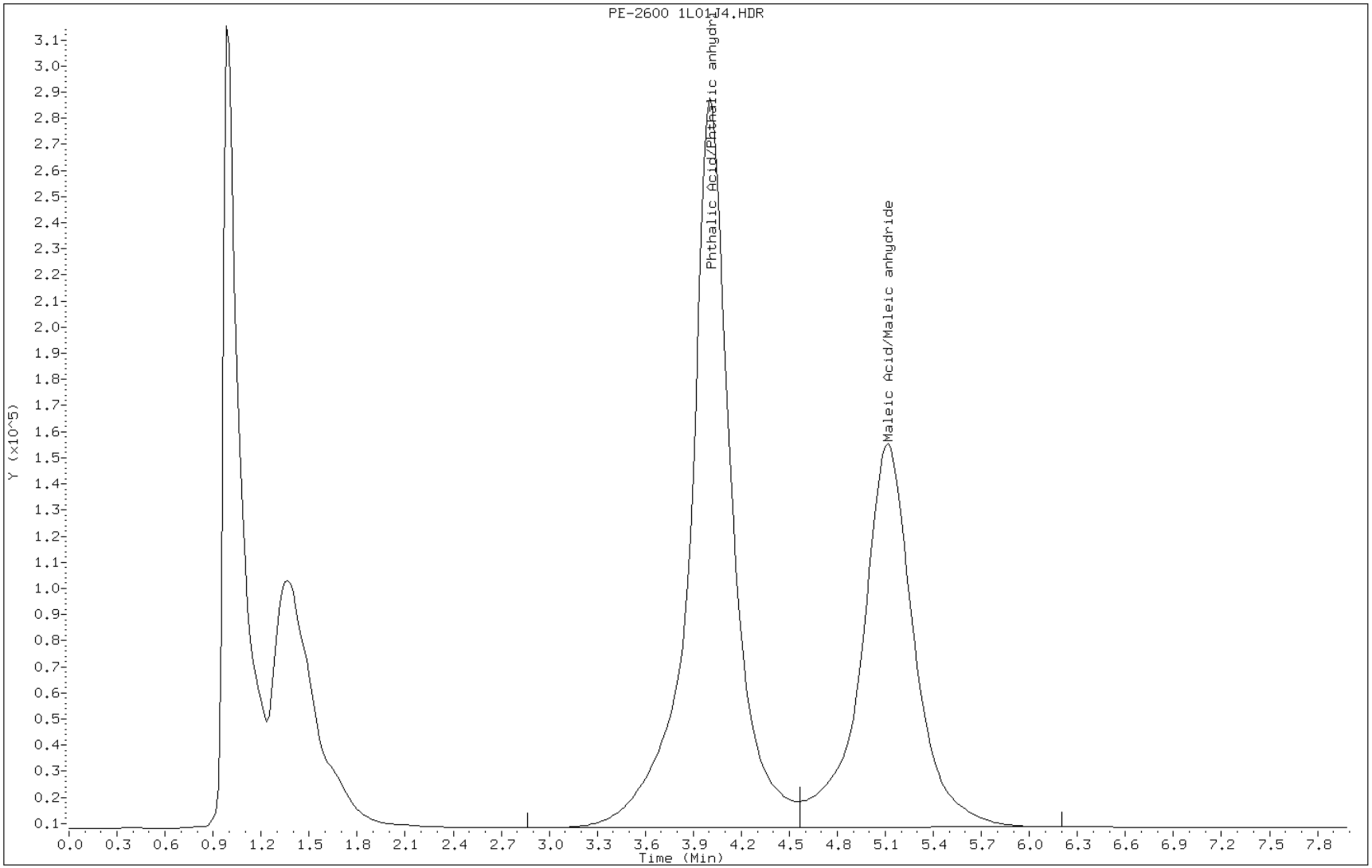
Date: 01-DEC-2010 15:11

Client ID: C3.4-13-83-13A

Instrument: TLCJUV1.i

Sample Info: C3.4-13-83-13A

Operator: DS



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICV 640-75457/18 Calibration Date: 11/23/2010 16:56

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 2K23J8.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3694	5733		0.466	0.500	-6.9	30.0
Maleic Acid/Maleic anhydride	Ave	2257	3758		0.499	0.500	-0.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICV 640-75457/18 Calibration Date: 11/23/2010 16:56

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 2K23J8.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	7.38	6.94	7.67
Maleic Acid/Maleic anhydride	9.34	8.80	9.72

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\2K23J8.d
Lab Smp Id: ICV.4-13-83-9 Client Smp ID: ICV.4-13-83-9
Inj Date : 23-NOV-2010 16:56
Operator : DS Inst ID: TLCJUV1.i
Smp Info : ICV.4-13-83-9
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\2JK23.b\PHTH-MAL-ANEX.m
Meth Date : 29-Nov-2010 13:23 TLCJUV1.i Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Final Volume
Vo	50.000	Sample Volume
A	1000.000	mL to L conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

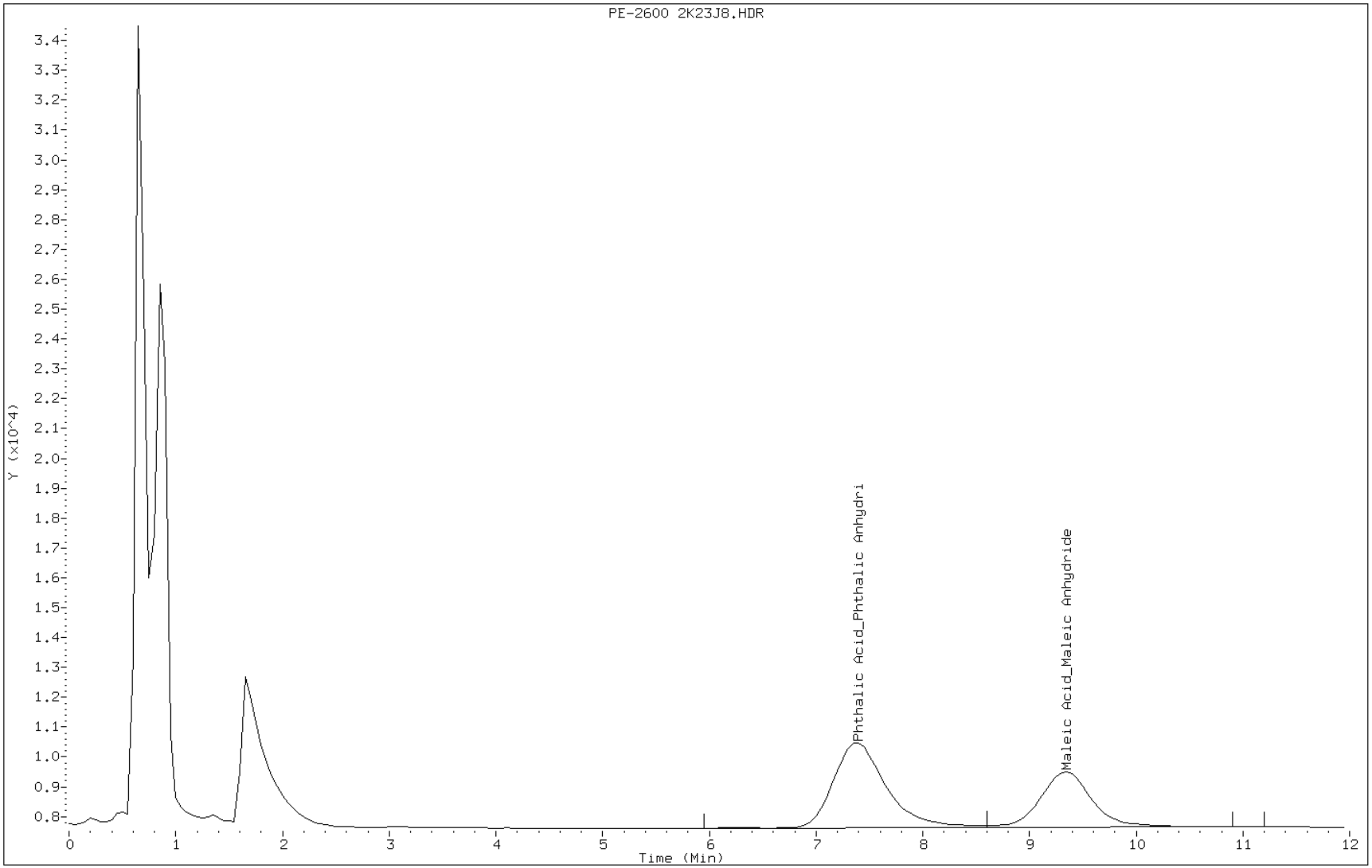
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	7.379	7.324	0.055	2867	0.46570	37.2	
2 Maleic Acid_Maleic Anhydride	9.340	9.344	-0.004	1878	0.49919	39.9	

Data File: 2K23J8.d

Date: 23-NOV-2010 16:56

Client ID: ICV.4-13-83-9 Instrument: TLCJUV1.i

Sample Info: ICV.4-13-83-9 Operator: DS



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 640-76132/23 Calibration Date: 12/20/2010 18:11

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 1L20J1.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3694	6238		0.506	0.500	1.3	20.0
Maleic Acid/Maleic anhydride	Ave	2257	3774		0.502	0.500	0.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 640-76132/23 Calibration Date: 12/20/2010 18:11

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 1L20J1.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	6.69	6.33	7.00
Maleic Acid/Maleic anhydride	8.89	8.40	9.29

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J1.d
Lab Smp Id: M2_00020 Client Smp ID: M2_00020
Inj Date : 20-DEC-2010 18:11
Operator : RD Inst ID: TLCJUV1.i
Smp Info : M2_00020
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

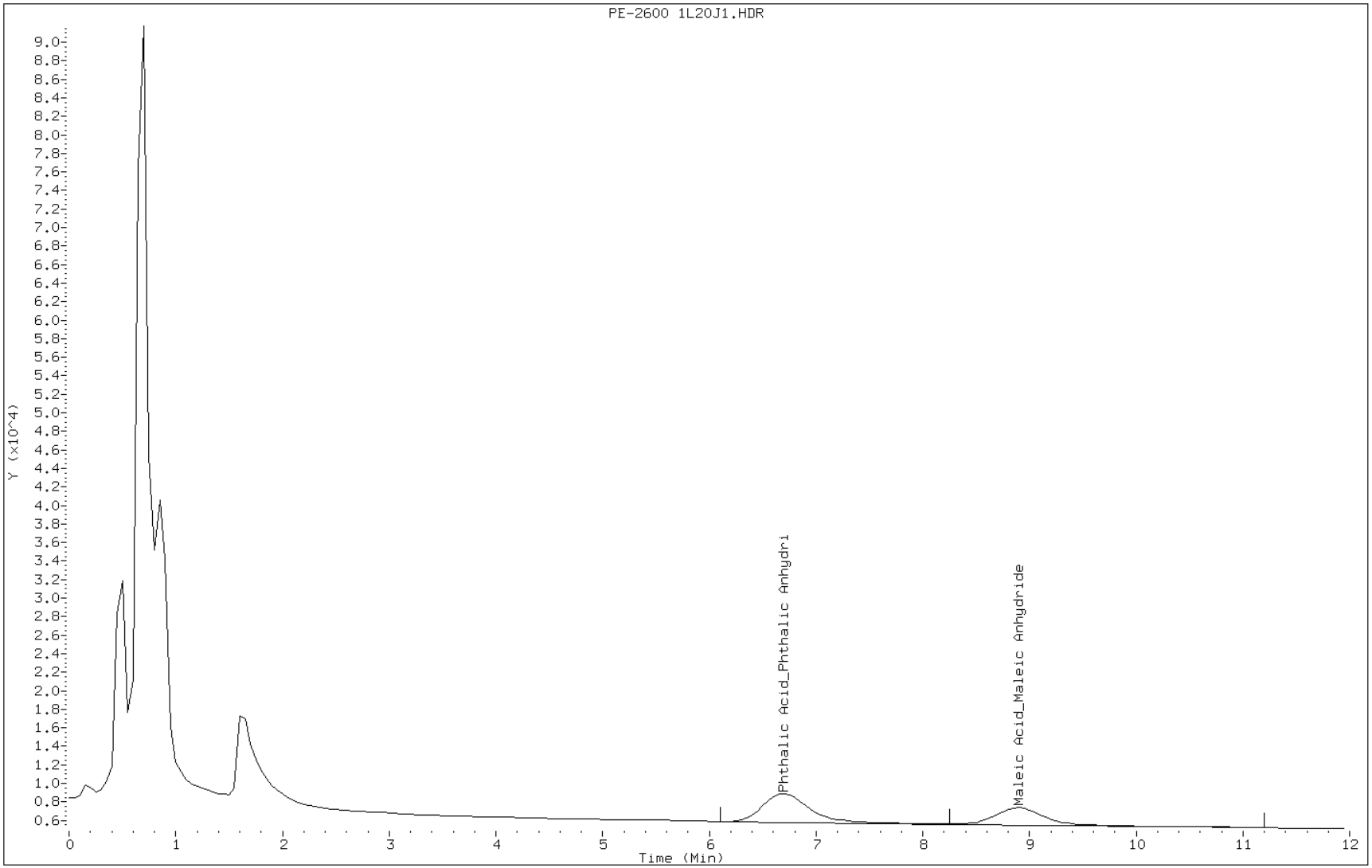
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.689	6.689	0.000	3117	0.50000	0.506	
2 Maleic Acid_Maleic Anhydride	8.893	8.893	0.000	1887	0.50000	0.502	

Data File: 1L20J1.d

Date: 20-DEC-2010 18:11

Client ID: M2_00020 Instrument: TLCJUV1.i

Sample Info: M2_00020 Operator: RD



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-76132/24 Calibration Date: 12/20/2010 21:15

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 1L20J14.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3694	6352		0.516	0.500	3.2	20.0
Maleic Acid/Maleic anhydride	Ave	2257	3808		0.506	0.500	1.2	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-76132/24 Calibration Date: 12/20/2010 21:15

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 1L20J14.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	6.67	6.33	7.00
Maleic Acid/Maleic anhydride	8.87	8.40	9.29

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J14.d
Lab Smp Id: M2_00020 Client Smp ID: M2_00020
Inj Date : 20-DEC-2010 21:15
Operator : RD Inst ID: TLCJUV1.i
Smp Info : M2_00020
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

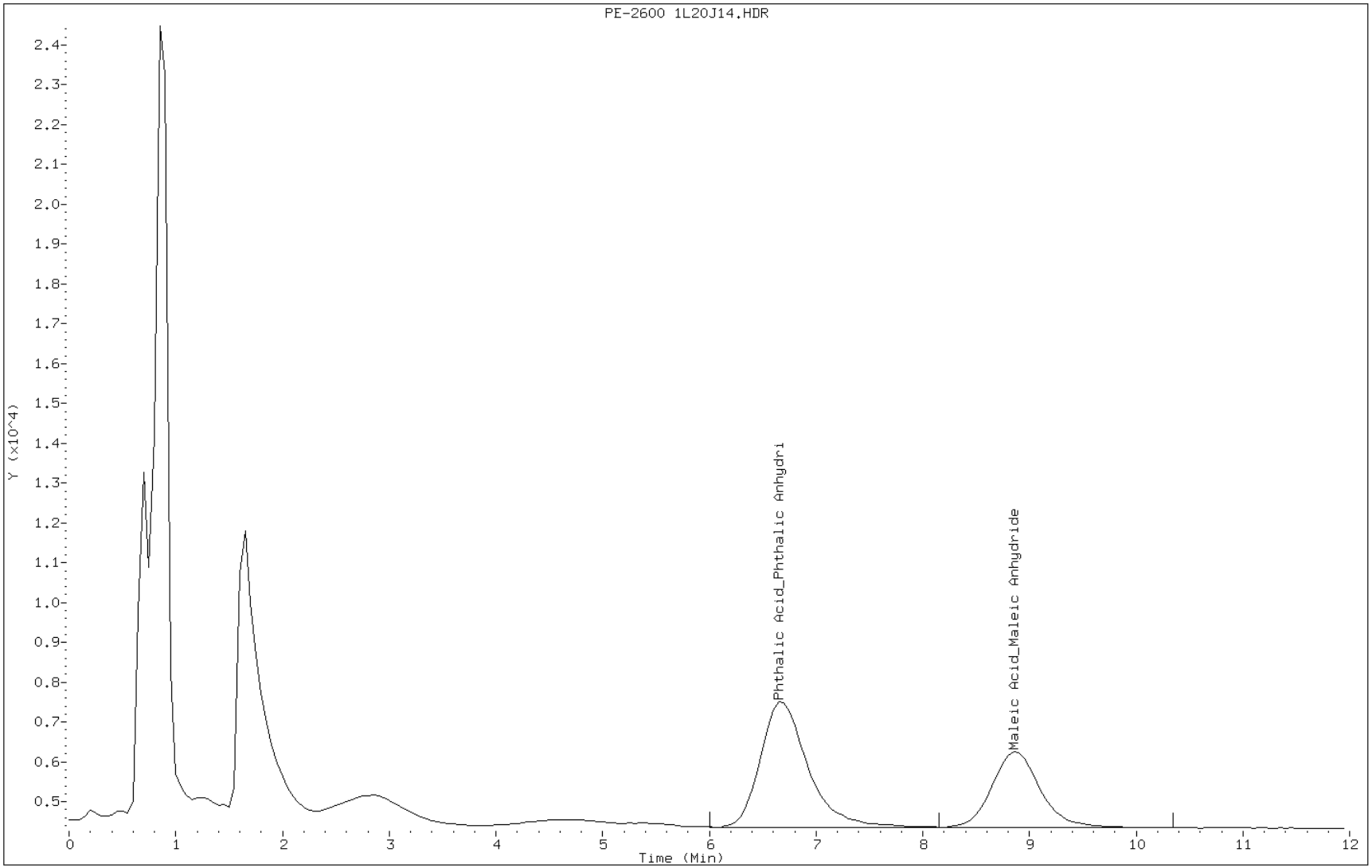
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.671	6.671	0.000	3174	0.50000	0.516	
2 Maleic Acid_Maleic Anhydride	8.866	8.866	0.000	1904	0.50000	0.506	

Data File: 1L20J14.d

Date: 20-DEC-2010 21:15

Client ID: M2_00020 Instrument: TLCJUV1.i

Sample Info: M2_00020 Operator: RD



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-76132/25 Calibration Date: 12/20/2010 23:50

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 1L20J26.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3694	6240		0.506	0.500	1.4	20.0
Maleic Acid/Maleic anhydride	Ave	2257	3776		0.502	0.500	0.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-76132/25 Calibration Date: 12/20/2010 23:50

Instrument ID: LCJ Calib Start Date: 11/23/2010 14:02

GC Column: LC-NH2 ID: 4.60(mm) Calib End Date: 11/23/2010 14:28

Lab File ID: 1L20J26.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	6.67	6.33	7.00
Maleic Acid/Maleic anhydride	8.84	8.40	9.29

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J26.d
Lab Smp Id: M2_00020 Client Smp ID: M2_00020
Inj Date : 20-DEC-2010 23:50
Operator : RD Inst ID: TLCJUV1.i
Smp Info : M2_00020
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

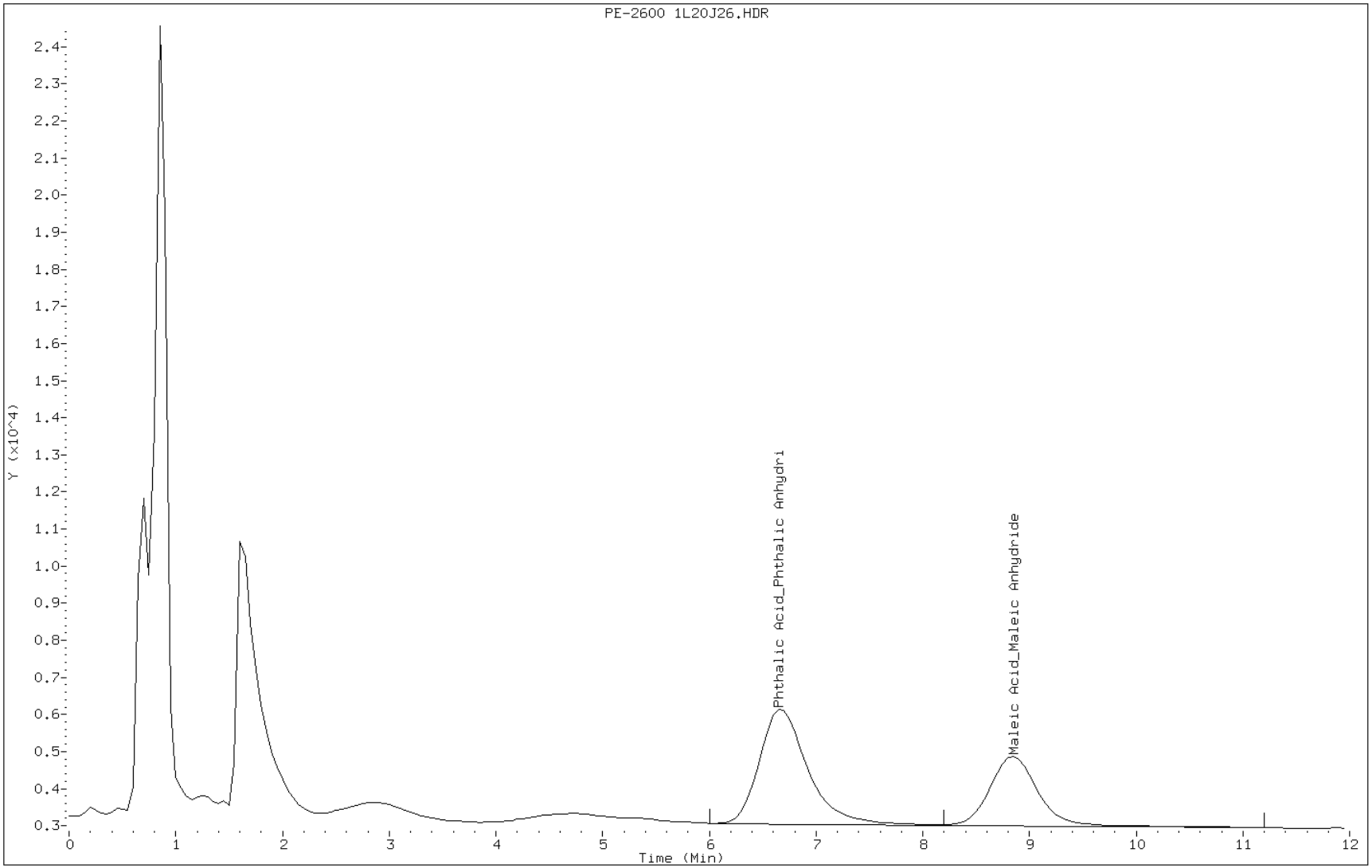
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.665	6.665	0.000	3118	0.50000	0.506	
2 Maleic Acid_Maleic Anhydride	8.843	8.843	0.000	1888	0.50000	0.502	

Data File: 1L20J26.d

Date: 20-DEC-2010 23:50

Client ID: M2_00020 Instrument: TLCJUV1.i

Sample Info: M2_00020 Operator: RD



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 640-76198/1 Calibration Date: 12/21/2010 14:18

Instrument ID: LCJ Calib Start Date: 12/01/2010 14:53

GC Column: LC-C18 ID: Calib End Date: 12/01/2010 15:11

Lab File ID: 2L21J1.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	508264	489016		0.481	0.500	-3.8	20.0
Maleic Acid/Maleic anhydride	Ave	14320	14087		0.492	0.500	-1.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCVRT 640-76198/1 Calibration Date: 12/21/2010 14:18

Instrument ID: LCJ Calib Start Date: 12/01/2010 14:53

GC Column: LC-C18 ID: Calib End Date: 12/01/2010 15:11

Lab File ID: 2L21J1.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	4.03	3.87	4.19
Maleic Acid/Maleic anhydride	5.18	4.97	5.39

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\2JL21J.b\2L21J1.d
Lab Smp Id: M2_00020 Client Smp ID: M2_00020
Inj Date : 21-DEC-2010 14:18
Operator : Inst ID: TLCJUV1.i
Smp Info : M2_00020
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\2JL21J.b\PHTH-MAL-C8.m
Meth Date : 21-Dec-2010 16:57 TLCJUV1.i Quant Type: ESTD
Cal Date : 01-DEC-2010 15:11 Cal File: 1L01J4.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

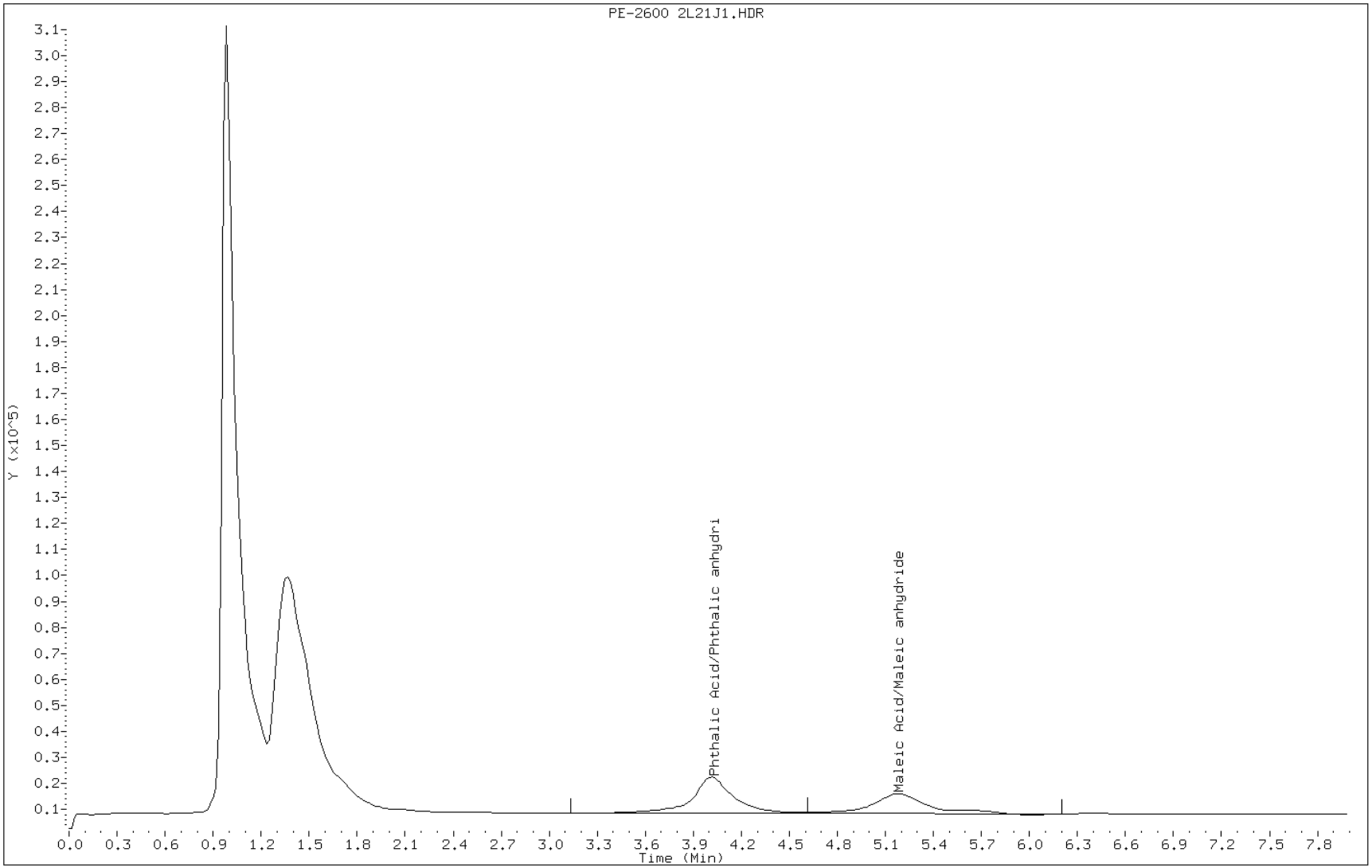
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic anhydri	4.031	4.031	0.000	244356	0.50000	0.481	
2 Maleic Acid/Maleic anhydride	5.181	5.181	0.000	7043	0.50000	0.492	

Data File: 2L21J1.d

Date: 21-DEC-2010 14:18

Client ID: M2_00020 Instrument: TLCJUV1.i

Sample Info: M2_00020 Operator:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-76198/2 Calibration Date: 12/21/2010 15:59

Instrument ID: LCJ Calib Start Date: 12/01/2010 14:53

GC Column: LC-C18 ID: Calib End Date: 12/01/2010 15:11

Lab File ID: 2L21J10.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	508264	484107		0.476	0.500	-4.8	20.0
Maleic Acid/Maleic anhydride	Ave	14320	13995		0.489	0.500	-2.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: CCV 640-76198/2 Calibration Date: 12/21/2010 15:59

Instrument ID: LCJ Calib Start Date: 12/01/2010 14:53

GC Column: LC-C18 ID: Calib End Date: 12/01/2010 15:11

Lab File ID: 2L21J10.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	4.03	3.87	4.19
Maleic Acid/Maleic anhydride	5.18	4.97	5.39

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\2JL21J.b\2L21J10.d
Lab Smp Id: M2_00020 Client Smp ID: M2_00020
Inj Date : 21-DEC-2010 15:59
Operator : Inst ID: TLCJUV1.i
Smp Info : M2_00020
Misc Info : LC65 C8
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\2JL21J.b\PHTH-MAL-C8.m
Meth Date : 21-Dec-2010 16:57 TLCJUV1.i Quant Type: ESTD
Cal Date : 01-DEC-2010 15:11 Cal File: 1L01J4.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

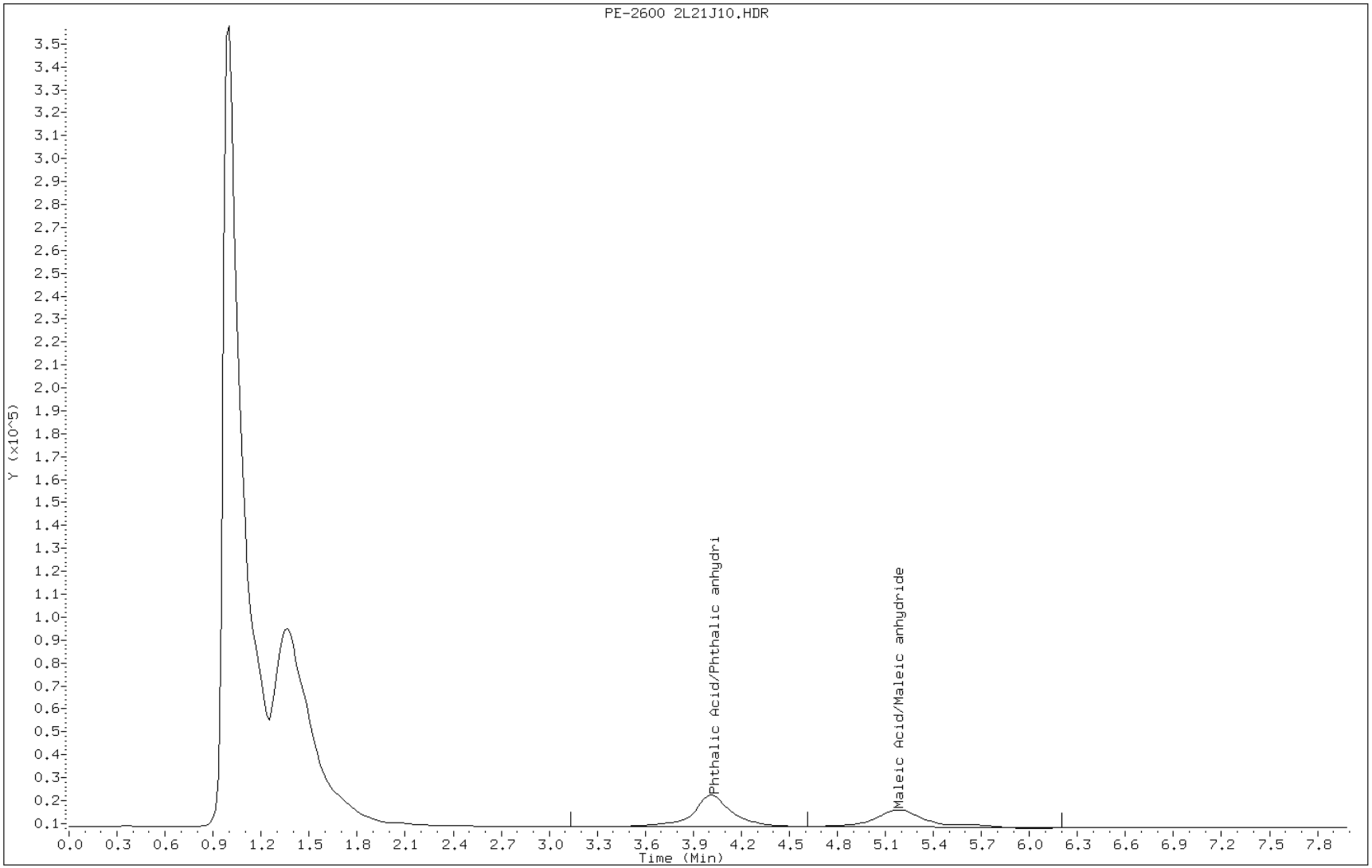
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic anhydri	4.028	4.028	0.000	241903	0.50000	0.476	
2 Maleic Acid/Maleic anhydride	5.181	5.181	0.000	6997	0.50000	0.489	

Data File: 2L21J10.d

Date: 21-DEC-2010 15:59

Client ID: M2_00020 Instrument: TLCJUV1.i

Sample Info: M2_00020 Operator:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCS 640-75851/2-A

Matrix: Solid Lab File ID: 1L20J16.d

Analysis Method: LC65 Date Collected:

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.05(g) Date Analyzed: 12/20/2010 21:41

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

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

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	310		99	3.9

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J16.d
Lab Smp Id: LCS 640-75851/2A Client Smp ID: 75851MBLCS
Inj Date : 20-DEC-2010 21:41
Operator : RD Inst ID: TLCJUV1.i
Smp Info : LCS 640-75851/2A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

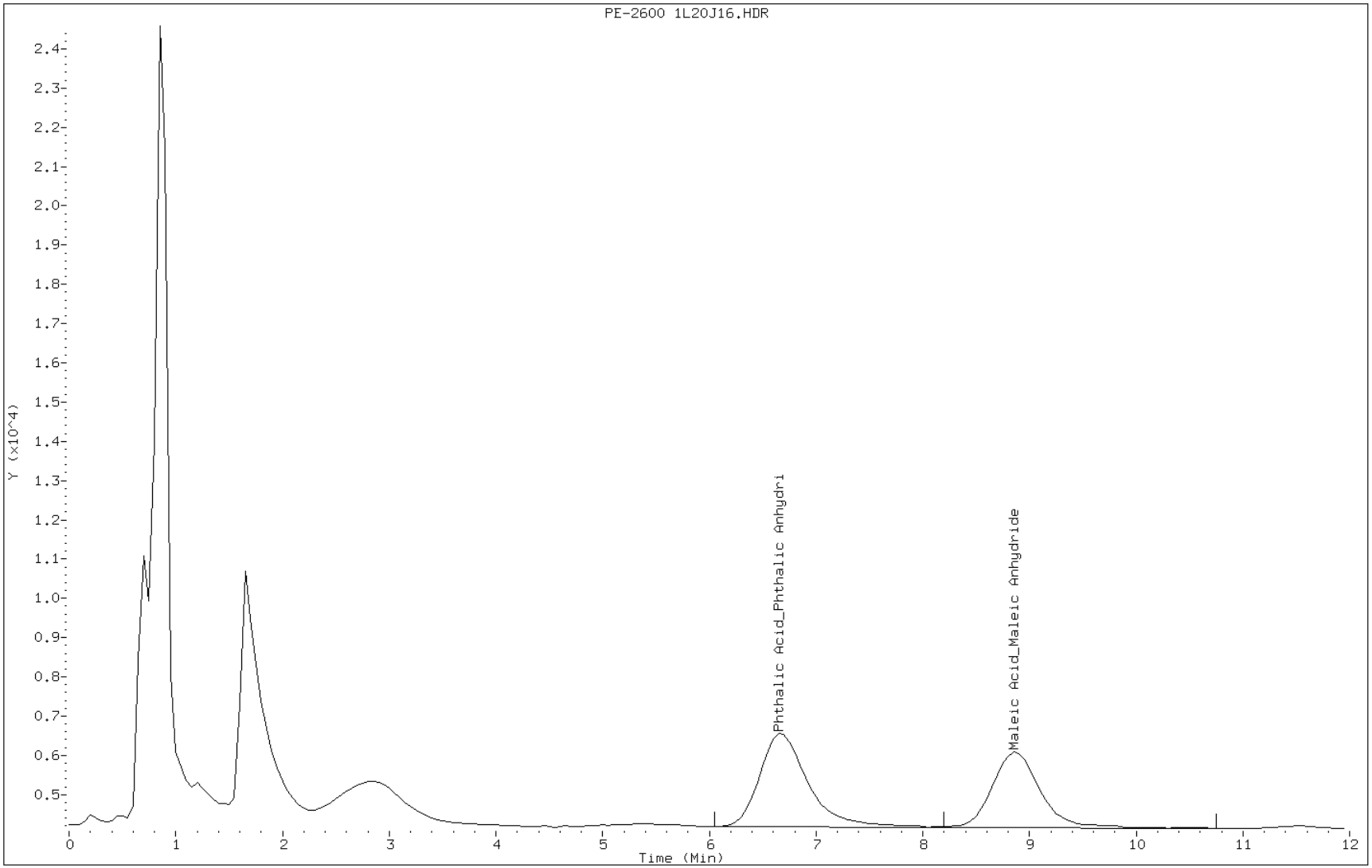
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.664	6.671	-0.007	2408	0.39115	313	
2 Maleic Acid_Maleic Anhydride	8.862	8.866	-0.004	1940	0.51567	412	

Data File: 1L20J16.d

Date: 20-DEC-2010 21:41

Client ID: 75851MBLCS Instrument: TLCJUV1.i

Sample Info: LCS 640-75851/2A Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: Lab Sample ID: LCSD 640-75851/3-A

Matrix: Solid Lab File ID: 1L20J17.d

Analysis Method: LC65 Date Collected:

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.05(g) Date Analyzed: 12/20/2010 21:54

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

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

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	314		99	3.9

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J17.d
Lab Smp Id: LCSD 640-75851/3A Client Smp ID: 75851MBLCSD
Inj Date : 20-DEC-2010 21:54
Operator : RD Inst ID: TLCJUV1.i
Smp Info : LCSD 640-75851/3A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

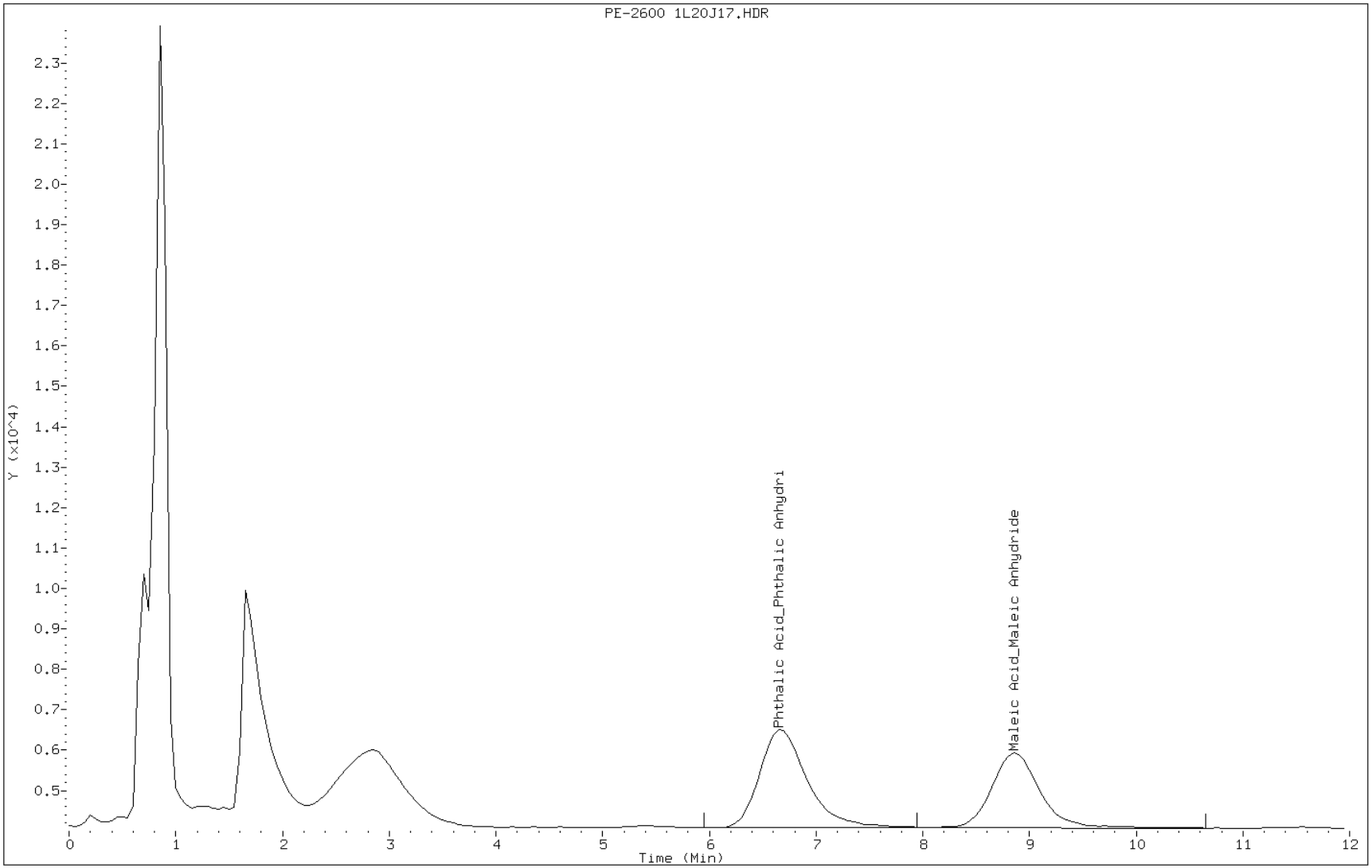
					CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	
Compounds	RT	EXP RT	DLT RT	RESPONSE			REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.665	6.671	-0.006	2442	0.39667	317	
2 Maleic Acid_Maleic Anhydride	8.861	8.866	-0.005	1868	0.49653	397	

Data File: 1L20J17.d

Date: 20-DEC-2010 21:54

Client ID: 75851MBLCSD Instrument: TLCJUV1.i

Sample Info: LCSD 640-75851/3A Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MS Lab Sample ID: 360-31465-13 MS

Matrix: Solid Lab File ID: 1L20J24.d

Analysis Method: LC65 Date Collected: 12/10/2010 09:00

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.01(g) Date Analyzed: 12/20/2010 23:24

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	564		170	6.5

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid
Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J24.d
Lab Smp Id: 360-31465G13F MS Client Smp ID: OC-SD-SD-SD2MS
Inj Date : 20-DEC-2010 23:24
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465G13F MS
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

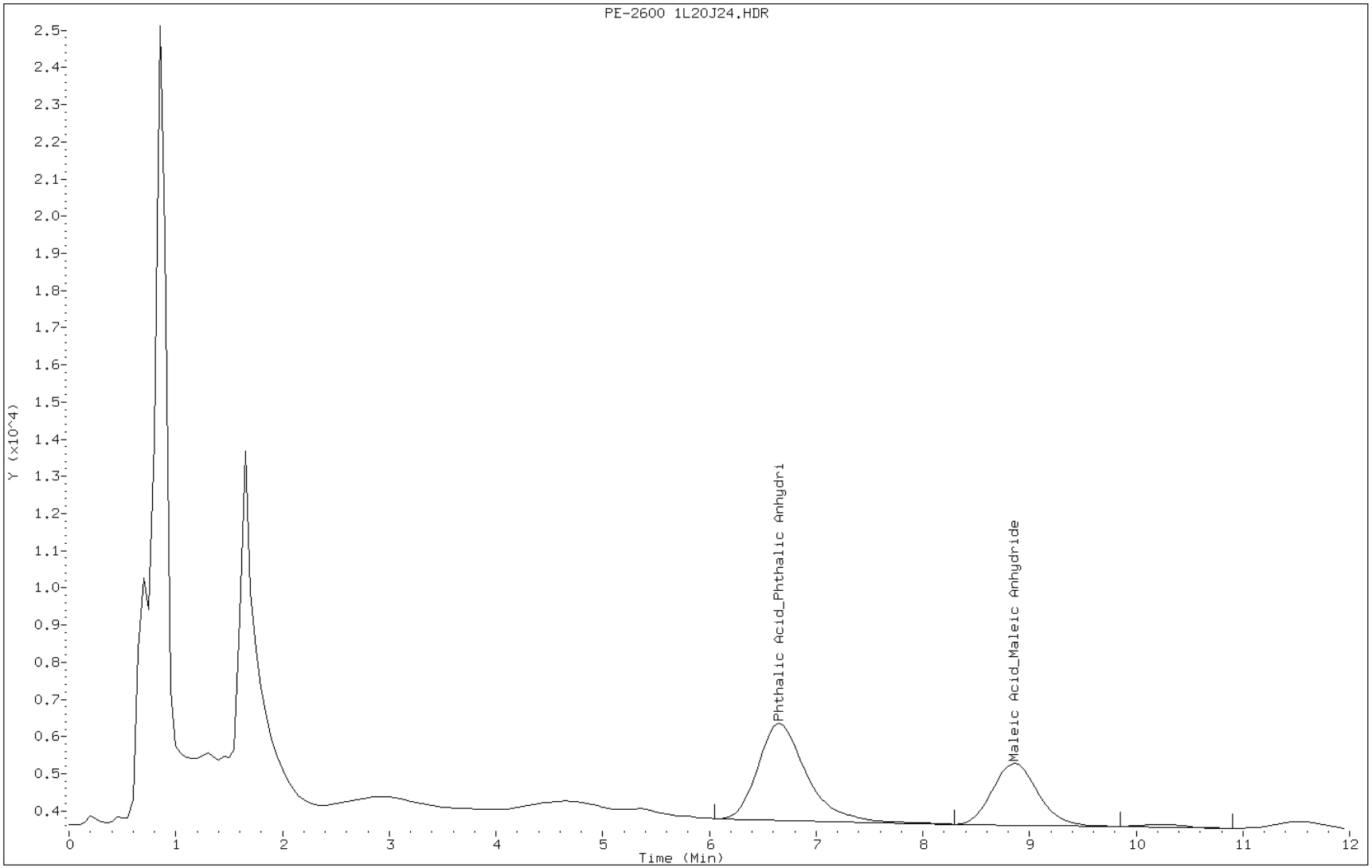
					CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	
Compounds	RT	EXP RT	DLT RT	RESPONSE			REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.652	6.671	-0.019	2619	0.42542	340	
2 Maleic Acid_Maleic Anhydride	8.858	8.866	-0.008	1680	0.44656	357	

Data File: 1L20J24.d

Date: 20-DEC-2010 23:24

Client ID: OC-SD-SD-SD2MS Instrument: TLCJUV1.i

Sample Info: 360-31465G13F MS Operator: RD



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Client Sample ID: OC-SD-SD-SD2-XXX MSD Lab Sample ID: 360-31465-13 MSD

Matrix: Solid Lab File ID: 1L20J25.d

Analysis Method: LC65 Date Collected: 12/10/2010 09:00

Extraction Method: LC65 Date Extracted: 12/14/2010 11:20

Sample wt/vol: 5.16(g) Date Analyzed: 12/20/2010 23:37

Con. Extract Vol.: 4(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: LC-NH2 ID: 4.6(mm)

% Moisture: 39.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76132 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	547		160	6.3

TestAmerica Tallahassee

Semivolatile Report-LC65 Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\1L20J25.d
Lab Smp Id: 360-31465G13G MSD Client Smp ID: OC-SD-SD-SD2MSD
Inj Date : 20-DEC-2010 23:37
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-31465G13G MSD
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JL20J.b\PHTH-MAL-ANEX.m
Meth Date : 21-Dec-2010 10:31 rdriver Quant Type: ESTD
Cal Date : 23-NOV-2010 14:28 Cal File: 2K23J3.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all11J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

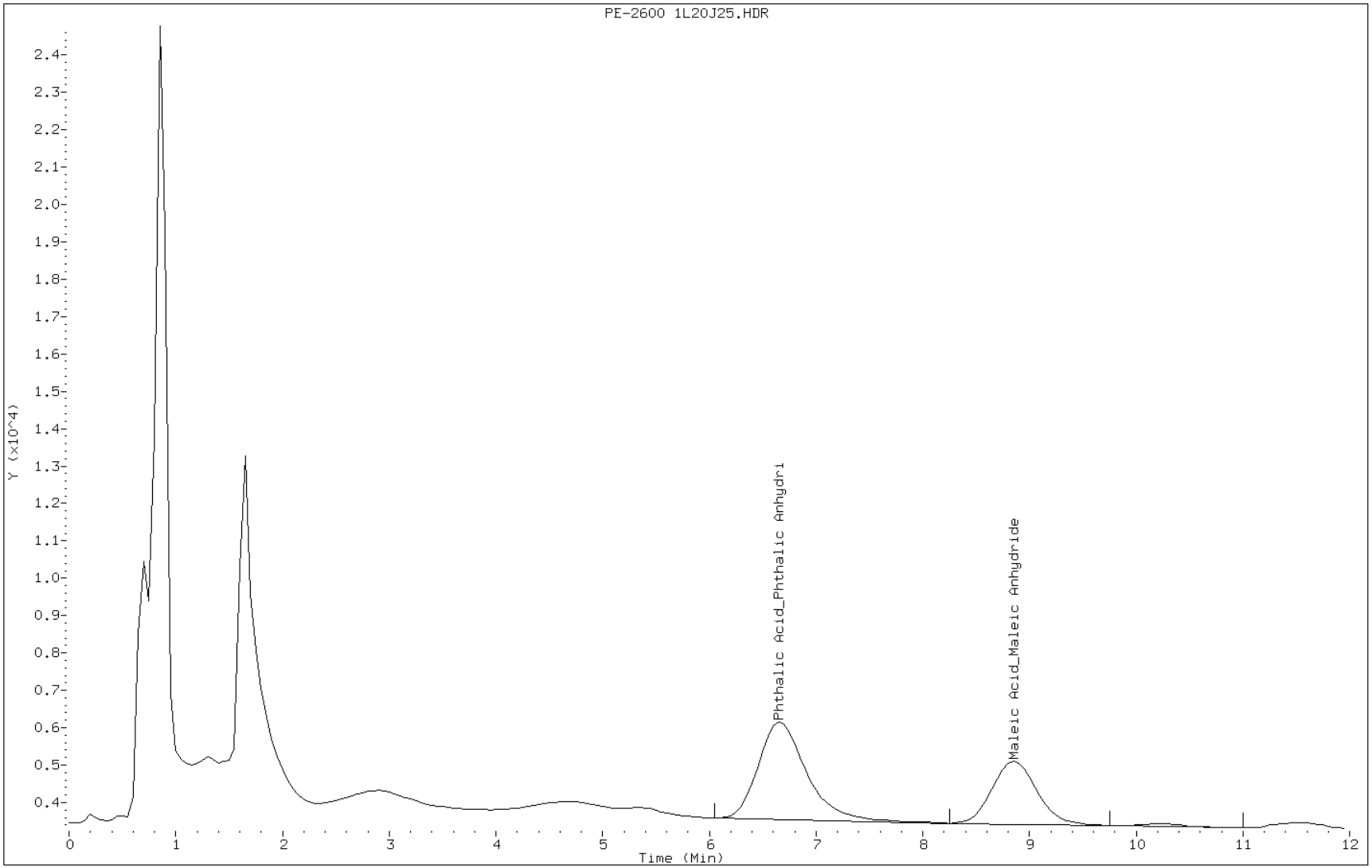
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid_Phthalic Anhydri	6.654	6.671	-0.017	2619	0.42542	340	
2 Maleic Acid_Maleic Anhydride	8.854	8.866	-0.012	1694	0.45028	360	

Data File: 1L20J25.d

Date: 20-DEC-2010 23:37

Client ID: OC-SD-SD-SD2MSD Instrument: TLCJUV1.i

Sample Info: 360-31465G13G MSD Operator: RD



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: LCJ Start Date: 11/23/2010 14:02

Analysis Batch Number: 75457 End Date: 11/23/2010 22:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICRT 640-75457/1		11/23/2010 14:02	1	2K23J1.d	LC-NH2 4.6(mm)
IC 640-75457/12		11/23/2010 14:15	1	2K23J2.d	LC-NH2 4.6(mm)
IC 640-75457/16		11/23/2010 14:28	1	2K23J3.d	LC-NH2 4.6(mm)
ICV 640-75457/18		11/23/2010 16:56	1	2K23J8.d	LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 17:17	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 17:30	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 17:43	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 17:56	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 18:09	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 18:22	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 18:35	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 18:47	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 19:00	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 19:13	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 19:26	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 19:39	1		LC-NH2 4.6(mm)
ZZZZZ		11/23/2010 19:52	1		LC-NH2 4.6(mm)
CCV 640-75457/15		11/23/2010 21:34	1		LC-NH2 4.6(mm)
CCV 640-75457/17		11/23/2010 22:26	1		LC-NH2 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: LCJ Start Date: 12/01/2010 14:53

Analysis Batch Number: 75680 End Date: 12/01/2010 17:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICRT 640-75680/8		12/01/2010 14:53	1	1L01J2.d	LC-C18
IC 640-75680/9		12/01/2010 15:02	1	1L01J3.d	LC-C18
IC 640-75680/10		12/01/2010 15:11	1	1L01J4.d	LC-C18
ICV 640-75680/11		12/01/2010 15:20	1		LC-C18
ZZZZZ		12/01/2010 15:39	1		LC-C18
ZZZZZ		12/01/2010 15:48	1		LC-C18
ZZZZZ		12/01/2010 15:57	1		LC-C18
ZZZZZ		12/01/2010 16:06	1		LC-C18
ZZZZZ		12/01/2010 16:15	1		LC-C18
ZZZZZ		12/01/2010 16:24	1		LC-C18
ZZZZZ		12/01/2010 16:33	1		LC-C18
ZZZZZ		12/01/2010 16:42	1		LC-C18
ZZZZZ		12/01/2010 16:51	1		LC-C18
ZZZZZ		12/01/2010 17:00	1		LC-C18
CCV 640-75680/7		12/01/2010 17:09	1		LC-C18

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: LCJ Start Date: 12/20/2010 18:11

Analysis Batch Number: 76132 End Date: 12/20/2010 23:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-76132/23		12/20/2010 18:11	1	1L20J1.d	LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 18:54	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 19:07	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 19:20	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 19:33	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 19:46	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 19:58	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 20:11	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 20:24	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 20:37	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 20:50	1		LC-NH2 4.6(mm)
ZZZZZ		12/20/2010 21:03	1		LC-NH2 4.6(mm)
CCV 640-76132/24		12/20/2010 21:15	1	1L20J14.d	LC-NH2 4.6(mm)
MB 640-75851/1-A		12/20/2010 21:28	1	1L20J15.d	LC-NH2 4.6(mm)
LCS 640-75851/2-A		12/20/2010 21:41	1	1L20J16.d	LC-NH2 4.6(mm)
LCSD 640-75851/3-A		12/20/2010 21:54	1	1L20J17.d	LC-NH2 4.6(mm)
360-31465-1	OC-SD-ISCO-2-XXX	12/20/2010 22:07	1	1L20J18.d	LC-NH2 4.6(mm)
360-31465-5	OC-SD-SD-1-XXX	12/20/2010 22:20	1	1L20J19.d	LC-NH2 4.6(mm)
360-31465-6	OC-SD-SD-SD3-XXX	12/20/2010 22:33	1	1L20J20.d	LC-NH2 4.6(mm)
360-31465-7	OC-SD-SDSW-E-XXX	12/20/2010 22:45	1	1L20J21.d	LC-NH2 4.6(mm)
360-31465-12	OC-SD-SD-SD2-DUP	12/20/2010 22:58	1	1L20J22.d	LC-NH2 4.6(mm)
360-31465-13	OC-SD-SD-SD2-XXX	12/20/2010 23:11	1	1L20J23.d	LC-NH2 4.6(mm)
360-31465-13 MS	OC-SD-SD-SD2-XXX MS	12/20/2010 23:24	1	1L20J24.d	LC-NH2 4.6(mm)
360-31465-13 MSD	OC-SD-SD-SD2-XXX MSD	12/20/2010 23:37	1	1L20J25.d	LC-NH2 4.6(mm)
CCV 640-76132/25		12/20/2010 23:50	1	1L20J26.d	LC-NH2 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: LCJ Start Date: 12/21/2010 14:18

Analysis Batch Number: 76198 End Date: 12/21/2010 15:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-76198/1		12/21/2010 14:18	1	2L21J1.d	LC-C18
MB 640-75851/1-A		12/21/2010 14:56	1	2L21J3.d	LC-C18
ZZZZZ		12/21/2010 14:56	1		LC-C18
360-31465-1	OC-SD-ISCO-2-XXX	12/21/2010 15:05	1	2L21J4.d	LC-C18
360-31465-5	OC-SD-SD-1-XXX	12/21/2010 15:14	1	2L21J5.d	LC-C18
360-31465-6	OC-SD-SD-SD3-XXX	12/21/2010 15:23	1	2L21J6.d	LC-C18
360-31465-7	OC-SD-SDSW-E-XXX	12/21/2010 15:32	1	2L21J7.d	LC-C18
360-31465-12	OC-SD-SD-SD2-DUP	12/21/2010 15:41	1	2L21J8.d	LC-C18
360-31465-13	OC-SD-SD-SD2-XXX	12/21/2010 15:50	1	2L21J9.d	LC-C18
CCV 640-76198/2		12/21/2010 15:59	1	2L21J10.d	LC-C18

Organic Prep Worksheet

Batch Number: 640-75851
Method: LC65
Analyst: Smith, Daniel N

Date Open: Dec 14 2010 11:20AM
Batch End: Dec 14 2010 2:10PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	LCILC65spk_00014
MB~640-75851/1		LC65, LC65		5.10 g	4 mL	
LCS~640-75851/2		LC65, LC65		5.05 g	4 mL	20 uL
LCSD~640-75851/3		LC65, LC65		5.05 g	4 mL	20 uL
360-31465-M-1	OC-SD-ISCO-2-XXX	LC65, LC65	T	5.04 g	4 mL	
360-31465-E-5	OC-SD-SD-1-XXX	LC65, LC65	T	5.16 g	4 mL	
360-31465-E-6	OC-SD-SD-SD3-XXX	LC65, LC65	T	5.14 g	4 mL	
360-31465-F-7	OC-SD-SDSW-E-XXX	LC65, LC65	T	5.05 g	4 mL	
360-31465-H-12	OC-SD-SD-SD2-DUP	LC65, LC65	T	5.13 g	4 mL	
360-31465-G-13	OC-SD-SD-SD2-XXX	LC65, LC65	T	5.12 g	4 mL	
360-31465-G-13~MS	OC-SD-SD-SD2-XXX	LC65, LC65	T	5.01 g	4 mL	20 uL
360-31465-G-13~MSD	OC-SD-SD-SD2-XXX	LC65, LC65	T	5.16 g	4 mL	20 uL

Person's name who witnessed reagent drop: DS
Elution Solution Lot #: LCR1-50-3
Person's name who did the prep: DS

Organic Prep Worksheet

Batch Number: 640-75851
Method: LC65
Analyst: Smith, Daniel N

Date Open: Dec 14 2010 11:20AM
Batch End: Dec 14 2010 2:10PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-75851/1		LC65, LC65		
LCS~640-75851/2		LC65, LC65		
LCSD~640-75851/3		LC65, LC65		
360-31465-M-1	OC-SD-ISCO-2-XXX	LC65, LC65	T	
360-31465-E-5	OC-SD-SD-1-XXX	LC65, LC65	T	
360-31465-E-6	OC-SD-SD-SD3-XXX	LC65, LC65	T	
360-31465-F-7	OC-SD-SDSW-E-XXX	LC65, LC65	T	
360-31465-H-12	OC-SD-SD-SD2-DUP	LC65, LC65	T	
360-31465-G-13	OC-SD-SD-SD2-XXX	LC65, LC65	T	
360-31465-G-13~MS	OC-SD-SD-SD2-XXX	LC65, LC65	T	
360-31465-G-13~MSD	OC-SD-SD-SD2-XXX	LC65, LC65	T	

Batch Comment: LC65

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG No.: 360-31465-1

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SD-ISCO-2-XXX	360-31465-1
OC-SD-LB-1-XXX	360-31465-2
OC-SD-LB-2-XXX	360-31465-3
OC-SD-LB-3-XXX	360-31465-4
OC-SD-SD-1-XXX	360-31465-5
OC-SD-SD-SD3-XXX	360-31465-6
OC-SD-SDSW-E-XXX	360-31465-7
OC-SD-OPWD-1-XXX	360-31465-9
OC-SD-OPWD-2-XXX	360-31465-10
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11
OC-SD-SD-SD2-DUP	360-31465-12
OC-SD-SD-SD2-XXX	360-31465-13

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 52.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	4.9	2.1	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.98	0.28	mg/Kg			1	6010B
7440-38-2	Arsenic	6.2	2.0	0.36	mg/Kg			1	6010B
7440-39-3	Barium	11	0.98	0.49	mg/Kg			1	6010B
7440-41-7	Beryllium	1.3	0.39	0.012	mg/Kg			1	6010B
7440-43-9	Cadmium	1.2	0.39	0.016	mg/Kg			1	6010B
7440-70-2	Calcium	1300	39	7.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	2500	0.98	0.49	mg/Kg			1	6010B
7440-48-4	Cobalt	21	0.98	0.12	mg/Kg			1	6010B
7440-50-8	Copper	21	2.0	0.26	mg/Kg			1	6010B
7439-89-6	Iron	4700	9.8	1.9	mg/Kg		B	1	6010B
7439-92-1	Lead	11	0.98	0.11	mg/Kg			1	6010B
7439-95-4	Magnesium	480	20	3.1	mg/Kg		B	1	6010B
7439-96-5	Manganese	67	2.0	0.19	mg/Kg			1	6010B
7440-02-0	Nickel	24	2.0	0.17	mg/Kg			1	6010B
7440-09-7	Potassium	1700	390	79	mg/Kg			1	6010B
7782-49-2	Selenium	0.72	0.98	0.38	mg/Kg	J		1	6010B
7440-22-4	Silver	51	0.98	0.11	mg/Kg			1	6010B
7440-23-5	Sodium	95	200	31	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	2.0	0.33	mg/Kg			1	6010B
7440-62-2	Vanadium	9.4	2.0	0.13	mg/Kg			1	6010B
7440-66-6	Zinc	45	4.9	0.62	mg/Kg			1	6010B
7440-31-5	Tin	1.9	9.8	0.62	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.24	0.10	0.034	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-LB-1-XXX
Lab Sample ID: 360-31465-2
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 10:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8800	5.3	2.3	mg/Kg			1	6010B
7440-36-0	Antimony	ND	1.1	0.30	mg/Kg			1	6010B
7440-38-2	Arsenic	5.9	2.1	0.38	mg/Kg			1	6010B
7440-39-3	Barium	35	1.1	0.53	mg/Kg			1	6010B
7440-41-7	Beryllium	0.25	0.42	0.013	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.76	0.42	0.017	mg/Kg			1	6010B
7440-70-2	Calcium	1600	42	7.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	24	1.1	0.53	mg/Kg			1	6010B
7440-48-4	Cobalt	2.1	1.1	0.13	mg/Kg			1	6010B
7440-50-8	Copper	24	2.1	0.28	mg/Kg			1	6010B
7439-89-6	Iron	8400	11	2.0	mg/Kg		B	1	6010B
7439-92-1	Lead	260	1.1	0.12	mg/Kg			1	6010B
7439-95-4	Magnesium	1800	21	3.3	mg/Kg		B	1	6010B
7439-96-5	Manganese	75	2.1	0.20	mg/Kg			1	6010B
7440-02-0	Nickel	9.3	2.1	0.19	mg/Kg			1	6010B
7440-09-7	Potassium	690	420	84	mg/Kg			1	6010B
7782-49-2	Selenium	ND	1.1	0.40	mg/Kg			1	6010B
7440-22-4	Silver	0.20	1.1	0.12	mg/Kg	J		1	6010B
7440-23-5	Sodium	220	210	33	mg/Kg			1	6010B
7440-28-0	Thallium	ND	2.1	0.35	mg/Kg			1	6010B
7440-62-2	Vanadium	22	2.1	0.14	mg/Kg			1	6010B
7440-66-6	Zinc	110	5.3	0.66	mg/Kg			1	6010B
7440-31-5	Tin	3.5	11	0.66	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.14	0.095	0.032	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-LB-2-XXX
Lab Sample ID: 360-31465-3
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 09:35
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 50.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3800	5.1	2.2	mg/Kg			1	6010B
7440-36-0	Antimony	ND	1.0	0.29	mg/Kg			1	6010B
7440-38-2	Arsenic	5.5	2.0	0.37	mg/Kg			1	6010B
7440-39-3	Barium	9.4	1.0	0.51	mg/Kg			1	6010B
7440-41-7	Beryllium	0.11	0.41	0.013	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.15	0.41	0.016	mg/Kg	J		1	6010B
7440-70-2	Calcium	1000	41	7.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	20	1.0	0.51	mg/Kg			1	6010B
7440-48-4	Cobalt	0.65	1.0	0.13	mg/Kg	J		1	6010B
7440-50-8	Copper	4.9	2.0	0.27	mg/Kg			1	6010B
7439-89-6	Iron	3100	10	1.9	mg/Kg		B	1	6010B
7439-92-1	Lead	19	1.0	0.11	mg/Kg			1	6010B
7439-95-4	Magnesium	330	20	3.2	mg/Kg		B	1	6010B
7439-96-5	Manganese	96	2.0	0.19	mg/Kg			1	6010B
7440-02-0	Nickel	1.8	2.0	0.18	mg/Kg	J		1	6010B
7440-09-7	Potassium	240	410	81	mg/Kg	J		1	6010B
7782-49-2	Selenium	ND	1.0	0.39	mg/Kg			1	6010B
7440-22-4	Silver	0.23	1.0	0.12	mg/Kg	J		1	6010B
7440-23-5	Sodium	45	200	31	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	2.0	0.34	mg/Kg			1	6010B
7440-62-2	Vanadium	5.5	2.0	0.13	mg/Kg			1	6010B
7440-66-6	Zinc	22	5.1	0.64	mg/Kg			1	6010B
7440-31-5	Tin	1.5	10	0.64	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	ND	0.12	0.042	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-LB-3-XXX
Lab Sample ID: 360-31465-4
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 08:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 43.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	6.8	3.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	1.4	0.39	mg/Kg			1	6010B
7440-38-2	Arsenic	35	2.7	0.49	mg/Kg			1	6010B
7440-39-3	Barium	94	1.4	0.68	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.54	0.017	mg/Kg	J		1	6010B
7440-43-9	Cadmium	1.0	0.54	0.022	mg/Kg			1	6010B
7440-70-2	Calcium	4700	54	9.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	130	1.4	0.68	mg/Kg			1	6010B
7440-48-4	Cobalt	7.2	1.4	0.17	mg/Kg			1	6010B
7440-50-8	Copper	61	2.7	0.36	mg/Kg			1	6010B
7439-89-6	Iron	25000	14	2.6	mg/Kg		B	1	6010B
7439-92-1	Lead	120	1.4	0.15	mg/Kg			1	6010B
7439-95-4	Magnesium	3700	27	4.2	mg/Kg		B	1	6010B
7439-96-5	Manganese	380	2.7	0.26	mg/Kg			1	6010B
7440-02-0	Nickel	19	2.7	0.24	mg/Kg			1	6010B
7440-09-7	Potassium	1900	540	110	mg/Kg			1	6010B
7782-49-2	Selenium	ND	1.4	0.52	mg/Kg			1	6010B
7440-22-4	Silver	1.6	1.4	0.16	mg/Kg			1	6010B
7440-23-5	Sodium	130	270	42	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	2.7	0.45	mg/Kg			1	6010B
7440-62-2	Vanadium	29	2.7	0.18	mg/Kg			1	6010B
7440-66-6	Zinc	190	6.8	0.86	mg/Kg			1	6010B
7440-31-5	Tin	6.8	14	0.86	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	1.2	0.14	0.049	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7900	4.6	2.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.91	0.26	mg/Kg			1	6010B
7440-38-2	Arsenic	5.0	1.8	0.33	mg/Kg			1	6010B
7440-39-3	Barium	12	0.91	0.46	mg/Kg			1	6010B
7440-41-7	Beryllium	1.0	0.36	0.011	mg/Kg			1	6010B
7440-43-9	Cadmium	0.32	0.36	0.015	mg/Kg	J		1	6010B
7440-70-2	Calcium	820	36	6.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	1800	0.91	0.46	mg/Kg			1	6010B
7440-48-4	Cobalt	4.7	0.91	0.11	mg/Kg			1	6010B
7440-50-8	Copper	17	1.8	0.24	mg/Kg			1	6010B
7439-89-6	Iron	4400	9.1	1.7	mg/Kg		B	1	6010B
7439-92-1	Lead	9.4	0.91	0.10	mg/Kg			1	6010B
7439-95-4	Magnesium	470	18	2.8	mg/Kg		B	1	6010B
7439-96-5	Manganese	38	1.8	0.17	mg/Kg			1	6010B
7440-02-0	Nickel	11	1.8	0.16	mg/Kg			1	6010B
7440-09-7	Potassium	1400	360	73	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.91	0.35	mg/Kg			1	6010B
7440-22-4	Silver	35	0.91	0.10	mg/Kg			1	6010B
7440-23-5	Sodium	160	180	28	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.8	0.30	mg/Kg			1	6010B
7440-62-2	Vanadium	8.5	1.8	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	33	4.6	0.57	mg/Kg			1	6010B
7440-31-5	Tin	1.5	9.1	0.57	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.049	0.12	0.042	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 75.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7600	3.5	1.5	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.69	0.20	mg/Kg			1	6010B
7440-38-2	Arsenic	5.3	1.4	0.25	mg/Kg			1	6010B
7440-39-3	Barium	33	0.69	0.35	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.28	0.0087	mg/Kg			1	6010B
7440-43-9	Cadmium	0.25	0.28	0.011	mg/Kg	J		1	6010B
7440-70-2	Calcium	2400	28	4.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	130	0.69	0.35	mg/Kg			1	6010B
7440-48-4	Cobalt	3.9	0.69	0.087	mg/Kg			1	6010B
7440-50-8	Copper	21	1.4	0.18	mg/Kg			1	6010B
7439-89-6	Iron	11000	6.9	1.3	mg/Kg		B	1	6010B
7439-92-1	Lead	31	0.69	0.078	mg/Kg			1	6010B
7439-95-4	Magnesium	1900	14	2.2	mg/Kg		B	1	6010B
7439-96-5	Manganese	250	1.4	0.13	mg/Kg			1	6010B
7440-02-0	Nickel	9.3	1.4	0.12	mg/Kg			1	6010B
7440-09-7	Potassium	910	280	56	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.69	0.27	mg/Kg			1	6010B
7440-22-4	Silver	2.0	0.69	0.080	mg/Kg			1	6010B
7440-23-5	Sodium	82	140	22	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.4	0.23	mg/Kg			1	6010B
7440-62-2	Vanadium	15	1.4	0.090	mg/Kg			1	6010B
7440-66-6	Zinc	60	3.5	0.44	mg/Kg			1	6010B
7440-31-5	Tin	2.0	6.9	0.44	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.059	0.11	0.038	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 77.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4500	3.4	1.5	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.20	mg/Kg			1	6010B
7440-38-2	Arsenic	3.2	1.4	0.25	mg/Kg			1	6010B
7440-39-3	Barium	14	0.68	0.34	mg/Kg			1	6010B
7440-41-7	Beryllium	0.21	0.27	0.0085	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.16	0.27	0.011	mg/Kg	J		1	6010B
7440-70-2	Calcium	930	27	4.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	100	0.68	0.34	mg/Kg			1	6010B
7440-48-4	Cobalt	4.4	0.68	0.085	mg/Kg			1	6010B
7440-50-8	Copper	19	1.4	0.18	mg/Kg			1	6010B
7439-89-6	Iron	7000	6.8	1.3	mg/Kg		B	1	6010B
7439-92-1	Lead	20	0.68	0.076	mg/Kg			1	6010B
7439-95-4	Magnesium	1200	14	2.1	mg/Kg		B	1	6010B
7439-96-5	Manganese	80	1.4	0.13	mg/Kg			1	6010B
7440-02-0	Nickel	8.4	1.4	0.12	mg/Kg			1	6010B
7440-09-7	Potassium	680	270	54	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.26	mg/Kg			1	6010B
7440-22-4	Silver	1.6	0.68	0.078	mg/Kg			1	6010B
7440-23-5	Sodium	65	140	21	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.4	0.23	mg/Kg			1	6010B
7440-62-2	Vanadium	9.2	1.4	0.088	mg/Kg			1	6010B
7440-66-6	Zinc	35	3.4	0.43	mg/Kg			1	6010B
7440-31-5	Tin	1.6	6.8	0.43	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.11	0.096	0.032	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-OPWD-1-XXX
Lab Sample ID: 360-31465-9
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	4.7	2.1	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.95	0.27	mg/Kg			1	6010B
7440-38-2	Arsenic	14	1.9	0.34	mg/Kg			1	6010B
7440-39-3	Barium	9.1	0.95	0.47	mg/Kg			1	6010B
7440-41-7	Beryllium	1.1	0.38	0.012	mg/Kg			1	6010B
7440-43-9	Cadmium	0.33	0.38	0.015	mg/Kg	J		1	6010B
7440-70-2	Calcium	480	38	6.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	1400	0.95	0.47	mg/Kg			1	6010B
7440-48-4	Cobalt	4.4	0.95	0.12	mg/Kg			1	6010B
7440-50-8	Copper	16	1.9	0.25	mg/Kg			1	6010B
7439-89-6	Iron	8400	9.5	1.8	mg/Kg		B	1	6010B
7439-92-1	Lead	8.0	0.95	0.11	mg/Kg			1	6010B
7439-95-4	Magnesium	830	19	3.0	mg/Kg		B	1	6010B
7439-96-5	Manganese	40	1.9	0.18	mg/Kg			1	6010B
7440-02-0	Nickel	12	1.9	0.17	mg/Kg			1	6010B
7440-09-7	Potassium	1900	380	76	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.95	0.36	mg/Kg			1	6010B
7440-22-4	Silver	26	0.95	0.11	mg/Kg			1	6010B
7440-23-5	Sodium	74	190	29	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.9	0.32	mg/Kg			1	6010B
7440-62-2	Vanadium	9.2	1.9	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	23	4.7	0.60	mg/Kg			1	6010B
7440-31-5	Tin	1.9	9.5	0.60	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	ND	0.12	0.040	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-OPWD-2-XXX
Lab Sample ID: 360-31465-10
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 37.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	24000	7.0	3.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	1.4	0.40	mg/Kg			1	6010B
7440-38-2	Arsenic	9.3	2.8	0.50	mg/Kg			1	6010B
7440-39-3	Barium	16	1.4	0.70	mg/Kg			1	6010B
7440-41-7	Beryllium	1.4	0.56	0.017	mg/Kg			1	6010B
7440-43-9	Cadmium	0.099	0.56	0.022	mg/Kg	J		1	6010B
7440-70-2	Calcium	850	56	9.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	250	1.4	0.70	mg/Kg			1	6010B
7440-48-4	Cobalt	3.2	1.4	0.17	mg/Kg			1	6010B
7440-50-8	Copper	19	2.8	0.37	mg/Kg			1	6010B
7439-89-6	Iron	6300	14	2.6	mg/Kg		B	1	6010B
7439-92-1	Lead	14	1.4	0.16	mg/Kg			1	6010B
7439-95-4	Magnesium	1100	28	4.3	mg/Kg		B	1	6010B
7439-96-5	Manganese	55	2.8	0.26	mg/Kg			1	6010B
7440-02-0	Nickel	10	2.8	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	1200	560	110	mg/Kg			1	6010B
7782-49-2	Selenium	ND	1.4	0.54	mg/Kg			1	6010B
7440-22-4	Silver	3.7	1.4	0.16	mg/Kg			1	6010B
7440-23-5	Sodium	88	280	43	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	2.8	0.46	mg/Kg			1	6010B
7440-62-2	Vanadium	15	2.8	0.18	mg/Kg			1	6010B
7440-66-6	Zinc	24	7.0	0.88	mg/Kg			1	6010B
7440-31-5	Tin	2.7	14	0.88	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.070	0.17	0.057	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 28.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	9.9	4.3	mg/Kg			1	6010B
7440-36-0	Antimony	ND	2.0	0.57	mg/Kg			1	6010B
7440-38-2	Arsenic	6.7	4.0	0.72	mg/Kg			1	6010B
7440-39-3	Barium	10	2.0	0.99	mg/Kg			1	6010B
7440-41-7	Beryllium	1.1	0.79	0.025	mg/Kg			1	6010B
7440-43-9	Cadmium	0.62	0.79	0.032	mg/Kg	J		1	6010B
7440-70-2	Calcium	2000	79	14	mg/Kg		B	1	6010B
7440-47-3	Chromium	2400	2.0	0.99	mg/Kg			1	6010B
7440-48-4	Cobalt	15	2.0	0.25	mg/Kg			1	6010B
7440-50-8	Copper	39	4.0	0.52	mg/Kg			1	6010B
7439-89-6	Iron	13000	20	3.7	mg/Kg		B	1	6010B
7439-92-1	Lead	14	2.0	0.22	mg/Kg			1	6010B
7439-95-4	Magnesium	1000	40	6.2	mg/Kg		B	1	6010B
7439-96-5	Manganese	160	4.0	0.38	mg/Kg			1	6010B
7440-02-0	Nickel	15	4.0	0.35	mg/Kg			1	6010B
7440-09-7	Potassium	1400	790	160	mg/Kg			1	6010B
7782-49-2	Selenium	ND	2.0	0.76	mg/Kg			1	6010B
7440-22-4	Silver	41	2.0	0.23	mg/Kg			1	6010B
7440-23-5	Sodium	360	400	61	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	4.0	0.66	mg/Kg			1	6010B
7440-62-2	Vanadium	11	4.0	0.26	mg/Kg			1	6010B
7440-66-6	Zinc	100	9.9	1.2	mg/Kg			1	6010B
7440-31-5	Tin	5.1	20	1.2	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	ND	0.25	0.085	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9700	4.7	2.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.93	0.27	mg/Kg			1	6010B
7440-38-2	Arsenic	15	1.9	0.34	mg/Kg			1	6010B
7440-39-3	Barium	86	0.93	0.47	mg/Kg			1	6010B
7440-41-7	Beryllium	0.31	0.37	0.012	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.28	0.37	0.015	mg/Kg	J		1	6010B
7440-70-2	Calcium	4800	37	6.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	300	0.93	0.47	mg/Kg			1	6010B
7440-48-4	Cobalt	5.3	0.93	0.12	mg/Kg			1	6010B
7440-50-8	Copper	24	1.9	0.25	mg/Kg			1	6010B
7439-89-6	Iron	15000	9.3	1.8	mg/Kg		B	1	6010B
7439-92-1	Lead	30	0.93	0.10	mg/Kg			1	6010B
7439-95-4	Magnesium	2000	19	2.9	mg/Kg		B	1	6010B
7439-96-5	Manganese	260	1.9	0.18	mg/Kg			1	6010B
7440-02-0	Nickel	11	1.9	0.17	mg/Kg			1	6010B
7440-09-7	Potassium	850	370	75	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.93	0.36	mg/Kg			1	6010B
7440-22-4	Silver	5.3	0.93	0.11	mg/Kg			1	6010B
7440-23-5	Sodium	110	190	29	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.9	0.31	mg/Kg			1	6010B
7440-62-2	Vanadium	16	1.9	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	57	4.7	0.59	mg/Kg			1	6010B
7440-31-5	Tin	2.4	9.3	0.59	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.057	0.11	0.037	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 60.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	4.5	2.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.91	0.26	mg/Kg			1	6010B
7440-38-2	Arsenic	11	1.8	0.33	mg/Kg			1	6010B
7440-39-3	Barium	45	0.91	0.45	mg/Kg			1	6010B
7440-41-7	Beryllium	0.36	0.36	0.011	mg/Kg			1	6010B
7440-43-9	Cadmium	0.31	0.36	0.015	mg/Kg	J		1	6010B
7440-70-2	Calcium	4700	36	6.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	240	0.91	0.45	mg/Kg			1	6010B
7440-48-4	Cobalt	5.3	0.91	0.11	mg/Kg			1	6010B
7440-50-8	Copper	24	1.8	0.24	mg/Kg			1	6010B
7439-89-6	Iron	16000	9.1	1.7	mg/Kg		B	1	6010B
7439-92-1	Lead	35	0.91	0.10	mg/Kg			1	6010B
7439-95-4	Magnesium	2700	18	2.8	mg/Kg		B	1	6010B
7439-96-5	Manganese	280	1.8	0.17	mg/Kg			1	6010B
7440-02-0	Nickel	11	1.8	0.16	mg/Kg			1	6010B
7440-09-7	Potassium	1000	360	73	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.91	0.35	mg/Kg			1	6010B
7440-22-4	Silver	4.1	0.91	0.10	mg/Kg			1	6010B
7440-23-5	Sodium	100	180	28	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.8	0.30	mg/Kg			1	6010B
7440-62-2	Vanadium	20	1.8	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	65	4.5	0.57	mg/Kg			1	6010B
7440-31-5	Tin	2.0	9.1	0.57	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	0.045	0.10	0.034	mg/Kg	J		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: ICV1 ICP_00005 Concentration Units: ug/L

CCV Source: MEVARCCV_00016

Analyte	ICV 360-67097/6 12/13/2010 10:46				CCV 360-67097/13 12/13/2010 11:07				CCV 360-67097/20 12/13/2010 14:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	962		1000	96	4960		5000	99	4990		5000	100
Antimony	997		1000	100	990		1000	99	998		1000	100
Arsenic	991		1000	99	990		1000	99	991		1000	99
Barium	976		1000	98	995		1000	99	1000		1000	100
Beryllium	986		1000	99	991		1000	99	991		1000	99
Cadmium	995		1000	99	983		1000	98	981		1000	98
Chromium	985		1000	98	985		1000	99	985		1000	99
Cobalt	982		1000	98	987		1000	99	985		1000	99
Copper	979		1000	98	989		1000	99	989		1000	99
Iron	984		1000	98	4940		5000	99	4940		5000	99
Lead	984		1000	98	986		1000	99	986		1000	99
Manganese	1000		1000	100	988		1000	99	989		1000	99
Nickel	996		1000	100	990		1000	99	981		1000	98
Potassium	9260		10000	93	19800		20000	99	20600		20000	103
Selenium	984		1000	98	985		1000	99	988		1000	99
Silver	1000		1000	100	994		1000	99	1000		1000	100
Thallium	994		1000	99	986		1000	99	988		1000	99
Vanadium	981		1000	98	990		1000	99	992		1000	99
Zinc	973		1000	97	980		1000	98	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.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: ICV1 ICP_00005 Concentration Units: ug/L

CCV Source: MEVARCCV_00016

Analyte	CCV 360-67097/25 12/13/2010 15:48				CCV 360-67097/37 12/13/2010 16:54				CCV 360-67097/47 12/13/2010 17:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5020		5000	100	4900		5000	98	5020		5000	100
Antimony	1000		1000	100	983		1000	98	1000		1000	100
Arsenic	986		1000	99	1020		1000	102	1000		1000	100
Barium	1010		1000	101	951		1000	95	1000		1000	100
Beryllium	992		1000	99	1020		1000	102	1010		1000	101
Cadmium	979		1000	98	1010		1000	101	998		1000	100
Chromium	987		1000	99	1010		1000	101	1000		1000	100
Cobalt	987		1000	99	1010		1000	101	1000		1000	100
Copper	999		1000	100	1000		1000	100	1000		1000	100
Iron	4950		5000	99	5010		5000	100	5010		5000	100
Lead	988		1000	99	1000		1000	100	999		1000	100
Manganese	991		1000	99	1000		1000	100	1000		1000	100
Nickel	982		1000	98	1020		1000	102	1000		1000	100
Potassium	20600		20000	103	20100		20000	100	20100		20000	101
Selenium	983		1000	98	1010		1000	101	1000		1000	100
Silver	1000		1000	100	999		1000	100	1010		1000	101
Thallium	985		1000	99	997		1000	100	1000		1000	100
Vanadium	997		1000	100	1000		1000	100	1000		1000	100
Zinc	969		1000	97	1020		1000	102	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.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: ICV1 ICP_00005 Concentration Units: ug/L

CCV Source: MEVARCCV_00016

Analyte	CCV 360-67097/49 12/13/2010 18:20											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4960		5000	99								
Antimony	992		1000	99								
Arsenic	995		1000	100								
Barium	990		1000	99								
Beryllium	994		1000	99								
Cadmium	990		1000	99								
Chromium	997		1000	100								
Cobalt	993		1000	99								
Copper	988		1000	99								
Iron	4970		5000	99								
Lead	989		1000	99								
Manganese	993		1000	99								
Nickel	1000		1000	100								
Potassium	20300		20000	102								
Selenium	987		1000	99								
Silver	998		1000	100								
Thallium	981		1000	98								
Vanadium	992		1000	99								
Zinc	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.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: ICV2 ICP_00005 Concentration Units: ug/L

CCV Source: MEVARCCV_00016

Analyte	ICV 360-67097/6 12/13/2010 10:46				CCV 360-67097/13 12/13/2010 11:07				CCV 360-67097/20 12/13/2010 14:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	9840		10000	98	19700		20000	99	19700		20000	99
Magnesium	9820		10000	98	19700		20000	99	19700		20000	98
Sn	995		1000	100	984		1000	98	984		1000	98
Sodium	9400		10000	94	19800		20000	99	19900		20000	99

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.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: ICV2 ICP_00005 Concentration Units: ug/L

CCV Source: MEVARCCV_00016

Analyte	CCV 360-67097/25 12/13/2010 15:48				CCV 360-67097/37 12/13/2010 16:54				CCV 360-67097/47 12/13/2010 17:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	19800		20000	99	20200		20000	101	20000		20000	100
Magnesium	19700		20000	98	20400		20000	102	20000		20000	100
Sn	986		1000	99	1010		1000	101	1000		1000	100
Sodium	20000		20000	100	19700		20000	99	20000		20000	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: ICV2 ICP_00005 Concentration Units: ug/L

CCV Source: MEVARCCV_00016

Analyte	CCV 360-67097/49 12/13/2010 18:20											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	19800		20000	99								
Magnesium	19800		20000	99								
Sn	995		1000	99								
Sodium	19900		20000	100								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: METHG1mg/L_00654 Concentration Units: ug/L

CCV Source: METHG1mg/L_00654

Analyte	ICV 360-67132/13 12/14/2010 11:50				CCV 360-67132/26 12/14/2010 12:38				CCV 360-67132/38 12/14/2010 13:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.15		5.00	103	5.08		5.00	102	4.93		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.: 360-31465-1

SDG No.: 360-31465-1

ICV Source: METHG1mg/L_00654 Concentration Units: ug/L

CCV Source: METHG1mg/L_00654

	CCV 360-67132/50 12/14/2010 13:22				CCV 360-67132/62 12/14/2010 13:44							
Analyte	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.17		5.00	103	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.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-67097/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00005

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	114		114	70-130
Antimony	10.0	10.2		102	70-130
Arsenic	10.0	10.4		104	70-130
Barium	10.0	11.3		113	70-130
Beryllium	1.00	0.963	J	96	70-130
Cadmium	1.00	1.07		107	70-130
Calcium	400	432		108	70-130
Chromium	5.00	5.47		109	70-130
Cobalt	10.0	10.4		104	70-130
Copper	10.0	11.2		112	70-130
Iron	100	109		109	70-130
Lead	5.00	5.36		107	70-130
Magnesium	400	429		107	70-130
Manganese	10.0	11.3		113	70-130
Nickel	10.0	11.2		112	70-130
Potassium	4000	3220	J	81	70-130
Selenium	10.0	10.8		108	70-130
Silver	5.00	4.76	J	95	70-130
Sodium	2000	1930	J	97	70-130
Thallium	10.0	12.4		124	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	54.3		109	70-130
Tin	50.0	53.3		107	70-130

Lab Sample ID: CRI 360-67097/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	5.82	J	97	70-130
Arsenic	50.0	50.8		102	70-130
Barium	2000	2100		105	70-130
Beryllium	4.00	3.85		96	70-130
Cadmium	5.00	5.34		107	70-130
Chromium	100	109		109	70-130
Lead	15.0	16.5		110	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-67097/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	112		112	70-130
Selenium	50.0	51.5		103	70-130
Silver	7.00	7.96		114	70-130
Vanadium	50.0	51.9		104	70-130
Zinc	900	935		104	70-130

Lab Sample ID: CRI 360-67097/19 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.41	J	120	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.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: ug/L

Analyte	RL	CCB 360-67097/14 12/13/2010 11:23		ICB 360-67097/15 12/13/2010 11:26		CCB 360-67097/21 12/13/2010 14:33		CCB 360-67097/26 12/13/2010 15:51	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	20.5	J	ND		17.0	J	ND	
Antimony	10	ND		ND		ND		2.34	J
Arsenic	10	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Beryllium	1.0	ND		ND		0.372	J	ND	
Cadmium	1.0	ND		ND		0.414	J	ND	
Calcium	400	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Cobalt	10	ND		ND		ND		ND	
Copper	10	ND		ND		ND		ND	
Iron	100	ND		ND		ND		ND	
Lead	5.0	ND		ND		ND		ND	
Magnesium	400	ND		ND		ND		ND	
Manganese	10	ND		ND		ND		ND	
Nickel	10	1.26	J	ND		1.44	J	ND	
Potassium	4000	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	
Sn	50	ND		ND		ND		ND	
Sodium	2000	ND		ND		ND		ND	
Thallium	10	ND		ND		4.73	J	2.86	J
Vanadium	10	ND		ND		ND		ND	
Zinc	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: ug/L

Analyte	RL	CCB 360-67097/38 12/13/2010 16:57		CCB 360-67097/48 12/13/2010 17:34		CCB 360-67097/50 12/13/2010 18:23			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	ND		ND		ND			
Antimony	10	ND		ND		ND			
Arsenic	10	ND		ND		ND			
Barium	10	ND		ND		ND			
Beryllium	1.0	ND		ND		ND			
Cadmium	1.0	ND		ND		ND			
Calcium	400	ND		ND		ND			
Chromium	5.0	ND		ND		ND			
Cobalt	10	ND		ND		ND			
Copper	10	ND		ND		ND			
Iron	100	ND		ND		ND			
Lead	5.0	ND		ND		ND			
Magnesium	400	ND		ND		ND			
Manganese	10	ND		ND		ND			
Nickel	10	ND		ND		ND			
Potassium	4000	ND		ND		ND			
Selenium	10	ND		ND		ND			
Silver	5.0	ND		ND		ND			
Sn	50	ND		ND		ND			
Sodium	2000	ND		ND		ND			
Thallium	10	ND		ND		2.60	J		
Vanadium	10	ND		ND		ND			
Zinc	50	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: ug/L

Analyte	RL	ICB 360-67132/15 12/14/2010 11:54		CCB 360-67132/27 12/14/2010 12:40		CCB 360-67132/39 12/14/2010 13:02		CCB 360-67132/51 12/14/2010 13:24	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		0.0710	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: ug/L

Analyte	RL	CCB 360-67132/63 12/14/2010 13:46							
		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.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: mg/Kg Lab Sample ID: MB 360-67039/1-A

Instrument Code: Varian ICP Batch No.: 67097

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	10.9	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.74	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	3.21	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B
7440-31-5	Tin	1.17	J		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: mg/Kg Lab Sample ID: MB 360-67091/1-A

Instrument Code: Hg Analyzer Batch No.: 67132

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Concentration Units: mg/Kg Lab Sample ID: MB 360-67092/1-A

Instrument Code: Hg Analyzer Batch No.: 67132

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICSA 360-67097/10 Instrument ID: Varian ICP

Lab File ID: 121310f.csv ICS Source: ICSA wk_00011

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**112138**	**112**
Antimony		**2.03**	
Arsenic		**0.833**	
Barium		**1.02**	
Beryllium		**0.0810**	
Cadmium		**-0.570**	
Calcium	**100000**	**107233**	**107**
Chromium		**0.379**	
Cobalt		**-0.0316**	
Copper		**0.609**	
Iron	**100000**	**111900**	**112**
Lead		**-1.47**	
Magnesium	**100000**	**107266**	**107**
Manganese		**-0.396**	
Nickel		**2.66**	
Potassium		**370**	
Selenium		**-1.93**	
Silver		**-0.0366**	
Sn		**-0.725**	
Sodium		**95.8**	
Thallium		**0.322**	
Vanadium		**-2.93**	
Zinc		**7.50**	
B		*5.30*	
Li		*1.27*	
Mo		*0.273*	
Si		*-8.34*	
Si		*-4.20*	
SiO2		*-17.8*	
Sr		*0.744*	
Ti		*0.374*	
Zr		*0.593*	

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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICSAB 360-67097/11 Instrument ID: Varian ICP

Lab File ID: 121310f.csv ICS Source: ICSAB_00018

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**100000**	**111001**	**111**
Antimony	**1000**	**1011**	**101**
Arsenic	**2000**	**1887**	**94**
Barium	**600**	**563**	**94**
Beryllium	**200**	**173**	**86**
Cadmium	**600**	**548**	**91**
Calcium	**100000**	**105478**	**105**
Chromium	**600**	**549**	**91**
Cobalt	**600**	**552**	**92**
Copper	**600**	**582**	**97**
Iron	**100000**	**110433**	**110**
Lead	**2000**	**1783**	**89**
Magnesium	**100000**	**105096**	**105**
Manganese	**400**	**366**	**91**
Nickel	**600**	**549**	**91**
Potassium	**40000**	**39744**	**99**
Selenium	**1000**	**920**	**92**
Silver	**600**	**598**	**100**
Sn		**-0.637**	
Sodium		**259**	
Thallium	**2000**	**1782**	**89**
Vanadium	**600**	**558**	**93**
Zinc	**600**	**525**	**87**
B		*4.41*	
Li		*1.28*	
Mo		*0.318*	
Si		*-9.75*	
Si		*-5.24*	
SiO2		*-20.9*	
Sr		*0.703*	
Ti		*0.603*	
Zr		*1.80*	

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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICSA 360-67097/51 Instrument ID: Varian ICP

Lab File ID: 121310f.csv ICS Source: ICSA wk_00011

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**111663**	**112**
Antimony		**-1.04**	
Arsenic		**1.66**	
Barium		**0.977**	
Beryllium		**0.0634**	
Cadmium		**-0.336**	
Calcium	**100000**	**107129**	**107**
Chromium		**0.476**	
Cobalt		**-0.188**	
Copper		**0.666**	
Iron	**100000**	**111984**	**112**
Lead		**-1.78**	
Magnesium	**100000**	**107408**	**107**
Manganese		**-0.314**	
Nickel		**3.10**	
Potassium		**367**	
Selenium		**-1.46**	
Silver		**-0.0331**	
Sn		**-0.666**	
Sodium		**125**	
Thallium		**0.588**	
Vanadium		**-2.76**	
Zinc		**8.11**	
B		*44.4*	
Li		*1.37*	
Mo		*1.20*	
Si		*-5.95*	
Si		*-2.09*	
SiO2		*-12.7*	
Sr		*0.756*	
Ti		*0.321*	
Zr		*0.861*	

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.: 360-31465-1

SDG No.: 360-31465-1

Lab Sample ID: ICSAB 360-67097/52 Instrument ID: Varian ICP

Lab File ID: 121310f.csv ICS Source: ICSAB_00018

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**100000**	**109913**	**110**
Antimony	**1000**	**1001**	**100**
Arsenic	**2000**	**1873**	**94**
Barium	**600**	**556**	**93**
Beryllium	**200**	**172**	**86**
Cadmium	**600**	**547**	**91**
Calcium	**100000**	**105128**	**105**
Chromium	**600**	**549**	**92**
Cobalt	**600**	**551**	**92**
Copper	**600**	**582**	**97**
Iron	**100000**	**110388**	**110**
Lead	**2000**	**1776**	**89**
Magnesium	**100000**	**105000**	**105**
Manganese	**400**	**365**	**91**
Nickel	**600**	**549**	**91**
Potassium	**40000**	**39697**	**99**
Selenium	**1000**	**917**	**92**
Silver	**600**	**594**	**99**
Sn		**-0.163**	
Sodium		**-82.6**	
Thallium	**2000**	**1776**	**89**
Vanadium	**600**	**555**	**93**
Zinc	**600**	**534**	**89**
B		*34.0*	
Li		*1.26*	
Mo		*0.242*	
Si		*-9.25*	
Si		*-2.86*	
SiO2		*-19.8*	
Sr		*0.691*	
Ti		*0.643*	
Zr		*3.46*	

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SD-SD-SD2-XXX MS
Lab ID: 360-31465-13 MS
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG No.: 360-31465-1
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 60.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10500		11000		451	-69	75-125	4	6010B
Antimony	40.2		ND		90.2	45	75-125	F	6010B
Arsenic	93.2		11		90.2	91	75-125		6010B
Barium	124		45		90.2	88	75-125		6010B
Beryllium	80.3		0.36		90.2	89	75-125		6010B
Cadmium	78.2		0.31	J	90.2	86	75-125		6010B
Calcium	6190		4700		1800	81	75-125		6010B
Chromium	326		240		90.2	91	75-125		6010B
Cobalt	85.0		5.3		90.2	88	75-125		6010B
Copper	108		24		90.2	92	75-125		6010B
Iron	14200		16000		451	-427	75-125	4	6010B
Lead	108		35		90.2	81	75-125		6010B
Magnesium	3610		2700		1800	51	75-125	F	6010B
Manganese	301		280		90.2	27	75-125	F	6010B
Nickel	89.0		11		90.2	86	75-125		6010B
Potassium	2800		1000		1800	99	75-125		6010B
Selenium	76.4		ND		90.2	85	75-125		6010B
Silver	88.4		4.1		90.2	93	75-125		6010B
Sodium	1840		100	J	1800	96	75-125		6010B
Thallium	74.2		ND		90.2	82	75-125		6010B
Vanadium	100		20		90.2	88	75-125		6010B
Zinc	131		65		90.2	74	75-125	F	6010B
Tin	76.7		2.0	J	90.2	83	75-125		6010B
Mercury	1.23		0.045	J	1.30	92	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: OC-SD-SD-SD2-XXX MSD
Lab ID: 360-31465-13 MSD
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG No.: 360-31465-1
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 60.2

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	10300		451	-120	75-125	2	35	4	6010B
Antimony	46.2		90.2	51	75-125	14	35	F	6010B
Arsenic	94.0		90.2	92	75-125	1	35		6010B
Barium	125		90.2	89	75-125	0	35		6010B
Beryllium	81.4		90.2	90	75-125	1	35		6010B
Cadmium	77.6		90.2	86	75-125	1	35		6010B
Calcium	7030		1800	127	75-125	13	35	F	6010B
Chromium	348		90.2	115	75-125	7	35		6010B
Cobalt	84.0		90.2	87	75-125	1	35		6010B
Copper	106		90.2	91	75-125	1	35		6010B
Iron	14100		451	-446	75-125	1	35	4	6010B
Lead	103		90.2	75	75-125	5	35		6010B
Magnesium	3540		1800	47	75-125	2	35	F	6010B
Manganese	323		90.2	50	75-125	7	35	F	6010B
Nickel	88.4		90.2	86	75-125	1	35		6010B
Potassium	2780		1800	98	75-125	1	35		6010B
Selenium	75.4		90.2	84	75-125	1	35		6010B
Silver	88.9		90.2	94	75-125	1	35		6010B
Sodium	1830		1800	96	75-125	1	35		6010B
Thallium	74.1		90.2	82	75-125	0	35		6010B
Vanadium	99.6		90.2	88	75-125	0	35		6010B
Zinc	128		90.2	70	75-125	2	35	F	6010B
Tin	77.5		90.2	84	75-125	1	35		6010B
Mercury	1.31		1.34	94	75-125	6	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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SD-SD-SD2-XXX PDS | Lab ID: 360-31465-13 PDS

Lab Name: TestAmerica Westfield | Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid | Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10900		11000		453	NC	75-125		6010B
Antimony	81.2		ND		90.7	90	75-125		6010B
Arsenic	92.9		11		90.7	90	75-125		6010B
Barium	126		45		90.7	89	75-125		6010B
Beryllium	80.7		0.36		90.7	89	75-125		6010B
Cadmium	78.2		0.31	J	90.7	86	75-125		6010B
Calcium	6380		4700		1810	90	75-125		6010B
Chromium	313		240		90.7	76	75-125		6010B
Cobalt	85.0		5.3		90.7	88	75-125		6010B
Copper	109		24		90.7	93	75-125		6010B
Iron	15700		16000		453	NC	75-125		6010B
Lead	110		35		90.7	83	75-125		6010B
Magnesium	4210		2700		1810	84	75-125		6010B
Manganese	341		280		90.7	71	75-125	W	6010B
Nickel	89.6		11		90.7	86	75-125		6010B
Potassium	2820		1000		1810	99	75-125		6010B
Selenium	79.6		ND		90.7	88	75-125		6010B
Silver	87.1		4.1		90.7	91	75-125		6010B
Sodium	1810		100	J	1810	94	75-125		6010B
Thallium	75.6		ND		90.7	83	75-125		6010B
Vanadium	102		20		90.7	90	75-125		6010B
Zinc	137		65		90.7	80	75-125		6010B
Tin	81.3		2.0	J	90.7	87	75-125		6010B

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 360-67039/2-A

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

Sample Matrix: Solid LCS Source: MetQCSoil_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	14900	8430		57	21.1	110		6010B
Antimony	216	61.8		29	10.0	110		6010B
Arsenic	155	114		74	55.4	110		6010B
Barium	616	474		77	64.6	110		6010B
Beryllium	73.2	48.6		66	53.3	110		6010B
Cadmium	248	159		64	50.4	110		6010B
Calcium	18800	15300		82	59.6	110		6010B
Chromium	181	122		67	50.1	110		6010B
Cobalt	65.1	48.7		75	58.1	110		6010B
Copper	131	90.7		69	52.0	111		6010B
Iron	13300	11400		86	22.6	146		6010B
Lead	334	235		70	60.8	110		6010B
Magnesium	5160	3630		70	55.4	110		6010B
Manganese	433	289		67	55.0	110		6010B
Nickel	399	257		64	51.1	110		6010B
Potassium	2860	2070		72	40.6	110		6010B
Selenium	161	99.2		62	43.8	110		6010B
Silver	61.0	49.5		81	52.5	110		6010B
Sodium	6810	5290		78	51.5	110		6010B
Thallium	107	73.5		69	52.2	110		6010B
Vanadium	110	72.0		65	43.5	110		6010B
Zinc	278	182		66	53.2	110		6010B
Tin	123	76.0		62	38.5	110		6010B

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

FORM VIIA - IN

7D-IN
LCSD - STANDARD REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-67039/3-A

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

Sample Matrix: Solid LCS Source: MetQCSoil_00001

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	8230		15100	55	21.1-11	2	30		6010B
Antimony	63.1		218	29	10.0-11	2	30		6010B
Arsenic	115		157	73	55.4-11	1	30		6010B
Barium	471		622	76	64.6-11	1	30		6010B
Beryllium	49.3		73.9	67	53.3-11	1	30		6010B
Cadmium	158		251	63	50.4-11	1	30		6010B
Calcium	15500		19000	81	59.6-11	1	30		6010B
Chromium	123		183	67	50.1-11	1	30		6010B
Cobalt	48.7		65.8	74	58.1-11	0	30		6010B
Copper	91.5		132	69	52.0-11	1	30		6010B
Iron	11100		13400	83	22.6-14	3	30		6010B
Lead	237		337	70	60.8-11	1	30		6010B
Magnesium	3630		5210	70	55.4-11	0	30		6010B
Manganese	294		437	67	55.0-11	2	30		6010B
Nickel	259		403	64	51.1-11	1	30		6010B
Potassium	2030		2890	70	40.6-11	2	30		6010B
Selenium	100		163	62	43.8-11	1	30		6010B
Silver	49.7		61.6	81	52.5-11	0	30		6010B
Sodium	5280		6880	77	51.5-11	0	30		6010B
Thallium	74.9		108	69	52.2-11	2	30		6010B
Vanadium	71.7		111	65	43.5-11	0	30		6010B
Zinc	184		281	65	53.2-11	1	30		6010B
Tin	77.6		124	62	38.5-11	2	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 360-67091/2-A

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

Sample Matrix: Solid LCS Source: MetQCSoil_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	21.3	20.5		96	42.3	122		7471A

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

FORM VIIA - IN

7D-IN
LCSD - STANDARD REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-67091/3-A

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

Sample Matrix: Solid LCS Source: MetQCSoil_00001

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	18.1		19.5	93	42.3-12	13	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 360-67092/2-A

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

Sample Matrix: Solid LCS Source: MetQCSoil_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	23.4	15.6		67	42.3	122		7471A

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

FORM VIIA - IN

7D-IN
LCSD - STANDARD REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-67092/3-A

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

Sample Matrix: Solid LCS Source: MetQCSoil_00001

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	18.8		21.3	88	42.3-12	18	30		7471A

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

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

Lab ID: 360-31465-13

SDG No: 360-31465-1

Lab Name: TestAmerica Westfield Job No: 360-31465-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	11000		11100		2.9		6010B
Antimony	ND		1.34	J	NC		6010B
Arsenic	11		11.3		NC		6010B
Barium	45		49.2		9.6		6010B
Beryllium	0.36		0.391	J	NC		6010B
Cadmium	0.31	J	0.326	J	NC		6010B
Calcium	4700		4790		1.2		6010B
Chromium	240		262		7.2		6010B
Cobalt	5.3		5.56		NC		6010B
Copper	24		25.0		2.3		6010B
Iron	16000		16800		4.5		6010B
Lead	35		38.5		10		6010B
Magnesium	2700		2940		9.7		6010B
Manganese	280		309		11	V	6010B
Nickel	11		12.3		9.4		6010B
Potassium	1000		676	J	NC		6010B
Selenium	ND		ND		NC		6010B
Silver	4.1		4.33	J	NC		6010B
Sodium	100	J	ND		NC		6010B
Thallium	ND		1.98	J	NC		6010B
Vanadium	20		21.6		6.0		6010B
Zinc	65		71.3		10		6010B
Tin	2.0	J	ND		NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: Varian ICP

Analysis Method: 6010B MDL Date: 10/01/2010 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (ug/Kg)
Aluminum	237.312	2.5	1090
Antimony	217.582	0.5	144
Arsenic	188.980	1	181
Barium	493.408	0.5	250
Beryllium	313.042	0.2	6.25
Cadmium	214.439	0.2	8.04
Calcium	373.690	20	3540
Chromium	267.716	0.5	250
Cobalt	228.615	0.5	62.5
Copper	327.395	1	132
Iron	273.955	5	941
Lead	220.353	0.5	56.3
Magnesium	279.078	10	1557
Manganese	257.610	1	94.9
Nickel	216.555	1	88.9
Potassium	404.721	200	40000
Selenium	196.026	0.5	192
Silver	338.289	0.5	57.4
Sodium	330.237	100	15500
Thallium	190.794	1	166
Tin	189.925	5	315
Vanadium	292.401	1	65
Zinc	202.548	2.5	315

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: Varian ICP

Analysis Method: 6010B XMDL Date: 10/22/2010 12:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	237.312	100	12.5
Antimony	217.582	10	1.46
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Beryllium	313.042	1	0.15
Cadmium	214.439	1	0.13
Calcium	373.690	400	50
Chromium	267.716	5	0.65
Cobalt	228.615	10	1.29
Copper	327.395	10	2.34
Iron	273.955	100	14.1
Lead	220.353	5	1.36
Magnesium	279.078	400	50
Manganese	257.610	10	3.03
Nickel	216.555	10	1.25
Potassium	404.721	4000	1061
Selenium	196.026	10	4
Silver	338.289	5	1.36
Sodium	330.237	2000	275
Thallium	190.794	10	2.22
Tin	189.925	50	6.5
Vanadium	292.401	10	1.5
Zinc	202.548	50	6.59

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: Hg Analyzer

Analysis Method: 7471A MDL Date: 05/20/2009 14:47

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.1	0.034

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: Hg Analyzer

Analysis Method: 7471A XMDL Date: 06/18/2007 11:24

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.06

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG No.: 360-31465-1

ICP-AES Instrument ID: Varian ICP Date: 10/21/2010

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	237.312									0.046811					
Antimony	217.582								0.000313	0.000165					
Arsenic	188.980										0.000299				
Barium	493.408														
Beryllium	313.042			0.008106											
Boron	249.678									0.001491	0.000396				
Cadmium	214.439									0.008106			0.000015		
Calcium	373.690												0.007270		
Chromium	267.716														
Cobalt	228.615												0.000033		
Copper	327.395									0.000280					
Iron	273.955										0.000749				
Lead	220.353												-0.000002		
Magnesium	279.078												0.000122		
Manganese	257.610														0.000028
Molybdenum	202.032														
Nickel	216.555			0.003946									0.007270		
Potassium	404.721					0.273376							0.003008		
Selenium	196.026														
Silicon	251.611														
Silver	338.289										0.021069		0.000002		
Sodium	330.237					-0.558878									
Strontium	421.552							0.000019							
Thallium	190.794							0.000003		0.002871	0.000220				
Tin	189.925														0.000028
Titanium	336.122														
Vanadium	292.401							0.000019					0.000023		
Zinc	202.548											0.008106	0.000013		
Zirconium	339.198														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG No.: 360-31465-1

ICP-AES Instrument ID: Varian ICP Date: 10/21/2010

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	SiO2	Sn	Sr	Ti	Tl	V
Aluminum	237.312														-0.000347
Antimony	217.582				0.000004										0.002230
Arsenic	188.980														
Barium	493.408														
Beryllium	313.042														0.000270
Boron	249.678								0.001138						
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615				0.000299								0.001802		
Copper	327.395														
Iron	273.955														
Lead	220.353														
Magnesium	279.078														
Manganese	257.610						-0.000007								
Molybdenum	202.032														
Nickel	216.555														
Potassium	404.721														
Selenium	196.026	0.000671													
Silicon	251.611		0.016695				0.001760						0.008862		
Silver	338.289				0.001539								0.001440		-0.000259
Sodium	330.237														
Strontium	421.552														
Thallium	190.794														0.001539
Tin	189.925														
Titanium	336.122														
Vanadium	292.401												0.000663		
Zinc	202.548														
Zirconium	339.198		0.000138						0.000138						

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG No.: 360-31465-1

ICP-AES Instrument ID: Varian ICP Date: 10/21/2010

Analyte	Wave Length	Zn	Zr												
Aluminum	237.312														
Antimony	217.582														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.042														
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Iron	273.955														
Lead	220.353														
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														
Strontium	421.552														
Thallium	190.794														
Tin	189.925														
Titanium	336.122														
Vanadium	292.401														
Zinc	202.548														
Zirconium	339.198														

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Varian ICP Date: 10/21/2010 09:54

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		600000	6010B
Antimony		50000	6010B
Arsenic		50000	6010B
Barium		12500	6010B
Beryllium		10000	6010B
Cadmium		20000	6010B
Calcium		500000	6010B
Chromium		50000	6010B
Cobalt		50000	6010B
Copper		50000	6010B
Iron		700000	6010B
Lead		100000	6010B
Magnesium		300000	6010B
Manganese		20000	6010B
Nickel		50000	6010B
Potassium		400000	6010B
Selenium		50000	6010B
Silver		25000	6010B
Sodium		500000	6010B
Thallium		75000	6010B
Vanadium		50000	6010B
Zinc		25000	6010B
Tin		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-67039/1-A	12/13/2010 08:46	67039	2.00		100
LCSSRM 360-67039/2-A	12/13/2010 08:46	67039	1.00		100
LCDSRM 360-67039/3-A	12/13/2010 08:46	67039	0.99		100
360-31465-13	12/13/2010 08:46	67039	1.83		100
360-31465-13 MS	12/13/2010 08:46	67039	1.84		100
360-31465-13 MSD	12/13/2010 08:46	67039	1.84		100
360-31465-1	12/13/2010 08:46	67039	1.95		100
360-31465-2	12/13/2010 08:46	67039	1.67		100
360-31465-3	12/13/2010 08:46	67039	1.94		100
360-31465-4	12/13/2010 08:46	67039	1.69		100
360-31465-5	12/13/2010 08:46	67039	1.92		100
360-31465-6	12/13/2010 08:46	67039	1.92		100
360-31465-7	12/13/2010 08:46	67039	1.90		100
360-31465-9	12/13/2010 08:46	67039	1.82		100
360-31465-10	12/13/2010 08:46	67039	1.92		100
360-31465-11	12/13/2010 08:46	67039	1.77		100
360-31465-12	12/13/2010 08:46	67039	1.88		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-67091/1-A	12/14/2010 08:50	67091	0.20		50
LCSSRM 360-67091/2-A	12/14/2010 08:50	67091	0.11		50
LCDSRM 360-67091/3-A	12/14/2010 08:50	67091	0.12		50
360-31465-1	12/14/2010 08:59	67091	0.38		50
360-31465-2	12/14/2010 08:59	67091	0.37		50
360-31465-3	12/14/2010 08:59	67091	0.32		50
360-31465-4	12/14/2010 08:59	67091	0.32		50
360-31465-5	12/14/2010 08:59	67091	0.28		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-67092/1-A	12/14/2010 09:01	67092	0.20		50
LCSSRM 360-67092/2-A	12/14/2010 09:01	67092	0.10		50
LCDSRM 360-67092/3-A	12/14/2010 09:01	67092	0.11		50
360-31465-13	12/14/2010 09:01	67092	0.33		50
360-31465-13 MS	12/14/2010 09:01	67092	0.32		50
360-31465-13 MSD	12/14/2010 09:01	67092	0.31		50
360-31465-6	12/14/2010 09:01	67092	0.24		50
360-31465-7	12/14/2010 09:01	67092	0.27		50
360-31465-9	12/14/2010 09:01	67092	0.29		50
360-31465-10	12/14/2010 09:01	67092	0.32		50
360-31465-11	12/14/2010 09:01	67092	0.28		50
360-31465-12	12/14/2010 09:01	67092	0.32		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/13/2010 10:31 End Date: 12/13/2010 18:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:31																				
ZZZZZZ			10:34																				
ZZZZZZ			10:38																				
ZZZZZZ			10:40																				
ZZZZZZ			10:43																				
ICV 360-67097/6	1		10:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-67097/7			10:49																				
CRI 360-67097/8	1		10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-67097/9	1		10:55	X		X	X	X		X		X							X	X	X	X	
ICSA 360-67097/10	1		10:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-67097/11	1		11:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:04																				
CCV 360-67097/13	1		11:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-67097/14	1		11:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-67097/15	1		11:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 360-67097/16			11:29																				
ICV 360-67097/17			11:32																				
CRI 360-67097/18			11:35																				
CRI 360-67097/19	1		11:43																				
CCV 360-67097/20	1		14:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-67097/21	1		14:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-67039/1-A	1	T	15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 360-67039/2-A	1	T	15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCDSRM 360-67039/3-A	1	T	15:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-67097/25	1		15:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-67097/26	1		15:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-13	1	T	15:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-13 MS	1	T	15:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-13 MSD	1	T	15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-13 SD	5	T	16:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-13 PDS	1	T	16:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-1	1	T	16:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-2	1	T	16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-3	1	T	16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-4	1	T	16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-5	1	T	16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-67097/37	1		16:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-67097/38	1		16:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-6	1	T	17:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-7	1	T	17:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-9	1	T	17:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-10	1	T	17:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/13/2010 10:31 End Date: 12/13/2010 18:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
360-31465-11	1	T	17:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-31465-12	1	T	17:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
CCV 360-67097/47	1		17:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-67097/48	1		17:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-67097/49	1		18:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-67097/50	1		18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-67097/51	1		18:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-67097/52	1		18:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/13/2010 10:31 End Date: 12/13/2010 18:29

Lab Sample ID	D/F	Type	Time	Analytes																				
				Tl	V	Zn																		
ZZZZZZ			10:31																					
ZZZZZZ			10:34																					
ZZZZZZ			10:38																					
ZZZZZZ			10:40																					
ZZZZZZ			10:43																					
ICV 360-67097/6	1		10:46	X	X	X																		
ICB 360-67097/7			10:49																					
CRI 360-67097/8	1		10:52	X	X	X																		
CRI 360-67097/9	1		10:55		X	X																		
ICSA 360-67097/10	1		10:58	X	X	X																		
ICSAB 360-67097/11	1		11:01	X	X	X																		
ZZZZZZ			11:04																					
CCV 360-67097/13	1		11:07	X	X	X																		
CCB 360-67097/14	1		11:23	X	X	X																		
ICB 360-67097/15	1		11:26	X	X	X																		
ICV 360-67097/16			11:29																					
ICV 360-67097/17			11:32																					
CRI 360-67097/18			11:35																					
CRI 360-67097/19	1		11:43	X																				
CCV 360-67097/20	1		14:30	X	X	X																		
CCB 360-67097/21	1		14:33	X	X	X																		
MB 360-67039/1-A	1	T	15:38	X	X	X																		
LCSSRM 360-67039/2-A	1	T	15:41	X	X	X																		
LCDSRM 360-67039/3-A	1	T	15:45	X	X	X																		
CCV 360-67097/25	1		15:48	X	X	X																		
CCB 360-67097/26	1		15:51	X	X	X																		
360-31465-13	1	T	15:53	X	X	X																		
360-31465-13 MS	1	T	15:56	X	X	X																		
360-31465-13 MSD	1	T	15:59	X	X	X																		
360-31465-13 SD	5	T	16:02	X	X	X																		
360-31465-13 PDS	1	T	16:05	X	X	X																		
360-31465-1	1	T	16:08	X	X	X																		
360-31465-2	1	T	16:11	X	X	X																		
360-31465-3	1	T	16:14	X	X	X																		
360-31465-4	1	T	16:17	X	X	X																		
360-31465-5	1	T	16:20	X	X	X																		
CCV 360-67097/37	1		16:54	X	X	X																		
CCB 360-67097/38	1		16:57	X	X	X																		
360-31465-6	1	T	17:02	X	X	X																		
360-31465-7	1	T	17:05	X	X	X																		
360-31465-9	1	T	17:08	X	X	X																		
360-31465-10	1	T	17:11	X	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/13/2010 10:31 End Date: 12/13/2010 18:29

Lab Sample ID	D / F	Type	Time	Analytes																				
				Tl	V	Zn																		
360-31465-11	1	T	17:14	X	X	X																		
360-31465-12	1	T	17:17	X	X	X																		
ZZZZZZ			17:19																					
ZZZZZZ			17:22																					
CCV 360-67097/47	1		17:31	X	X	X																		
CCB 360-67097/48	1		17:34	X	X	X																		
CCV 360-67097/49	1		18:20	X	X	X																		
CCB 360-67097/50	1		18:23	X	X	X																		
ICSA 360-67097/51	1		18:26	X	X	X																		
ICSAB 360-67097/52	1		18:29	X	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 12/14/2010 11:21 End Date: 12/14/2010 13:53

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
STD01REP1 360-67132/1 IC			11:21	X																				
STD01REP2 360-67132/2 IC			11:23	X																				
STD02REP1 360-67132/3 IC			11:25	X																				
STD02REP2 360-67132/4 IC			11:27	X																				
STD03REP1 360-67132/5 IC			11:29	X																				
STD03REP2 360-67132/6 IC			11:31	X																				
STD04REP1 360-67132/7 IC			11:33	X																				
STD04REP2 360-67132/8 IC			11:34	X																				
STD05REP1 360-67132/9 IC			11:36	X																				
STD05REP2 360-67132/10 IC			11:38	X																				
STD06REP1 360-67132/11 IC			11:40	X																				
STD06REP2 360-67132/12 IC			11:42	X																				
ICV 360-67132/13	1		11:50	X																				
ZZZZZZ			11:52																					
ICB 360-67132/15	1		11:54	X																				
MB 360-67091/1-A	1	T	12:20	X																				
LCSSRM 360-67091/2-A	10	T	12:21	X																				
LCDSRM 360-67091/3-A	10	T	12:23	X																				
ZZZZZZ			12:25																					
ZZZZZZ			12:27																					
ZZZZZZ			12:29																					
ZZZZZZ			12:31																					
ZZZZZZ			12:33																					
ZZZZZZ			12:34																					
ZZZZZZ			12:36																					
CCV 360-67132/26	1		12:38	X																				
CCB 360-67132/27	1		12:40	X																				
ZZZZZZ			12:42																					
ZZZZZZ			12:44																					
ZZZZZZ			12:45																					
ZZZZZZ			12:47																					
ZZZZZZ			12:49																					
ZZZZZZ			12:51																					
ZZZZZZ			12:53																					
ZZZZZZ			12:55																					
ZZZZZZ			12:56																					
ZZZZZZ			12:59																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 12/14/2010 11:21 End Date: 12/14/2010 13:53

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCV 360-67132/38	1		13:01	X																			
CCB 360-67132/39	1		13:02	X																			
360-31465-1	1	T	13:04	X																			
360-31465-2	1	T	13:06	X																			
360-31465-3	1	T	13:08	X																			
360-31465-4	1	T	13:10	X																			
360-31465-5	1	T	13:11	X																			
MB 360-67092/1-A	1	T	13:13	X																			
LCSSRM 360-67092/2-A	10	T	13:15	X																			
LCDSRM 360-67092/3-A	10	T	13:16	X																			
360-31465-13	1	T	13:18	X																			
360-31465-13 MS	1	T	13:20	X																			
CCV 360-67132/50	1		13:22	X																			
CCB 360-67132/51	1		13:24	X																			
360-31465-13 MSD	1	T	13:26	X																			
360-31465-6	1	T	13:27	X																			
360-31465-7	1	T	13:29	X																			
360-31465-9	1	T	13:31	X																			
360-31465-10	1	T	13:33	X																			
360-31465-11	1	T	13:35	X																			
360-31465-12	1	T	13:37	X																			
ZZZZZZ			13:39																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
CCV 360-67132/62	1		13:44	X																			
CCB 360-67132/63	1		13:46	X																			
ZZZZZZ			13:47																				
ZZZZZZ			13:49																				
CCV 360-67132/66			13:51																				
CCB 360-67132/67			13:53																				

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	2	0.995000	Off

Standard Concentration

El	Units	Standard 1	Standard 2
Ag	ug/L	1000.00000	
Al	ug/L	5000.00000	25000.00000
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	100000.00000
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	25000.00000
K	ug/L	20000.00000	100000.00000
Li	ug/L	5000.00000	
Mg	ug/L	20000.00000	100000.00000
Mn	ug/L	1000.00000	
Mo	ug/L	1000.00000	
Na	ug/L	20000.00000	100000.00000
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	

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	5.0	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	700000.00000	25	400
K 404.721	Off	On	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	Quadratic	20.0	0.00000	500000.00000	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

Label	Thru. Blk	W/Fit	Curve Type	Max Error	Min Conc	Max Conc	E/Curve %	U/Curve %
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	5.0	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	5.0	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
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

QC Test Name	Failure Flag	Count As Sample	Subtract PBlk	No. Solutions
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
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

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

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
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

(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

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
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
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

(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

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
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

Interf Check A
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) < CRDL
(ICSA)

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

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

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
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

El
Zn

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
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn

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

El	Units	Difference(%)
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

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

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
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

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
As 188.980		0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.008106	-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
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
Sb 217.582	0.000000	0.000000	0.000000	0.000000

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
B 249.678	0.000000	0.001491	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
xSn 283.998	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
Cd 214.439	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	0.000299
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	0.003946	0.000000	0.000000	
Tl 190.794	0.000000	0.002871	0.000000	0.000000
V 292.401	0.000000	0.000001	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.008106	0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.001539
Al 237.312	0.000000	0.046811	0.000000	0.000000
Cu 327.395	0.000000	0.000280		0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000000	0.000000
xK 769.897	0.000000	0.000000	0.000000	0.000000
xK 766.491	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
xMg 279.800	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
As 188.980	0.000000	0.000000	0.000299	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000270	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
Se 196.026	0.000000	0.000000	0.000000	0.000671
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000000	0.000000	0.000000
Sb 217.582	0.000000	0.000003	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000396	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
xSn 283.998	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
Cd 214.439	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	0.001539	0.000000	0.000220	0.000000
V 292.401		0.000000	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.000000	0.000000
Ag 338.289	-0.000259	0.000000	0.001069	0.000000
Al 237.312	-0.000347	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000

Analyte	V 292.401	Cd 214.439	Cr 267.716	Mn 257.610
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000749	0.000000
xK 769.897	0.000000	0.000000	0.000000	0.000000
xK 766.491	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
xMg 279.800	0.000000	0.000000	0.000000	0.000000
Analyte	**Sb 217.582**	**Mo 202.032**	**Si 251.611**	**Si 288.158**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
As 188.980	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	0.000000
Li 610.365	0.000000	0.001138	0.000000	0.000000
Mg 279.078	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
Sb 217.582		0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.001138	0.001138
Mo 202.032	0.000000		0.000000	0.000000
Si 251.611	0.001760	0.016695		
xSn 283.998	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000138	0.000138	0.000138
Cd 214.439	-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	0.000000
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	-0.000007	0.000000	0.000000	0.000000
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.000000	0.000000	0.000000	0.000000
V 292.401	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	0.001794	0.005061		
Fe 273.955	0.000000	0.000000	0.000000	0.000000
xK 769.897	0.000000	0.000000	0.000000	0.000000
xK 766.491	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
xMg 279.800	0.000000	0.000000	0.000000	0.000000
Analyte	**Ti 336.122**	**Ca 373.690**	**Fe 273.955**	**Mg 279.078**
Ca 373.690	0.000000		0.007270	0.000000
As 188.980	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	0.000000
Li 610.365	0.000008	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000122	
Se 196.026	0.000000	0.000000	-0.000009	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000019	0.000000	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000

Analyte	Ti 336.122	Ca 373.690	Fe 273.955	Mg 279.078
B 249.678	0.000000	-0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.008862	0.000000	0.000000	0.000000
xSn 283.998	0.000000	0.000000	0.000000	0.000000
Ti 336.122		0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cd 214.439	0.000000	0.000000	0.000020	0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.001802	-0.000000	0.000033	0.000000
Pb 220.353	0.000000	0.000000	-0.000002	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000028
Ni 216.555	0.000000	0.000000	0.000090	0.000000
Tl 190.794	0.000000	0.000003	0.000000	0.000000
V 292.401	0.000663	0.000019	0.000023	0.000000
Zn 202.548	0.000000	0.000000	0.000013	0.000000
Ag 338.289	0.000000	0.000000	0.000002	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	0.009020	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000		0.000000
xK 769.897	0.000000	0.000000	0.000000	0.000000
xK 766.491	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.003008	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000028
xMg 279.800	0.000487	0.000000	0.000000	

Analyte	Be 313.042	Zn 202.548	Ba 493.408
Ca 373.690	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	
Be 313.042		0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000
Na 330.237	0.000000	-0.558878	0.000000
Sr 421.552	0.000000	0.000000	0.000000
Sb 217.582	0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000
xSn 283.998	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000
Cd 214.439	0.000000	-0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000000
Pb 220.353	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000
Ni 216.555	0.000000	0.000000	0.000000
Tl 190.794	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000000	0.000000
Zn 202.548	0.000000		0.000000
Ag 338.289	0.000000	0.000000	0.000000
Al 237.312	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000

Analyte	Be 313.042	Zn 202.548	Ba 493.408
Si 288.158	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000000
xK 769.897	0.000000	0.000000	0.000000
xK 766.491	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.273376
Sn 189.925	0.000000	0.000000	0.000000
xMg 279.800	0.000000	0.000000	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
mg/L	1	1E6
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
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) **12/13/2010, 10:31:41 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	0.341	11.4	2.99194
Al 237.312	0.000000	ug/L	5.303	42.9	12.3694
As 188.980	0.000000	ug/L	0.005	0.4	1.48048
B 249.678	0.000000	ug/L	10.708	34.1	31.3921
Ba 493.408	0.000000	ug/L	24.305	21.0	115.974
Be 313.042	0.000000	ug/L	1.451	0.8	181.813
Ca 373.690	0.000000	ug/L	0.737	1.4	53.5460
Cd 214.439	0.000000	ug/L	1.032	16.5	6.26039
Co 228.615	0.000000	ug/L	0.155	1.4	10.7796
Cr 267.716	0.000000	ug/L	2.902	14.4	20.1663
Cu 327.395	0.000000	ug/L	3.221	3.9	82.6929
Fe 273.955	0.000000	ug/L	1.145	4.9	23.5488
K 404.721	0.000000	ug/L	3.228	25.3	12.7744
Li 610.365	0.000000	ug/L	1.235	7.9	-15.6426
Mg 279.078	0.000000	ug/L	2.458	24.4	10.0911
Mn 257.610	0.000000	ug/L	2.670	12.3	21.6951
Mo 202.032	0.000000	ug/L	1.551	15.1	10.2849
Na 330.237	0.000000	ug/L	1.526	21.2	7.20667

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	0.000000	ug/L	0.842	73.1	1.15244
Pb 220.353	0.000000	ug/L	2.719	29.3	9.27582
Sb 217.582	0.000000	ug/L	0.202	3.5	5.69099
Se 196.026	0.000000	ug/L	1.234	46.0	2.68251
Si 251.611	0.000000	ug/L	37.759	41.9	90.0976
Si 288.158	0.000000	ug/L	69.707	11.4	612.929
Sn 189.925	0.000000	ug/L	0.024	1.1	2.19684
Sr 421.552	0.000000	ug/L	4.215	10.8	38.9980
Ti 336.122	0.000000	ug/L	2.957	5.4	54.7922
Tl 190.794	0.000000	ug/L	0.417	29.8	1.39964
V 292.401	0.000000	ug/L	1.162	10.2	11.4174
Zn 202.548	0.000000	ug/L	0.711	1.7	40.7206
Zr 339.198	0.000000	ug/L	3.267	33.1	9.87683

Standard 1 (Std) **12/13/2010, 10:34:43 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	17.439	0.2	9651.44
Al 237.312	5000.00	ug/L	19.744	0.1	21922.3
As 188.980	1000.00	ug/L	0.614	0.0	1255.61
B 249.678	1000.00	ug/L	533.022	1.7	31070.3
Ba 493.408	1000.00	ug/L	6478.335	0.3	2544783
Be 313.042	1000.00	ug/L	1271.024	0.0	3742197
Ca 373.690	20000.0	ug/L	135.372	0.1	129176
Cd 214.439	1000.00	ug/L	77.782	0.2	47493.3
Co 228.615	1000.00	ug/L	1.706	0.0	10751.9
Cr 267.716	1000.00	ug/L	8.811	0.0	52176.0
Cu 327.395	1000.00	ug/L	494.345	0.7	68979.1
Fe 273.955	5000.00	ug/L	23.970	0.0	91338.2
K 404.721	20000.0	ug/L	1.714	0.5	362.946
Li 610.365	5000.00	ug/L	71.153	0.0	396623
Mg 279.078	20000.0	ug/L	32.383	0.0	104658
Mn 257.610	1000.00	ug/L	104.652	0.0	330196
Mo 202.032	1000.00	ug/L	84.961	0.8	10007.6
Na 330.237	20000.0	ug/L	0.224	0.0	3534.93
Ni 216.555	1000.00	ug/L	30.272	0.3	9853.42
Pb 220.353	1000.00	ug/L	3.068	0.1	5921.33
Sb 217.582	1000.00	ug/L	5.590	0.3	2132.03
Se 196.026	1000.00	ug/L	1.192	0.2	686.981
Si 251.611	1000.00	ug/L	40.342	0.7	6058.04
Si 288.158	1000.00	ug/L	122.349	0.9	12915.1
Sn 189.925	1000.00	ug/L	2.092	0.1	1876.73
Sr 421.552	1000.00	ug/L	5148.444	0.2	2933088
Ti 336.122	1000.00	ug/L	1058.406	0.4	288329
Tl 190.794	1000.00	ug/L	1.000	0.1	1142.89
V 292.401	1000.00	ug/L	69.064	0.2	45179.7
Zn 202.548	1000.00	ug/L	60.571	0.2	31885.5
Zr 339.198	1000.00	ug/L	346.585	0.6	62855.4

Standard 2 (Std) **12/13/2010, 10:38:01 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	317.231	0.3	104818
Ca 373.690	100000	ug/L	2698.408	0.5	593605
Fe 273.955	25000.0	ug/L	906.356	0.2	420287
K 404.721	100000	ug/L	11.209	0.5	2439.27
Mg 279.078	100000	ug/L	592.357	0.1	500432
Na 330.237	100000	ug/L	3.172	0.0	20485.9

Ag 338.289 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.99194	0.000000	0.000000	-	-
Standard 1		9651.44	1000.00	1000.000	-0.000122	0.0

Curve Type: Linear Equation: $y = 9.6 x + 3.0$

Al 237.312 Calibration (ug/L) **12/13/2010, 10:38:01 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.3694	0.000000	0.000000	-	-
Standard 1		21922.3	5000.00	5000.00	0.000000	0.0
Standard 2		104818	25000.0	25000.0	0.003906	0.0

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 4.4 x + 12.4$

As 188.980 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.48048	0.000000	0.000000	-	-
Standard 1		1255.61	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 1.3 x + 1.5$

B 249.678 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.3921	0.000000	0.000000	-	-
Standard 1		31070.3	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 31.0 x + 31.4$

Ba 493.408 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		115.974	0.000000	0.000000	-	-
Standard 1		2544783	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: $y = 2544.7 x + 116.0$

Be 313.042 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		181.813	0.000000	0.000000	-	-
Standard 1		3742197	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 3742.0 x + 181.8

Ca 373.690 Calibration (ug/L) **12/13/2010, 10:38:01 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		53.5460	0.000000	0.000000	-	-
Standard 1		129176	20000.0	20000.0	0.000000	0.0
Standard 2		593605	100000	100000	0.078125	0.0

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 6.6 x + 53.5$

Cd 214.439 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.26039	0.000000	0.000000	-	-
Standard 1		47493.3	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 47.5 x + 6.3

Co 228.615 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.7796	0.000000	0.000000	-	-
Standard 1		10751.9	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 10.7 x + 10.8

Cr 267.716 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.1663	0.000000	0.000000	-	-
Standard 1		52176.0	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 52.2 x + 20.2

Cu 327.395 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		82.6929	0.000000	0.000000	-	-
Standard 1		68979.1	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 68.9 x + 82.7

Fe 273.955 Calibration (ug/L) **12/13/2010, 10:38:01 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		23.5488	0.000000	0.000000	-	-
Standard 1		91338.2	5000.00	5000.00	0.000488	0.0
Standard 2		420287	25000.0	25000.0	0.007813	0.0

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 18.6\ x + 23.5$

K 404.721 Calibration (ug/L) **12/13/2010, 10:38:01 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.7744	0.000000	0.000000	-	-
Standard 1		362.946	20000.0	20000.0	0.000000	0.0
Standard 2		2439.27	100000	99999.9	-0.078125	0.0

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 0.0\ x + 12.8$

Li 610.365 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-15.6426	0.000000	0.000000	-	-
Standard 1		396623	5000.00	5000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 79.3\ x + -15.6$

Mg 279.078 Calibration (ug/L) **12/13/2010, 10:38:01 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.0911	0.000000	0.000000	-	-
Standard 1		104658	20000.0	20000.0	0.000000	0.0
Standard 2		500432	100000	100000	0.015625	0.0

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 5.3\ x + 10.1$

Mn 257.610 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.6951	0.000000	0.000000	-	-
Standard 1		330196	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 330.2\ x + 21.7$

Mo 202.032 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.2849	0.000000	0.000000	-	-
Standard 1		10007.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 10.0\ x + 10.3$

Na 330.237 Calibration (ug/L) **12/13/2010, 10:38:01 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.20667	0.000000	0.000000	-	-
Standard 1		3534.93	20000.0	20000.0	0.000000	0.0
Standard 2		20485.9	100000	100000.0	-0.007813	0.0

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 0.2\ x + 7.2$

Ni 216.555 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.15244	0.000000	0.000000	-	-
Standard 1		9853.42	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 9.9\ x + 1.2$

Pb 220.353 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.27582	0.000000	0.000000	-	-
Standard 1		5921.33	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 5.9\ x + 9.3$

Sb 217.582 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.69099	0.000000	0.000000	-	-
Standard 1		2132.03	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 2.1\ x + 5.7$

Se 196.026 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.68251	0.000000	0.000000	-	-
Standard 1		686.981	1000.00	1000.00	0.000122	0.0

Curve Type: Linear Equation: $y = 0.7\ x + 2.7$

Si 251.611 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		90.0976	0.000000	0.000000	-	-
Standard 1		6058.04	1000.00	1000.00	0.000122	0.0

Curve Type: Linear Equation: $y = 6.0\ x + 90.1$

Si 288.158 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		612.929	0.000000	0.000000	-	-
Standard 1		12915.1	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 12.3 x + 612.9

Sn 189.925 Calibration (ug/L) 12/13/2010, 10:34:43 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.19684	0.000000	0.000000	-	-
Standard 1		1876.73	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.9 x + 2.2

Sr 421.552 Calibration (ug/L) 12/13/2010, 10:34:43 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		38.9980	0.000000	0.000000	-	-
Standard 1		2933088	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 2933.0 x + 39.0

Ti 336.122 Calibration (ug/L) 12/13/2010, 10:34:43 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		54.7922	0.000000	0.000000	-	-
Standard 1		288329	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 288.3 x + 54.8

Tl 190.794 Calibration (ug/L) 12/13/2010, 10:34:43 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.39964	0.000000	0.000000	-	-
Standard 1		1142.89	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.1 x + 1.4

V 292.401 Calibration (ug/L) 12/13/2010, 10:34:43 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.4174	0.000000	0.000000	-	-
Standard 1		45179.7	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 45.2 x + 11.4

Zn 202.548 Calibration (ug/L) 12/13/2010, 10:34:43 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		40.7206	0.000000	0.000000	-	-
Standard 1		31885.5	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 31.8 x + 40.7

Zr 339.198 Calibration (ug/L) **12/13/2010, 10:34:43 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.87683	0.000000	0.000000	-	-
Standard 1		62855.4	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 62.8 x + 9.9

RB (PBLK) **12/13/2010, 10:40:57 AM** **Rack 0, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.301889	ug/L	0.071990	23.8	5.86053	-
Al 237.312	1.41692	ug/L	0.324560	22.9	18.3687	-
As 188.980	1.16111	ug/L	0.959154	82.6	2.93623	-
B 249.678	5.00843	ug/L	0.138370	2.8	187.086	-
Ba 493.408	0.229906	ug/L	0.008912	3.9	701.008	-
Be 313.042	0.063961	ug/L	0.015452	24.2	459.527	-
Ca 373.690	2.65092	ug/L	0.151658	5.7	70.2639	-
Cd 214.439	0.456046	ug/L	0.004657	1.0	27.9022	-
Co 228.615	0.155560	ug/L	0.018063	11.6	12.4365	-
Cr 267.716	0.085142	ug/L	0.006049	7.1	24.6068	-
Cu 327.395	0.065710uv	ug/L	0.142253	216.5	87.1943	-
Fe 273.955	2.31501	ug/L	0.100416	4.3	66.6522	-
K 404.721	-122.014uv	ug/L	88.4367	72.5	10.8433	-
Li 610.365	-0.154315uv	ug/L	0.063510	41.2	-27.7578	-
Mg 279.078	2.85954	ug/L	0.460288	16.1	25.2064	-
Mn 257.610	0.106050	ug/L	0.019785	18.7	56.7148	-
Mo 202.032	1.40729	ug/L	0.181210	12.9	24.3541	-
Na 330.237	12.5605uv	ug/L	39.7449	316.4	9.85022	-
Ni 216.555	0.447504	ug/L	0.210407	47.0	5.59674	-
Pb 220.353	-0.463830uv	ug/L	0.192357	41.5	6.53375	-
Sb 217.582	-1.17803uv	ug/L	0.621464	52.8	3.18611	-
Se 196.026	4.02003	ug/L	1.26532	31.5	5.43319	-
Si 251.611	-6.15780uv	ug/L	0.206436	3.4	53.3397	-
Si 288.158	-5.41221uv	ug/L	0.623321	11.5	546.124	-
Sn 189.925	0.244330	ug/L	0.080404	32.9	2.65469	-
Sr 421.552	0.160044	ug/L	0.007980	5.0	506.728	-
Ti 336.122	0.007573uv	ug/L	0.049650	655.6	56.9751	-
Tl 190.794	11.5872	ug/L	0.201351	1.7	14.6216	-
V 292.401	0.207152	ug/L	0.036548	17.6	20.7303	-
Zn 202.548	0.160694	ug/L	0.000677	0.4	45.2235	-
Zr 339.198	0.152052	ug/L	0.025140	16.5	19.5215	-

IPC (ICV) **12/13/2010, 10:43:50 AM** **Rack 0, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	998.554	ug/L	2.23750	0.2	9658.44	99.85543
Al 237.312	4992.73	ug/L	1.72185	0.0	22070.8	99.85458
As 188.980	998.254	ug/L	3.17067	0.3	1253.77	99.82540
B 249.678	994.234	ug/L	7.79898	0.8	30977.7	99.42342
Ba 493.408	996.515	ug/L	3.19441	0.3	2535915	99.65151
Be 313.042	997.406	ug/L	0.478799	0.0	3759719	99.74057

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	19863.1	ug/L	21.7877	0.1	128581	99.31561
Cd 214.439	991.542	ug/L	0.965021	0.1	47097.6	99.15421
Co 228.615	994.908	ug/L	0.330895	0.0	10721.5	99.49081
Cr 267.716	993.284	ug/L	0.870375	0.1	51825.8	99.32835
Cu 327.395	989.878	ug/L	2.50893	0.3	68299.0	98.98785
Fe 273.955	4968.46	ug/L	4.69149	0.1	90785.9	99.36917
K 404.721	19609.9	ug/L	36.0887	0.2	361.197	98.04974
Li 610.365	4947.89	ug/L	16.4789	0.3	392574	98.95774
Mg 279.078	19854.7	ug/L	9.02942	0.0	103909	99.27348
Mn 257.610	994.965	ug/L	0.209663	0.0	328685	99.49651
Mo 202.032	994.489	ug/L	7.40706	0.7	9952.51	99.44885
Na 330.237	19886.0	ug/L	58.0339	0.3	3418.07	99.42995
Ni 216.555	995.423	ug/L	5.21431	0.5	9847.16	99.54233
Pb 220.353	992.694	ug/L	0.668480	0.1	5878.11	99.26937
Sb 217.582	996.266	ug/L	6.65196	0.7	2124.10	99.62661
Se 196.026	999.722	ug/L	5.05579	0.5	687.259	99.97216
Si 251.611	992.717	ug/L	6.04239	0.6	6170.74	99.27167
Si 288.158	991.001	ug/L	5.86393	0.6	12995.0	99.10010
Sn 189.925	995.451	ug/L	1.83540	0.2	1869.06	99.54510
Sr 421.552	996.928	ug/L	0.407933	0.0	2925240	99.69279
Ti 336.122	990.187	ug/L	6.13272	0.6	285500	99.01871
Tl 190.794	996.759	ug/L	1.77977	0.2	1144.16	99.67595
V 292.401	994.731	ug/L	0.027406	0.0	44995.1	99.47307
Zn 202.548	988.980	ug/L	0.543364	0.1	31807.8	98.89798
Zr 339.198	1004.59	ug/L	0.251959	0.0	63160.5	-

ICV (ICV) **12/13/2010, 10:46:44 AM** **Rack 0, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1003.69	ug/L	2.79248	0.3	9707.83	100.36913
Al 237.312	961.533	ug/L	1.46963	0.2	4443.34	96.15331
As 188.980	990.520	ug/L	0.313200	0.0	1244.06	99.05199
B 249.678	994.852	ug/L	4.19970	0.4	30983.2	99.48524
Ba 493.408	976.485	ug/L	1.67549	0.2	2484945	97.64852
Be 313.042	985.895	ug/L	0.221705	0.0	3716364	98.58950
Ca 373.690	9841.29	ug/L	16.8035	0.2	64295.6	98.41290
Cd 214.439	994.873	ug/L	1.89254	0.2	47251.1	99.48726
Co 228.615	982.076	ug/L	0.736023	0.1	10582.1	98.20757
Cr 267.716	984.966	ug/L	1.42146	0.1	51391.9	98.49657
Cu 327.395	979.050	ug/L	1.99590	0.2	67552.7	97.90501
Fe 273.955	984.453	ug/L	0.942752	0.1	18302.3	98.44535
K 404.721	9260.07	ug/L	416.229	4.5	171.351	92.60074
Li 610.365	10326.0	ug/L	50.0506	0.5	819207	103.26019
Mg 279.078	9821.46	ug/L	28.7380	0.3	51685.6	98.21459
Mn 257.610	1000.46	ug/L	1.41003	0.1	330421	100.04592
Mo 202.032	987.760	ug/L	3.22531	0.3	9885.24	98.77600
Na 330.237	9396.10	ug/L	35.5839	0.4	1538.72	93.96097
Ni 216.555	995.594	ug/L	3.51572	0.4	9844.32	99.55943
Pb 220.353	984.111	ug/L	2.67832	0.3	5827.40	98.41106
Sb 217.582	997.454	ug/L	1.30955	0.1	2126.62	99.74541
Se 196.026	983.604	ug/L	5.81227	0.6	676.262	98.36040
Si 251.611	595.594	ug/L	28.4725	4.8	3800.09	119.11882Q
Si 288.158	595.168	ug/L	29.6702	5.0	8125.42	119.03369Q

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	995.454	ug/L	4.47587	0.4	1868.63	99.54545
Sr 421.552	1004.54	ug/L	2.53953	0.3	2946988	100.45420
Ti 336.122	997.623	ug/L	1.24387	0.1	287644	99.76234
Tl 190.794	993.534	ug/L	2.01973	0.2	1140.37	99.35341
V 292.401	981.216	ug/L	0.917720	0.1	44371.1	98.12165
Zn 202.548	973.202	ug/L	2.15403	0.2	31300.1	97.32016
Zr 339.198	1030.13	ug/L	9.29467	0.9	64762.2	-

ICB (ICB) **12/13/2010, 10:49:38 AM** **Rack 0, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.216154	ug/L	0.281187	130.1	5.02679	0.21615
Al 237.312	0.528875	ug/L	0.286559	54.2	14.4129	0.52888
As 188.980	0.857138	ug/L	0.362645	42.3	2.55499	0.85714
B 249.678	21.1304	ug/L	2.42942	11.5	687.506	21.13044
Ba 493.408	0.073405	ug/L	0.003770	5.1	302.766	0.07341
Be 313.042	0.015909	ug/L	0.000326	2.0	267.822	0.01591
Ca 373.690	0.872604	ug/L	0.016461	1.9	58.4417	0.87260
Cd 214.439	0.105064	ug/L	0.009353	8.9	11.2328	0.10506
Co 228.615	-0.029431uv	ug/L	0.246716	838.3	10.4512	-0.02943
Cr 267.716	0.042906uv	ug/L	0.071507	166.7	22.4039	0.04291
Cu 327.395	0.054263uv	ug/L	0.094350	173.9	86.4036	0.05426
Fe 273.955	0.346373	ug/L	0.175396	50.6	29.9843	0.34637
K 404.721	-512.647uv	ug/L	60.4783	11.8	4.66284	-512.64703
Li 610.365	-0.037295uv	ug/L	0.058566	157.0	-17.9883	-0.03729
Mg 279.078	1.06710	ug/L	0.010836	1.0	15.7240	1.06710
Mn 257.610	0.037303	ug/L	0.003469	9.3	33.9911	0.03730
Mo 202.032	7.16333	ug/L	0.132604	1.9	81.8991	7.16333
Na 330.237	-15.0588uv	ug/L	19.4236	129.0	5.18469	-15.05879
Ni 216.555	0.021166uv	ug/L	0.132328	625.2	1.37927	0.02117
Pb 220.353	-0.069216uv	ug/L	0.071249	102.9	8.86676	-0.06922
Sb 217.582	1.60201	ug/L	0.215433	13.4	9.09741	1.60201
Se 196.026	2.08682	ug/L	0.404591	19.4	4.11028	2.08682
Si 251.611	-6.37360uv	ug/L	0.354281	5.6	52.6300	-6.37360
Si 288.158	-4.90320uv	ug/L	0.698060	14.2	552.808	-4.90320
Sn 189.925	-0.062369uv	ug/L	0.128166	205.5	2.07967	-0.06237
Sr 421.552	0.042886	ug/L	0.002396	5.6	162.972	0.04289
Ti 336.122	0.236200	ug/L	0.007610	3.2	122.882	0.23620
Tl 190.794	2.86825	ug/L	0.533470	18.6	4.66838	2.86825
V 292.401	0.051818uv	ug/L	0.124936	241.1	13.7160	0.05182
Zn 202.548	0.032211uv	ug/L	0.028681	89.0	41.1257	0.03221
Zr 339.198	0.043106uv	ug/L	0.067476	156.5	12.7256	-

CRI-RL (CRI) **12/13/2010, 10:52:33 AM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	4.76168	ug/L	0.428951	9.0	49.0684	95.23360
Al 237.312	114.314	ug/L	0.334601	0.3	520.223	114.31364
As 188.980	10.4027	ug/L	0.183215	1.8	14.5284	104.02668
B 249.678	21.9036	ug/L	0.430951	2.0	715.181	219.03577R
Ba 493.408	11.2511	ug/L	0.015787	0.1	28746.3	112.51118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.962855	ug/L	0.000874	0.1	4069.05	96.28549
Ca 373.690	431.926	ug/L	0.136143	0.0	2902.57	107.98145
Cd 214.439	1.07261	ug/L	0.062231	5.8	57.3111	107.26105
Co 228.615	10.3969	ug/L	0.276541	2.7	122.728	103.96917
Cr 267.716	5.47139	ug/L	0.059258	1.1	305.533	109.42787
Cu 327.395	11.2269	ug/L	0.014673	0.1	856.337	112.26875
Fe 273.955	109.414	ug/L	0.033437	0.0	2060.69	109.41423
K 404.721	3221.33	ug/L	673.163	20.9	64.6858	80.53331
Li 610.365	80.7665	ug/L	0.057174	0.1	6392.45	80.76655
Mg 279.078	429.105	ug/L	0.116636	0.0	2279.36	107.27627
Mn 257.610	11.3364	ug/L	0.016863	0.1	3768.00	113.36438
Mo 202.032	12.3984	ug/L	0.051491	0.4	134.236	123.98410
Na 330.237	1931.40	ug/L	16.0474	0.8	331.130	96.56979
Ni 216.555	11.2329	ug/L	0.244735	2.2	112.274	112.32928
Pb 220.353	5.35545	ug/L	0.895601	16.7	40.9370	107.10905
Sb 217.582	10.1811	ug/L	0.243057	2.4	27.3394	101.81079
Se 196.026	10.8387	ug/L	0.594162	5.5	10.1041	108.38673
Si 251.611	102.014	ug/L	0.437086	0.4	700.637	102.01427
Si 288.158	104.444	ug/L	0.471219	0.5	1899.71	104.44443
Sn 189.925	53.3064	ug/L	0.049144	0.1	102.140	106.61278
Sr 421.552	22.7307	ug/L	0.049787	0.2	66733.2	113.65356
Ti 336.122	10.9079	ug/L	0.071910	0.7	3199.25	109.07869
Tl 190.794	12.4224	ug/L	1.73313	14.0	15.6259	124.22411
V 292.401	10.3585	ug/L	0.014060	0.1	480.092	103.58475
Zn 202.548	54.2711	ug/L	0.058523	0.1	1771.47	108.54215
Zr 339.198	10.1366	ug/L	0.009798	0.1	647.887	101.36555

CRI-MCP (CRI) **12/13/2010, 10:55:27 AM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.95721	ug/L	0.778711	9.8	82.1919	113.67446
Al 237.312	20.7791	ug/L	0.516904	2.5	103.994	-
As 188.980	50.8334	ug/L	0.600131	1.2	65.2694	101.66670
B 249.678	8.25179	ug/L	0.376179	4.6	288.686	-
Ba 493.408	2103.60	ug/L	3.95538	0.2	5353089	105.18024
Be 313.042	3.85149	ug/L	0.000161	0.0	15988.6	96.28722
Ca 373.690	22.4170	ug/L	0.187732	0.8	200.421	-
Cd 214.439	5.33556	ug/L	0.011610	0.2	259.599	106.71114
Co 228.615	-0.108764uv	ug/L	0.183577	168.8	9.93405	-
Cr 267.716	108.833	ug/L	0.178428	0.2	5696.45	108.83327
Cu 327.395	-0.101428uv	ug/L	0.038944	38.4	75.6741	-
Fe 273.955	1.71847	ug/L	0.509598	29.7	56.9537	-
K 404.721	-1086.49uv	ug/L	155.899	14.3	4.94116	-
Li 610.365	0.019125	ug/L	0.009993	52.3	-14.0273	-
Mg 279.078	2.66365	ug/L	0.159157	6.0	24.1700	-
Mn 257.610	0.174276	ug/L	0.007610	4.4	79.2211	-
Mo 202.032	1.04627	ug/L	0.022779	2.2	20.7448	-
Na 330.237	407.424uv	ug/L	2.92267	0.7	-7.09204	-
Ni 216.555	112.047	ug/L	0.448572	0.4	1106.77	112.04654
Pb 220.353	16.5007	ug/L	0.068715	0.4	106.829	110.00487
Sb 217.582	5.81704	ug/L	0.145367	2.5	18.0600	96.95061
Se 196.026	51.4504	ug/L	0.613178	1.2	37.8897	102.90078
Si 251.611	-3.97025uv	ug/L	0.412822	10.4	66.4408	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	-3.54076uv	ug/L	0.048862	1.4	569.289	-
Sn 189.925	0.471154	ug/L	0.155700	33.0	3.07986	-
Sr 421.552	0.035593	ug/L	0.005011	14.1	142.842	-
Ti 336.122	0.066522	ug/L	0.009549	14.4	73.9685	-
Tl 190.794	3.94082	ug/L	0.465806	11.8	6.00843	197.04086R
V 292.401	51.9060	ug/L	0.076614	0.1	2355.89	103.81192
Zn 202.548	935.061	ug/L	5.24965	0.6	29816.9	103.89568
Zr 339.198	-0.044026uv	ug/L	0.036265	82.4	7.14014	-

ICSA (ICSA) **12/13/2010, 10:58:22 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	-0.036581	ug/L	0.168385	460.3	4.47253	-0.03658
Al 237.312	112138	ug/L	713.697	0.6	449449	2137.80469K
As 188.980	0.832642	ug/L	0.826569	99.3	2.58084	0.83264
B 249.678	5.30224	ug/L	0.830445	15.7	195.255	5.30224
Ba 493.408	1.02204	ug/L	0.009335	0.9	2716.73	1.02204
Be 313.042	0.080980	ug/L	0.000199	0.2	551.544	0.08098
Ca 373.690	107233	ug/L	509.205	0.5	6361567	233.17188K
Cd 214.439	-0.569636	ug/L	0.022695	4.0	88.1071	-0.56964
Co 228.615	-0.031644	ug/L	0.725974	2294.2	50.4027	-0.03164
Cr 267.716	0.378902	ug/L	0.017639	4.7	40.4801	0.37890
Cu 327.395	0.609187	ug/L	0.032243	5.3	124.698	0.60919
Fe 273.955	111900	ug/L	398.350	0.4	1723365	1900.40625K
K 404.721	369.556	ug/L	25.0625	6.8	24.0222	369.55621
Li 610.365	1.27048	ug/L	0.026358	2.1	85.1699	1.27048
Mg 279.078	107266	ug/L	430.313	0.4	534787	7266.39063K
Mn 257.610	-0.395609	ug/L	0.006339	1.6	686.228	-0.39561
Mo 202.032	0.273146	ug/L	0.243925	89.3	13.0156	0.27315
Na 330.237	95.8488	ug/L	31.9746	33.4	23.2145	95.84877
Ni 216.555	2.66073	ug/L	0.586679	22.0	127.202	2.66073
Pb 220.353	-1.47299uv	ug/L	0.007782	0.5	-0.571960	-1.47299
Sb 217.582	2.03280	ug/L	2.09526	103.1	10.0134	2.03280
Se 196.026	-1.92927uv	ug/L	1.02731	53.2	0.643356	-1.92927
Si 251.611	-8.34012uv	ug/L	1.54461	18.5	40.2620	-8.34012
Si 288.158	-4.19687uv	ug/L	0.996466	23.7	561.122	-4.19687
Sn 189.925	-0.725274	ug/L	0.163836	22.6	5.30925	-0.72527
Sr 421.552	0.743912	ug/L	0.015321	2.1	8109.36	0.74391
Ti 336.122	0.373958	ug/L	0.006050	1.6	164.387	0.37396
Tl 190.794	0.322046uv	ug/L	1.15348	358.2	2.13498	0.32205
V 292.401	-2.92727	ug/L	0.006088	0.2	85.0878	-2.92727
Zn 202.548	7.49876	ug/L	0.426173	5.7	327.235	7.49876
Zr 339.198	0.592591	ug/L	0.072107	12.2	48.6343	-

ICSAB (ICSAB) **12/13/2010, 11:01:17 AM** **Rack 0, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	597.958	ug/L	1.95589	0.3	5785.75	99.65961
Al 237.312	111001	ug/L	226.948	0.2	445045	111.00121
As 188.980	1887.26	ug/L	8.33837	0.4	2368.59	94.36310
B 249.678	4.40768	ug/L	0.087939	2.0	196.863	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ba 493.408	563.350	ug/L	1.99111	0.4	1433655	93.89172
Be 313.042	172.858	ug/L	0.560519	0.3	697496	86.42888
Ca 373.690	105478	ug/L	29.9968	0.0	626827	105.47758
Cd 214.439	547.979	ug/L	0.479231	0.1	26135.7	91.32986
Co 228.615	552.135	ug/L	0.016616	0.0	5982.49	92.02256
Cr 267.716	548.874	ug/L	0.498220	0.1	28647.7	91.47895
Cu 327.395	582.101	ug/L	4.14700	0.7	40197.0	97.01682
Fe 273.955	110433	ug/L	127.903	0.1	1701362	110.43271
K 404.721	39744.4	ug/L	451.062	1.1	786.074	99.36091
Li 610.365	1.27801	ug/L	0.208289	16.3	85.7559	-
Mg 279.078	105096	ug/L	132.400	0.1	524545	105.09629
Mn 257.610	365.847	ug/L	0.401438	0.1	121592	91.46171
Mo 202.032	0.318362	ug/L	0.045911	14.4	13.4677	-
Na 330.237	258.843uv	ug/L	18.6272	7.2	3.83691	-
Ni 216.555	548.536	ug/L	0.712372	0.1	5568.03	91.42272
Pb 220.353	1782.82	ug/L	0.913922	0.1	10548.3	89.14116
Sb 217.582	1011.15	ug/L	3.45245	0.3	2155.74	101.11476
Se 196.026	920.373	ug/L	0.213073	0.0	631.969	92.03727
Si 251.611	-9.74662uv	ug/L	0.459517	4.7	42.7243	-
Si 288.158	-5.24093uv	ug/L	0.395696	7.6	571.081	-
Sn 189.925	-0.636642	ug/L	1.23757	194.4	5.38785	-
Sr 421.552	0.703487	ug/L	0.005973	0.8	7910.71	-
Ti 336.122	0.603381	ug/L	0.013051	2.2	230.503	-
Tl 190.794	1781.80	ug/L	6.26565	0.4	2038.40	89.08993
V 292.401	558.281	ug/L	1.32595	0.2	25431.3	93.04688
Zn 202.548	524.606	ug/L	7.87140	1.5	16953.4	87.43429
Zr 339.198	1.79897	ug/L	0.025135	1.4	124.437	-

RB (Samp) **12/13/2010, 11:04:12 AM** **Rack 4, Tube 2**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.185457	ug/L	0.041081	22.2	4.74219
Al 237.312	7.97275	ug/L	1.11359	14.0	47.3624
As 188.980	1.15102	ug/L	0.515775	44.8	2.92358
B 249.678	3.85632	ug/L	0.263470	6.8	151.311
Ba 493.408	0.112845	ug/L	0.011686	10.4	403.127
Be 313.042	0.044963	ug/L	0.001096	2.4	377.230
Ca 373.690	10.2861	ug/L	0.459045	4.5	120.945
Cd 214.439	0.047128	ug/L	0.001270	2.7	8.49173
Co 228.615	-0.134605uv	ug/L	0.177264	131.7	9.32465
Cr 267.716	0.120095	ug/L	0.002115	1.8	26.4298
Cu 327.395	0.197602	ug/L	0.013486	6.8	96.2771
Fe 273.955	8.96031	ug/L	0.883067	9.9	190.422
K 404.721	-414.244uv	ug/L	129.032	31.1	6.22021
Li 610.365	0.001588uv	ug/L	0.003099	195.1	-15.4902
Mg 279.078	5.36830	ug/L	0.637544	11.9	38.4816
Mn 257.610	0.388982	ug/L	0.005740	1.5	150.147
Mo 202.032	0.199292	ug/L	0.189805	95.2	12.2773
Na 330.237	-3.75689uv	ug/L	17.3329	461.4	7.02234
Ni 216.555	0.690410	ug/L	0.077980	11.3	7.98305
Pb 220.353	-0.365410uv	ug/L	0.309347	84.7	7.11554
Sb 217.582	0.316881	ug/L	0.397568	125.5	6.36479
Se 196.026	2.10785	ug/L	0.752057	35.7	4.12478

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	-6.35481uv	ug/L	0.525499	8.3	52.0701
Si 288.158	-5.62805uv	ug/L	0.434496	7.7	543.434
Sn 189.925	-0.197423uv	ug/L	0.747026	378.4	1.82672
Sr 421.552	0.055726	ug/L	0.001664	3.0	201.225
Ti 336.122	0.061899	ug/L	0.080667	130.3	72.6360
Tl 190.794	7.36748	ug/L	0.325242	4.4	9.80389
V 292.401	0.065802	ug/L	0.016962	25.8	14.3628
Zn 202.548	0.873990	ug/L	0.036996	4.2	67.9752
Zr 339.198	-0.096765uv	ug/L	0.030835	31.9	3.87390

CCV (CCV) **12/13/2010, 11:07:05 AM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	993.710	ug/L	0.928552	0.1	9611.70	99.37104
Al 237.312	4962.15	ug/L	5.05782	0.1	21937.0	99.24306
As 188.980	989.648	ug/L	1.37736	0.1	1242.98	98.96481
B 249.678	997.962	ug/L	0.062493	0.0	31093.0	99.79617
Ba 493.408	994.657	ug/L	0.467664	0.0	2531186	99.46568
Be 313.042	991.033	ug/L	1.54283	0.2	3735845	99.10332
Ca 373.690	19723.6	ug/L	12.1617	0.1	127698	98.61782
Cd 214.439	982.728	ug/L	1.90924	0.2	46679.0	98.27276
Co 228.615	986.525	ug/L	1.11560	0.1	10631.6	98.65246
Cr 267.716	985.031	ug/L	1.09385	0.1	51395.4	98.50311
Cu 327.395	988.857	ug/L	4.51113	0.5	68228.5	98.88573
Fe 273.955	4938.39	ug/L	5.34646	0.1	90247.5	98.76788
K 404.721	19832.4	ug/L	28.7953	0.1	365.483	99.16202
Li 610.365	4910.29	ug/L	5.23149	0.1	389592	98.20587
Mg 279.078	19719.8	ug/L	7.47848	0.0	103211	98.59908
Mn 257.610	987.733	ug/L	1.31374	0.1	326297	98.77335
Mo 202.032	985.912	ug/L	6.17890	0.6	9866.77	98.59125
Na 330.237	19793.1	ug/L	61.7158	0.3	3401.58	98.96542
Ni 216.555	989.614	ug/L	3.42242	0.3	9789.89	98.96142
Pb 220.353	986.119	ug/L	1.94618	0.2	5839.24	98.61195
Sb 217.582	989.948	ug/L	3.40511	0.3	2110.66	98.99477
Se 196.026	985.250	ug/L	1.40506	0.1	677.354	98.52496
Si 251.611	983.964	ug/L	4.06491	0.4	6119.26	98.39641
Si 288.158	981.765	ug/L	4.17057	0.4	12882.5	98.17653
Sn 189.925	984.099	ug/L	1.80890	0.2	1847.78	98.40986
Sr 421.552	991.536	ug/L	1.47179	0.1	2909422	99.15365
Ti 336.122	992.218	ug/L	2.19728	0.2	286085	99.22176
Tl 190.794	986.498	ug/L	1.18349	0.1	1132.42	98.64980
V 292.401	989.608	ug/L	0.382556	0.0	44763.9	98.96083
Zn 202.548	979.673	ug/L	0.943442	0.1	31511.5	97.96731
Zr 339.198	985.368	ug/L	6.78242	0.7	61952.6	-

CCB (CCB) **12/13/2010, 11:23:34 AM** **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	0.163806	ug/L	0.137333	83.8	4.54034	0.16381
Al 237.312	20.4690	ug/L	0.590299	2.9	102.735	20.46897
As 188.980	0.859780uv	ug/L	1.47089	171.1	2.55832	0.85978

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.01890	ug/L	0.506484	12.6	156.411	4.01890
Ba 493.408	0.117423	ug/L	0.002726	2.3	414.776	0.11742
Be 313.042	0.044734	ug/L	0.000902	2.0	381.223	0.04473
Ca 373.690	21.3379	ug/L	0.423327	2.0	193.774	21.33791
Cd 214.439	-0.006915uv	ug/L	0.001607	23.2	5.92619	-0.00692
Co 228.615	0.015169uv	ug/L	0.093265	614.8	10.9357	0.01517
Cr 267.716	0.086638	ug/L	0.036421	42.0	24.6849	0.08664
Cu 327.395	0.481527	ug/L	0.028485	5.9	115.841	0.48153
Fe 273.955	9.75254	ug/L	0.058952	0.6	205.177	9.75254
K 404.721	-112.781uv	ug/L	143.175	126.9	10.9893	-112.78111
Li 610.365	-0.138553uv	ug/L	0.076150	55.0	-26.6230	-0.13855
Mg 279.078	5.54648	ug/L	0.073157	1.3	39.4246	5.54648
Mn 257.610	0.470747	ug/L	0.001428	0.3	177.144	0.47075
Mo 202.032	-0.070683uv	ug/L	0.118483	167.6	9.57827	-0.07068
Na 330.237	2.50458uv	ug/L	14.2235	567.9	7.91016	2.50458
Ni 216.555	1.25701	ug/L	0.248644	19.8	13.5723	1.25701
Pb 220.353	-0.393864uv	ug/L	0.391342	99.4	6.94733	-0.39386
Sb 217.582	1.08692	ug/L	0.057877	5.3	8.00215	1.08692
Se 196.026	1.29376uv	ug/L	2.09753	162.1	3.56773	1.29376
Si 251.611	-5.12038uv	ug/L	1.58757	31.0	59.4284	-5.12038
Si 288.158	-4.21347uv	ug/L	0.949499	22.5	560.844	-4.21347
Sn 189.925	-0.051706uv	ug/L	0.451656	873.5	2.09988	-0.05171
Sr 421.552	0.075845	ug/L	0.002183	2.9	260.854	0.07584
Ti 336.122	0.091480	ug/L	0.003533	3.9	81.1636	0.09148
Tl 190.794	1.73864	ug/L	0.987782	56.8	3.37904	1.73864
V 292.401	0.034604uv	ug/L	0.100012	289.0	12.9644	0.03460
Zn 202.548	2.80807	ug/L	0.008301	0.3	129.651	2.80807
Zr 339.198	-0.096178uv	ug/L	0.021366	22.2	3.92114	-

ICB (ICB) **12/13/2010, 11:26:29 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	-0.278914uv	ug/L	0.115799	41.5	0.253174	-0.27891
Al 237.312	-0.087526uv	ug/L	0.004657	5.3	11.6789	-0.08753
As 188.980	0.713793uv	ug/L	1.13260	158.7	2.37520	0.71379
B 249.678	2.35816	ug/L	0.216921	9.2	104.800	2.35816
Ba 493.408	-0.003150uv	ug/L	0.002618	83.1	107.958	-0.00315
Be 313.042	0.001855	ug/L	0.003133	168.9	206.576	0.00185
Ca 373.690	3.39586	ug/L	0.259518	7.6	75.0470	3.39586
Cd 214.439	-0.003196uv	ug/L	0.021551	674.4	6.09166	-0.00320
Co 228.615	-0.027036uv	ug/L	0.042264	156.3	10.4739	-0.02704
Cr 267.716	0.015210	ug/L	0.021232	139.6	20.9594	0.01521
Cu 327.395	-0.246197uv	ug/L	0.016237	6.6	65.7026	-0.24620
Fe 273.955	0.166836	ug/L	0.174047	104.3	26.6393	0.16684
K 404.721	-311.812uv	ug/L	54.3236	17.4	7.83960	-311.81241
Li 610.365	0.007575uv	ug/L	0.103762	1369.8	-15.0410	0.00757
Mg 279.078	0.553759	ug/L	0.631862	114.1	13.0085	0.55376
Mn 257.610	0.063553	ug/L	0.006667	10.5	42.6637	0.06355
Mo 202.032	-0.138746uv	ug/L	0.073763	53.2	8.89782	-0.13875
Na 330.237	22.1865	ug/L	20.8970	94.2	11.4922	22.18651
Ni 216.555	0.184382	ug/L	0.021686	11.8	2.97603	0.18438
Pb 220.353	-0.985959uv	ug/L	0.626936	63.6	3.44693	-0.98596
Sb 217.582	-0.684748uv	ug/L	0.439593	64.2	4.23499	-0.68475

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Se 196.026	1.51805	ug/L	0.731638	48.2	3.72108	1.51805
Si 251.611	-6.89151uv	ug/L	0.228674	3.3	48.8279	-6.89151
Si 288.158	-5.87175uv	ug/L	0.077082	1.3	540.395	-5.87175
Sn 189.925	0.589883	ug/L	0.194699	33.0	3.30234	0.58988
Sr 421.552	0.015842	ug/L	0.001196	7.6	83.7891	0.01584
Ti 336.122	0.034086	ug/L	0.024216	71.0	64.6179	0.03409
Tl 190.794	1.16505	ug/L	0.305142	26.2	2.72404	1.16505
V 292.401	-0.003330uv	ug/L	0.064915	1949.4	11.2211	-0.00333
Zn 202.548	0.021863uv	ug/L	0.018432	84.3	40.7177	0.02186
Zr 339.198	-0.113197uv	ug/L	0.013314	11.8	2.83533	-

ICV K Na Ca Mg 75ppm (Samp) **12/13/2010, 11:29:25 AM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.819687	ug/L	0.850030	103.7	10.8508
Al 237.312	2.82584	ug/L	0.280267	9.9	24.6501
As 188.980	-0.050053uv	ug/L	0.810730	1619.7	1.45568
B 249.678	2.86219	ug/L	0.399224	13.9	119.668
Ba 493.408	0.213351	ug/L	0.000898	0.4	658.882
Be 313.042	0.080469	ug/L	0.000408	0.5	525.405
Ca 373.690	72838.1	ug/L	61.0045	0.1	445260
Cd 214.439	0.017956	ug/L	0.009634	53.7	8.45479
Co 228.615	0.408728	ug/L	0.176095	43.1	14.9664
Cr 267.716	0.168701	ug/L	0.134780	79.9	29.3403
Cu 327.395	0.288681	ug/L	0.118705	41.1	102.560
Fe 273.955	4.61596	ug/L	0.297665	6.4	109.510
K 404.721	73153.0	ug/L	71.8984	0.1	1621.96
Li 610.365	0.872570	ug/L	0.013945	1.6	53.6494
Mg 279.078	72314.3	ug/L	35.7807	0.0	367597
Mn 257.610	0.738615	ug/L	0.003869	0.5	808.645
Mo 202.032	0.653474	ug/L	0.079174	12.1	16.8179
Na 330.237	71879.9	ug/L	359.194	0.5	14010.4
Ni 216.555	0.406586	ug/L	0.165887	40.8	5.14584
Pb 220.353	0.039544uv	ug/L	0.257050	650.0	9.64459
Sb 217.582	0.782458	ug/L	0.179730	23.0	7.35477
Se 196.026	-1.08356uv	ug/L	1.59260	147.0	1.94194
Si 251.611	-5.01730uv	ug/L	0.786130	15.7	60.1500
Si 288.158	-6.26776uv	ug/L	0.982994	15.7	535.694
Sn 189.925	-0.095404	ug/L	0.036360	38.1	5.07223
Sr 421.552	0.174878	ug/L	0.006483	3.7	4556.05
Ti 336.122	0.786221	ug/L	0.004726	0.6	281.439
Tl 190.794	1.10425	ug/L	0.473321	42.9	2.90285
V 292.401	0.444561	ug/L	0.097801	22.0	91.5055
Zn 202.548	0.226532	ug/L	0.212721	93.9	47.3707
Zr 339.198	0.168311	ug/L	0.010705	6.4	21.5031

ICV Sb 1 ppm (Samp) **12/13/2010, 11:32:18 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.025834uv	ug/L	0.267929	1037.1	3.19403
Al 237.312	0.578836	ug/L	0.246299	42.6	14.6254

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.207563uv	ug/L	0.871177	419.7	1.74030
B 249.678	1.80735	ug/L	0.241696	13.4	87.7809
Ba 493.408	0.010865	ug/L	0.001317	12.1	143.621
Be 313.042	0.007199	ug/L	0.000589	8.2	209.640
Ca 373.690	9.01509	ug/L	0.093785	1.0	112.039
Cd 214.439	-0.017802uv	ug/L	0.006064	34.1	5.37509
Co 228.615	-0.067203uv	ug/L	0.036080	53.7	10.0422
Cr 267.716	-0.066903uv	ug/L	0.036257	54.2	16.6768
Cu 327.395	-0.163525uv	ug/L	0.074940	45.8	71.3979
Fe 273.955	-0.227590uv	ug/L	0.141413	62.1	19.2919
K 404.721	-637.049uv	ug/L	0.763903	0.1	2.69458
Li 610.365	-0.063582uv	ug/L	0.145963	229.6	-20.7129
Mg 279.078	5.93818	ug/L	1.12425	18.9	41.4887
Mn 257.610	0.048933	ug/L	0.005613	11.5	35.5524
Mo 202.032	-0.481692uv	ug/L	0.124263	25.8	5.46928
Na 330.237	17.9910	ug/L	4.77621	26.5	10.7417
Ni 216.555	0.317432	ug/L	0.297499	93.7	4.26634
Pb 220.353	-0.723731uv	ug/L	0.100332	13.9	4.99725
Sb 217.582	1004.97	ug/L	18.5340	1.8	2142.60
Se 196.026	0.443216	ug/L	0.169657	38.3	2.98557
Si 251.611	-6.39019uv	ug/L	1.02210	16.0	62.5222
Si 288.158	-5.50854uv	ug/L	1.10982	20.1	567.389
Sn 189.925	-0.147251uv	ug/L	0.555631	377.3	1.92078
Sr 421.552	0.035890	ug/L	0.003317	9.2	142.940
Ti 336.122	0.022937	ug/L	0.031587	137.7	61.4041
Tl 190.794	0.320810uv	ug/L	0.669242	208.6	1.76030
V 292.401	-0.017780uv	ug/L	0.129192	726.6	10.5726
Zn 202.548	0.477941	ug/L	0.024066	5.0	55.2602
Zr 339.198	5.34401	ug/L	0.206472	3.9	345.813

CRI-RL B (Samp) **12/13/2010, 11:35:12 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.22988	ug/L	0.228977	5.4	43.9379
Al 237.312	114.422	ug/L	0.123066	0.1	520.724
As 188.980	9.74482	ug/L	0.382321	3.9	13.7033
B 249.678	12.4303	ug/L	0.099426	0.8	421.126
Ba 493.408	11.1822	ug/L	0.001238	0.0	28571.0
Be 313.042	0.966423	ug/L	0.001355	0.1	4052.79
Ca 373.690	425.024	ug/L	0.226776	0.1	2857.09
Cd 214.439	1.02532	ug/L	0.030413	3.0	55.0640
Co 228.615	10.4995	ug/L	0.252458	2.4	123.835
Cr 267.716	5.34520	ug/L	0.055367	1.0	298.951
Cu 327.395	10.8823	ug/L	0.112641	1.0	832.599
Fe 273.955	108.096	ug/L	0.279127	0.3	2036.16
K 404.721	3692.93	ug/L	32.0620	0.9	72.4026
Li 610.365	79.4317	ug/L	0.273592	0.3	6286.35
Mg 279.078	421.858	ug/L	1.03899	0.2	2241.04
Mn 257.610	11.2111	ug/L	0.002289	0.0	3726.55
Mo 202.032	9.88952	ug/L	0.073234	0.7	109.154
Na 330.237	1933.23	ug/L	0.476468	0.0	331.469
Ni 216.555	11.2666	ug/L	0.202784	1.8	112.567
Pb 220.353	4.87104	ug/L	0.390313	8.0	38.0732

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	16.9913	ug/L	1.66025	9.8	41.8202
Se 196.026	11.4822	ug/L	1.30455	11.4	10.5444
Si 251.611	100.574	ug/L	0.588594	0.6	691.886
Si 288.158	102.330	ug/L	0.364375	0.4	1873.73
Sn 189.925	53.6290	ug/L	0.200479	0.4	102.744
Sr 421.552	22.5368	ug/L	0.017139	0.1	66164.2
Ti 336.122	11.1208	ug/L	0.670748	6.0	3260.62
Tl 190.794	11.8981	ug/L	0.377834	3.2	15.0277
V 292.401	10.2850	ug/L	0.080122	0.8	476.776
Zn 202.548	53.9136	ug/L	0.136677	0.3	1759.99
Zr 339.198	7.93363	ug/L	0.155612	2.0	509.417

CRI-MCP Tl (Samp) **12/13/2010, 11:43:08 AM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.42044	ug/L	0.037681	0.5	76.9761
Al 237.312	19.5120	ug/L	0.334895	1.7	98.4108
As 188.980	49.5182	ug/L	0.131560	0.3	63.6198
B 249.678	0.955643	ug/L	0.074081	7.8	62.2079
Ba 493.408	2082.04	ug/L	4.89174	0.2	5298204
Be 313.042	3.80666	ug/L	0.011995	0.3	15801.3
Ca 373.690	19.5426	ug/L	0.669327	3.4	181.482
Cd 214.439	5.21480	ug/L	0.026872	0.5	253.864
Co 228.615	-0.073447uv	ug/L	0.004759	6.5	10.3056
Cr 267.716	107.237	ug/L	0.493516	0.5	5613.17
Cu 327.395	-0.008942uv	ug/L	0.156501	1750.2	82.0486
Fe 273.955	1.52393	ug/L	0.012605	0.8	53.3196
K 404.721	-837.938uv	ug/L	456.938	54.5	8.84790
Li 610.365	0.036717	ug/L	0.050662	138.0	-12.7500
Mg 279.078	0.333490uv	ug/L	0.696011	208.7	11.8447
Mn 257.610	0.145696	ug/L	0.007105	4.9	69.7715
Mo 202.032	-0.449714uv	ug/L	0.078484	17.5	5.78898
Na 330.237	394.489uv	ug/L	17.0333	4.3	-9.44006
Ni 216.555	109.600	ug/L	1.08634	1.0	1082.64
Pb 220.353	16.0242	ug/L	0.535314	3.3	104.012
Sb 217.582	6.29089	ug/L	0.832086	13.2	19.0676
Se 196.026	50.8987	ug/L	2.20281	4.3	37.5122
Si 251.611	-4.20784uv	ug/L	0.882391	21.0	64.8932
Si 288.158	-3.31117uv	ug/L	0.059822	1.8	572.033
Sn 189.925	0.104331uv	ug/L	0.696846	667.9	2.39217
Sr 421.552	0.026964	ug/L	0.001232	4.6	117.401
Ti 336.122	0.018225	ug/L	0.021359	117.2	60.0457
Tl 190.794	2.40955	ug/L	0.060036	2.5	4.25978
V 292.401	51.2863	ug/L	0.109825	0.2	2327.90
Zn 202.548	934.382	ug/L	3.21733	0.3	29795.3
Zr 339.198	-0.098029uv	ug/L	0.008450	8.6	3.73242

CCV (CCV) **12/13/2010, 2:30:38 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	1000.52	ug/L	2.91543	0.3	9677.24	100.05205
Al 237.312	4993.23	ug/L	14.2682	0.3	22071.4	99.86453
As 188.980	990.723	ug/L	2.59485	0.3	1244.33	99.07231
B 249.678	1011.32	ug/L	2.01977	0.2	31507.8	101.13176
Ba 493.408	1002.91	ug/L	0.554930	0.1	2552189	100.29105
Be 313.042	990.916	ug/L	0.348288	0.0	3735385	99.09161
Ca 373.690	19714.1	ug/L	9.82492	0.0	127637	98.57034
Cd 214.439	980.746	ug/L	1.03412	0.1	46584.9	98.07465
Co 228.615	985.142	ug/L	0.702403	0.1	10616.6	98.51424
Cr 267.716	985.199	ug/L	0.216828	0.0	51404.1	98.51994
Cu 327.395	988.827	ug/L	7.75418	0.8	68226.4	98.88274
Fe 273.955	4938.61	ug/L	1.20049	0.0	90251.5	98.77226
K 404.721	20624.8	ug/L	228.721	1.1	380.791	103.12408
Li 610.365	4915.78	ug/L	11.8164	0.2	390027	98.31560
Mg 279.078	19670.0	ug/L	7.81684	0.0	102953	98.34975
Mn 257.610	988.672	ug/L	0.612763	0.1	326606	98.86719
Mo 202.032	995.165	ug/L	6.23302	0.6	9959.27	99.51652
Na 330.237	19855.4	ug/L	25.4268	0.1	3413.87	99.27692
Ni 216.555	981.091	ug/L	4.25274	0.4	9705.88	98.10915
Pb 220.353	986.477	ug/L	1.45047	0.1	5841.36	98.64773
Sb 217.582	998.070	ug/L	4.90102	0.5	2127.93	99.80699
Se 196.026	988.467	ug/L	1.97277	0.2	679.556	98.84666
Si 251.611	998.505	ug/L	5.04586	0.5	6206.37	99.85048
Si 288.158	993.000	ug/L	5.51685	0.6	13020.6	99.30002
Sn 189.925	984.381	ug/L	1.31944	0.1	1848.31	98.43809
Sr 421.552	997.393	ug/L	2.24635	0.2	2926598	99.73931
Ti 336.122	989.119	ug/L	0.136812	0.0	285192	98.91186
Tl 190.794	988.135	ug/L	1.01379	0.1	1134.29	98.81352
V 292.401	991.909	ug/L	0.790661	0.1	44867.6	99.19090
Zn 202.548	971.941	ug/L	0.329859	0.0	31265.2	97.19411
Zr 339.198	1003.44	ug/L	0.239486	0.0	63088.6	-

CCB (CCB) **12/13/2010, 2:33:32 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	0.990450	ug/L	0.401486	40.5	12.5210	0.99045
Al 237.312	16.9920	ug/L	0.120575	0.7	87.4114	16.99199
As 188.980	1.42902	ug/L	0.262761	18.4	3.27235	1.42902
B 249.678	25.3335	ug/L	2.42615	9.6	818.003	25.33348
Ba 493.408	0.515393	ug/L	0.011728	2.3	1427.48	0.51539
Be 313.042	0.372331	ug/L	0.007071	1.9	1602.57	0.37233
Ca 373.690	23.2225	ug/L	0.171769	0.7	206.191	23.22246
Cd 214.439	0.414164	ug/L	0.004900	1.2	25.9222	0.41416
Co 228.615	0.426580	ug/L	0.016982	4.0	15.3656	0.42658
Cr 267.716	0.446937	ug/L	0.073236	16.4	43.4766	0.44694
Cu 327.395	0.782728	ug/L	0.116004	14.8	136.600	0.78273
Fe 273.955	9.73083	ug/L	0.195193	2.0	204.778	9.73083
K 404.721	264.388	ug/L	342.282	129.5	16.9685	264.38791
Li 610.365	-0.436135uv	ug/L	0.032208	7.4	-49.5879	-0.43614
Mg 279.078	12.2560	ug/L	0.821186	6.7	74.9140	12.25603
Mn 257.610	0.743003	ug/L	0.014401	1.9	267.087	0.74300
Mo 202.032	7.40400	ug/L	0.392903	5.3	84.3051	7.40400
Na 330.237	17.9327	ug/L	7.04402	39.3	10.5566	17.93275

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	1.43601	ug/L	0.164109	11.4	15.3295	1.43601
Pb 220.353	0.208898	ug/L	0.022725	10.9	10.5109	0.20890
Sb 217.582	0.299744uv	ug/L	0.624123	208.2	6.32835	0.29974
Se 196.026	2.31964	ug/L	3.20018	138.0	4.26988	2.31964
Si 251.611	-5.35709uv	ug/L	0.627408	11.7	58.7501	-5.35709
Si 288.158	-4.53301uv	ug/L	0.692671	15.3	557.411	-4.53301
Sn 189.925	1.32267	ug/L	0.289936	21.9	4.67647	1.32267
Sr 421.552	0.461107	ug/L	0.007530	1.6	1390.98	0.46111
Ti 336.122	0.629816	ug/L	0.001442	0.2	236.352	0.62982
Tl 190.794	4.72640	ug/L	0.255021	5.4	6.79176	4.72640
V 292.401	0.513417	ug/L	0.017241	3.4	34.6097	0.51342
Zn 202.548	2.40159	ug/L	0.073162	3.0	116.780	2.40159
Zr 339.198	0.808919	ug/L	0.071772	8.9	60.8616	-

MB 360-67039/1-A (Samp) **12/13/2010, 3:38:37 PM** **Rack 1, Tube 59**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.800882uv	ug/L	1.24165	155.0	10.6877
Al 237.312	3.08774	ug/L	1.09001	35.3	25.7039
As 188.980	0.005668uv	ug/L	0.830543	14654.2	1.48756
B 249.678	1.03623	ug/L	0.032601	3.1	64.7077
Ba 493.408	2.53899	ug/L	0.005862	0.2	6576.87
Be 313.042	0.002277	ug/L	0.001040	45.7	186.463
Ca 373.690	218.034	ug/L	0.311582	0.1	1490.42
Cd 214.439	0.041517	ug/L	0.039004	93.9	8.25703
Co 228.615	-0.243184uv	ug/L	0.069267	28.5	8.17139
Cr 267.716	0.898000	ug/L	0.084094	9.4	67.0032
Cu 327.395	1.46914	ug/L	0.024025	1.6	183.879
Fe 273.955	34.7825	ug/L	0.096510	0.3	671.316
K 404.721	-265.726uv	ug/L	275.808	103.8	8.58203
Li 610.365	0.021815uv	ug/L	0.034610	158.7	-13.9258
Mg 279.078	64.1427	ug/L	0.400801	0.6	349.373
Mn 257.610	1.25562	ug/L	0.013944	1.1	436.751
Mo 202.032	-0.233230uv	ug/L	0.038800	16.6	7.95324
Na 330.237	162.732	ug/L	34.8634	21.4	35.1666
Ni 216.555	0.760002	ug/L	0.223055	29.3	8.65672
Pb 220.353	0.490316	ug/L	0.032733	6.7	12.1747
Sb 217.582	-0.804560uv	ug/L	0.747519	92.9	3.98022
Se 196.026	0.395634uv	ug/L	1.37551	347.7	2.95335
Si 251.611	33.0209	ug/L	1.14409	3.5	287.015
Si 288.158	32.8305	ug/L	0.756421	2.3	1016.52
Sn 189.925	23.4747	ug/L	0.548813	2.3	46.2035
Sr 421.552	0.850423	ug/L	0.000619	0.1	2544.39
Ti 336.122	0.269596	ug/L	0.039549	14.7	132.510
Tl 190.794	0.394391	ug/L	0.086020	21.8	1.84476
V 292.401	-0.001616uv	ug/L	0.024419	1510.8	11.5375
Zn 202.548	1.42559	ug/L	0.061274	4.3	85.8985
Zr 339.198	0.561557	ug/L	0.100291	17.9	45.4709

LCSSRM 360-67039/2-A (Samp) 12/13/2010, 3:41:33 PM Rack 1, Tube 60
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	495.484	ug/L	0.760817	0.2	4831.21
Al 237.312	84289.5	ug/L	315.651	0.4	339389
As 188.980	1143.04	ug/L	4.12957	0.4	1435.50
B 249.678	775.834	ug/L	0.121663	0.0	24232.0
Ba 493.408	4737.87	ug/L	13.4350	0.3	12056409
Be 313.042	486.396	ug/L	0.706222	0.1	1851200
Ca 373.690	153316	ug/L	335.765	0.2	879780
Cd 214.439	1590.29	ug/L	0.810946	0.1	75634.6
Co 228.615	487.288	ug/L	0.067672	0.0	5306.24
Cr 267.716	1216.45	ug/L	1.75404	0.1	63465.7
Cu 327.395	906.858	ug/L	1.13157	0.1	62570.5
Fe 273.955	114388	ug/L	104.453	0.1	1760681
K 404.721	20689.0	ug/L	501.796	2.4	408.946
Li 610.365	22.7256	ug/L	0.138372	0.6	1918.87
Mg 279.078	36337.6	ug/L	29.1516	0.1	188520
Mn 257.610	2891.91	ug/L	5.09269	0.2	955135
Mo 202.032	1540.34	ug/L	3.57498	0.2	15409.5
Na 330.237	52886.6	ug/L	90.9433	0.2	9753.44
Ni 216.555	2570.44	ug/L	0.300555	0.0	25466.2
Pb 220.353	2354.23	ug/L	1.82508	0.1	13926.5
Sb 217.582	617.895	ug/L	1.71382	0.3	1319.56
Se 196.026	992.070	ug/L	2.20190	0.2	682.297
Si 251.611	2576.28	ug/L	35.6300	1.4	15652.4
Si 288.158	2587.80	ug/L	29.3833	1.1	32627.6
Sn 189.925	760.438	ug/L	1.22203	0.2	1429.23
Sr 421.552	951.899	ug/L	3.47774	0.4	2800035
Ti 336.122	669.728	ug/L	0.624545	0.1	193122
Tl 190.794	734.637	ug/L	2.36797	0.3	843.473
V 292.401	720.102	ug/L	0.524935	0.1	32797.1
Zn 202.548	1824.96	ug/L	6.06341	0.3	58453.4
Zr 339.198	64.6737	ug/L	0.285352	0.4	4108.78

LCDSRM 360-67039/3-A (Samp) 12/13/2010, 3:45:12 PM Rack 2, Tube 1
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	492.263	ug/L	0.794006	0.2	4799.98
Al 237.312	81469.8	ug/L	160.784	0.2	328237
As 188.980	1137.47	ug/L	4.27492	0.4	1428.51
B 249.678	779.873	ug/L	0.507499	0.1	24363.2
Ba 493.408	4660.44	ug/L	2.80081	0.1	11859388
Be 313.042	487.745	ug/L	0.098250	0.0	1856117
Ca 373.690	152997	ug/L	231.798	0.2	877927
Cd 214.439	1564.19	ug/L	1.99349	0.1	74391.0
Co 228.615	481.655	ug/L	0.067629	0.0	5244.89
Cr 267.716	1218.90	ug/L	1.00032	0.1	63593.8
Cu 327.395	905.889	ug/L	3.45677	0.4	62503.6
Fe 273.955	109920	ug/L	256.586	0.2	1693684
K 404.721	20107.4	ug/L	28.4086	0.1	396.943
Li 610.365	21.7189	ug/L	0.093559	0.4	1841.29
Mg 279.078	35900.1	ug/L	20.6055	0.1	186294

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2912.17	ug/L	5.58832	0.2	961819
Mo 202.032	1566.57	ug/L	0.649620	0.0	15671.7
Na 330.237	52301.8	ug/L	191.858	0.4	9633.83
Ni 216.555	2560.34	ug/L	3.80605	0.1	25362.8
Pb 220.353	2347.66	ug/L	2.43845	0.1	13887.8
Sb 217.582	624.279	ug/L	2.72442	0.4	1333.13
Se 196.026	991.138	ug/L	5.74744	0.6	681.698
Si 251.611	2760.26	ug/L	25.5746	0.9	16754.9
Si 288.158	2782.92	ug/L	35.7034	1.3	35033.9
Sn 189.925	768.567	ug/L	1.55659	0.2	1444.45
Sr 421.552	936.754	ug/L	1.33476	0.1	2755595
Ti 336.122	706.872	ug/L	2.73607	0.4	203829
Tl 190.794	741.877	ug/L	3.34106	0.5	851.703
V 292.401	709.530	ug/L	0.163829	0.0	32315.8
Zn 202.548	1816.81	ug/L	0.384800	0.0	58191.7
Zr 339.198	73.6784	ug/L	0.052815	0.1	4676.38

CCV (CCV) **12/13/2010, 3:48:06 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	1004.65	ug/L	2.15498	0.2	9717.10	100.46504
Al 237.312	5019.97	ug/L	6.07981	0.1	22187.7	100.39944
As 188.980	985.631	ug/L	0.908915	0.1	1237.94	98.56306
B 249.678	1014.38	ug/L	2.24005	0.2	31602.6	101.43752
Ba 493.408	1006.81	ug/L	1.11172	0.1	2562111	100.68097
Be 313.042	992.055	ug/L	2.70340	0.3	3739515	99.20555
Ca 373.690	19782.4	ug/L	33.3473	0.2	128070	98.91186
Cd 214.439	978.798	ug/L	0.533610	0.1	46492.4	97.87978
Co 228.615	987.334	ug/L	0.848580	0.1	10640.2	98.73338
Cr 267.716	986.746	ug/L	0.659417	0.1	51484.8	98.67458
Cu 327.395	999.453	ug/L	0.704906	0.1	68958.5	99.94527
Fe 273.955	4952.82	ug/L	2.48040	0.1	90505.9	99.05643
K 404.721	20598.0	ug/L	321.433	1.6	380.304	102.99009
Li 610.365	4944.22	ug/L	4.46914	0.1	392284	98.88442
Mg 279.078	19686.6	ug/L	24.6907	0.1	103039	98.43283
Mn 257.610	991.284	ug/L	1.07520	0.1	327469	99.12836
Mo 202.032	999.307	ug/L	6.49969	0.7	10000.7	99.93073
Na 330.237	19979.7	ug/L	13.1409	0.1	3436.93	99.89846
Ni 216.555	982.098	ug/L	9.39769	1.0	9715.63	98.20979
Pb 220.353	987.912	ug/L	0.081656	0.0	5849.84	98.79123
Sb 217.582	1004.04	ug/L	3.97433	0.4	2140.64	100.40443
Se 196.026	983.127	ug/L	1.01038	0.1	675.904	98.31274
Si 251.611	991.023	ug/L	8.53776	0.9	6162.31	99.10233
Si 288.158	987.263	ug/L	8.58429	0.9	12950.8	98.72635
Sn 189.925	986.011	ug/L	1.72802	0.2	1851.36	98.60114
Sr 421.552	1002.70	ug/L	3.50515	0.3	2942180	100.27032
Ti 336.122	993.120	ug/L	4.05257	0.4	286346	99.31203
Tl 190.794	985.414	ug/L	0.348979	0.0	1131.20	98.54144
V 292.401	996.558	ug/L	2.57582	0.3	45077.8	99.65575
Zn 202.548	968.798	ug/L	0.870936	0.1	31168.0	96.87983
Zr 339.198	1008.35	ug/L	2.88406	0.3	63397.0	-

CCB (CCB) **12/13/2010, 3:51:02 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	0.706395	ug/L	0.763708	108.1	9.75885	0.70640
Al 237.312	-0.429757uv	ug/L	0.348040	81.0	10.1735	-0.42976
As 188.980	1.08739	ug/L	1.22231	112.4	2.84370	1.08739
B 249.678	20.5970	ug/L	2.67985	13.0	670.887	20.59699
Ba 493.408	0.080984	ug/L	0.000367	0.5	322.050	0.08098
Be 313.042	0.021944	ug/L	0.002527	11.5	286.254	0.02194
Ca 373.690	0.904911	ug/L	0.421816	46.6	58.7172	0.90491
Cd 214.439	0.095350	ug/L	0.071094	74.6	10.7727	0.09535
Co 228.615	0.009898uv	ug/L	0.093725	946.9	10.8740	0.00990
Cr 267.716	-0.088404uv	ug/L	0.062608	70.8	15.5553	-0.08840
Cu 327.395	-0.306952uv	ug/L	0.082322	26.8	61.5178	-0.30695
Fe 273.955	1.34588	ug/L	0.147351	10.9	48.5989	1.34588
K 404.721	-117.794uv	ug/L	81.0270	68.8	10.9093	-117.79401
Li 610.365	-0.135681uv	ug/L	0.032626	24.0	-25.7676	-0.13568
Mg 279.078	0.450809uv	ug/L	1.32862	294.7	12.4650	0.45081
Mn 257.610	0.079987	ug/L	0.014843	18.6	48.0831	0.07999
Mo 202.032	7.29408	ug/L	0.575520	7.9	83.2062	7.29408
Na 330.237	-2.96823uv	ug/L	26.6309	897.2	7.23010	-2.96823
Ni 216.555	0.328557	ug/L	0.112407	34.2	4.40361	0.32856
Pb 220.353	-0.639234uv	ug/L	0.696732	109.0	5.49677	-0.63923
Sb 217.582	2.33642	ug/L	0.365833	15.7	10.6590	2.33642
Se 196.026	3.30407	ug/L	0.626217	19.0	4.94325	3.30407
Si 251.611	-6.37156uv	ug/L	0.417486	6.6	52.6782	-6.37156
Si 288.158	-6.59778uv	ug/L	0.281174	4.3	531.995	-6.59778
Sn 189.925	0.500483	ug/L	0.650304	129.9	3.13476	0.50048
Sr 421.552	0.050243	ug/L	0.001577	3.1	184.559	0.05024
Ti 336.122	0.182952	ug/L	0.007464	4.1	107.532	0.18295
Tl 190.794	2.86003	ug/L	0.131608	4.6	4.65906	2.86003
V 292.401	0.064563	ug/L	0.014015	21.7	14.2917	0.06456
Zn 202.548	0.062641uv	ug/L	0.070616	112.7	42.0026	0.06264
Zr 339.198	0.494554	ug/L	0.133156	26.9	41.0845	-

360-31465-A-13-A (Samp) **12/13/2010, 3:53:59 PM** **Rack 2, Tube 2**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	45.6814	ug/L	1.14974	2.5	473.703
Al 237.312	118998	ug/L	305.194	0.3	476592
As 188.980	123.377	ug/L	1.17873	1.0	157.184
B 249.678	35.1534	ug/L	0.618589	1.8	1272.87
Ba 493.408	494.547	ug/L	1.36590	0.3	1258572
Be 313.042	3.96513	ug/L	0.023849	0.6	18524.1
Ca 373.690	52256.0	ug/L	226.603	0.4	334020
Cd 214.439	3.39094	ug/L	0.081501	2.4	335.533
Co 228.615	57.9839	ug/L	0.314355	0.5	803.529
Cr 267.716	2691.72	ug/L	10.7552	0.4	140409
Cu 327.395	269.760	ug/L	1.50044	0.6	18669.4
Fe 273.955	177396	ug/L	681.949	0.4	2705510
K 404.721	11267.5	ug/L	10.7247	0.1	213.662
Li 610.365	105.435	ug/L	0.244724	0.2	8353.08
Mg 279.078	29605.8	ug/L	126.678	0.4	154218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3056.77	ug/L	16.2383	0.5	1009516
Mo 202.032	14.9836	ug/L	0.033465	0.2	160.081
Na 330.237	1100.83	ug/L	48.0974	4.4	129.994
Ni 216.555	124.171	ug/L	0.187609	0.2	1385.14
Pb 220.353	384.403	ug/L	1.02141	0.3	2279.90
Sb 217.582	0.761984	ug/L	0.285132	37.4	7.31128
Se 196.026	1.13194	ug/L	1.06184	93.8	3.88940
Si 251.611	3475.41	ug/L	111.644	3.2	21123.8
Si 288.158	3491.95	ug/L	97.6474	2.8	44183.5
Sn 189.925	22.5160	ug/L	0.524591	2.3	45.6898
Sr 421.552	178.644	ug/L	0.594463	0.3	527248
Ti 336.122	5463.10	ug/L	18.6234	0.3	1574926
Tl 190.794	-0.036280	ug/L	0.440682	1214.7	2.80840
V 292.401	224.598	ug/L	0.978800	0.4	10553.9
Zn 202.548	713.361	ug/L	4.45468	0.6	22906.4
Zr 339.198	53.6962	ug/L	6.83920	12.7	3413.74

360-31465-A-13-B MS (Samp) **12/13/2010, 3:56:54 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	979.944	ug/L	6.01800	0.6	9506.27
Al 237.312	116209	ug/L	334.031	0.3	465708
As 188.980	1033.52	ug/L	4.79058	0.5	1298.95
B 249.678	906.453	ug/L	0.088129	0.0	28387.3
Ba 493.408	1377.43	ug/L	12.2869	0.9	3505220
Be 313.042	889.770	ug/L	5.02782	0.6	3358139
Ca 373.690	68653.8	ug/L	269.441	0.4	428021
Cd 214.439	867.259	ug/L	3.54278	0.4	41339.3
Co 228.615	941.983	ug/L	2.31933	0.2	10304.8
Cr 267.716	3614.09	ug/L	9.83407	0.3	188516
Cu 327.395	1192.59	ug/L	5.07517	0.4	82264.2
Fe 273.955	157032	ug/L	751.235	0.5	2400161
K 404.721	31048.4	ug/L	290.617	0.9	603.539
Li 610.365	4766.55	ug/L	45.4630	1.0	378187
Mg 279.078	40033.6	ug/L	173.451	0.4	207290
Mn 257.610	3339.72	ug/L	6.89498	0.2	1103019
Mo 202.032	936.673	ug/L	4.69170	0.5	9374.51
Na 330.237	20406.5	ug/L	28.8367	0.1	3467.93
Ni 216.555	986.235	ug/L	3.48249	0.4	9891.53
Pb 220.353	1193.57	ug/L	3.60424	0.3	7064.02
Sb 217.582	445.689	ug/L	1.75618	0.4	953.383
Se 196.026	847.170	ug/L	0.410695	0.0	583.104
Si 251.611	4152.77	ug/L	129.122	3.1	25286.9
Si 288.158	4161.36	ug/L	151.083	3.6	52544.1
Sn 189.925	849.904	ug/L	1.96884	0.2	1597.09
Sr 421.552	1074.30	ug/L	4.43452	0.4	3155064
Ti 336.122	6010.42	ug/L	16.5573	0.3	1732706
Tl 190.794	823.059	ug/L	5.81507	0.7	946.783
V 292.401	1109.15	ug/L	5.27050	0.5	50515.3
Zn 202.548	1452.96	ug/L	7.69661	0.5	46703.5
Zr 339.198	564.551	ug/L	6.75170	1.2	35532.0

360-31465-A-13-C MSD (Samp) **12/13/2010, 3:59:48 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	985.385	ug/L	5.04245	0.5	9561.04
Al 237.312	113663	ug/L	427.004	0.4	455638
As 188.980	1041.64	ug/L	0.297534	0.0	1309.22
B 249.678	927.783	ug/L	4.34216	0.5	29090.1
Ba 493.408	1383.54	ug/L	5.68275	0.4	3520777
Be 313.042	902.883	ug/L	4.08977	0.5	3407434
Ca 373.690	77888.3	ug/L	413.889	0.5	479858
Cd 214.439	860.551	ug/L	3.70303	0.4	41019.8
Co 228.615	931.043	ug/L	2.16914	0.2	10193.6
Cr 267.716	3860.56	ug/L	16.8242	0.4	201371
Cu 327.395	1180.41	ug/L	20.3345	1.7	81424.9
Fe 273.955	156069	ug/L	360.448	0.2	2385716
K 404.721	30864.2	ug/L	217.696	0.7	599.623
Li 610.365	4792.14	ug/L	23.5893	0.5	380218
Mg 279.078	39204.4	ug/L	202.890	0.5	203091
Mn 257.610	3577.22	ug/L	10.2567	0.3	1181427
Mo 202.032	948.264	ug/L	4.06017	0.4	9490.38
Na 330.237	20255.2	ug/L	74.6550	0.4	3443.69
Ni 216.555	980.409	ug/L	4.37436	0.4	9833.53
Pb 220.353	1138.31	ug/L	3.13658	0.3	6737.34
Sb 217.582	512.188	ug/L	0.818995	0.2	1094.78
Se 196.026	835.550	ug/L	2.03449	0.2	575.280
Si 251.611	5313.93	ug/L	125.523	2.4	32236.7
Si 288.158	5333.38	ug/L	112.505	2.1	67003.1
Sn 189.925	859.444	ug/L	4.23418	0.5	1614.94
Sr 421.552	1139.68	ug/L	3.00201	0.3	3347306
Ti 336.122	6356.28	ug/L	43.8686	0.7	1832407
Tl 190.794	820.917	ug/L	11.7028	1.4	944.385
V 292.401	1104.34	ug/L	4.78566	0.4	50314.6
Zn 202.548	1417.56	ug/L	6.12314	0.4	45572.3
Zr 339.198	662.169	ug/L	1.55245	0.2	41676.4

360-31465-A-13-A sd (Samp) **12/13/2010, 4:02:42 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	9.54814	ug/L	0.184953	1.9	101.518
Al 237.312	24494.4	ug/L	40.8755	0.2	102818
As 188.980	24.9968	ug/L	1.81226	7.2	33.0373
B 249.678	27.3613	ug/L	2.20482	8.1	912.938
Ba 493.408	108.452	ug/L	0.160188	0.1	276091
Be 313.042	0.861316	ug/L	0.002477	0.3	4096.60
Ca 373.690	10572.3	ug/L	22.2601	0.2	70794.2
Cd 214.439	0.718857	ug/L	0.084233	11.7	77.7490
Co 228.615	12.2654	ug/L	0.017880	0.1	179.687
Cr 267.716	577.054	ug/L	0.910426	0.2	30117.0
Cu 327.395	55.2005	ug/L	0.558990	1.0	3886.05
Fe 273.955	37085.4	ug/L	64.8715	0.2	601514
K 404.721	1490.89	ug/L	250.000	16.8	38.9353
Li 610.365	14.6910	ug/L	0.416544	2.8	1151.05
Mg 279.078	6493.98	ug/L	14.4066	0.2	34264.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	680.387	ug/L	1.15587	0.2	224719
Mo 202.032	6.25999	ug/L	0.515302	8.2	72.8680
Na 330.237	83.6896uv	ug/L	20.1799	24.1	7.74646
Ni 216.555	27.1808	ug/L	0.283436	1.0	304.500
Pb 220.353	84.8619	ug/L	0.386882	0.5	510.542
Sb 217.582	2.96081	ug/L	0.253956	8.6	11.9867
Se 196.026	0.649024uv	ug/L	1.96919	303.4	3.22278
Si 251.611	746.207	ug/L	40.0269	5.4	4607.06
Si 288.158	745.210	ug/L	40.6014	5.4	9913.31
Sn 189.925	5.88515	ug/L	0.355962	6.0	13.5134
Sr 421.552	38.8337	ug/L	0.094514	0.2	114622
Ti 336.122	1186.55	ug/L	15.2148	1.3	342108
Tl 190.794	4.36683	ug/L	1.56172	35.8	6.68892
V 292.401	47.6116	ug/L	0.194941	0.4	2248.84
Zn 202.548	157.319	ug/L	0.271099	0.2	5081.80
Zr 339.198	11.0168	ug/L	0.096294	0.9	708.576

360-31465-A-13-A pds (Samp) **12/13/2010, 4:05:35 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	960.568	ug/L	1.68961	0.2	9317.77
Al 237.312	119652	ug/L	329.733	0.3	479323
As 188.980	1024.62	ug/L	3.49225	0.3	1287.73
B 249.678	938.214	ug/L	10.8246	1.2	29378.2
Ba 493.408	1387.85	ug/L	10.6756	0.8	3531733
Be 313.042	890.209	ug/L	2.80529	0.3	3359392
Ca 373.690	70327.7	ug/L	131.334	0.2	438136
Cd 214.439	861.978	ug/L	2.05883	0.2	41103.1
Co 228.615	936.725	ug/L	1.43480	0.2	10255.8
Cr 267.716	3454.40	ug/L	12.4621	0.4	180188
Cu 327.395	1199.63	ug/L	0.858506	0.1	82749.2
Fe 273.955	173409	ug/L	68.6336	0.0	2645719
K 404.721	31043.5	ug/L	81.8725	0.3	604.445
Li 610.365	4846.96	ug/L	39.5213	0.8	384565
Mg 279.078	46436.6	ug/L	165.236	0.4	239588
Mn 257.610	3763.03	ug/L	8.01796	0.2	1242828
Mo 202.032	926.877	ug/L	2.22382	0.2	9276.58
Na 330.237	19924.0	ug/L	13.9129	0.1	3373.95
Ni 216.555	988.282	ug/L	2.89416	0.3	9924.74
Pb 220.353	1210.46	ug/L	5.38668	0.4	7163.69
Sb 217.582	895.507	ug/L	0.968474	0.1	1909.85
Se 196.026	878.126	ug/L	2.61894	0.3	604.400
Si 251.611	4388.34	ug/L	131.156	3.0	26701.5
Si 288.158	4393.06	ug/L	107.242	2.4	55415.3
Sn 189.925	896.685	ug/L	3.60036	0.4	1685.05
Sr 421.552	1082.57	ug/L	2.30293	0.2	3179426
Ti 336.122	6142.62	ug/L	50.4401	0.8	1770815
Tl 190.794	833.941	ug/L	4.91475	0.6	959.183
V 292.401	1128.24	ug/L	2.49749	0.2	51398.4
Zn 202.548	1515.85	ug/L	13.7554	0.9	48714.4
Zr 339.198	933.726	ug/L	7.36666	0.8	58734.8

360-31465-D-1-A (Samp) **12/13/2010, 4:08:30 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	513.633	ug/L	1.29091	0.3	5206.44
Al 237.312	105186	ug/L	202.674	0.2	421992
As 188.980	63.3643	ug/L	0.410549	0.6	89.8125
B 249.678	13.7752	ug/L	2.45657	17.8	1185.10
Ba 493.408	111.286	ug/L	0.134913	0.1	283302
Be 313.042	12.7453	ug/L	0.023946	0.2	49779.9
Ca 373.690	13576.2	ug/L	31.8557	0.2	90565.8
Cd 214.439	12.6424	ug/L	0.164572	1.3	653.539
Co 228.615	214.508	ug/L	0.987302	0.5	2352.22
Cr 267.716	25321.9	ug/L	122.651	0.5	1320704
Cu 327.395	211.407	ug/L	1.01301	0.5	14651.6
Fe 273.955	47376.2	ug/L	167.095	0.4	756085
K 404.721	17169.2	ug/L	200.329	1.2	312.644
Li 610.365	23.1027	ug/L	0.193143	0.8	1819.12
Mg 279.078	4924.59	ug/L	13.5220	0.3	26020.8
Mn 257.610	678.005	ug/L	2.86654	0.4	223920
Mo 202.032	16.8072	ug/L	0.806672	4.8	178.312
Na 330.237	966.759	ug/L	23.4428	2.4	130.005
Ni 216.555	240.779	ug/L	0.968334	0.4	2419.39
Pb 220.353	116.446	ug/L	0.013563	0.0	697.155
Sb 217.582	-0.773296uv	ug/L	0.424593	54.9	4.04678
Se 196.026	7.27344	ug/L	0.790797	10.9	7.69032
Si 251.611	12869.4	ug/L	324.392	2.5	76947.4
Si 288.158	12783.1	ug/L	299.782	2.3	157983
Sn 189.925	19.1466	ug/L	0.423616	2.2	38.3041
Sr 421.552	68.0703	ug/L	0.034165	0.1	200566
Ti 336.122	979.222	ug/L	6.02577	0.6	282340
Tl 190.794	1.15267	ug/L	0.567909	49.3	9.52806
V 292.401	95.7651	ug/L	0.232726	0.2	4431.04
Zn 202.548	460.543	ug/L	2.60213	0.6	14785.1
Zr 339.198	46.1839	ug/L	8.26165	17.9	3017.34

360-31465-D-2-A (Samp) **12/13/2010, 4:11:24 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.94408	ug/L	1.12316	57.8	25.9354
Al 237.312	83439.5	ug/L	216.806	0.3	335951
As 188.980	56.4043	ug/L	3.19702	5.7	72.3083
B 249.678	18.3830	ug/L	0.975865	5.3	762.783
Ba 493.408	336.747	ug/L	0.377463	0.1	857024
Be 313.042	2.34516	ug/L	0.001971	0.1	10658.6
Ca 373.690	15662.8	ug/L	83.4938	0.5	105371
Cd 214.439	7.21087	ug/L	0.113429	1.6	425.900
Co 228.615	20.1090	ug/L	0.199887	1.0	310.331
Cr 267.716	227.797	ug/L	0.988327	0.4	11901.2
Cu 327.395	231.823	ug/L	0.767992	0.3	16054.9
Fe 273.955	79551.7	ug/L	250.205	0.3	1238296
K 404.721	6525.06	ug/L	113.531	1.7	125.337
Li 610.365	61.8719	ug/L	0.070631	0.1	4895.02
Mg 279.078	16801.7	ug/L	74.9450	0.4	88127.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	714.603	ug/L	2.19585	0.3	236096
Mo 202.032	8.33736	ug/L	0.013527	0.2	93.6362
Na 330.237	2064.44	ug/L	3.79172	0.2	266.465
Ni 216.555	88.8547	ug/L	0.750562	0.8	950.267
Pb 220.353	2501.96	ug/L	9.43477	0.4	14800.1
Sb 217.582	2.54485	ug/L	3.45035	135.6	11.1023
Se 196.026	-0.182698uv	ug/L	0.106745	58.4	2.40514
Si 251.611	4704.44	ug/L	49.3435	1.0	28315.2
Si 288.158	4726.56	ug/L	64.2552	1.4	59072.0
Sn 189.925	33.2049	ug/L	0.955920	2.9	65.1772
Sr 421.552	96.6065	ug/L	0.254850	0.3	284446
Ti 336.122	2776.74	ug/L	9.01371	0.3	800517
Tl 190.794	1.03206	ug/L	1.09526	106.1	3.15276
V 292.401	213.255	ug/L	0.527255	0.2	9828.39
Zn 202.548	1016.56	ug/L	0.141128	0.0	32510.6
Zr 339.198	13.7326	ug/L	0.214474	1.6	911.864

360-31465-D-3-A (Samp) **12/13/2010, 4:14:18 PM** **Rack 2, Tube 9**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.23729	ug/L	0.245913	11.0	27.0928
Al 237.312	37738.3	ug/L	58.1816	0.2	155199
As 188.980	53.9294	ug/L	1.81841	3.4	69.1897
B 249.678	24.5033	ug/L	1.17764	4.8	933.553
Ba 493.408	92.7204	ug/L	0.044059	0.0	236058
Be 313.042	1.10144	ug/L	0.001207	0.1	5789.70
Ca 373.690	9813.31	ug/L	20.9308	0.2	65600.4
Cd 214.439	1.49138	ug/L	0.038793	2.6	108.347
Co 228.615	6.43606	ug/L	0.400051	6.2	111.451
Cr 267.716	197.265	ug/L	0.418280	0.2	10308.8
Cu 327.395	48.2349	ug/L	0.072506	0.2	3406.04
Fe 273.955	30428.9	ug/L	94.3905	0.3	501697
K 404.721	2343.86	ug/L	39.2976	1.7	52.3428
Li 610.365	8.91592	ug/L	0.010568	0.1	693.065
Mg 279.078	3292.76	ug/L	5.78944	0.2	17417.1
Mn 257.610	941.564	ug/L	1.03753	0.1	310928
Mo 202.032	8.88518	ug/L	0.575665	6.5	99.1129
Na 330.237	444.835	ug/L	4.47060	1.0	63.2605
Ni 216.555	17.9648	ug/L	0.056106	0.3	209.077
Pb 220.353	188.631	ug/L	0.649879	0.3	1124.11
Sb 217.582	-0.621734uv	ug/L	0.183546	29.5	4.36899
Se 196.026	0.887165uv	ug/L	3.48281	392.6	3.56097
Si 251.611	4168.33	ug/L	60.9096	1.5	25021.2
Si 288.158	4194.53	ug/L	98.5292	2.3	52328.5
Sn 189.925	15.2711	ug/L	0.695729	4.6	30.9681
Sr 421.552	69.8267	ug/L	0.063723	0.1	205472
Ti 336.122	1011.12	ug/L	0.089381	0.0	291535
Tl 190.794	0.063039	ug/L	0.327170	519.0	1.67623
V 292.401	53.9702	ug/L	0.210753	0.4	2523.44
Zn 202.548	220.023	ug/L	0.996138	0.5	7073.97
Zr 339.198	8.77435	ug/L	1.70297	19.4	595.603

360-31465-D-4-A (Samp) **12/13/2010, 4:17:12 PM** **Rack 2, Tube 10**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	12.0857	ug/L	1.54717	12.8	133.368
Al 237.312	90986.7	ug/L	20.6387	0.0	365807
As 188.980	254.417	ug/L	1.38114	0.5	320.914
B 249.678	71.4775	ug/L	0.953784	1.3	2377.89
Ba 493.408	694.061	ug/L	0.830410	0.1	1766271
Be 313.042	2.17162	ug/L	0.000254	0.0	15309.7
Ca 373.690	34786.0	ug/L	45.2714	0.1	229494
Cd 214.439	7.56061	ug/L	0.079570	1.1	540.871
Co 228.615	53.0497	ug/L	0.469552	0.9	742.933
Cr 267.716	965.806	ug/L	0.278889	0.0	50392.8
Cu 327.395	449.618	ug/L	1.55482	0.3	31060.9
Fe 273.955	184360	ug/L	518.177	0.3	2809907
K 404.721	14200.0	ug/L	136.396	1.0	268.167
Li 610.365	80.3545	ug/L	0.266940	0.3	6364.00
Mg 279.078	27168.7	ug/L	66.5039	0.2	141727
Mn 257.610	2776.52	ug/L	3.58698	0.1	916969
Mo 202.032	25.0764	ug/L	0.514171	2.1	260.982
Na 330.237	944.087	ug/L	10.0102	1.1	39.5820
Ni 216.555	138.630	ug/L	0.368842	0.3	1539.05
Pb 220.353	859.165	ug/L	0.850134	0.1	5086.60
Sb 217.582	1.78382	ug/L	0.525977	29.5	9.48407
Se 196.026	3.22697	ug/L	0.055879	1.7	5.13556
Si 251.611	3386.61	ug/L	31.9051	0.9	20566.1
Si 288.158	3396.75	ug/L	21.4946	0.6	42952.8
Sn 189.925	50.0289	ug/L	0.997204	2.0	97.1669
Sr 421.552	206.683	ug/L	0.060044	0.0	608582
Ti 336.122	4894.19	ug/L	2.38579	0.0	1410924
Tl 190.794	0.226491uv	ug/L	1.82339	805.1	2.61461
V 292.401	214.196	ug/L	0.009376	0.0	10062.5
Zn 202.548	1417.14	ug/L	0.623811	0.0	45371.0
Zr 339.198	29.2870	ug/L	0.044506	0.2	1879.15

360-31465-D-5-A (Samp) **12/13/2010, 4:20:05 PM** **Rack 2, Tube 11**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	385.844	ug/L	1.84862	0.5	3920.17
Al 237.312	87107.5	ug/L	258.558	0.3	350462
As 188.980	55.1947	ug/L	1.62008	2.9	77.6876
B 249.678	8.23224	ug/L	0.356699	4.3	796.254
Ba 493.408	127.903	ug/L	0.350673	0.3	325587
Be 313.042	10.9410	ug/L	0.029322	0.3	42800.1
Ca 373.690	9024.57	ug/L	29.4989	0.3	61324.1
Cd 214.439	3.46091	ug/L	0.011857	0.3	218.455
Co 228.615	51.3203	ug/L	0.135976	0.3	602.047
Cr 267.716	19766.9	ug/L	71.7506	0.4	1030980
Cu 327.395	189.312	ug/L	1.58675	0.8	13126.6
Fe 273.955	48037.6	ug/L	185.693	0.4	765947
K 404.721	15080.2	ug/L	77.2045	0.5	273.985
Li 610.365	27.1636	ug/L	0.092306	0.3	2140.88
Mg 279.078	5181.18	ug/L	18.5446	0.4	27371.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	415.066	ug/L	1.26527	0.3	137107
Mo 202.032	11.1492	ug/L	0.130069	1.2	121.747
Na 330.237	1742.38	ug/L	20.8281	1.2	270.420
Ni 216.555	120.214	ug/L	0.625473	0.5	1232.14
Pb 220.353	103.096	ug/L	0.585902	0.6	618.209
Sb 217.582	-1.73030uv	ug/L	0.196414	11.4	2.01181
Se 196.026	0.902796	ug/L	0.973415	107.8	3.19144
Si 251.611	8345.04	ug/L	119.157	1.4	49953.1
Si 288.158	8286.72	ug/L	141.256	1.7	102683
Sn 189.925	16.4168	ug/L	0.394008	2.4	33.1999
Sr 421.552	36.1442	ug/L	0.005025	0.0	106668
Ti 336.122	1106.42	ug/L	0.379017	0.0	319007
Tl 190.794	-1.81566	ug/L	1.58098	87.1	4.37848
V 292.401	93.0138	ug/L	0.117272	0.1	4308.05
Zn 202.548	366.401	ug/L	0.155521	0.0	11781.6
Zr 339.198	17.8701	ug/L	0.154601	0.9	1201.43

CCV (CCV) **12/13/2010, 4:54:42 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	999.296	ug/L	1.45677	0.1	9665.70	99.92961
Al 237.312	4902.42	ug/L	4.90935	0.1	21680.6	98.04839
As 188.980	1016.61	ug/L	8.69438	0.9	1276.79	101.66068
B 249.678	1026.31	ug/L	1.76095	0.2	31973.6	102.63060
Ba 493.408	951.121	ug/L	3.63618	0.4	2420402	95.11211
Be 313.042	1020.15	ug/L	2.45511	0.2	3844741	102.01472
Ca 373.690	20172.5	ug/L	95.6445	0.5	130536	100.86230
Cd 214.439	1006.72	ug/L	9.84499	1.0	47818.1	100.67162
Co 228.615	1007.82	ug/L	5.56851	0.6	10859.7	100.78224
Cr 267.716	1014.84	ug/L	6.24778	0.6	52950.2	101.48433
Cu 327.395	1004.17	ug/L	2.66766	0.3	69283.8	100.41701
Fe 273.955	5012.48	ug/L	18.2536	0.4	91573.9	100.24961
K 404.721	20081.4	ug/L	65.2196	0.3	369.973	100.40720
Li 610.365	5066.92	ug/L	24.1670	0.5	402013	101.33842
Mg 279.078	20430.0	ug/L	157.667	0.8	106886	102.15008
Mn 257.610	1001.24	ug/L	3.94196	0.4	330757	100.12357
Mo 202.032	990.289	ug/L	2.41933	0.2	9910.52	99.02887
Na 330.237	19737.4	ug/L	101.674	0.5	3389.02	98.68705
Ni 216.555	1017.41	ug/L	10.8383	1.1	10063.7	101.74104
Pb 220.353	1000.97	ug/L	6.19275	0.6	5927.02	100.09668
Sb 217.582	983.334	ug/L	5.02713	0.5	2096.60	98.33340
Se 196.026	1005.87	ug/L	2.74574	0.3	691.467	100.58746
Si 251.611	1001.13	ug/L	10.1691	1.0	6216.14	100.11259
Si 288.158	1033.85	ug/L	9.35277	0.9	13516.7	103.38456
Sn 189.925	1008.40	ug/L	8.65489	0.9	1893.35	100.84005
Sr 421.552	978.161	ug/L	3.38871	0.3	2870206	97.81610
Ti 336.122	982.594	ug/L	2.43219	0.2	283311	98.25943
Tl 190.794	997.463	ug/L	2.80042	0.3	1144.98	99.74630
V 292.401	1000.00	ug/L	1.87890	0.2	45232.5	100.00006
Zn 202.548	1016.98	ug/L	13.6141	1.3	32701.9	101.69763
Zr 339.198	985.099	ug/L	2.88380	0.3	61935.4	-

CCB (CCB) **12/13/2010, 4:57:38 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	-0.000588uv	ug/L	0.275703	46860.5	2.94104	-0.00059
Al 237.312	-0.539183uv	ug/L	0.486185	90.2	9.70270	-0.53918
As 188.980	0.813893	ug/L	0.459389	56.4	2.50085	0.81389
B 249.678	10.6491	ug/L	1.15485	10.8	362.021	10.64915
Ba 493.408	0.064131	ug/L	0.008517	13.3	279.165	0.06413
Be 313.042	0.046657	ug/L	0.002805	6.0	366.110	0.04666
Ca 373.690	1.72105	ug/L	1.08263	62.9	64.0640	1.72105
Cd 214.439	0.093209	ug/L	0.019967	21.4	10.6706	0.09321
Co 228.615	0.106777	ug/L	0.009105	8.5	11.9150	0.10678
Cr 267.716	0.328041	ug/L	0.050290	15.3	37.2753	0.32804
Cu 327.395	-0.035893uv	ug/L	0.239329	666.8	80.1941	-0.03589
Fe 273.955	0.938065	ug/L	0.181991	19.4	41.0084	0.93807
K 404.721	76.3644uv	ug/L	134.857	176.6	13.9819	76.36443
Li 610.365	-0.018154uv	ug/L	0.149357	822.7	-16.5947	-0.01815
Mg 279.078	1.62670	ug/L	0.056561	3.5	18.6844	1.62670
Mn 257.610	0.092324	ug/L	0.007571	8.2	52.1678	0.09232
Mo 202.032	5.62904	ug/L	1.26656	22.5	66.5602	5.62904
Na 330.237	-13.8582uv	ug/L	16.2674	117.4	5.38062	-13.85817
Ni 216.555	0.266726	ug/L	0.167777	62.9	3.77736	0.26673
Pb 220.353	0.032031uv	ug/L	0.504653	1575.5	9.46533	0.03203
Sb 217.582	0.537259uv	ug/L	1.02093	190.0	6.83339	0.53726
Se 196.026	1.17331	ug/L	0.266374	22.7	3.48518	1.17331
Si 251.611	0.876117	ug/L	0.194931	22.2	95.7453	0.87612
Si 288.158	5.80148	ug/L	0.873539	15.1	684.385	5.80148
Sn 189.925	0.605023	ug/L	0.057757	9.5	3.33076	0.60502
Sr 421.552	0.069272	ug/L	0.015572	22.5	240.429	0.06927
Ti 336.122	0.233271	ug/L	0.010246	4.4	122.038	0.23327
Tl 190.794	1.76745	ug/L	0.183009	10.4	3.41273	1.76745
V 292.401	0.339705	ug/L	0.124609	36.7	26.7207	0.33971
Zn 202.548	0.128935	ug/L	0.006253	4.8	44.1800	0.12894
Zr 339.198	0.442103	ug/L	0.079502	18.0	37.7480	-

360-31465-D-6-A (Samp) **12/13/2010, 5:02:28 PM** **Rack 2, Tube 12**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	28.4679	ug/L	0.252532	0.9	298.827
Al 237.312	108937	ug/L	96.3764	0.1	436802
As 188.980	76.7425	ug/L	0.989648	1.3	98.3742
B 249.678	27.9977	ug/L	0.349863	1.2	1035.36
Ba 493.408	482.082	ug/L	0.739238	0.2	1226853
Be 313.042	4.32637	ug/L	0.002710	0.1	18585.0
Ca 373.690	34032.2	ug/L	2.22628	0.0	223861
Cd 214.439	3.58679	ug/L	0.001271	0.0	330.451
Co 228.615	55.5918	ug/L	0.000863	0.0	763.571
Cr 267.716	1829.78	ug/L	0.118340	0.0	95454.1
Cu 327.395	297.316	ug/L	2.25928	0.8	20567.9
Fe 273.955	164001	ug/L	486.147	0.3	2504634
K 404.721	13146.0	ug/L	21.6545	0.2	246.563
Li 610.365	104.999	ug/L	0.097689	0.1	8317.73
Mg 279.078	28047.2	ug/L	53.9362	0.2	146221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3579.46	ug/L	3.41314	0.1	1182081
Mo 202.032	9.96135	ug/L	0.331191	3.3	109.872
Na 330.237	1176.04	ug/L	48.7240	4.1	129.688
Ni 216.555	133.860	ug/L	0.331230	0.2	1465.63
Pb 220.353	450.313	ug/L	0.042166	0.0	2669.71
Sb 217.582	2.67616uv	ug/L	4.97123	185.8	11.3815
Se 196.026	-2.03310uv	ug/L	0.577086	28.4	2.06830
Si 251.611	3340.27	ug/L	63.5110	1.9	20292.3
Si 288.158	3424.12	ug/L	63.8609	1.9	43297.4
Sn 189.925	28.3781	ug/L	0.387296	1.4	56.5931
Sr 421.552	187.948	ug/L	0.085367	0.0	553535
Ti 336.122	5081.38	ug/L	13.7730	0.3	1464887
Tl 190.794	0.030421	ug/L	1.17535	3863.7	2.59209
V 292.401	222.386	ug/L	0.280648	0.1	10409.5
Zn 202.548	865.832	ug/L	4.57673	0.5	27762.6
Zr 339.198	56.7622	ug/L	8.46072	14.9	3605.10

360-31465-G-7-A (Samp) **12/13/2010, 5:05:24 PM** **Rack 2, Tube 13**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	24.0357	ug/L	0.053194	0.2	252.345
Al 237.312	65907.7	ug/L	279.423	0.4	266620
As 188.980	46.5088	ug/L	0.789979	1.7	60.3418
B 249.678	11.1369	ug/L	0.518803	4.7	499.527
Ba 493.408	204.970	ug/L	0.790165	0.4	521697
Be 313.042	3.16114	ug/L	0.015458	0.5	13340.0
Ca 373.690	13657.7	ug/L	78.8783	0.6	93568.1
Cd 214.439	2.37703	ug/L	0.057034	2.4	216.873
Co 228.615	64.9283	ug/L	0.323089	0.5	809.260
Cr 267.716	1525.44	ug/L	5.44590	0.4	79580.6
Cu 327.395	278.956	ug/L	1.34492	0.5	19303.0
Fe 273.955	102975	ug/L	440.152	0.4	1589547
K 404.721	9951.34	ug/L	26.6788	0.3	184.978
Li 610.365	80.4122	ug/L	0.199791	0.2	6365.89
Mg 279.078	17063.5	ug/L	62.6521	0.4	89500.4
Mn 257.610	1175.01	ug/L	4.03125	0.3	388111
Mo 202.032	6.12232	ug/L	0.222748	3.6	71.4917
Na 330.237	956.738	ug/L	15.3494	1.6	123.451
Ni 216.555	124.401	ug/L	0.868940	0.7	1319.27
Pb 220.353	289.895	ug/L	1.33215	0.5	1721.96
Sb 217.582	-0.991037uv	ug/L	0.303643	30.6	3.58374
Se 196.026	-1.74755uv	ug/L	0.423165	24.2	1.42516
Si 251.611	3066.49	ug/L	37.9592	1.2	18566.2
Si 288.158	3137.25	ug/L	45.0309	1.4	39575.4
Sn 189.925	23.1687	ug/L	0.835204	3.6	46.3634
Sr 421.552	68.1745	ug/L	0.521261	0.8	200972
Ti 336.122	3328.50	ug/L	15.4293	0.5	959575
Tl 190.794	1.13434	ug/L	0.660276	58.2	3.56337
V 292.401	136.010	ug/L	0.732344	0.5	6375.72
Zn 202.548	518.823	ug/L	2.03578	0.4	16682.1
Zr 339.198	17.5509	ug/L	0.664051	3.8	1138.32

360-31465-A-9-A (Samp) **12/13/2010, 5:08:18 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	268.996	ug/L	1.46456	0.5	2737.03
Al 237.312	133877	ug/L	129.412	0.1	535436
As 188.980	144.462	ug/L	0.862013	0.6	187.588
B 249.678	-4.06392	ug/L	0.284000	7.0	637.668
Ba 493.408	95.8398	ug/L	0.052351	0.1	243996
Be 313.042	12.0744	ug/L	0.030196	0.3	49282.8
Ca 373.690	5016.23	ug/L	26.1737	0.5	37102.0
Cd 214.439	3.46906	ug/L	0.133050	3.8	254.829
Co 228.615	46.2240	ug/L	0.364618	0.8	568.788
Cr 267.716	14369.9	ug/L	46.0510	0.3	749492
Cu 327.395	173.384	ug/L	0.577178	0.3	12029.1
Fe 273.955	88187.4	ug/L	257.321	0.3	1367933
K 404.721	19616.9	ug/L	126.608	0.6	361.194
Li 610.365	47.8688	ug/L	0.269451	0.6	3783.68
Mg 279.078	8792.32	ug/L	40.2015	0.5	46352.2
Mn 257.610	425.521	ug/L	0.394791	0.1	140585
Mo 202.032	12.3213	ug/L	0.008081	0.1	133.465
Na 330.237	781.414	ug/L	39.8022	5.1	118.658
Ni 216.555	130.791	ug/L	0.994380	0.8	1372.77
Pb 220.353	84.4438	ug/L	0.827724	1.0	507.481
Sb 217.582	-2.26126uv	ug/L	0.214783	9.5	0.882813
Se 196.026	1.54298uv	ug/L	2.43414	157.8	3.38991
Si 251.611	17227.8	ug/L	39.3107	0.2	102987
Si 288.158	17769.5	ug/L	223.498	1.3	219387
Sn 189.925	19.6794	ug/L	0.780240	4.0	39.4668
Sr 421.552	27.1840	ug/L	0.009425	0.0	80224.3
Ti 336.122	1542.48	ug/L	5.96457	0.4	444712
Tl 190.794	-0.322799	ug/L	0.385576	119.4	4.69063
V 292.401	96.6224	ug/L	0.387400	0.4	4520.44
Zn 202.548	239.346	ug/L	3.26396	1.4	7747.10
Zr 339.198	25.1034	ug/L	0.237727	0.9	1727.40

360-31465-A-10-A (Samp) **12/13/2010, 5:11:12 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	26.5625	ug/L	0.053319	0.2	277.730
Al 237.312	171358	ug/L	853.854	0.5	683670
As 188.980	67.0378	ug/L	0.915734	1.4	86.1763
B 249.678	7.67241	ug/L	0.446639	5.8	852.448
Ba 493.408	112.018	ug/L	0.525205	0.5	285163
Be 313.042	9.84465	ug/L	0.040131	0.4	38869.9
Ca 373.690	6124.58	ug/L	45.0138	0.7	42347.5
Cd 214.439	0.713316	ug/L	0.018001	2.5	84.4691
Co 228.615	22.7561	ug/L	0.204538	0.9	301.481
Cr 267.716	1798.26	ug/L	11.0705	0.6	93810.1
Cu 327.395	134.776	ug/L	0.002633	0.0	9368.69
Fe 273.955	45070.8	ug/L	158.820	0.4	721269
K 404.721	8881.40	ug/L	224.452	2.5	162.907
Li 610.365	35.1179	ug/L	0.305540	0.9	2771.76
Mg 279.078	8021.72	ug/L	35.0750	0.4	42286.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	394.535	ug/L	2.18694	0.6	130349
Mo 202.032	7.10685	ug/L	0.083435	1.2	81.3344
Na 330.237	632.387	ug/L	10.2884	1.6	99.5452
Ni 216.555	71.4444	ug/L	0.592980	0.8	748.528
Pb 220.353	103.093	ug/L	1.83056	1.8	618.227
Sb 217.582	-0.348612uv	ug/L	2.13510	612.5	4.94974
Se 196.026	-0.637963uv	ug/L	0.644697	101.1	2.14786
Si 251.611	16997.3	ug/L	119.616	0.7	101610
Si 288.158	17507.5	ug/L	49.7530	0.3	216163
Sn 189.925	19.6981	ug/L	0.093315	0.5	39.4691
Sr 421.552	30.0944	ug/L	0.122430	0.4	88752.4
Ti 336.122	1530.45	ug/L	2.07195	0.1	441245
Tl 190.794	-0.603183uv	ug/L	0.072215	12.0	1.41466
V 292.401	105.427	ug/L	0.308005	0.3	4874.25
Zn 202.548	170.661	ug/L	0.341091	0.2	5531.50
Zr 339.198	19.4813	ug/L	0.269494	1.4	1372.30

360-31465-A-11-A (Samp) **12/13/2010, 5:14:07 PM** **Rack 2, Tube 16**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	206.188	ug/L	0.301807	0.1	2109.53
Al 237.312	72269.8	ug/L	124.291	0.2	291783
As 188.980	33.9733	ug/L	0.404950	1.2	48.2767
B 249.678	8.63704	ug/L	0.707700	8.2	647.509
Ba 493.408	51.1975	ug/L	0.129702	0.3	130397
Be 313.042	5.80795	ug/L	0.007464	0.1	22920.2
Ca 373.690	10149.9	ug/L	57.4303	0.6	69455.5
Cd 214.439	3.13169	ug/L	0.013628	0.4	220.352
Co 228.615	74.9007	ug/L	0.383953	0.5	855.949
Cr 267.716	12145.3	ug/L	20.7588	0.2	633469
Cu 327.395	197.733	ug/L	1.30476	0.7	13707.1
Fe 273.955	67922.4	ug/L	286.588	0.4	1064037
K 404.721	7301.72	ug/L	149.359	2.0	136.559
Li 610.365	14.8950	ug/L	0.169275	1.1	1167.24
Mg 279.078	5061.59	ug/L	22.4848	0.4	26754.0
Mn 257.610	810.402	ug/L	2.74543	0.3	267635
Mo 202.032	8.99837	ug/L	0.013884	0.2	100.244
Na 330.237	1835.38	ug/L	6.70992	0.4	273.303
Ni 216.555	77.9844	ug/L	0.769093	1.0	831.619
Pb 220.353	69.1471	ug/L	0.556991	0.8	417.285
Sb 217.582	-0.830522uv	ug/L	1.07984	130.0	3.92505
Se 196.026	-0.918743uv	ug/L	0.628551	68.4	2.02460
Si 251.611	6279.97	ug/L	246.554	3.9	37612.7
Si 288.158	6390.52	ug/L	220.887	3.5	79321.5
Sn 189.925	25.8297	ug/L	0.424061	1.6	50.8353
Sr 421.552	41.8487	ug/L	0.094646	0.2	123502
Ti 336.122	824.746	ug/L	7.97856	1.0	237809
Tl 190.794	-0.569201	ug/L	0.518502	91.1	3.93455
V 292.401	57.9375	ug/L	0.009489	0.0	2735.48
Zn 202.548	513.723	ug/L	4.49658	0.9	16483.0
Zr 339.198	14.6833	ug/L	0.049349	0.3	983.828

360-31465-A-12-A (Samp) **12/13/2010, 5:17:01 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	56.4204	ug/L	2.41384	4.3	581.577
Al 237.312	104361	ug/L	203.216	0.2	418702
As 188.980	160.924	ug/L	1.49334	0.9	204.438
B 249.678	24.6666	ug/L	0.016729	0.1	973.474
Ba 493.408	925.880	ug/L	3.67066	0.4	2356173
Be 313.042	3.36910	ug/L	0.008299	0.2	17182.5
Ca 373.690	51904.3	ug/L	159.687	0.3	331143
Cd 214.439	3.05138	ug/L	0.198388	6.5	301.453
Co 228.615	57.2255	ug/L	0.214761	0.4	769.047
Cr 267.716	3206.36	ug/L	17.4636	0.5	167251
Cu 327.395	253.068	ug/L	1.38161	0.5	17519.4
Fe 273.955	159452	ug/L	135.389	0.1	2436440
K 404.721	9107.60	ug/L	260.068	2.9	176.654
Li 610.365	85.5059	ug/L	0.250923	0.3	6771.62
Mg 279.078	21484.6	ug/L	62.1536	0.3	112434
Mn 257.610	2791.43	ug/L	5.62285	0.2	921845
Mo 202.032	17.1656	ug/L	0.166100	1.0	181.895
Na 330.237	1233.22	ug/L	44.1256	3.6	162.365
Ni 216.555	115.958	ug/L	0.704755	0.6	1288.78
Pb 220.353	322.387	ug/L	0.873051	0.3	1913.48
Sb 217.582	-1.65796uv	ug/L	1.27498	76.9	2.16565
Se 196.026	-1.01663uv	ug/L	1.51912	149.4	2.39500
Si 251.611	4126.21	ug/L	86.5446	2.1	24954.3
Si 288.158	4200.99	ug/L	92.9790	2.2	52794.0
Sn 189.925	26.1798	ug/L	0.504699	1.9	52.2005
Sr 421.552	169.177	ug/L	0.537559	0.3	499420
Ti 336.122	4503.38	ug/L	6.82455	0.2	1298264
Tl 190.794	0.392828	ug/L	0.922595	234.9	3.30772
V 292.401	175.480	ug/L	0.523932	0.3	8284.44
Zn 202.548	606.808	ug/L	1.79763	0.3	19500.5
Zr 339.198	17.2585	ug/L	0.494874	2.9	1128.79

360-31463-B-2-A (Samp) **12/13/2010, 5:19:56 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.070106	ug/L	0.213670	304.8	5.77393
Al 237.312	30709.0	ug/L	172.812	0.6	127400
As 188.980	79.0367	ug/L	0.433596	0.5	100.630
B 249.678	6.88227	ug/L	0.389657	5.7	326.998
Ba 493.408	312.293	ug/L	0.677932	0.2	794799
Be 313.042	1.09278	ug/L	0.006106	0.6	6393.89
Ca 373.690	11259.6	ug/L	68.9381	0.6	76554.6
Cd 214.439	3.27352	ug/L	0.094094	2.9	226.190
Co 228.615	16.3406	ug/L	0.115194	0.7	252.069
Cr 267.716	58.8296	ug/L	0.208371	0.4	3088.54
Cu 327.395	343.657	ug/L	3.31299	1.0	23759.8
Fe 273.955	66654.8	ug/L	148.183	0.2	1044904
K 404.721	12965.1	ug/L	140.221	1.1	237.328
Li 610.365	72.8148	ug/L	0.450460	0.6	5762.15
Mg 279.078	9614.85	ug/L	27.5682	0.3	50646.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	584.911	ug/L	3.56359	0.6	193219
Mo 202.032	2.51752	ug/L	0.228544	9.1	35.4534
Na 330.237	304.089uv	ug/L	14.9509	4.9	3.59094
Ni 216.555	46.4912	ug/L	0.196473	0.4	521.850
Pb 220.353	257.652	ug/L	1.46751	0.6	1531.75
Sb 217.582	-1.18802uv	ug/L	1.23331	103.8	3.16489
Se 196.026	-0.224937uv	ug/L	0.626107	278.3	2.39254
Si 251.611	2412.33	ug/L	10.4316	0.4	14600.1
Si 288.158	2453.82	ug/L	0.826569	0.0	31037.9
Sn 189.925	41.6528	ug/L	2.50835	6.0	80.6948
Sr 421.552	33.3865	ug/L	0.149662	0.4	98736.7
Ti 336.122	2143.20	ug/L	26.2260	1.2	617885
Tl 190.794	0.166359uv	ug/L	0.780688	469.3	1.82728
V 292.401	63.6237	ug/L	0.324950	0.5	3031.68
Zn 202.548	619.981	ug/L	5.13179	0.8	19906.2
Zr 339.198	13.7869	ug/L	0.211152	1.5	896.286

360-31469-A-1-A (Samp) **12/13/2010, 5:22:52 PM** **Rack 2, Tube 19**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.442934	ug/L	0.450207	101.6	7.54785
Al 237.312	110.968	ug/L	0.806954	0.7	503.620
As 188.980	1.16660	ug/L	0.757545	64.9	2.94555
B 249.678	183.187	ug/L	2.20194	1.2	5743.21
Ba 493.408	3.16334	ug/L	0.023965	0.8	8165.62
Be 313.042	-0.004629	ug/L	0.000736	15.9	189.906
Ca 373.690	385.328	ug/L	1.40247	0.4	2671.81
Cd 214.439	0.137685	ug/L	0.016727	12.1	14.4166
Co 228.615	0.614923	ug/L	0.009505	1.5	18.1510
Cr 267.716	6.44320	ug/L	0.026880	0.4	356.219
Cu 327.395	16.9501	ug/L	0.156326	0.9	1250.48
Fe 273.955	1431.26	ug/L	3.84567	0.3	26533.5
K 404.721	-215.860uv	ug/L	82.3911	38.2	9.45337
Li 610.365	0.050103uv	ug/L	0.120527	240.6	-11.6592
Mg 279.078	83.1187	ug/L	0.059014	0.1	450.817
Mn 257.610	11.9932	ug/L	0.044223	0.4	3982.17
Mo 202.032	-0.135470uv	ug/L	0.076484	56.5	8.93057
Na 330.237	540.211	ug/L	5.80178	1.1	97.4473
Ni 216.555	17.8445	ug/L	0.003180	0.0	178.500
Pb 220.353	4.99354	ug/L	0.018681	0.4	38.7785
Sb 217.582	-1.03205uv	ug/L	0.486936	47.2	3.49651
Se 196.026	-0.321970uv	ug/L	1.37558	427.2	2.45703
Si 251.611	778.779	ug/L	5.07288	0.7	4737.98
Si 288.158	790.163	ug/L	5.19545	0.7	10334.0
Sn 189.925	21.6670	ug/L	0.751053	3.5	42.8156
Sr 421.552	2.14394	ug/L	0.005223	0.2	6350.74
Ti 336.122	6.02184	ug/L	0.015605	0.3	1790.76
Tl 190.794	0.714871	ug/L	0.141098	19.7	2.21791
V 292.401	1.33093	ug/L	0.075372	5.7	73.8366
Zn 202.548	20.4269	ug/L	0.297149	1.5	695.946
Zr 339.198	2.25913	ug/L	0.191443	8.5	158.214

CCV (CCV) **12/13/2010, 5:31:35 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	1006.02	ug/L	2.81854	0.3	9730.58	100.60199
Al 237.312	5023.29	ug/L	17.7440	0.4	22204.3	100.46583
As 188.980	1002.82	ug/L	0.863383	0.1	1259.50	100.28213
B 249.678	1012.57	ug/L	10.1665	1.0	31548.1	101.25712
Ba 493.408	1000.07	ug/L	3.90890	0.4	2544957	100.00687
Be 313.042	1005.23	ug/L	1.36130	0.1	3788973	100.52277
Ca 373.690	19987.8	ug/L	55.8725	0.3	129371	99.93875
Cd 214.439	998.490	ug/L	1.86082	0.2	47427.5	99.84897
Co 228.615	1001.75	ug/L	2.70840	0.3	10795.1	100.17548
Cr 267.716	1004.74	ug/L	2.76960	0.3	52423.4	100.47417
Cu 327.395	1001.81	ug/L	6.88941	0.7	69121.2	100.18110
Fe 273.955	5011.24	ug/L	15.3295	0.3	91551.8	100.22485
K 404.721	20141.5	ug/L	366.763	1.8	371.435	100.70744
Li 610.365	4992.09	ug/L	12.8909	0.3	396081	99.84186
Mg 279.078	20025.2	ug/L	51.8025	0.3	104792	100.12587
Mn 257.610	1001.63	ug/L	1.63799	0.2	330887	100.16317
Mo 202.032	1004.68	ug/L	11.5453	1.1	10054.4	100.46818
Na 330.237	20014.8	ug/L	22.8097	0.1	3441.07	100.07423
Ni 216.555	1002.85	ug/L	10.5242	1.0	9920.35	100.28522
Pb 220.353	998.818	ug/L	2.59908	0.3	5914.31	99.88179
Sb 217.582	1000.59	ug/L	3.34059	0.3	2133.29	100.05870
Se 196.026	1000.77	ug/L	5.62228	0.6	687.979	100.07706
Si 251.611	1022.39	ug/L	15.6094	1.5	6348.24	102.23946
Si 288.158	1026.11	ug/L	16.4067	1.6	13427.4	102.61107
Sn 189.925	1004.04	ug/L	2.65860	0.3	1885.17	100.40392
Sr 421.552	1004.45	ug/L	2.29171	0.2	2947324	100.44547
Ti 336.122	997.427	ug/L	3.33994	0.3	287587	99.74271
Tl 190.794	1000.24	ug/L	3.53402	0.4	1148.16	100.02399
V 292.401	1001.64	ug/L	3.35431	0.3	45307.5	100.16430
Zn 202.548	997.547	ug/L	0.798905	0.1	32083.6	99.75465
Zr 339.198	994.449	ug/L	8.60013	0.9	62523.5	-

CCB (CCB) **12/13/2010, 5:34:29 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	0.231365	ug/L	0.145590	62.9	5.17639	0.23136
Al 237.312	0.407505	ug/L	0.017909	4.4	13.8890	0.40751
As 188.980	1.05887	ug/L	0.532509	50.3	2.80800	1.05887
B 249.678	19.8444	ug/L	1.98062	10.0	647.489	19.84437
Ba 493.408	0.083095	ug/L	0.007905	9.5	327.423	0.08310
Be 313.042	0.038543	ug/L	0.008229	21.4	360.735	0.03854
Ca 373.690	2.49708	ug/L	0.416077	16.7	69.1917	2.49708
Cd 214.439	0.119257	ug/L	0.045629	38.3	11.9078	0.11926
Co 228.615	0.065757uv	ug/L	0.274969	418.2	11.4765	0.06576
Cr 267.716	0.092502	ug/L	0.118904	128.5	24.9906	0.09250
Cu 327.395	-0.071950uv	ug/L	0.149174	207.3	77.7092	-0.07195
Fe 273.955	1.26450	ug/L	0.130130	10.3	47.0854	1.26450
K 404.721	200.545uv	ug/L	298.217	148.7	15.9524	200.54471
Li 610.365	0.062410	ug/L	0.056268	90.2	-10.0938	0.06241
Mg 279.078	1.07800	ug/L	0.498734	46.3	15.7823	1.07800

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.108579	ug/L	0.026453	24.4	57.5334	0.10858
Mo 202.032	6.88987	ug/L	0.633455	9.2	79.1651	6.88987
Na 330.237	-9.85257uv	ug/L	20.9573	212.7	6.05994	-9.85257
Ni 216.555	0.104057uv	ug/L	0.256346	246.4	2.20740	0.10406
Pb 220.353	-0.247269uv	ug/L	0.190794	77.2	7.81409	-0.24727
Sb 217.582	-0.303383uv	ug/L	0.819878	270.2	5.04590	-0.30338
Se 196.026	1.01531	ug/L	0.629544	62.0	3.37707	1.01531
Si 251.611	2.43524	ug/L	2.67516	109.9	105.170	2.43524
Si 288.158	3.87200	ug/L	3.10892	80.3	660.721	3.87200
Sn 189.925	1.37506	ug/L	0.494031	35.9	4.77420	1.37506
Sr 421.552	0.070179	ug/L	0.009659	13.8	243.115	0.07018
Ti 336.122	0.342601	ug/L	0.050686	14.8	153.555	0.34260
Tl 190.794	1.88328	ug/L	1.48059	78.6	3.54428	1.88328
V 292.401	0.055396	ug/L	0.010402	18.8	13.8830	0.05540
Zn 202.548	0.113306	ug/L	0.044227	39.0	43.6744	0.11331
Zr 339.198	0.416463	ug/L	0.099588	23.9	36.1628	-

CCV (CCV) **12/13/2010, 6:20:56 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.734	ug/L	2.60219	0.3	9650.46	99.77341
Al 237.312	4959.70	ug/L	4.17773	0.1	21926.9	99.19392
As 188.980	995.206	ug/L	1.97462	0.2	1249.95	99.52061
B 249.678	1063.63	ug/L	4.65860	0.4	33131.4	106.36269
Ba 493.408	989.786	ug/L	0.839301	0.1	2518792	98.97862
Be 313.042	994.456	ug/L	2.78924	0.3	3748305	99.44565
Ca 373.690	19832.2	ug/L	3.51758	0.0	128383	99.16090
Cd 214.439	989.895	ug/L	0.456788	0.0	47019.3	98.98954
Co 228.615	993.315	ug/L	1.25375	0.1	10704.1	99.33151
Cr 267.716	996.711	ug/L	0.632745	0.1	52004.6	99.67114
Cu 327.395	988.125	ug/L	2.85562	0.3	68178.1	98.81251
Fe 273.955	4967.22	ug/L	2.06262	0.0	90763.6	99.34434
K 404.721	20348.6	ug/L	175.168	0.9	375.353	101.74300
Li 610.365	4946.55	ug/L	10.2972	0.2	392466	98.93100
Mg 279.078	19827.7	ug/L	10.5224	0.1	103769	99.13834
Mn 257.610	992.680	ug/L	0.750826	0.1	327929	99.26797
Mo 202.032	990.751	ug/L	11.2582	1.1	9915.15	99.07515
Na 330.237	19901.8	ug/L	44.8447	0.2	3421.54	99.50919
Ni 216.555	1002.83	ug/L	1.38707	0.1	9919.56	100.28258
Pb 220.353	988.679	ug/L	0.811507	0.1	5854.37	98.86786
Sb 217.582	991.749	ug/L	1.99405	0.2	2114.49	99.17487
Se 196.026	987.145	ug/L	6.80297	0.7	678.649	98.71445
Si 251.611	1003.27	ug/L	10.3813	1.0	6230.91	100.32731
Si 288.158	1003.27	ug/L	12.4034	1.2	13143.1	100.32748
Sn 189.925	994.909	ug/L	0.437928	0.0	1868.04	99.49086
Sr 421.552	991.039	ug/L	0.902959	0.1	2907962	99.10394
Ti 336.122	987.465	ug/L	6.30181	0.6	284715	98.74648
Tl 190.794	981.048	ug/L	0.472584	0.0	1126.20	98.10478
V 292.401	991.709	ug/L	0.569647	0.1	44858.1	99.17094
Zn 202.548	989.109	ug/L	0.364386	0.0	31810.8	98.91093
Zr 339.198	945.134	ug/L	25.1495	2.7	59423.9	-

CCB (CCB) **12/13/2010, 6:23:50 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	0.729608	ug/L	0.320416	43.9	9.98804	0.72961
Al 237.312	0.746995	ug/L	0.960895	128.6	15.3958	0.74699
As 188.980	1.88179	ug/L	0.549715	29.2	3.84004	1.88179
B 249.678	62.4176	ug/L	5.05424	8.1	1968.71	62.41761Z
Ba 493.408	0.107777	ug/L	0.002259	2.1	390.229	0.10778
Be 313.042	0.060810	ug/L	0.003767	6.2	460.970	0.06081
Ca 373.690	2.41715	ug/L	0.675673	28.0	68.6882	2.41715
Cd 214.439	0.117108	ug/L	0.004766	4.1	11.8062	0.11711
Co 228.615	0.078628	ug/L	0.060194	76.6	11.6150	0.07863
Cr 267.716	0.111323	ug/L	0.077150	69.3	25.9722	0.11132
Cu 327.395	0.005087uv	ug/L	0.249788	4910.5	83.0171	0.00509
Fe 273.955	1.55653	ug/L	0.444569	28.6	52.5250	1.55653
K 404.721	-48.3392uv	ug/L	144.212	298.3	12.0083	-48.33921
Li 610.365	-0.119114uv	ug/L	0.080311	67.4	-24.5420	-0.11911
Mg 279.078	2.08858	ug/L	0.135087	6.5	21.1281	2.08858
Mn 257.610	0.149545	ug/L	0.002557	1.7	71.0651	0.14955
Mo 202.032	6.46176	ug/L	0.446940	6.9	74.8853	6.46176
Na 330.237	19.9271	ug/L	11.5988	58.2	11.0958	19.92706
Ni 216.555	0.477945	ug/L	0.179158	37.5	5.91304	0.47794
Pb 220.353	-0.212828uv	ug/L	0.442880	208.1	8.01770	-0.21283
Sb 217.582	0.203772uv	ug/L	0.348753	171.1	6.12428	0.20377
Se 196.026	2.15076	ug/L	0.489467	22.8	4.15408	2.15076
Si 251.611	-3.36595uv	ug/L	0.638979	19.0	70.4952	-3.36595
Si 288.158	-2.54823uv	ug/L	0.694720	27.3	581.705	-2.54823
Sn 189.925	0.573419	ug/L	0.069692	12.2	3.27154	0.57342
Sr 421.552	0.099690	ug/L	0.006112	6.1	329.678	0.09969
Ti 336.122	0.282373	ug/L	0.007193	2.5	136.193	0.28237
Tl 190.794	2.60312	ug/L	0.180760	6.9	4.36615	2.60312
V 292.401	0.107271	ug/L	0.065951	61.5	16.2254	0.10727
Zn 202.548	0.169949	ug/L	0.039658	23.3	45.5005	0.16995
Zr 339.198	0.436066	ug/L	0.141616	32.5	37.3394	-

ICSA (ICSA) **12/13/2010, 6:26:44 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	-0.033056	ug/L	0.120058	363.2	4.49097	-0.03306
Al 237.312	111663	ug/L	242.372	0.2	4475721	663.28125K
As 188.980	1.66379uv	ug/L	2.76186	166.0	3.62286	1.66379
B 249.678	44.4079	ug/L	2.94721	6.6	1409.10	44.40789
Ba 493.408	0.977227	ug/L	0.001769	0.2	2602.69	0.97723
Be 313.042	0.063399	ug/L	0.003476	5.5	510.981	0.06340
Ca 373.690	107129	ug/L	202.188	0.2	6355617	129.40625K
Cd 214.439	-0.335795	ug/L	0.024987	7.4	98.0458	-0.33580
Co 228.615	-0.188031	ug/L	0.019889	10.6	48.2944	-0.18803
Cr 267.716	0.476058	ug/L	0.031898	6.7	45.5438	0.47606
Cu 327.395	0.666107	ug/L	0.017841	2.7	128.615	0.66611
Fe 273.955	111984	ug/L	239.008	0.2	17246211	984.17188K
K 404.721	366.931	ug/L	90.6166	24.7	23.9226	366.93079
Li 610.365	1.36518	ug/L	0.103866	7.6	92.7520	1.36518
Mg 279.078	107408	ug/L	265.253	0.2	5354527	407.54688K

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	-0.314306	ug/L	0.015518	4.9	703.500	-0.31431
Mo 202.032	1.20348	ug/L	0.268724	22.3	22.3165	1.20348
Na 330.237	124.911	ug/L	41.0084	32.8	28.0842	124.91122
Ni 216.555	3.10037	ug/L	0.501442	16.2	130.498	3.10037
Pb 220.353	-1.78092uv	ug/L	0.237690	13.3	-2.37939	-1.78092
Sb 217.582	-1.03713uv	ug/L	1.66281	160.3	3.48572	-1.03713
Se 196.026	-1.45835uv	ug/L	0.195263	13.4	0.973328	-1.45835
Si 251.611	-5.94978uv	ug/L	0.116676	2.0	54.5657	-5.94978
Si 288.158	-2.09222uv	ug/L	0.891950	42.6	586.981	-2.09222
Sn 189.925	-0.666131	ug/L	0.400029	60.1	5.36623	-0.66613
Sr 421.552	0.755576	ug/L	0.004954	0.7	8106.00	0.75558
Ti 336.122	0.320613	ug/L	0.012231	3.8	148.990	0.32061
Tl 190.794	0.587642uv	ug/L	1.42984	243.3	2.43573	0.58764
V 292.401	-2.76327	ug/L	0.060564	2.2	90.6685	-2.76327
Zn 202.548	8.11046	ug/L	0.925966	11.4	346.213	8.11046
Zr 339.198	0.860695	ug/L	0.023390	2.7	65.4872	-

ICSAB (ICSAB) **12/13/2010, 6:29:38 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	594.325	ug/L	0.117952	0.0	5750.58	99.05424
Al 237.312	109913	ug/L	0.911522	0.0	440742	109.91325
As 188.980	1872.78	ug/L	1.91684	0.1	2350.42	93.63879
B 249.678	34.0137	ug/L	1.34721	4.0	1115.68	-
Ba 493.408	555.898	ug/L	0.658597	0.1	1414690	92.64960
Be 313.042	172.346	ug/L	0.491369	0.3	694757	86.17276
Ca 373.690	105128	ug/L	363.685	0.3	624940	105.12785
Cd 214.439	547.122	ug/L	1.66108	0.3	26094.1	91.18707
Co 228.615	550.517	ug/L	0.075441	0.0	5964.73	91.75287
Cr 267.716	549.054	ug/L	1.22483	0.2	28657.0	91.50892
Cu 327.395	581.761	ug/L	7.52108	1.3	40173.5	96.96017
Fe 273.955	110388	ug/L	16.0259	0.0	1700693	110.38808
K 404.721	39697.0	ug/L	396.717	1.0	784.868	99.24246
Li 610.365	1.26287	ug/L	0.209665	16.6	84.5459	-
Mg 279.078	105000	ug/L	89.1838	0.1	524090	104.99988
Mn 257.610	364.924	ug/L	0.341987	0.1	121279	91.23096
Mo 202.032	0.242121	ug/L	0.054278	22.4	12.7055	-
Na 330.237	-82.5545uv	ug/L	26.8843	32.6	-54.4088	-
Ni 216.555	548.707	ug/L	0.188516	0.0	5567.76	91.45124
Pb 220.353	1775.84	ug/L	1.24141	0.1	10507.0	88.79185
Sb 217.582	1001.28	ug/L	1.37503	0.1	2134.76	100.12807
Se 196.026	916.782	ug/L	2.74643	0.3	629.517	91.67822
Si 251.611	-9.24908uv	ug/L	0.521753	5.6	45.4741	-
Si 288.158	-2.86157uv	ug/L	0.494248	17.3	599.906	-
Sn 189.925	-0.162610	ug/L	0.733243	450.9	6.23161	-
Sr 421.552	0.690913	ug/L	0.002292	0.3	7831.11	-
Ti 336.122	0.643274	ug/L	0.022320	3.5	241.987	-
Tl 190.794	1776.42	ug/L	15.9597	0.9	2032.24	88.82118
V 292.401	555.202	ug/L	0.256274	0.0	25290.5	92.53363
Zn 202.548	534.417	ug/L	2.45105	0.5	17264.9	89.06950
Zr 339.198	3.45652	ug/L	0.208411	6.0	228.612	-

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 11:21:43 14 Dec 10 HG

Hg .000 ppb -3487

*** Standard: 1 Rep: 2 Seq: 1 11:23:46 14 Dec 10 HG

Hg .000 ppb -5836

*** Standard: 2 Rep: 1 Seq: 2 11:25:48 14 Dec 10 HG

Hg .200 ppb 7329

*** Standard: 2 Rep: 2 Seq: 3 11:27:41 14 Dec 10 HG

Hg .200 ppb 10751

*** Standard: 3 Rep: 1 Seq: 4 11:29:22 14 Dec 10 HG

Hg .500 ppb 24667

*** Standard: 3 Rep: 2 Seq: 5 11:31:08 14 Dec 10 HG

Hg .500 ppb 24356

*** Standard: 4 Rep: 1 Seq: 6 11:33:13 14 Dec 10 HG

Hg 1.00 ppb 49815

*** Standard: 4 Rep: 2 Seq: 7 11:34:54 14 Dec 10 HG

Hg 1.00 ppb 49647

*** Standard: 5 Rep: 1 Seq: 8 11:36:45 14 Dec 10 HG

Hg 5.00 ppb 243919

*** Standard: 5 Rep: 2 Seq: 9 11:38:28 14 Dec 10 HG

Hg 5.00 ppb 242409

*** Standard: 6 Rep: 1 Seq: 10 11:40:13 14 Dec 10 HG

Hg 10.0 ppb 476366

*** Standard: 6 Rep: 2 Seq: 11 11:42:00 14 Dec 10 HG

Hg 10.0 ppb 473824

*** Check Standard: 2 Ck2ICV Seq: 12 11:50:32 14 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.15	5.00	ppb	.000

*** Check Standard: 3 Ck3IPC Seq: 13 11:52:13 14 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.8	4.99	5.00	ppb	.000

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Check Standard: 5  Ck5ICB       Seq:  14      11:54:09 14 Dec 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          39.2     .039    .100   ppb         .000

*** Sample ID: MB                   Seq:  15     12:20:06 14 Dec 10   HG
                          67091
Hg    .028    ppb       .000      .028

===============================================================================
*** Sample ID: LCSSRM               Seq:  16     12:21:50 14 Dec 10   HG
                          @10
Hg    4.51    ppb       .000      4.51                                        =
===============================================================================
*** Sample ID: LCDSRM               Seq:  17     12:23:41 14 Dec 10   HG
                          @10
Hg    4.34    ppb       .000      4.34                                        =
===============================================================================
*** Sample ID: 14277B1A             Seq:  18     12:25:42 14 Dec 10   HG

Hg    .151    ppb       .000      .151                                        =
===============================================================================
*** Sample ID: 14277B1B             Seq:  19     12:27:35 14 Dec 10   HG
                            DU
Hg    .046    ppb       .000      .046                                        =
===============================================================================
*** Sample ID: 14277B1C             Seq:  20     12:29:28 14 Dec 10   HG
                            MS
Hg    4.78    ppb       .000      4.78                                        =
*** Check Standard: 4  Ck4CCV       Seq:  25      12:38:54 14 Dec 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.08    5.00   ppb         .000                         =
*** Check Standard: 1  Ck1CCB       Seq:  26      12:40:37 14 Dec 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .029     .100     ppb        .000                                =
*** Check Standard: 4  Ck4CCV       Seq:  37      13:01:01 14 Dec 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.7     4.93    5.00   ppb         .000                         =
*** Check Standard: 1  Ck1CCB       Seq:  38      13:02:53 14 Dec 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.036     .100     ppb        .000                                =
*** Sample ID: 31465A1B             Seq:  39     13:04:34 14 Dec 10   HG

Hg    .946    ppb       .000      .946                                        =
===============================================================================
*** Sample ID: 31465A2B             Seq:  40     13:06:37 14 Dec 10   HG

Hg    .572    ppb       .000      .572                                        =
```

 STL-WESTFIELD Folder: 12-14-10 Page 843
Protocol: mercury
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 31465A3B				Seq: 41	13:08:19 14 Dec 10	HG		
Hg	.082	ppb	.000	.082				
*** Sample ID: 31465A4B				Seq: 42	13:10:06 14 Dec 10	HG		
Hg	3.36	ppb	.000	3.36				
*** Sample ID: 31465A5B				Seq: 43	13:11:51 14 Dec 10	HG		
Hg	.157	ppb	.000	.157				
*** Sample ID: MB 67092				Seq: 44	13:13:35 14 Dec 10	HG		
Hg	-.012	ppb	.000	-.012				
*** Sample ID: LCSSRM @10				Seq: 45	13:15:17 14 Dec 10	HG		
Hg	3.12	ppb	.000	3.12				
*** Sample ID: LCDSRM @10				Seq: 46	13:16:59 14 Dec 10	HG		
Hg	4.13	ppb	.000	4.13				
*** Sample ID: 31465A13D				Seq: 47	13:18:43 14 Dec 10	HG		
Hg	.180	ppb	.000	.180				
*** Sample ID: 31465A13E MS				Seq: 48	13:20:36 14 Dec 10	HG		
Hg	4.75	ppb	.000	4.75				

*** Check Standard: 4 Ck4CCV Seq: 49 13:22:33 14 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.17	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 50 13:24:13 14 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.071	.100	ppb	.000

*** Sample ID: 31465A13F MSD				Seq: 51	13:26:00 14 Dec 10	HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: 31465A6B				Seq: 52	13:27:51 14 Dec 10	HG		
Hg	.214	ppb	.000	.214				

 STL-WESTFIELD Folder: 12-14-10 Page 844
Protocol: mercury
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 31465A7B				Seq: 53	13:29:33 14 Dec 10	HG		
Hg	.471	ppb	.000	.471				
*** Sample ID: 31465A9B				Seq: 54	13:31:29 14 Dec 10	HG		
Hg	.082	ppb	.000	.082				
*** Sample ID: 31465A10B				Seq: 55	13:33:51 14 Dec 10	HG		
Hg	.168	ppb	.000	.168				
*** Sample ID: 31465A11B				Seq: 56	13:35:36 14 Dec 10	HG		
Hg	.074	ppb	.000	.074				
*** Sample ID: 31465A12B				Seq: 57	13:37:20 14 Dec 10	HG		
Hg	.209	ppb	.000	.209				

*** Check Standard: 4 Ck4CCV Seq: 61 13:44:21 14 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.2	4.96	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 62 13:46:03 14 Dec 10 HG

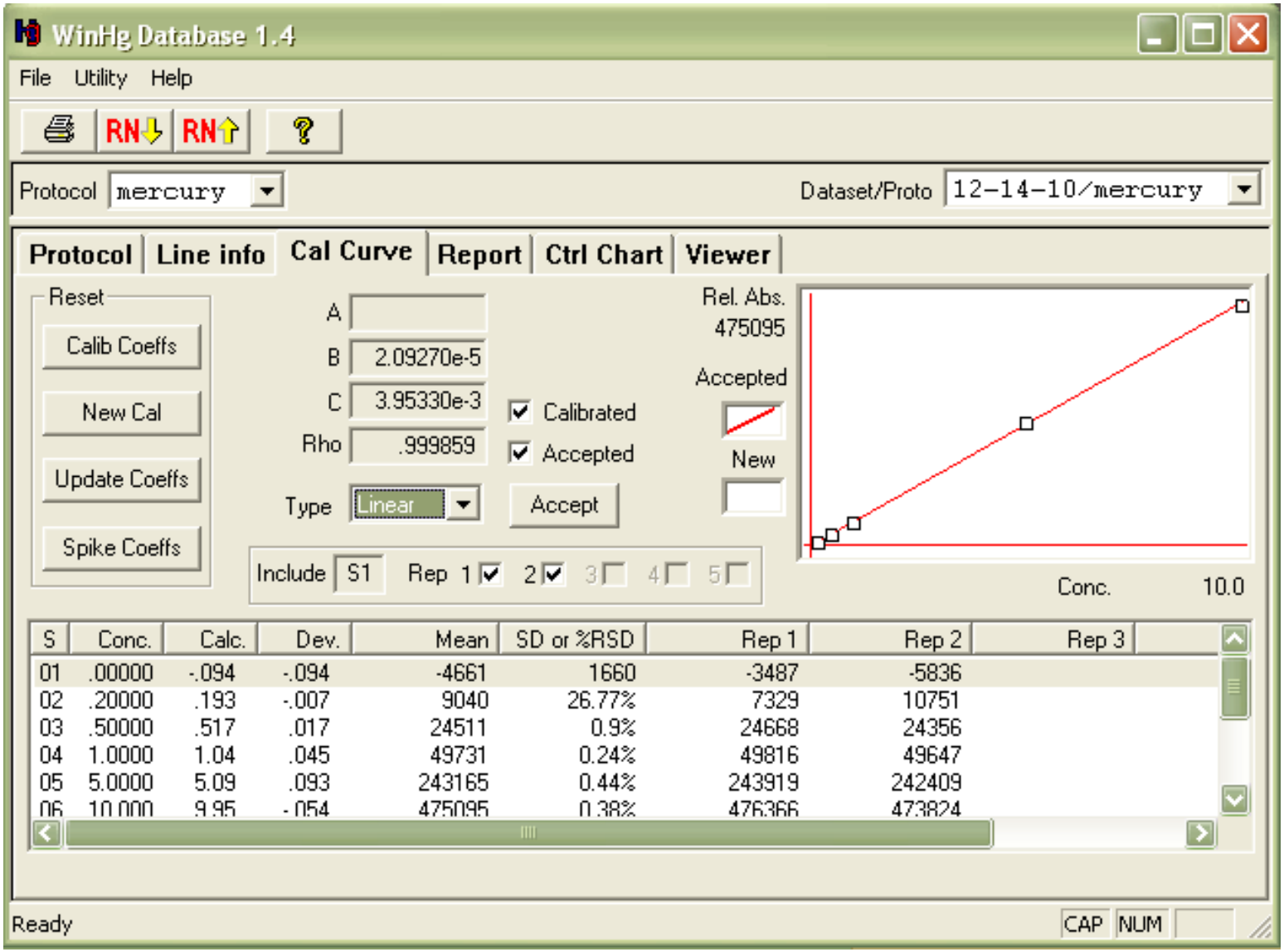
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.014	.100	ppb	.000

*** Check Standard: 4 Ck4CCV Seq: 65 13:51:22 14 Dec 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	5.02	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 66 13:53:05 14 Dec 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.029	.100	ppb	.000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File Utility Help
RN RN
Protocol mercury
Dataset/Proto 12-14-10/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 2.09270e-5
C 3.95330e-3
Rho .999859
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
475095
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
01 .00000 -.094 -.094 -4661 1660 -3487 -5836
02 .20000 .193 -.007 9040 26.77% 7329 10751
03 .50000 .517 .017 24511 0.9% 24668 24356
04 1.0000 1.04 .045 49731 0.24% 49816 49647
05 5.0000 5.09 .093 243165 0.44% 243919 242409
06 10.000 9.95 -.054 475095 0.38% 476366 473824
Ready
CAP NUM

Metals Worksheet

Batch Number: 360-67039
Method: 3050B
Analyst: Nasiatka, Ellen M

Date Open: Dec 13 2010 8:46AM
Batch End: Dec 13 2010 11:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MetQCSoil_00001	stlma-3_00051	stlma2_00047
MB~360-67039/1		3050B, 6010B		2.00 g	100 mL			
LCSSRM~360-67039/2		3050B, 6010B		1.00 g	100 mL	1.0 g		
LCDSRM~360-67039/3		3050B, 6010B		0.99 g	100 mL	1.0 g		
360-31465-A-13	OC-SD-SD-SD2-XXX	3050B, 6010B	T	1.83 g	100 mL			
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	3050B, 6010B	T	1.84 g	100 mL		1.0 mL	1.0 mL
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	3050B, 6010B	T	1.84 g	100 mL		1.0 mL	1.0 mL
360-31465-D-1	OC-SD-ISCO-2-XXX	3050B, 6010B	T	1.95 g	100 mL			
360-31465-D-2	OC-SD-LB-1-XXX	3050B, 6010B	T	1.67 g	100 mL			
360-31465-D-3	OC-SD-LB-2-XXX	3050B, 6010B	T	1.94 g	100 mL			
360-31465-D-4	OC-SD-LB-3-XXX	3050B, 6010B	T	1.69 g	100 mL			
360-31465-D-5	OC-SD-SD-1-XXX	3050B, 6010B	T	1.92 g	100 mL			
360-31465-D-6	OC-SD-SD-SD3-XXX	3050B, 6010B	T	1.92 g	100 mL			
360-31465-G-7	OC-SD-SDSW-E-XXX	3050B, 6010B	T	1.90 g	100 mL			
360-31465-A-9	OC-SD-OPWD-1-XXX	3050B, 6010B	T	1.82 g	100 mL			
360-31465-A-10	OC-SD-OPWD-2-XXX	3050B, 6010B	T	1.92 g	100 mL			
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3050B, 6010B	T	1.77 g	100 mL			
360-31465-A-12	OC-SD-SD-SD2-DUP	3050B, 6010B	T	1.88 g	100 mL			
360-31463-B-2			T	1.85 g	100 mL			
360-31469-A-1			T	1.98 g	100 mL			

Hood ID or number: 5
Hot Block ID number: 1
Lot # of hydrochloric acid: 533950
Lot # of Nitric Acid: 560736
Logbook ID for diluted Nitric: 558155
Hydrogen peroxide lot number: 548135
Oven, Bath or Block Temperature 1: 95 Degrees C

Metals Worksheet

Batch Number: 360-67091
Method: 7471A
Analyst: Nasiatka, Ellen M

Date Open: Dec 14 2010 8:50AM
Batch End: Dec 14 2010 11:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	METHG1mg/L_00654	MetQCSoil_00001
MB~360-67091/1		7471A, 7471A		0.20 g	50 mL		
LCSSRM~360-67091/2		7471A, 7471A		0.11 g	50 mL		0.10 g
LCDSRM~360-67091/3		7471A, 7471A		0.12 g	50 mL		0.10 g
220-14277-B-1			T	0.28 g	50 mL		
220-14277-B-1~DU			T	0.27 g	50 mL		
220-14277-B-1~MS			T	0.27 g	50 mL	250 uL	
220-14277-A-3			T	0.32 g	50 mL		
220-14277-B-6			T	0.34 g	50 mL		
220-14277-B-19			T	0.28 g	50 mL		
220-14277-A-20			T	0.31 g	50 mL		
220-14277-A-22			T	0.27 g	50 mL		
220-14277-B-25			T	0.34 g	50 mL		
360-31502-A-1			T	0.25 g	50 mL		
360-31502-B-2			T	0.35 g	50 mL		
360-31511-A-5			T	0.32 g	50 mL		
360-31511-A-7			T	0.25 g	50 mL		
360-31511-A-8			T	0.30 g	50 mL		
360-31511-A-9			T	0.24 g	50 mL		
360-31469-A-1			T	0.36 g	50 mL		
360-31469-A-2			T	0.37 g	50 mL		
360-31465-A-1	OC-SD-ISCO-2-XXX	7471A, 7471A	T	0.38 g	50 mL		
360-31465-A-2	OC-SD-LB-1-XXX	7471A, 7471A	T	0.37 g	50 mL		
360-31465-A-3	OC-SD-LB-2-XXX	7471A, 7471A	T	0.32 g	50 mL		
360-31465-A-4	OC-SD-LB-3-XXX	7471A, 7471A	T	0.32 g	50 mL		
360-31465-A-5	OC-SD-SD-1-XXX	7471A, 7471A	T	0.28 g	50 mL		

Hood ID or number: 1
Lot # of Nitric Acid: 560736
Lot # of hydrochloric acid: 533950
Potassium Permanganate Lot Number: 558158

Metals Worksheet

Batch Number: 360-67092
Method: 7471A
Analyst: Nasiatka, Ellen M

Date Open: Dec 14 2010 9:01AM
Batch End: Dec 14 2010 11:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	METHG1mg/L_00654	MetQCSoil_00001
MB~360-67092/1		7471A, 7471A		0.20 g	50 mL		
LCSSRM~360-67092/2		7471A, 7471A		0.10 g	50 mL		0.10 g
LCDSRM~360-67092/3		7471A, 7471A		0.11 g	50 mL		0.10 g
360-31465-A-13	OC-SD-SD-SD2-XXX	7471A, 7471A	T	0.33 g	50 mL		
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	7471A, 7471A	T	0.32 g	50 mL	250 uL	
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	7471A, 7471A	T	0.31 g	50 mL	250 uL	
360-31465-A-6	OC-SD-SD-SD3-XXX	7471A, 7471A	T	0.24 g	50 mL		
360-31465-A-7	OC-SD-SDSW-E-XXX	7471A, 7471A	T	0.27 g	50 mL		
360-31465-A-9	OC-SD-OPWD-1-XXX	7471A, 7471A	T	0.29 g	50 mL		
360-31465-A-10	OC-SD-OPWD-2-XXX	7471A, 7471A	T	0.32 g	50 mL		
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	7471A, 7471A	T	0.28 g	50 mL		
360-31465-A-12	OC-SD-SD-SD2-DUP	7471A, 7471A	T	0.32 g	50 mL		
mdl~1				0.20 g	50 mL		
mdl~2				0.20 g	50 mL		
mdl~3				0.20 g	50 mL		

Hood ID or number: 1
Lot # of Nitric Acid: 560736
Lot # of hydrochloric acid: 533950
Potassium Permanganate Lot Number: 558158

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG No.: 360-31465-1

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SD-ISCO-2-XXX	360-31465-1
OC-SD-LB-1-XXX	360-31465-2
OC-SD-LB-2-XXX	360-31465-3
OC-SD-LB-3-XXX	360-31465-4
OC-SD-SD-1-XXX	360-31465-5
OC-SD-SD-SD3-XXX	360-31465-6
OC-SD-SDSW-E-XXX	360-31465-7
OC-SD-OPWD-1-XXX	360-31465-9
OC-SD-OPWD-2-XXX	360-31465-10
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11
OC-SD-SD-SD2-DUP	360-31465-12
OC-SD-SD-SD2-XXX	360-31465-13

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 360-31465-1

SDG No.: 360-31465-1

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SD-ISCO-2-XXX	360-31465-1
OC-SD-SD-1-XXX	360-31465-5
OC-SD-SD-SD3-XXX	360-31465-6
OC-SD-SDSW-E-XXX	360-31465-7
OC-SD-OPWD-SD/SP/SW-S-XXX	360-31465-11
OC-SD-SD-SD2-DUP	360-31465-12
OC-SD-SD-SD2-XXX	360-31465-13

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 52.1

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	290	3.1		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	52000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 52.1

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	9.4		mg/Kg			1	300.0
14808-79-8	Sulfate	600	75		mg/Kg			1	300.0
16887-00-6	Chloride	130	37		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.9		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-LB-1-XXX
Lab Sample ID: 360-31465-2
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 10:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.0

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	140	3.6		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-LB-1-XXX
Lab Sample ID: 360-31465-2
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 10:30
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	33000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-LB-1-XXX
Lab Sample ID: 360-31465-2
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 10:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.0

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	8.8		mg/Kg			1	300.0
14808-79-8	Sulfate	78	70		mg/Kg			1	300.0
16887-00-6	Chloride	110	35		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.8		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-LB-2-XXX
Lab Sample ID: 360-31465-3
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 09:35
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 50.8

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	120	3.3		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-LB-2-XXX
Lab Sample ID: 360-31465-3
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 09:35
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	41000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-LB-2-XXX
Lab Sample ID: 360-31465-3
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 09:35
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 50.8

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	9.6		mg/Kg			1	300.0
14808-79-8	Sulfate	110	77		mg/Kg			1	300.0
16887-00-6	Chloride	61	38		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.9		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-LB-3-XXX
Lab Sample ID: 360-31465-4
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 08:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 43.5

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	580	6.3		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-LB-3-XXX
Lab Sample ID: 360-31465-4
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 08:45
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	51000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-LB-3-XXX
Lab Sample ID: 360-31465-4
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 08:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 43.5

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	11		mg/Kg			1	300.0
14808-79-8	Sulfate	310	92		mg/Kg			1	300.0
16887-00-6	Chloride	150	46		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	2.3		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.2

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	240	3.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	48000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.2

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	8.6		mg/Kg			1	300.0
14808-79-8	Sulfate	640	69		mg/Kg			1	300.0
16887-00-6	Chloride	140	34		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.7		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 75.1

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	170	2.5		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	30000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 75.1

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	6.5		mg/Kg			1	300.0
14808-79-8	Sulfate	360	52		mg/Kg			1	300.0
16887-00-6	Chloride	64	26		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.3		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 77.5

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	130	2.7		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	7500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 77.5

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	6.3		mg/Kg			1	300.0
14808-79-8	Sulfate	210	50		mg/Kg			1	300.0
16887-00-6	Chloride	52	25		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.3		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-1-XXX
Lab Sample ID: 360-31465-9
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.9

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	93	3.2		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-1-XXX
Lab Sample ID: 360-31465-9
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:15
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	13000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-OPWD-1-XXX
Lab Sample ID: 360-31465-9
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.9

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	8.4		mg/Kg			1	300.0
14808-79-8	Sulfate	310	67		mg/Kg			1	300.0
16887-00-6	Chloride	110	33		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.7		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-2-XXX
Lab Sample ID: 360-31465-10
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 37.4

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	130	4.3		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-2-XXX
Lab Sample ID: 360-31465-10
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:45
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-OPWD-2-XXX
Lab Sample ID: 360-31465-10
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 13:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 37.4

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	13		mg/Kg			1	300.0
14808-79-8	Sulfate	280	100		mg/Kg			1	300.0
16887-00-6	Chloride	91	52		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	2.6		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 28.6

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	540	4.2		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	34000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 28.6

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	17		mg/Kg			1	300.0
14808-79-8	Sulfate	1500	140		mg/Kg			1	300.0
16887-00-6	Chloride	240	68		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	3.4		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.1

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	220	3.9		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	30000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.1

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	8.6		mg/Kg			1	300.0
14808-79-8	Sulfate	510	69		mg/Kg			1	300.0
16887-00-6	Chloride	45	35		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.7		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 60.2

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	250	3.5		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	30000	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Westfield
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 60.2

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	8.0		mg/Kg			1	300.0
14808-79-8	Sulfate	700	64		mg/Kg			1	300.0
16887-00-6	Chloride	38	32		mg/Kg			1	300.0
14797-65-0	Nitrite as N	ND	1.6		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 52.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	28	3.9	2.8	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	5.9	3.8	2.7	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.88			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-ISCO-2-XXX
Lab Sample ID: 360-31465-1
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 12:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	200			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	25	3.4	2.5	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	ND	3.4	2.5	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.83			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-1-XXX
Lab Sample ID: 360-31465-5
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 13:15
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	360			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 75.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	ND	2.6	1.9	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	13	2.7	2.0	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	7.51			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-SD3-XXX
Lab Sample ID: 360-31465-6
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 15:45
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	150			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 77.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	2.6	2.6	1.9	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	ND	2.6	1.9	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.82			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SDSW-E-XXX
Lab Sample ID: 360-31465-7
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/09/2010 14:40
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	280			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 28.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	ND	7.1	5.1	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	5.4	7.2	5.2	mg/Kg	J		10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	7.19			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-OPWD-SD/SP/SW-S-XXX
Lab Sample ID: 360-31465-11
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 12:30
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	150			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 57.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	ND	3.4	2.5	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	ND	3.5	2.6	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	7.69			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-SD2-DUP
Lab Sample ID: 360-31465-12
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	82			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: DRY
Date Received: 12/10/2010 19:00
% Solids: 60.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	ND	3.3	2.4	mg/Kg			10	7199
18540-29-9	Chromium (hexavalent)	ND	3.3	2.4	mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	7.66			SU		HF	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SD-SD-SD2-XXX
Lab Sample ID: 360-31465-13
Lab Name: TestAmerica Edison
Job No.: 360-31465-1
SDG ID.: 360-31465-1
Matrix: Solid
Date Sampled: 12/10/2010 09:00
Reporting Basis: WET
Date Received: 12/10/2010 19:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	100			millivolts			1	SM 2580B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RWE Batch Start Date: 12/22/2010

Reporting Units: mg/L Analytical Batch No.: 67626

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	14:40	Sulfate	53.6	50.0	107	90-110		W10IICV001_00001
			Chloride	24.3	25.0	97	90-110		W10IICV001_00001
2	ICB	14:55	Sulfate	ND					
			Chloride	ND					
3	CCV	21:13	Sulfate	82.2	80.0	103	90-110		W10KLCS002_00001
			Chloride	41.2	40.0	103	90-110		W10KLCS002_00001
4	CCB	21:28	Sulfate	ND					
			Chloride	ND					
17	CCV	00:44	Sulfate	82.5	80.0	103	90-110		W10KLCS002_00001
			Chloride	41.3	40.0	103	90-110		W10KLCS002_00001
18	CCB	00:59	Sulfate	ND					
			Chloride	ND					
26	CCV	03:00	Sulfate	82.7	80.0	103	90-110		W10KLCS002_00001
			Chloride	41.5	40.0	104	90-110		W10KLCS002_00001
27	CCB	03:15	Sulfate	ND					
			Chloride	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RWE Batch Start Date: 12/22/2010

Reporting Units: mg/L Analytical Batch No.: 67629

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	14:40	Nitrate as N	2.48	2.50	99	90-110		W10IICV001_00001
			Nitrite as N	2.44	2.50	97	90-110		W10IICV001_00001
2	ICB	14:55	Nitrate as N	ND					
			Nitrite as N	ND					
3	CCV	21:13	Nitrate as N	4.14	4.00	104	90-110		W10KLCS002_00001
			Nitrite as N	4.12	4.00	103	90-110		W10KLCS002_00001
4	CCB	21:28	Nitrate as N	ND					
			Nitrite as N	ND					
17	CCV	00:44	Nitrate as N	4.12	4.00	103	90-110		W10KLCS002_00001
			Nitrite as N	4.07	4.00	102	90-110		W10KLCS002_00001
18	CCB	00:59	Nitrate as N	ND					
			Nitrite as N	ND					
26	CCV	03:00	Nitrate as N	4.10	4.00	102	90-110		W10KLCS002_00001
			Nitrite as N	4.07	4.00	102	90-110		W10KLCS002_00001
27	CCB	03:15	Nitrate as N	ND					
			Nitrite as N	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RWE Batch Start Date: 12/16/2010

Reporting Units: mg/Kg Analytical Batch No.: 67464

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:24	Total Organic Carbon	30800	33500	92	90-110		W03JICV001_00001
2	ICB	13:32	Total Organic Carbon	ND					
15	CCV	14:22	Total Organic Carbon	7910	8600	92	85-115		W03JSTD001_00001
16	CCB	14:57	Total Organic Carbon	ND					
27	CCV	09:13	Total Organic Carbon	7470	8600	87	85-115		W03JSTD001_00001
28	CCB	09:45	Total Organic Carbon	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RWE Batch Start Date: 12/16/2010

Reporting Units: mg/Kg Analytical Batch No.: 67468

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:24	Total Organic Carbon	30800	33500	92	90-110		W03JICV001_00001
2	ICB	13:32	Total Organic Carbon	ND					
3	CCV	09:13	Total Organic Carbon	7470	8600	87	85-115		W03JSTD001_00001
4	CCB	09:45	Total Organic Carbon	ND					
17	CCV	17:05	Total Organic Carbon	8350	8600	97	85-115		W03JSTD001_00001
18	CCB	17:30	Total Organic Carbon	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RWE Batch Start Date: 12/17/2010

Reporting Units: mg/L Analytical Batch No.: 67341

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	14:35	Ammonia	12.1	12.2	99	90-110		W10ASTK002_00001
2	ICB	14:36	Ammonia	ND					
3	CCV	14:58	Ammonia	7.64	8.00	96	90-110		W10K_NH3_STND_00001
4	CCB	14:59	Ammonia	ND					
15	CCV	15:09	Ammonia	7.85	8.00	98	90-110		W10K_NH3_STND_00001
16	CCB	15:10	Ammonia	ND					
26	CCV	15:20	Ammonia	7.68	8.00	96	90-110		W10K_NH3_STND_00001
27	CCB	15:21	Ammonia	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RK Batch Start Date: 12/18/2010

Reporting Units: ug/L Analytical Batch No.: 59435

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	11:40	Chromium (hexavalent)	24.6	25.0	99	90-110		WThcrIM6_00261
7	ICB	11:47	Chromium (hexavalent)	ND					
18	CCV	13:08	Chromium (hexavalent)	24.8	25.0	99	90-110		WThcrIM6_00261
19	CCB	13:15	Chromium (hexavalent)	ND					
30	CCV	14:36	Chromium (hexavalent)	24.9	25.0	100	90-110		WThcrIM6_00261
31	CCB	14:44	Chromium (hexavalent)	ND					
42	CCV	16:04	Chromium (hexavalent)	24.8	25.0	99	90-110		WThcrIM6_00261
43	CCB	16:11	Chromium (hexavalent)	ND					
54	CCV	17:30	Chromium (hexavalent)	25.0	25.0	100	90-110		WThcrIM6_00261
55	CCB	17:38	Chromium (hexavalent)	ND					
60	CCV	18:14	Chromium (hexavalent)	24.8	25.0	99	90-110		WThcrIM6_00261
61	CCB	18:22	Chromium (hexavalent)	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: RK Batch Start Date: 12/20/2010

Reporting Units: ug/L Analytical Batch No.: 59439

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	16:32	Chromium (hexavalent)	25.0	25.0	100	90-110		WThcrIM6_00262
7	ICB	16:39	Chromium (hexavalent)	ND					
18	CCV	18:13	Chromium (hexavalent)	25.3	25.0	101	90-110		WThcrIM6_00262
19	CCB	18:21	Chromium (hexavalent)	ND					
30	CCV	19:41	Chromium (hexavalent)	25.1	25.0	101	90-110		WThcrIM6_00262
31	CCB	19:48	Chromium (hexavalent)	ND					
42	CCV	21:07	Chromium (hexavalent)	25.3	25.0	101	90-110		WThcrIM6_00262
43	CCB	21:14	Chromium (hexavalent)	ND					
54	CCV	22:33	Chromium (hexavalent)	24.9	25.0	100	90-110		WThcrIM6_00262
55	CCB	22:40	Chromium (hexavalent)	ND					
64	CCV	23:46	Chromium (hexavalent)	24.8	25.0	99	90-110		WThcrIM6_00262
65	CCB	23:53	Chromium (hexavalent)	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: MB Batch Start Date: 12/21/2010

Reporting Units: SU Analytical Batch No.: 59560

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	CCV	16:15	pH	7.010	7.00	100	99-101		WTpHCCV_00007

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Analyst: MB Batch Start Date: 12/21/2010

Reporting Units: millivolts Analytical Batch No.: 59591

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	CCV	12:58	Oxidation Reduction Potential	677	679	100	98-102		WTredoxLCS_00005

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 67626	Date: 12/22/2010 21:43						
300.0	MB 360-67495/1-A	Sulfate	ND		mg/Kg	40	1
300.0	MB 360-67495/1-A	Chloride	ND		mg/Kg	20	1
Batch ID: 67629	Date: 12/22/2010 21:43						
300.0	MB 360-67495/1-A	Nitrate as N	ND		mg/Kg	5.0	1
300.0	MB 360-67495/1-A	Nitrite as N	ND		mg/Kg	1.0	1
Batch ID: 67341	Date: 12/17/2010 15:00	Prep Batch: 67325	Date: 12/17/2010 10:20				
L107-06-1B	MB 360-67325/1-A	Ammonia	ND		mg/Kg	5.0	1
Batch ID: 67464	Date: 12/16/2010 13:58						
Lloyd Kahn	MB 360-67464/3	Total Organic Carbon	ND		mg/Kg	1000	1
Batch ID: 67468	Date: 12/20/2010 10:35						
Lloyd Kahn	MB 360-67468/5	Total Organic Carbon	ND		mg/Kg	1000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 59435	Date: 12/18/2010 12:02	Prep Batch: 59082	Date: 12/17/2010 11:00				
7199	MB 460-59082/1-A ^10	Chromium (hexavalent)	ND		mg/Kg	2.0	10
Batch ID: 59439	Date: 12/20/2010 17:37	Prep Batch: 59331	Date: 12/20/2010 11:00				
7199	MB 460-59331/1-A ^10	Chromium (hexavalent)	ND		mg/Kg	2.0	10
Batch ID: 59560	Date: 12/21/2010 16:05						
9045C	MB 460-59560/1	pH	6.200		SU		1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 67626	Date: 12/23/2010 01:45										
300.0	360-31465-13	Sulfate	700		mg/Kg						
300.0	360-31465-13 MS	Sulfate	1080		mg/Kg	321	120	75-125			
300.0	360-31465-13	Chloride	38.0		mg/Kg						
300.0	360-31465-13 MS	Chloride	215		mg/Kg	161	110	75-125			
Batch ID: 67629	Date: 12/23/2010 01:45										
300.0	360-31465-13	Nitrate as N	ND		mg/Kg						
300.0	360-31465-13 MS	Nitrate as N	17.3		mg/Kg	16.1	108	75-125			
300.0	360-31465-13	Nitrite as N	ND		mg/Kg						
300.0	360-31465-13 MS	Nitrite as N	16.7		mg/Kg	16.1	104	75-125			
Batch ID: 67341	Date: 12/17/2010 15:03	Prep Batch: 67325	Date: 12/17/2010 10:20								
L107-06-1B	360-31465-13	Ammonia	250		mg/Kg						
L107-06-1B	360-31465-13 MS	Ammonia	597		mg/Kg	343	100	75-125			

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 67626	Date: 12/23/2010 02:00										
300.0	360-31465-13 MSD	Sulfate	1080		mg/Kg	321	120	75-125	0	20	
300.0	360-31465-13 MSD	Chloride	215		mg/Kg	161	111	75-125	0	20	
Batch ID: 67629	Date: 12/23/2010 02:00										
300.0	360-31465-13 MSD	Nitrate as N	17.3		mg/Kg	16.1	108	75-125	0	20	
300.0	360-31465-13 MSD	Nitrite as N	16.8		mg/Kg	16.1	104	75-125	0	20	
Batch ID: 67341	Date: 12/17/2010 15:04		Prep Batch: 67325		Date: 12/17/2010 10:20						
L107-06-1B	360-31465-13 MSD	Ammonia	739		mg/Kg	401	121	75-125	21	20	F

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

FORM V-IN

5-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 59435	Date: 12/18/2010 18:00		Prep Batch: 59082		Date: 12/17/2010 11:00						
7199	360-31465-13	Chromium (hexavalent)	ND		mg/Kg						
7199	360-31465-13 PDS	Chromium (hexavalent)	66.9		mg/Kg	66.4	101	85-115			
Batch ID: 59439	Date: 12/20/2010 16:53		Prep Batch: 59082		Date: 12/17/2010 11:00						
7199	360-31465-13	Chromium (hexavalent)	ND		mg/Kg						
7199	360-31465-13 MSS	Chromium (hexavalent)	ND		mg/Kg	66.4					
Batch ID: 59439	Date: 12/20/2010 17:22		Prep Batch: 59082		Date: 12/17/2010 11:00						
7199	360-31465-13	Chromium (hexavalent)	ND		mg/Kg						
7199	360-31465-13 MSI	Chromium (hexavalent)	81.3		mg/Kg	1180					
Batch ID: 59439	Date: 12/20/2010 19:04		Prep Batch: 59331		Date: 12/20/2010 11:00						
7199	360-31465-13	Chromium (hexavalent)	ND		mg/Kg						
7199	360-31465-13 MSS	Chromium (hexavalent)	6.91		mg/Kg	66.4	10	75-125			F
Batch ID: 59439	Date: 12/20/2010 19:12		Prep Batch: 59331		Date: 12/20/2010 11:00						
7199	360-31465-13	Chromium (hexavalent)	ND		mg/Kg						
7199	360-31465-13 MSI	Chromium (hexavalent)	ND		mg/Kg	1180	0.9	75-125			F
Batch ID: 59439	Date: 12/20/2010 23:39		Prep Batch: 59331		Date: 12/20/2010 11:00						
7199	360-31465-13	Chromium (hexavalent)	ND		mg/Kg						
7199	360-31465-13 PDS	Chromium (hexavalent)	69.0		mg/Kg	66.4	104	85-115			

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 67464	Date: 12/18/2010 13:26							
Lloyd Kahn	OC-SD-LB-3-XXX	360-31465-4	Total Organic Carbon	51000	mg/Kg			
Lloyd Kahn	OC-SD-LB-3-XXX	360-31465-4 DU	Total Organic Carbon	45000	mg/Kg	13	20.0	
Batch ID: 67468	Date: 12/20/2010 16:07							
Lloyd Kahn	OC-SD-SD-SD2-XXX	360-31465-13	Total Organic Carbon	30000	mg/Kg			
Lloyd Kahn	OC-SD-SD-SD2-XXX	360-31465-13 DU	Total Organic Carbon	27800	mg/Kg	8	20.0	

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

FORM VI-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 59435	Date: 12/18/2010 13:01		Prep Batch: 59082	Date: 12/17/2010 11:00				
7199	OC-SD-SD-SD2-XXX	360-31465-13	Chromium (hexavalent)	ND	mg/Kg			
7199	OC-SD-SD-SD2-XXX	360-31465-13 DU	Chromium (hexavalent)	ND	mg/Kg	NC	20	
Batch ID: 59439	Date: 12/20/2010 18:50		Prep Batch: 59331	Date: 12/20/2010 11:00				
7199	OC-SD-SD-SD2-XXX	360-31465-13	Chromium (hexavalent)	ND	mg/Kg			
7199	OC-SD-SD-SD2-XXX	360-31465-13 DU	Chromium (hexavalent)	ND	mg/Kg	NC	20	
Batch ID: 59560	Date: 12/21/2010 16:08							
9045C	OC-SD-SD-SD2-XXX	360-31465-13	pH	7.66	SU			
9045C	OC-SD-SD-SD2-XXX	360-31465-13 DU	pH	7.630	SU	0.4	10	
Batch ID: 59591	Date: 12/21/2010 12:46							
SM 2580B	OC-SD-SD-SD2-XXX	360-31465-13	Oxidation Reduction Potential	100	millivolts			
SM 2580B	OC-SD-SD-SD2-XXX	360-31465-13 DU	Oxidation Reduction Potential	97.0	millivolts	4	10	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 67626	Date: 12/22/2010 21:58										
						LCS Source: W10KLCS002_00001					
300.0	LCS 360-67495/2-A	Sulfate	822		mg/Kg	800	103	85-115			
300.0	LCS 360-67495/2-A	Chloride	412		mg/Kg	400	103	85-115			
Batch ID: 67629	Date: 12/22/2010 21:58										
						LCS Source: W10KLCS002_00001					
300.0	LCS 360-67495/2-A	Nitrate as N	41.3		mg/Kg	40.0	103	85-115			
300.0	LCS 360-67495/2-A	Nitrite as N	41.0		mg/Kg	40.0	102	85-115			
Batch ID: 67341	Date: 12/17/2010 15:01	Prep Batch: 67325	Date: 12/17/2010 10:20								
						LCS Source: W10K_NH3_STND_00001					
L107-06-1B	LCS 360-67325/2-A	Ammonia	470		mg/Kg	500	94	85-115			
Batch ID: 67464	Date: 12/16/2010 14:43										
						LCS Source: W03JSTD001_00001					
Lloyd Kahn	LCS 360-67464/4	Total Organic Carbon	7980		mg/Kg	8600	93	80-120			
Batch ID: 67468	Date: 12/20/2010 11:00										
						LCS Source: W03JSTD001_00001					
Lloyd Kahn	LCS 360-67468/6	Total Organic Carbon	8270		mg/Kg	8600	96	80-120			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 59560	Date: 12/21/2010 16:06										
						LCS Source: WTpHLCS_00011					
9045C	LCS 460-59560/2	pH	6.920		SU	6.92	100	95-105			
Batch ID: 59591	Date: 12/21/2010 12:40										
						LCS Source: WTredoxLCS_00005					
SM 2580B	LCS 460-59591/1	Oxidation Reduction Potential	678		millivolts	679	100	98-102			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE SOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 59435	Date: 12/18/2010 12:17		Prep Batch: 59082		Date: 12/17/2010 11:00						
					LCS Source: WThcrsLCS_00024						
7199	LCSS 460-59082/2-A ^25	Chromium (hexavalent)	19.5		mg/Kg	20.3	96	85-115			
Batch ID: 59435	Date: 12/18/2010 12:24		Prep Batch: 59082		Date: 12/17/2010 11:00						
					LCS Source: WThcrPbCr_00004						
7199	LCSI 460-59082/3-A ^500	Chromium (hexavalent)	750		mg/Kg	708	106	80-120			
Batch ID: 59439	Date: 12/20/2010 17:51		Prep Batch: 59331		Date: 12/20/2010 11:00						
					LCS Source: WThcrsLCS_00024						
7199	LCSS 460-59331/2-A ^25	Chromium (hexavalent)	19.5		mg/Kg	20.3	96	85-115			
Batch ID: 59439	Date: 12/20/2010 17:59		Prep Batch: 59331		Date: 12/20/2010 11:00						
					LCS Source: WThcrPbCr_00004						
7199	LCSI 460-59331/3-A ^500	Chromium (hexavalent)	742		mg/Kg	708	105	80-120			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: 300.0 RL Date: 04/01/2005 10:06

Prep Method:

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Chloride		20	
Nitrate as N		5	
Nitrite as N		1	
Sulfate		40	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: 300.0 XMDL Date: 09/01/2006 15:57

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		1	1
Nitrate as N		0.05	0.05
Nitrite as N		0.01	0.01
Sulfate		2	2

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Lloyd Kahn RL Date: 07/14/2009 16:24

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Total Organic Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Lloyd Kahn XMDL Date: 09/01/2006 09:53

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		1000	1000

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 04/01/2005 17:54

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture XMDL Date: 09/01/2006 10:27

Analyte	Wavelength/ Mass	XRL (%)	XMDL (%)
Percent Moisture		1	1
Percent Solids		1	1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: L107-06-1B RL Date: 08/01/2005 13:28

Prep Method: Distill/Ammonia

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Ammonia		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: L107-06-1B XMDL Date: 09/01/2006 16:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: IC

Analysis Method: 7199 MDL Date: 12/22/2008 11:16

Prep Method: 3060A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Chromium (hexavalent)		0.2	0.145

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 360-31465-1

SDG Number: 360-31465-1

Matrix: Solid Instrument ID: IC

Analysis Method: 7199 XMDL Date: 12/22/2008 11:18

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Chromium (hexavalent)		1	0.109

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Preparation Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-67325/1-A	12/17/2010 10:20	67325	1.0		50
LCS 360-67325/2-A	12/17/2010 10:20	67325	1.0		50
360-31465-13	12/17/2010 10:20	67325	2.34		50
360-31465-13 MS	12/17/2010 10:20	67325	2.42		50
360-31465-13 MSD	12/17/2010 10:20	67325	2.07		50
360-31465-1	12/17/2010 10:20	67325	3.11		50
360-31465-2	12/17/2010 10:20	67325	2.47		50
360-31465-3	12/17/2010 10:20	67325	3.02		50
360-31465-4	12/17/2010 10:20	67325	1.83		50
360-31465-5	12/17/2010 10:20	67325	2.33		50
360-31465-6	12/17/2010 10:20	67325	2.69		50
360-31465-7	12/17/2010 10:20	67325	2.35		50
360-31465-9	12/17/2010 10:20	67325	2.67		50
360-31465-10	12/17/2010 10:20	67325	3.11		50
360-31465-11	12/17/2010 10:20	67325	4.21		50
360-31465-12	12/17/2010 10:20	67325	2.25		50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-59082/1-A ^10	12/17/2010 11:00	59082	2.50		100
LCSS 460-59082/2-A ^25	12/17/2010 11:00	59082	2.50		100
LCSI 460-59082/3-A ^500	12/17/2010 11:00	59082	2.50		100
360-31465-13	12/17/2010 11:00	59082	2.50		100
360-31465-13 DU	12/17/2010 11:00	59082	2.50		100
360-31465-13 MSS	12/17/2010 11:00	59082	2.50		100
360-31465-13 MSI	12/17/2010 11:00	59082	2.50		100
360-31465-1	12/17/2010 11:00	59082	2.49		100
360-31465-5	12/17/2010 11:00	59082	2.56		100
360-31465-6	12/17/2010 11:00	59082	2.57		100
360-31465-7	12/17/2010 11:00	59082	2.50		100
360-31465-11	12/17/2010 11:00	59082	2.48		100
360-31465-12	12/17/2010 11:00	59082	2.55		100

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-59331/1-A ^10	12/20/2010 11:00	59331	2.50		100
LCSS 460-59331/2-A ^25	12/20/2010 11:00	59331	2.50		100
LCSI 460-59331/3-A ^500	12/20/2010 11:00	59331	2.50		100
360-31465-13	12/20/2010 11:00	59331	2.50		100
360-31465-13 DU	12/20/2010 11:00	59331	2.50		100
360-31465-13 MSS	12/20/2010 11:00	59331	2.50		100
360-31465-13 MSI	12/20/2010 11:00	59331	2.50		100
360-31465-1	12/20/2010 11:00	59331	2.55		100
360-31465-5	12/20/2010 11:00	59331	2.56		100
360-31465-6	12/20/2010 11:00	59331	2.43		100
360-31465-7	12/20/2010 11:00	59331	2.47		100
360-31465-11	12/20/2010 11:00	59331	2.44		100
360-31465-12	12/20/2010 11:00	59331	2.49		100

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: 300.0

Start Date: 12/22/2010 14:40 End Date: 12/23/2010 14:40

Lab Sample ID	D/F	Type	Time	Analytes																				
				CL-	SO4																			
ICV 360-67626/1	1		14:40	X	X																			
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ZZZZZZ			14:40																					
ICB 360-67626/2	1		14:55	X	X																			
CCV 360-67626/3	1		21:13	X	X																			
CCB 360-67626/4	1		21:28	X	X																			
MB 360-67495/1-A	1	S	21:43	X	X																			
LCS 360-67495/2-A	1	S	21:58	X	X																			
360-31465-1	1	S	22:13	X	X																			
360-31465-2	1	S	22:28	X	X																			
360-31465-3	1	S	22:44	X	X																			
360-31465-4	1	S	22:59	X	X																			
360-31465-5	1	S	23:14	X	X																			
360-31465-6	1	S	23:29	X	X																			
360-31465-7	1	S	23:44	X	X																			
360-31465-9	1	S	23:59	X	X																			
360-31465-10	1	S	00:14	X	X																			
360-31465-11	1	S	00:29	X	X																			
CCV 360-67626/17	1		00:44	X	X																			
CCB 360-67626/18	1		00:59	X	X																			
360-31465-12	1	S	01:15	X	X																			
360-31465-13	1	S	01:30	X	X																			
360-31465-13 MS	1	S	01:45	X	X																			
360-31465-13 MSD	1	S	02:00	X	X																			
ZZZZZZ			02:15																					
ZZZZZZ			02:30																					
ZZZZZZ			02:45																					
CCV 360-67626/26	1		03:00	X	X																			
CCB 360-67626/27	1		03:15	X	X																			
ZZZZZZ			14:40																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: 300.0

Start Date: 12/22/2010 14:40 End Date: 12/23/2010 14:40

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: 300.0

Start Date: 12/22/2010 14:40 End Date: 12/23/2010 03:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NO3																		
ICV 360-67629/1	1		14:40	X	X																		
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ZZZZZZ			14:40																				
ICB 360-67629/2	1		14:55	X	X																		
CCV 360-67629/3	1		21:13	X	X																		
CCB 360-67629/4	1		21:28	X	X																		
MB 360-67495/1-A	1	S	21:43	X	X																		
LCS 360-67495/2-A	1	S	21:58	X	X																		
360-31465-1	1	S	22:13	X	X																		
360-31465-2	1	S	22:28	X	X																		
360-31465-3	1	S	22:44	X	X																		
360-31465-4	1	S	22:59	X	X																		
360-31465-5	1	S	23:14	X	X																		
360-31465-6	1	S	23:29	X	X																		
360-31465-7	1	S	23:44	X	X																		
360-31465-9	1	S	23:59	X	X																		
360-31465-10	1	S	00:14	X	X																		
360-31465-11	1	S	00:29	X	X																		
CCV 360-67629/17	1		00:44	X	X																		
CCB 360-67629/18	1		00:59	X	X																		
360-31465-12	1	S	01:15	X	X																		
360-31465-13	1	S	01:30	X	X																		
360-31465-13 MS	1	S	01:45	X	X																		
360-31465-13 MSD	1	S	02:00	X	X																		
ZZZZZZ			02:15																				
ZZZZZZ			02:30																				
ZZZZZZ			02:45																				
CCV 360-67629/26	1		03:00	X	X																		
CCB 360-67629/27	1		03:15	X	X																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: 300.0

Start Date: 12/22/2010 14:40 End Date: 12/23/2010 03:15

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: Lloyd Kahn

Start Date: 12/16/2010 10:35 End Date: 12/20/2010 09:45

Lab Sample ID	D / F	Type	Time	Analytes																				
				TOC																				
ZZZZZZ			10:35																					
ZZZZZZ			11:00																					
ZZZZZZ			11:28																					
ICV 360-67464/1	1		12:24	X																				
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ZZZZZZ			12:24																					
ICB 360-67464/2	1		13:32	X																				
MB 360-67464/3	1	T	13:58	X																				
LCS 360-67464/4	1	T	14:43	X																				
ZZZZZZ			15:49																					
ZZZZZZ			16:17																					
ZZZZZZ			16:43																					
ZZZZZZ			09:03																					
ZZZZZZ			09:31																					
ZZZZZZ			10:38																					
ZZZZZZ			11:03																					
ZZZZZZ			11:30																					
ZZZZZZ			11:58																					
ZZZZZZ			13:03																					
CCV 360-67464/15	1		14:22	X																				
CCB 360-67464/16	1		14:57	X																				
ZZZZZZ			15:24																					
ZZZZZZ			15:49																					
ZZZZZZ			16:14																					
ZZZZZZ			16:46																					
ZZZZZZ			08:48																					
360-31465-1	1	T	09:25	X																				
360-31465-2	1	T	10:19	X																				
360-31465-3	1	T	11:44	X																				
360-31465-4	1	T	12:13	X																				
360-31465-4 DU	1	T	13:26	X																				
CCV 360-67464/27	1		09:13	X																				
CCB 360-67464/28	1		09:45	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: Lloyd Kahn

Start Date: 12/16/2010 10:35 End Date: 12/20/2010 09:45

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: Lloyd Kahn

Start Date: 12/16/2010 12:24 End Date: 12/21/2010 08:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ICV 360-67468/1	1		12:24	X																			
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
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ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ZZZZZZ			12:24																				
ICB 360-67468/2	1		13:32	X																			
CCV 360-67468/3	1		09:13	X																			
CCB 360-67468/4	1		09:45	X																			
MB 360-67468/5	1	T	10:35	X																			
LCS 360-67468/6	1	T	11:00	X																			
360-31465-5	1	T	11:28	X																			
360-31465-6	1	T	11:56	X																			
360-31465-7	1	T	12:31	X																			
360-31465-9	1	T	12:57	X																			
360-31465-10	1	T	14:10	X																			
360-31465-11	1	T	14:43	X																			
360-31465-12	1	T	15:12	X																			
360-31465-13	1	T	15:40	X																			
360-31465-13 DU	1	T	16:07	X																			
ZZZZZZ			16:33																				
CCV 360-67468/17	1		17:05	X																			
CCB 360-67468/18	1		17:30	X																			
ZZZZZZ			17:57																				
CCV 360-67468/20			18:29																				
CCB 360-67468/21			08:28																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: Lloyd Kahn

Start Date: 12/16/2010 12:24 End Date: 12/21/2010 08:28

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/15/2010 14:33 End Date: 12/15/2010 15:33

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
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ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:33																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
ZZZZZZ			14:46																					
360-31465-1	1	T	14:46	X	X																			
360-31465-2	1	T	14:46	X	X																			
360-31465-3	1	T	14:46	X	X																			
360-31465-4	1	T	14:46	X	X																			
360-31465-5	1	T	14:46	X	X																			
360-31465-6	1	T	14:46	X	X																			
360-31465-7	1	T	14:46	X	X																			
360-31465-9	1	T	14:46	X	X																			
360-31465-10	1	T	14:46	X	X																			
360-31465-11	1	T	14:46	X	X																			
360-31465-12	1	T	14:46	X	X																			
360-31465-13	1	T	14:46	X	X																			
360-31465-13 MS	1	T	14:52	X	X																			
360-31465-13 MSD	1	T	14:52	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/15/2010 14:33 End Date: 12/15/2010 15:33

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			14:52																					
ZZZZZZ			14:52																					
ZZZZZZ			14:52																					
ZZZZZZ			14:52																					
ZZZZZZ			15:33																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: L107-06-1B

Start Date: 12/17/2010 14:35 End Date: 12/17/2010 15:21

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ICV 360-67341/1	1		14:35	X																			
ICB 360-67341/2	1		14:36	X																			
CCV 360-67341/3	1		14:58	X																			
CCB 360-67341/4	1		14:59	X																			
MB 360-67325/1-A	1	T	15:00	X																			
LCS 360-67325/2-A	1	T	15:01	X																			
360-31465-13	1	T	15:02	X																			
360-31465-13 MS	1	T	15:03	X																			
360-31465-13 MSD	1	T	15:04	X																			
360-31465-1	1	T	15:06	X																			
360-31465-2	1	T	15:07	X																			
360-31465-3	1	T	15:08	X																			
360-31465-4	1	T	15:09	X																			
CCV 360-67341/15	1		15:09	X																			
CCB 360-67341/16	1		15:10	X																			
360-31465-5	1	T	15:11	X																			
360-31465-6	1	T	15:12	X																			
360-31465-7	1	T	15:13	X																			
360-31465-9	1	T	15:14	X																			
360-31465-10	1	T	15:15	X																			
360-31465-11	1	T	15:16	X																			
360-31465-12	1	T	15:17	X																			
CCV 360-67341/26	1		15:20	X																			
CCB 360-67341/27	1		15:21	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: IC Method: 7199

Start Date: 12/18/2010 11:04 End Date: 12/18/2010 18:22

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			11:04																				
ZZZZZZ			11:11																				
ZZZZZZ			11:18																				
ZZZZZZ			11:26																				
ZZZZZZ			11:33																				
ICV 460-59435/6	1		11:40	X																			
ICB 460-59435/7	1		11:47	X																			
ZZZZZZ			11:55																				
MB 460-59082/1-A ^10	10	T	12:02	X																			
ZZZZZZ			12:09																				
LCSS 460-59082/2-A ^25	25	T	12:17	X																			
LCSI 460-59082/3-A ^500	500	T	12:24	X																			
ZZZZZZ			12:31																				
ZZZZZZ			12:39																				
360-31465-13	10	T	12:46	X																			
ZZZZZZ			12:53																				
360-31465-13 DU	10	T	13:01	X																			
CCV 460-59435/18	1		13:08	X																			
CCB 460-59435/19	1		13:15	X																			
ZZZZZZ			13:23																				
ZZZZZZ			13:30																				
ZZZZZZ			13:37																				
ZZZZZZ			13:45																				
360-31465-1	10	T	13:52	X																			
ZZZZZZ			14:00																				
360-31465-5	10	T	14:07	X																			
ZZZZZZ			14:14																				
360-31465-6	10	T	14:22	X																			
ZZZZZZ			14:29																				
CCV 460-59435/30	1		14:36	X																			
CCB 460-59435/31	1		14:44	X																			
360-31465-7	10	T	14:51	X																			
ZZZZZZ			14:58																				
ZZZZZZ			15:06																				
360-31465-11	10	T	15:13	X																			
360-31465-12	10	T	15:20	X																			
ZZZZZZ			15:27																				
ZZZZZZ			15:35																				
ZZZZZZ			15:42																				
ZZZZZZ			15:49																				
ZZZZZZ			15:56																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: IC Method: 7199

Start Date: 12/18/2010 11:04 End Date: 12/18/2010 18:22

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cr6																				
CCV 460-59435/42	1		16:04	X																				
CCB 460-59435/43	1		16:11	X																				
ZZZZZZ			16:18																					
ZZZZZZ			16:25																					
ZZZZZZ			16:32																					
ZZZZZZ			16:40																					
ZZZZZZ			16:47																					
ZZZZZZ			16:54																					
ZZZZZZ			17:01																					
ZZZZZZ			17:09																					
ZZZZZZ			17:16																					
ZZZZZZ			17:23																					
CCV 460-59435/54	1		17:30	X																				
CCB 460-59435/55	1		17:38	X																				
ZZZZZZ			17:45																					
ZZZZZZ			17:52																					
360-31465-13 PDS	40	T	18:00	X																				
ZZZZZZ			18:07																					
CCV 460-59435/60	1		18:14	X																				
CCB 460-59435/61	1		18:22	X																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: IC Method: 7199

Start Date: 12/20/2010 15:56 End Date: 12/20/2010 23:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			15:56																				
ZZZZZZ			16:03																				
ZZZZZZ			16:10																				
ZZZZZZ			16:18																				
ZZZZZZ			16:25																				
ICV 460-59439/6	1		16:32	X																			
ICB 460-59439/7	1		16:39	X																			
ZZZZZZ			16:46																				
360-31465-13 MSS	10	T	16:53	X																			
ZZZZZZ			17:15																				
360-31465-13 MSI	50	T	17:22	X																			
ZZZZZZ			17:30																				
MB 460-59331/1-A ^10	10	T	17:37	X																			
ZZZZZZ			17:44																				
LCSS 460-59331/2-A ^25	25	T	17:51	X																			
LCSI 460-59331/3-A ^500	500	T	17:59	X																			
ZZZZZZ			18:06																				
CCV 460-59439/18	1		18:13	X																			
CCB 460-59439/19	1		18:21	X																			
ZZZZZZ			18:28																				
360-31465-13	10	T	18:35	X																			
ZZZZZZ			18:42																				
360-31465-13 DU	10	T	18:50	X																			
ZZZZZZ			18:57																				
360-31465-13 MSS	10	T	19:04	X																			
360-31465-13 MSI	50	T	19:12	X																			
ZZZZZZ			19:19																				
360-31465-1	10	T	19:26	X																			
ZZZZZZ			19:34																				
CCV 460-59439/30	1		19:41	X																			
CCB 460-59439/31	1		19:48	X																			
ZZZZZZ			19:55																				
360-31465-5	10	T	20:03	X																			
ZZZZZZ			20:10																				
360-31465-6	10	T	20:17	X																			
ZZZZZZ			20:24																				
360-31465-7	10	T	20:31	X																			
360-31465-11	10	T	20:39	X																			
ZZZZZZ			20:46																				
360-31465-12	10	T	20:53	X																			
ZZZZZZ			21:00																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: IC Method: 7199

Start Date: 12/20/2010 15:56 End Date: 12/20/2010 23:53

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
CCV 460-59439/42	1		21:07	X																			
CCB 460-59439/43	1		21:14	X																			
ZZZZZZ			21:21																				
ZZZZZZ			21:29																				
ZZZZZZ			21:36																				
ZZZZZZ			21:43																				
ZZZZZZ			21:50																				
ZZZZZZ			21:57																				
ZZZZZZ			22:04																				
ZZZZZZ			22:12																				
ZZZZZZ			22:19																				
ZZZZZZ			22:26																				
CCV 460-59439/54	1		22:33	X																			
CCB 460-59439/55	1		22:40	X																			
ZZZZZZ			22:48																				
ZZZZZZ			22:55																				
ZZZZZZ			23:02																				
ZZZZZZ			23:09																				
ZZZZZZ			23:17																				
ZZZZZZ			23:24																				
ZZZZZZ			23:31																				
360-31465-13 PDS	40	T	23:39	X																			
CCV 460-59439/64	1		23:46	X																			
CCB 460-59439/65	1		23:53	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: 9045C

Start Date: 12/21/2010 16:05 End Date: 12/21/2010 16:18

Lab Sample ID	D / F	Type	Time	Analytes																				
				pH																				
MB 460-59560/1	1	T	16:05	X																				
LCS 460-59560/2	1	T	16:06	X																				
360-31465-13	1	T	16:07	X																				
360-31465-13 DU	1	T	16:08	X																				
360-31465-1	1	T	16:09	X																				
360-31465-5	1	T	16:10	X																				
360-31465-7	1	T	16:11	X																				
360-31465-6	1	T	16:12	X																				
360-31465-12	1	T	16:13	X																				
360-31465-11	1	T	16:14	X																				
CCV 460-59560/11	1		16:15	X																				
ZZZZZZ			16:16																					
ZZZZZZ			16:17																					
CCV 460-59560/14			16:18																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 360-31465-1

SDG No.: 360-31465-1

Instrument ID: NOEQUIP Method: SM 2580B

Start Date: 12/21/2010 12:40 End Date: 12/21/2010 12:58

Lab Sample ID	D / F	Type	Time	Analytes																			
				ORP																			
LCS 460-59591/1	1	T	12:40	X																			
360-31465-13	1	S	12:44	X																			
360-31465-13 DU	1	S	12:46	X																			
360-31465-1	1	S	12:48	X																			
360-31465-5	1	S	12:50	X																			
360-31465-6	1	S	12:52	X																			
360-31465-7	1	S	12:54	X																			
360-31465-11	1	S	12:56	X																			
360-31465-12	1	S	12:57	X																			
CCV 460-59591/10	1		12:58	X																			

Prep Types

S = Soluble

T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: Ic Method Reference: 300-28D | 48HR Date of Analytical Run: 12-22-10

Primary Reviewer's Initials & Date: [illegible] 12-23-10 Secondary Reviewer's Initials & Date: [illegible] 12 28 10

Batch Numbers	67625	67626	67628	67629	

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only)
9012 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
9012 (soil): ICV/CCV ±15%: LCS/LCSD **: MS/MSD ±25%: ICB/MB/CCB <RL: MD RPD 35%: MSD/LCSD RPD ≤30%
7196 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196 (soil): ICV/CCV ±15%: LCS/LCSD **: MSS/MSI ±25%: ICB/MB/CCB <RL: MD RPD ≤35%: LCSD RPD ≤30%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or MD ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓ ✓ ✓ ✓			
Were the ICB and CCBs all <RL?	✓ ✓ ✓ ✓			
Were all MB and CCB results <RL for the analytes of interest?	✓ ✓ ✓ ✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓ ✓ ✓ ✓			
Was there an LCS run with every batch of 20 samples or less?	✓ ✓ ✓ ✓			
Was there a MD, LCSD or MSD run with every batch of 20 samples or less?	✓ ✓ ✓ ✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓ ✓ ✓ ✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓ ✓ ✓ ✓			
Were all MD, LCSD and/or MSD %RPDs within acceptable limits for QC recovery?	✓ ✓ ✓ ✓			
Were the raw data points for investigative samples within the working curve range, or if not, were the samples diluted to bring them within this range?	✓ ✓ ✓ ✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?	✓ ✓		✓ ✓	
Were there any holding time violations in this batch?		✓ ✓ ✓ ✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓ ✓ ✓ ✓		
Were any jobs in this batch Level 4? If "Yes" then scan all raw data & place in correct scan folder on the public drive before filing this paperwork.	✓ ✓ ✓	✓ ✓		

** LCS or LCSD must produce a recovery that is within the manufacturer's specified 95% confidence limits, must be matrix matched.

Original Run Filename: OM_12-22-2010_02-24-07PM.OMN created 12/22/2010 2:24:07 PM
Original Run Author's Signature: [EmerichR]
Current Run Filename: OM_12-22-2010_02-24-07PM.OMN last modified 12/23/2010 3:30:59 AM
Current Run Author's Signature: [EmerichR]
Description: Triggered autodilution test

Sample	Cup No.	Channel 1 Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Phosphate-P (mg/L)	Sulfate (mg/L)	Detection Time
RUN IN BLANK	S11	-0.0033	-0.0425	0.0022	0.0026	0.0019	0.0226	0.2430	12/22/2010@2:25:28 PM
	Calibration:	Table/Fig. 3	Table/Fig. 1		Table/Fig. 4	Table/Fig. 2	Table/Fig. 5	Table/Fig. 6	
ICV	1	2.5796	24.2566	2.4233	2.4819	2.4370	2.2533	53.5899	12/22/2010@2:40:35 PM
	Known Conc:	2.5000	25.0000	2.5000	2.5000	2.5000	2.5000	50.0000	
	Calibration:			Table/Fig. 7					
ICB	S11	-0.0033	-0.0342	5.7825e-5	0.0015	0.0023	0.0255	0.2245	12/22/2010@2:55:43 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
MB	S11	-0.0032	-0.0324	0.0023	0.0014	0.0020	0.0200	0.2534	12/22/2010@3:10:49 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S12	4.2338	40.6672	4.1243	4.1063	4.0917	3.9706	81.2369	12/22/2010@3:25:56 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
31672A1	2	-0.0033	-0.5510	-0.0355	0.0014	0.1476	0.0061	4.4902	12/22/2010@3:41:03 PM
31672A1@10	3	-0.0041	0.2815	9.0357e-4	0.0014	-7.3586e-4	0.0217	0.5635	12/22/2010@3:56:09 PM
31672A1@10 MS	4	1.1731	10.4858	1.0860	1.0924	1.0460	0.4481	23.6204	12/22/2010@4:11:16 PM
31672A1@10 MSD	4	1.1753	10.4997	1.0905	1.0951	1.0515	0.4427	23.7571	12/22/2010@4:26:23 PM
31672A2	5	0.5822	67.7733	0.1235	-0.0058	-117.0199	0.0097	1.5481	12/22/2010@4:41:30 PM
31672A2@10	6	0.0548	12.4687	0.0108	0.0011	0.0023	0.0248	0.3288	12/22/2010@4:56:37 PM
31672A3	7	0.0898	15.6813	0.4514	0.0014	-0.2881	0.0224	16.6317	12/22/2010@5:11:43 PM
31672A3@10	8	0.0089	1.4166	0.0470	0.0015	-0.0050	0.0257	1.7560	12/22/2010@5:26:49 PM
31672A4	9	0.2396	0.7748	0.0642	0.0011	8.4164	0.0227	0.2852	12/22/2010@5:41:55 PM
31672A4@10	10	0.0325	3.5572	0.0068	0.0011	-0.0254	0.0215	0.1939	12/22/2010@5:57:01 PM
CCV	S12	4.2656	41.0279	4.1750	4.1370	4.1376	4.0628	81.9506	12/22/2010@6:12:07 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0033	-0.0275	0.0023	0.0014	0.0023	0.0318	0.2338	12/22/2010@6:27:14 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
31672A5	11	0.0121	9.1071	0.0139	0.4726	-0.0432	0.0363	1.4720	12/22/2010@6:42:20 PM
31672A5@10	12	-0.0043	0.8190	0.0011	0.0420	-0.0014	0.0201	0.3337	12/22/2010@6:57:26 PM
31672A6	13	0.2721	4.1000	0.1375	0.0011	10.2156	0.0172	1.0037	12/22/2010@7:12:32 PM
31672A6@10	14	0.0299	5.9661	0.0152	0.0015	0.0023	0.0227	0.2942	12/22/2010@7:27:37 PM
31672A7	15	0.0327	3.7312	0.0207	2.0495	0.0023	0.0164	10.1917	12/22/2010@7:42:43 PM
31672A7@10	16	-0.0033	0.3711	0.0025	0.1913	0.0016	0.0241	1.2315	12/22/2010@7:57:49 PM
31662A1	17	0.0133	6.4813	0.8524	0.2246	-0.0257	0.1038	4.5256	12/22/2010@8:12:56 PM
31662A1@10	18	-0.0037	0.6718	0.0844	0.0243	0.0023	0.0358	0.7774	12/22/2010@8:28:03 PM
31662A2	19	0.0219	4.4357	0.8640	0.0296	0.0023	0.1239	4.3457	12/22/2010@8:43:10 PM
31662A2@10	20	-0.0030	0.3942	0.0848	0.0048	0.0023	0.0358	0.6404	12/22/2010@8:58:17 PM
CCV	S12	4.2859	41.2076	4.1654	4.1403	4.1207	4.0870	82.2032	12/22/2010@9:13:24 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0037	-0.0315	0.0016	0.0014	0.0023	0.0194	0.2506	12/22/2010@9:28:31 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
MB	S11	-0.0033	-0.0306	0.0019	0.0017	0.0015	0.0285	0.2830	12/22/2010@9:43:37 PM

	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S12	4.2782	**41.2201**	4.1841	4.1307	4.0970	4.1229	**82.2217**	**12/22/2010@9:58:44 PM**
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-31465-O-1-B	21	0.0099	**6.8933**	0.1460	0.0180	-0.0270	0.0137	**31.9777**	**12/22/2010@10:13:51 PM**
360-31465-D-2-C	22	-0.0019	**6.0143**	0.0629	0.0204	0.0023	0.0915	**4.4596**	**12/22/2010@10:28:58 PM**
360-31465-D-3-C	23	0.0035	**3.2081**	0.0628	0.0205	0.0023	0.0366	**5.9971**	**12/22/2010@10:44:04 PM**
360-31465-D-4-C	24	0.0147	**6.3424**	0.6158	0.0252	-0.0300	0.0336	**13.4531**	**12/22/2010@10:59:10 PM**
360-31465-G-5-B	25	0.0117	**8.1589**	0.0555	0.1364	-0.0300	0.0169	**37.2899**	**12/22/2010@11:14:16 PM**
360-31465-G-6-B	26	0.0122	**4.9256**	0.3416	0.0174	6.2284e-4	0.0442	**27.6753**	**12/22/2010@11:29:22 PM**
360-31465-G-7-C	27	0.0067	**4.1467**	0.1626	0.0260	0.0391	0.0378	**16.6309**	**12/22/2010@11:44:27 PM**
360-31465-A-9-E	28	0.0115	**6.7718**	0.0476	0.0160	0.0023	0.0182	**18.5471**	**12/22/2010@11:59:33 PM**
360-31465-A-10-E	29	-7.1815e-4	**3.4828**	0.0408	0.0732	0.0023	0.0186	**10.5632**	**12/23/2010@12:14:38 AM**
360-31465-A-11-E	30	0.0201	**7.1111**	0.0695	0.0153	0.0023	0.0207	**44.4133**	**12/23/2010@12:29:44 AM**
CCV	S12	4.2704	**41.3223**	4.1845	4.1217	4.0660	4.0768	**82.4985**	**12/23/2010@12:44:50 AM**
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0069	**-0.0355**	0.0022	0.0014	0.0023	0.0192	**0.2328**	**12/23/2010@12:59:57 AM**
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
360-31465-A-12-F	31	0.0135	**2.5999**	0.3232	0.0181	0.0023	0.0336	**29.6801**	**12/23/2010@1:15:04 AM**
360-31465-A-13-P	32	0.0140	**2.3634**	0.2944	0.0136	0.0023	0.0135	**43.4670**	**12/23/2010@1:30:11 AM**
360-31465-A-13-Q MS	33	1.1589	**13.4094**	1.4004	1.0775	1.0434	0.2726	**67.4208**	**12/23/2010@1:45:18 AM**
360-31465-A-13-R MSD	33	1.1588	**13.4162**	1.3932	1.0766	1.0441	0.2898	**67.4648**	**12/23/2010@2:00:25 AM**
360-31518-D-1-H	34	-0.0033	**10.5658**	0.0280	0.0172	0.0023	0.0365	**1.3222**	**12/23/2010@2:15:31 AM**
360-31518-E-2-A	35	0.0110	**17.1554**	0.0172	0.0168	0.0023	0.0180	**1.5470**	**12/23/2010@2:30:38 AM**
360-31660-A-1-A	36	0.0641	**9.9719**	0.0220	0.0161	0.0023	-0.0193	**0.4672**	**12/23/2010@2:45:45 AM**
CCV	S12	4.2155	**41.4971**	4.1831	4.0975	4.0736	4.0127	**82.7333**	**12/23/2010@3:00:52 AM**
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0036	**-0.0359**	0.0022	0.0016	0.0022	0.0174	**0.2230**	**12/23/2010@3:15:58 AM**
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Original Run Filename: OM_12-22-2010_02-24-07PM.OMN created 12/22/2010 2:24:07 PM
Original Run Author's Signature: [EmerichR]
Current Run Filename: OM_12-22-2010_02-24-07PM.OMN last modified 12/23/2010 3:30:59 AM
Current Run Author's Signature: [EmerichR]
Description: Triggered autodilution test

Sample	Cup No.	Channel 1 Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Phosphate-P (mg/L)	Sulfate (mg/L)	Detection Time
RUN IN BLANK	S11	-0.0033	-0.0425	0.0022	0.0026	0.0019	0.0226	0.2430	12/22/2010@2:25:28 PM
	Calibration:	Table/Fig. 3	Table/Fig. 1		Table/Fig. 4	Table/Fig. 2	Table/Fig. 5	Table/Fig. 6	
ICV	1	2.5796	24.2566	2.4233	2.4819	**2.4370**	2.2533	53.5899	12/22/2010@2:40:35 PM
	Known Conc:	2.5000	25.0000	2.5000	2.5000	2.5000	2.5000	50.0000	
	Calibration:			Table/Fig. 7					
ICB	S11	-0.0033	-0.0342	5.7825e-5	0.0015	**0.0023**	0.0255	0.2245	12/22/2010@2:55:43 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
MB	S11	-0.0032	-0.0324	0.0023	0.0014	**0.0020**	0.0200	0.2534	12/22/2010@3:10:49 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S12	4.2338	40.6672	4.1243	4.1063	**4.0917**	3.9706	81.2369	12/22/2010@3:25:56 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
31672A1	2	-0.0033	-0.5510	-0.0355	0.0014	0.1476	0.0061	4.4902	12/22/2010@3:41:03 PM
31672A1@10	3	-0.0041	0.2815	9.0357e-4	0.0014	-7.3586e-4	0.0217	0.5635	12/22/2010@3:56:09 PM
31672A1@10 MS	4	1.1731	10.4858	1.0860	1.0924	1.0460	0.4481	23.6204	12/22/2010@4:11:16 PM
31672A1@10 MSD	4	1.1753	10.4997	1.0905	1.0951	1.0515	0.4427	23.7571	12/22/2010@4:26:23 PM
31672A2	5	0.5822	67.7733	0.1235	-0.0058	-117.0199	0.0097	1.5481	12/22/2010@4:41:30 PM
31672A2@10	6	0.0548	12.4687	0.0108	0.0011	0.0023	0.0248	0.3288	12/22/2010@4:56:37 PM
31672A3	7	0.0898	15.6813	0.4514	0.0014	-0.2881	0.0224	16.6317	12/22/2010@5:11:43 PM
31672A3@10	8	0.0089	1.4166	0.0470	0.0015	-0.0050	0.0257	1.7560	12/22/2010@5:26:49 PM
31672A4	9	0.2396	0.7748	0.0642	0.0011	8.4164	0.0227	0.2852	12/22/2010@5:41:55 PM
31672A4@10	10	0.0325	3.5572	0.0068	0.0011	-0.0254	0.0215	0.1939	12/22/2010@5:57:01 PM
CCV	S12	4.2656	41.0279	4.1750	4.1370	4.1376	4.0628	81.9506	12/22/2010@6:12:07 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0033	-0.0275	0.0023	0.0014	0.0023	0.0318	0.2338	12/22/2010@6:27:14 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
31672A5	11	0.0121	9.1071	0.0139	0.4726	-0.0432	0.0363	1.4720	12/22/2010@6:42:20 PM
31672A5@10	12	-0.0043	0.8190	0.0011	0.0420	-0.0014	0.0201	0.3337	12/22/2010@6:57:26 PM
31672A6	13	0.2721	4.1000	0.1375	0.0011	10.2156	0.0172	1.0037	12/22/2010@7:12:32 PM
31672A6@10	14	0.0299	5.9661	0.0152	0.0015	0.0023	0.0227	0.2942	12/22/2010@7:27:37 PM
31672A7	15	0.0327	3.7312	0.0207	2.0495	0.0023	0.0164	10.1917	12/22/2010@7:42:43 PM
31672A7@10	16	-0.0033	0.3711	0.0025	0.1913	0.0016	0.0241	1.2315	12/22/2010@7:57:49 PM
31662A1	17	0.0133	6.4813	0.8524	0.2246	-0.0257	0.1038	4.5256	12/22/2010@8:12:56 PM
31662A1@10	18	-0.0037	0.6718	0.0844	0.0243	0.0023	0.0358	0.7774	12/22/2010@8:28:03 PM
31662A2	19	0.0219	4.4357	0.8640	0.0296	0.0023	0.1239	4.3457	12/22/2010@8:43:10 PM
31662A2@10	20	-0.0030	0.3942	0.0848	0.0048	0.0023	0.0358	0.6404	12/22/2010@8:58:17 PM
CCV	S12	4.2859	41.2076	4.1654	4.1403	**4.1207**	4.0870	82.2032	12/22/2010@9:13:24 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0037	-0.0315	0.0016	0.0014	**0.0023**	0.0194	0.2506	12/22/2010@9:28:31 PM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
MB	S11	-0.0033	-0.0306	0.0019	**0.0017**	**0.0015**	0.0285	0.2830	12/22/2010@9:43:37 PM

	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S12	4.2782	41.2201	4.1841	4.1307	4.0970	4.1229	82.2217	12/22/2010@9:58:44 PM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-31465-O-1-B	21	0.0099	6.8933	0.1460	0.0180	-0.0270	0.0137	31.9777	12/22/2010@10:13:51 PM
360-31465-D-2-C	22	-0.0019	6.0143	0.0629	0.0204	0.0023	0.0915	4.4596	12/22/2010@10:28:58 PM
360-31465-D-3-C	23	0.0035	3.2081	0.0628	0.0205	0.0023	0.0366	5.9971	12/22/2010@10:44:04 PM
360-31465-D-4-C	24	0.0147	6.3424	0.6158	0.0252	-0.0300	0.0336	13.4531	12/22/2010@10:59:10 PM
360-31465-G-5-B	25	0.0117	8.1589	0.0555	0.1364	-0.0300	0.0169	37.2899	12/22/2010@11:14:16 PM
360-31465-G-6-B	26	0.0122	4.9256	0.3416	0.0174	6.2284e-4	0.0442	27.6753	12/22/2010@11:29:22 PM
360-31465-G-7-C	27	0.0067	4.1467	0.1626	0.0260	0.0391	0.0378	16.6309	12/22/2010@11:44:27 PM
360-31465-A-9-E	28	0.0115	6.7718	0.0476	0.0160	0.0023	0.0182	18.5471	12/22/2010@11:59:33 PM
360-31465-A-10-E	29	-7.1815e-4	3.4828	0.0408	0.0732	0.0023	0.0186	10.5632	12/23/2010@12:14:38 AM
360-31465-A-11-E	30	0.0201	7.1111	0.0695	0.0153	0.0023	0.0207	44.4133	12/23/2010@12:29:44 AM
CCV	S12	4.2704	41.3223	4.1845	4.1217	4.0660	4.0768	82.4985	12/23/2010@12:44:50 AM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0069	-0.0355	0.0022	0.0014	0.0023	0.0192	0.2328	12/23/2010@12:59:57 AM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
360-31465-A-12-F	31	0.0135	2.5999	0.3232	0.0181	0.0023	0.0336	29.6801	12/23/2010@1:15:04 AM
360-31465-A-13-P	32	0.0140	2.3634	0.2944	0.0136	0.0023	0.0135	43.4670	12/23/2010@1:30:11 AM
360-31465-A-13-Q MS	33	1.1589	13.4094	1.4004	1.0775	1.0434	0.2726	67.4208	12/23/2010@1:45:18 AM
360-31465-A-13-R MSD	33	1.1588	13.4162	1.3932	1.0766	1.0441	0.2898	67.4648	12/23/2010@2:00:25 AM
360-31518-D-1-H	34	-0.0033	10.5658	0.0280	0.0172	0.0023	0.0365	1.3222	12/23/2010@2:15:31 AM
360-31518-E-2-A	35	0.0110	17.1554	0.0172	0.0168	0.0023	0.0180	1.5470	12/23/2010@2:30:38 AM
360-31660-A-1-A	36	0.0641	9.9719	0.0220	0.0161	0.0023	-0.0193	0.4672	12/23/2010@2:45:45 AM
CCV	S12	4.2155	41.4971	4.1831	4.0975	4.0736	4.0127	82.7333	12/23/2010@3:00:52 AM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
CCB	S11	-0.0036	-0.0359	0.0022	0.0016	0.0022	0.0174	0.2230	12/23/2010@3:15:58 AM
	Known Conc:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67495 Analyst: Stewart, Alyse M Batch Open: 12/21/2010 4:20:29PM

Method Code: 360-DI_LEACH-360 Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Dlv Rank	Comments	Output Sample Lab ID
1	MB~360-67495/1 N/A	N/A		10 g	100 mL	N/A	N/A	N/A		
2	LCS~360-67495/2 N/A	N/A		10 g	100 mL	N/A	N/A	N/A		
3	360-31465-O-1 (300.0_28D)	360-31465-1	Solid	10.25 g	100 mL	12/23/10	9_Days - R	4		
	360-31465-D-2 (300.0_28D)	360-31465-1	Solid	10.00 g	100 mL	12/23/10	9_Days - R	4		
	360-31465-D-3 (300.0_28D)	360-31465-1	Solid	10.29 g	100 mL	12/23/10	9_Days - R	4		
	360-31465-D-4 (300.0_28D)	360-31465-1	Solid	10.01 g	100 mL	12/23/10	9_Days - R	4		
	360-31465-G-5 (300.0_28D)	360-31465-1	Solid	10.17 g	100 mL	12/23/10	9_Days - R	4		
8	360-31465-G-6 (300.0_28D)	360-31465-1	Solid	10.24 g	100 mL	12/23/10	9_Days - R	4		
9	360-31465-G-7 (300.0_28D)	360-31465-1	Solid	10.24 g	100 mL	12/23/10	9_Days - R	4		
10	360-31465-A-9 (300.0_28D)	360-31465-1	Solid	10.33 g	100 mL	12/23/10	9_Days - R	4		
11	360-31465-A-10 (300.0_28D)	360-31465-1	Solid	10.27 g	100 mL	12/23/10	9_Days - R	4		
12	360-31465-A-11 (300.0_28D)	360-31465-1	Solid	10.33 g	100 mL	12/23/10	9_Days - R	4		
13	360-31465-A-12 (300.0_28D)	360-31465-1	Solid	10.14 g	100 mL	12/23/10	9_Days - R	4		
14	360-31465-A-13 (300.0_28D)	360-31465-1	Solid	10.34 g	100 mL	12/23/10	9_Days - R	4		

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01/13/2011

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67495 Analyst: Stewart, Alyse M Batch Open: 12/21/2010 4:20:29PM

Method Code: 360-DI_LEACH-360 Batch End:

15	360-31465-A-13~MS (300.0_28D)	360-31465-1	Solid	10.34 g	100 mL	12/23/10	9_Days - R	4	
16	360-31465-A-13~MSD (300.0_28D)	360-31465-1	Solid	10.34 g	100 mL	12/23/10	9_Days - R	4	
17	360-31518-D-1 (300.0_28D)	360-31518-1	Solid	10.03 g	100 mL	12/28/10	9_Days - R	4	
18	360-31518-E-2 (300.0_28D)	360-31518-1	Solid	15.20 g	100 mL	12/28/10	9_Days - R	4	
19	360-31660-A-1 (300_48HR)	N/A	Solid	10.51 g	100 mL	1/6/11	9_Days - R	1	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67495 Analyst: Stewart, Alyse M Batch Open: 12/21/2010 4:20:29PM

Method Code: 360-DI_LEACH-360 Batch End:

Batch Notes

Balance ID p602095003

Blank Soil Lot Number

Batch Comment

Comments

Login Comments for Job 31465: MCP/TICS on all 8260/8270/Level 4/need dilution log attached to data/client needs executive summary page in all reports. Samples #1, 5-7, 12 and 13 need DPA.

Login Comments for Job 31518: MCP/TICS on all 8260/8270/Level 4/need dilution log attached to data/client needs executive summary page in all reports.

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67495

Method Code: 360-DI_LEACH-360

Analyst: Stewart, Alyse M

Batch Open: 12/21/2010 4:20:29PM

Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-67495/2	W10KLCS002_00001	100 mL	100 mL		
360-31465-A-13 MS	W10ESTK001_00001	1000 uL	100 mL		
360-31465-A-13 MSD	W10ESTK001_00001	1000 uL	100 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

QC Source Data Sheet—Inorganics Dept

Method (circle each): IC 300_28D IC 300_48HR IC 9056_28D IC 9056_48HR

Date of Analytical Run: 12-22-10 Analyst's Initials: [illegible]

QC Source Type	Manufacturer & Lot Number or Lab ID Source Code
Working Curve Standard	Prepared on 11 Nov 2010 by RWE
LCS/LCSD	W10KLCS002
ICV	STLMA-ICAL-3 Lot #D2-MEB345100 (W10IICV001_00001)
CCV	W10KLCS002
MS/MSD	STLMA-ICAL-5 Lot #C2-MEB291064 (W10ESTK001_00001)

QC Standard True Values for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.50	25.0	2.50	2.50	2.50	50.0
ICB	0	0	0	0	0	0
MB	0	0	0	0	0	0
LCS/LCSD	4.00	40.0	4.00	4.00	4.00	80.0
MS/MSD	1.00	10.0	1.00	1.00	1.00	20.0

QC Standard Acceptable Recovery Ranges for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.25-2.75	22.5-27.5	2.25-2.75	2.25-2.75	2.25-2.75	45.0-55.0
ICB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
MB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
LCS/LCSD	3.40-4.60	34.0-46.0	3.40-4.60	3.40-4.60	3.40-4.60	68.0-92.0
MS/MSD	0.75-1.25	7.50-12.5	0.75-1.25	0.75-1.25	0.75-1.25	15.0-25.0

Current Method RLs (mg/L):

	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
	0.10	1.00	0.010	0.10	0.050	2.0

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Eluent Preparation Log

TestAmerica ~ 53 Southampton Rd ~ Westfield MA 01085

Prepare fresh daily; makes 3L of eluent. To make: in a one-gallon plastic container, mix:

- 60.0 mL of 100*M* $NaHCO_3$;
- 78.0 mL of 100*M* Na_2CO_3; and
- 2862 mL of deionized water.

Degas with helium for 3min before use.

Date Prepared	Analyst's Initials	Lot # 100*M* $NaHCO_3$	Lot # 100*M* Na_2CO_3	Number of Portions Prepared
11-18-10	RLE	W10K RGT011	W10K RGT010	2
11-22-10	RLE	↓	↓	2
11-24-10	RLE	↓	↓	1
11-30-10	RLE	↓	↓	1
12-2-10	RLE	↓	↓	1
12-3-10	RLE	↓	↓	1
12-7-10	RLE	↓	↓	1
12-9-10	RLE	↓	↓	1
12-10-10	RLE	↓	↓	1
12-14-10	RLE	↓	↓	1
12-15-10	RLE	↓	↓	1
12-17-10	RLE	↓	W10L RGT007	1
12-20-10	RLE	↓	↓	1
12-22-10	RLE	↓	↓	1

√RLE 12-3-10

0.25 *M* Sulfuric Acid Creation Log

TestAmerica ~ 53 Southampton Rd ~ Westfield MA 01085

Record the information below for creating the acid. When an entry is made do not use arrows to fill in information. All entries must be complete.

Recipe: to 2958mL of deionized water in a 1 gallon jug add 42mL of concentrated H_2SO_4 for a total volume of 3L.

Date Made	Analyst's Initials	Volume of 0.25 *M* Acid Made (L)	Source: Concentrated Sulfuric Acid (ACS grade) Manufacturer & Lot Number
11-4-10	RHE	3	Baker lot # J22026
11-5-10	RHE	3	
11-8-10	RHE	3	
11-11-10	RHE	3	
11-18-10	RHE	6	
11-22-10	RHE	3	
11-23-10	RHE	3	
11-30-10	RHE	3	
12-3-10	RHE	3	
12-7-10	RHE	3	
12-10-10	RHE	3	
12-14-10	RHE	3	
12-20-10	RHE	3	Baker lot # J25038

√RHE 12-3-10

3

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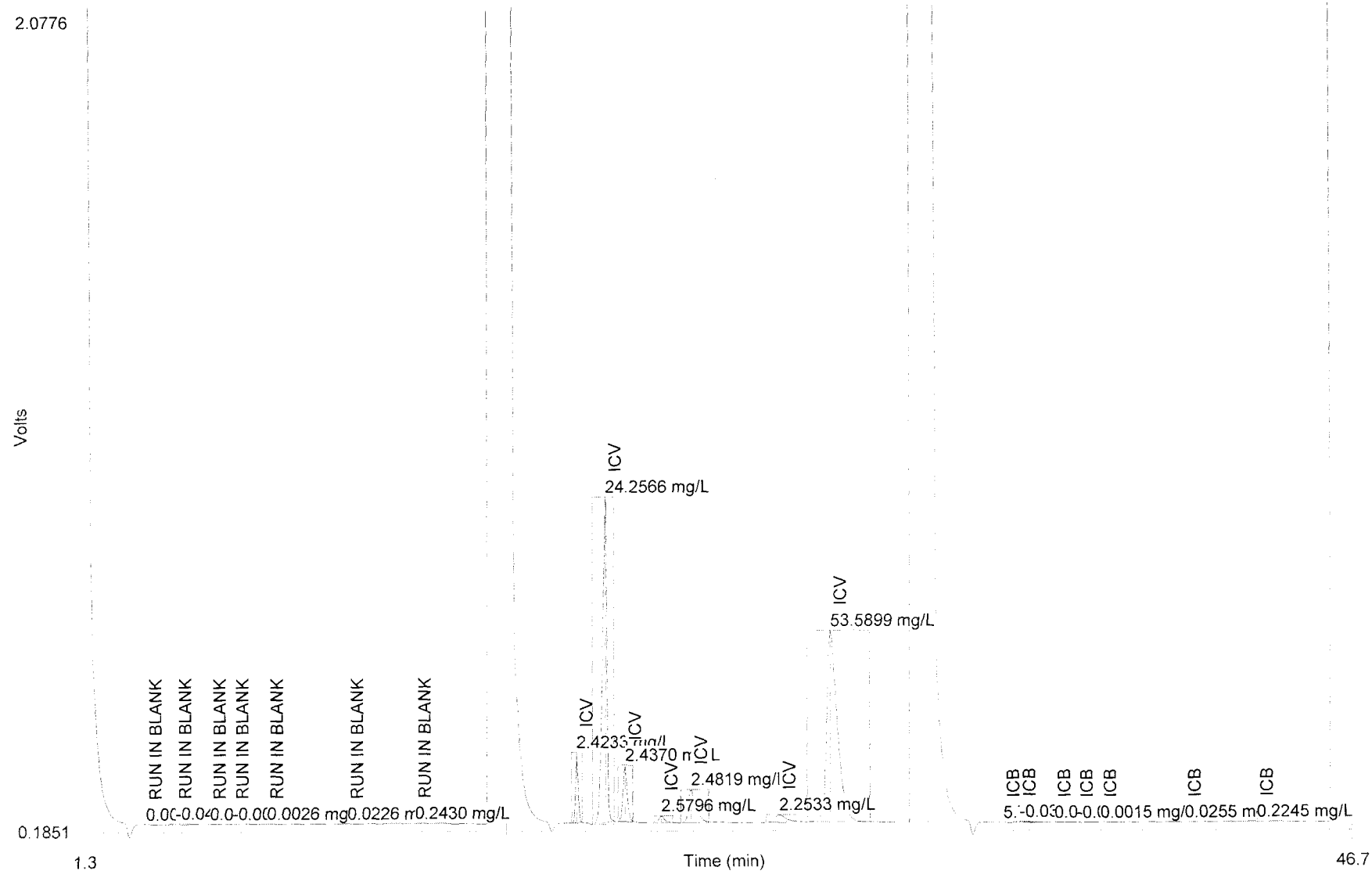

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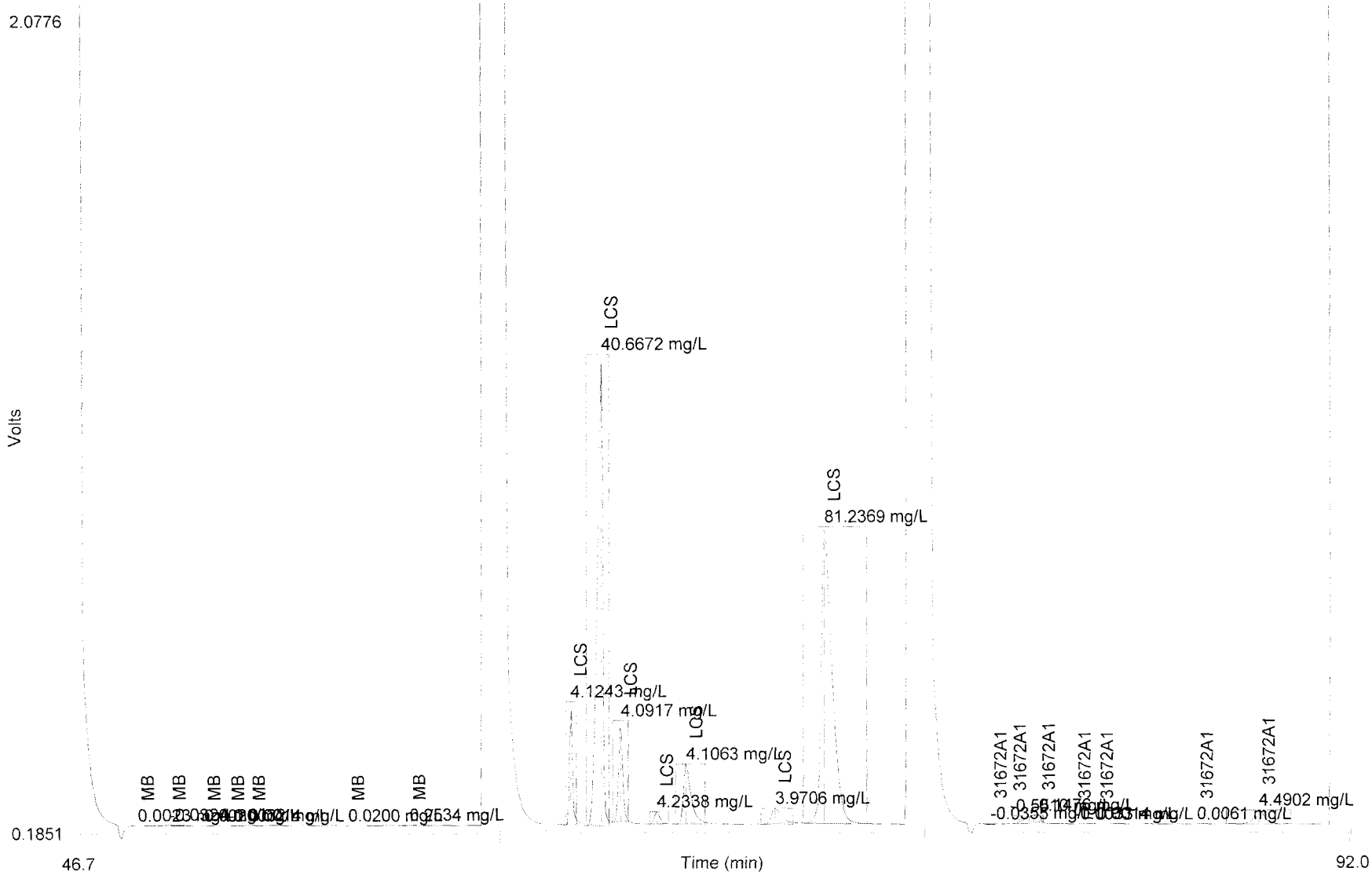

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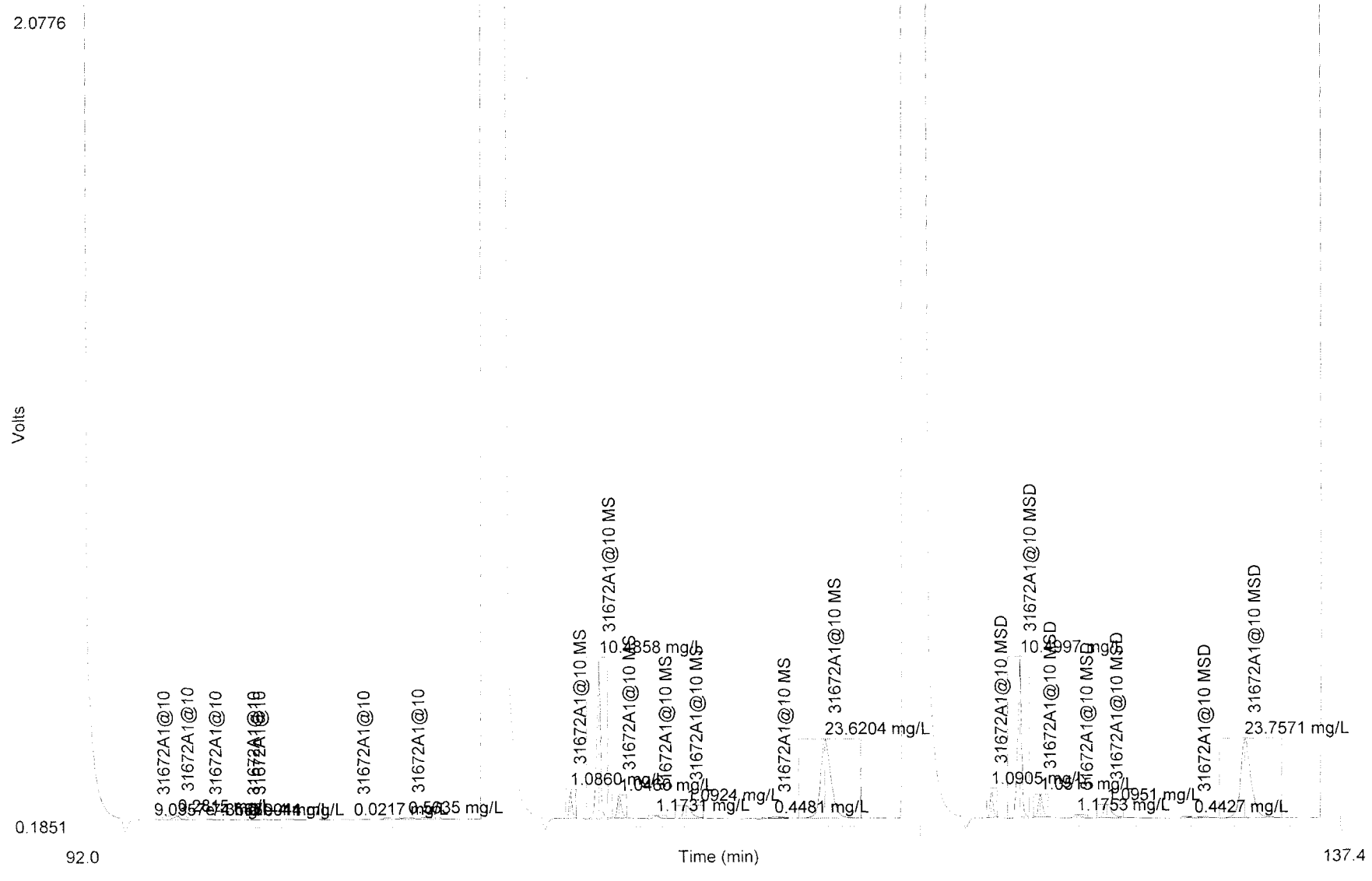

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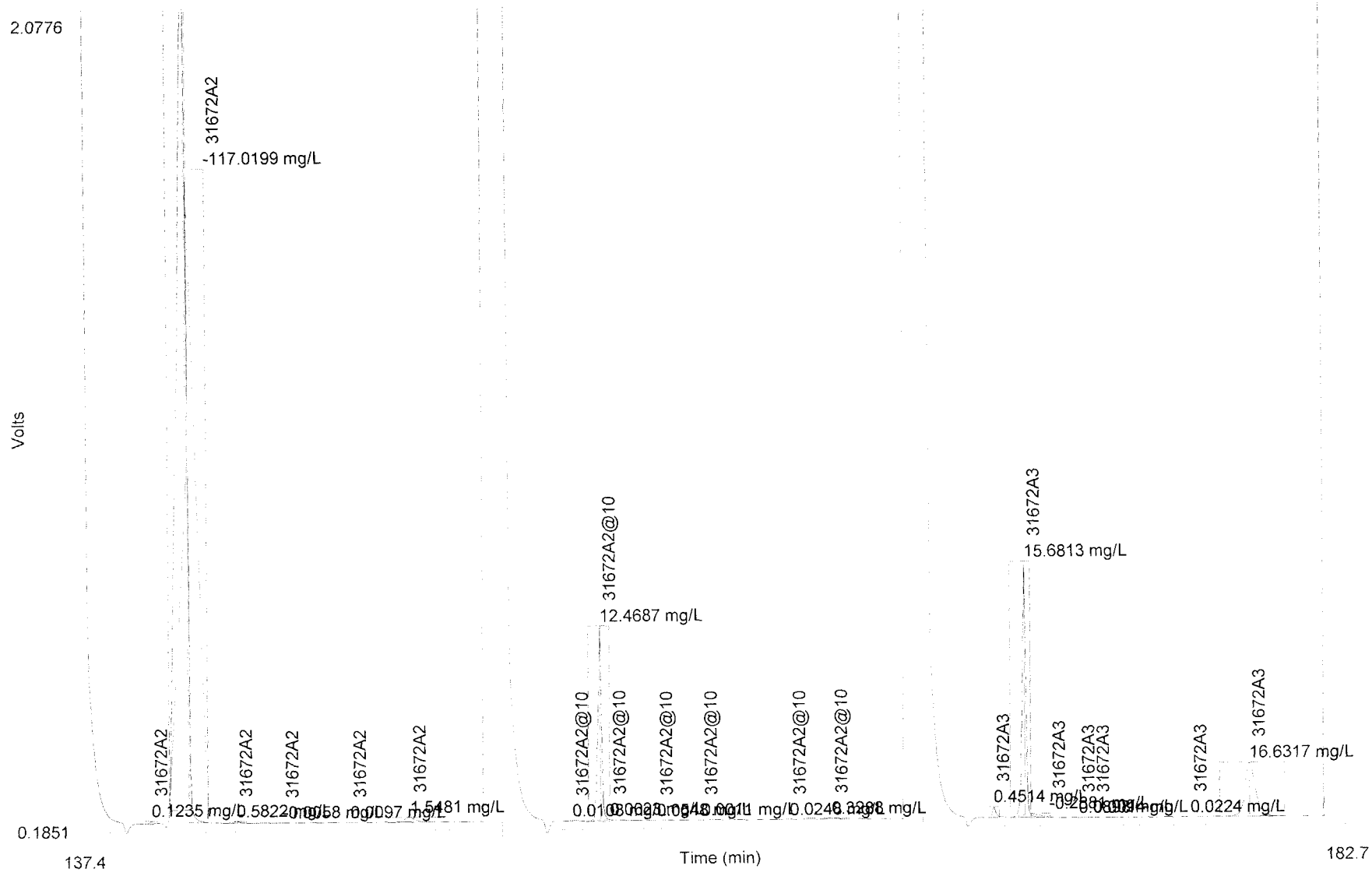

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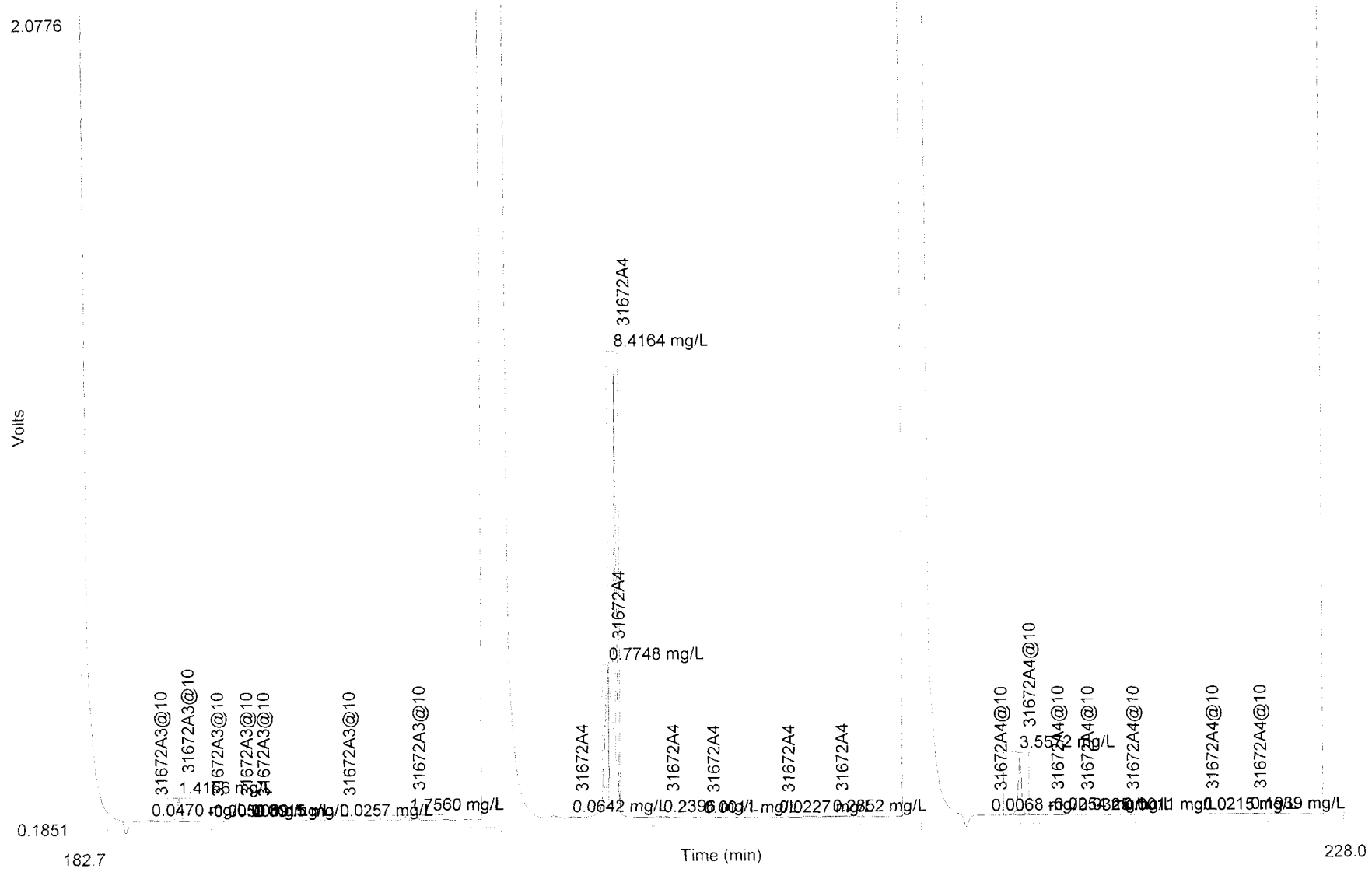

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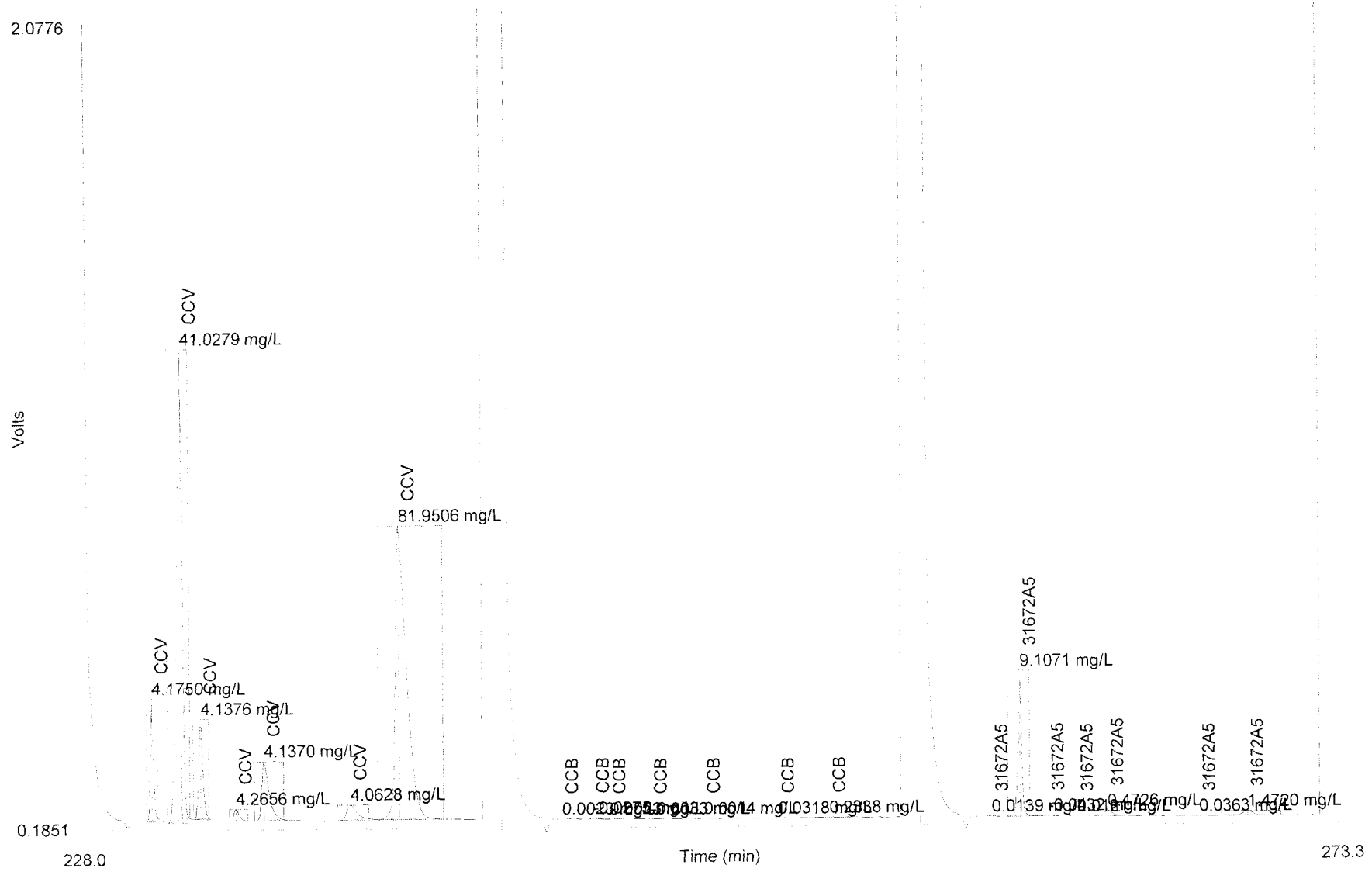

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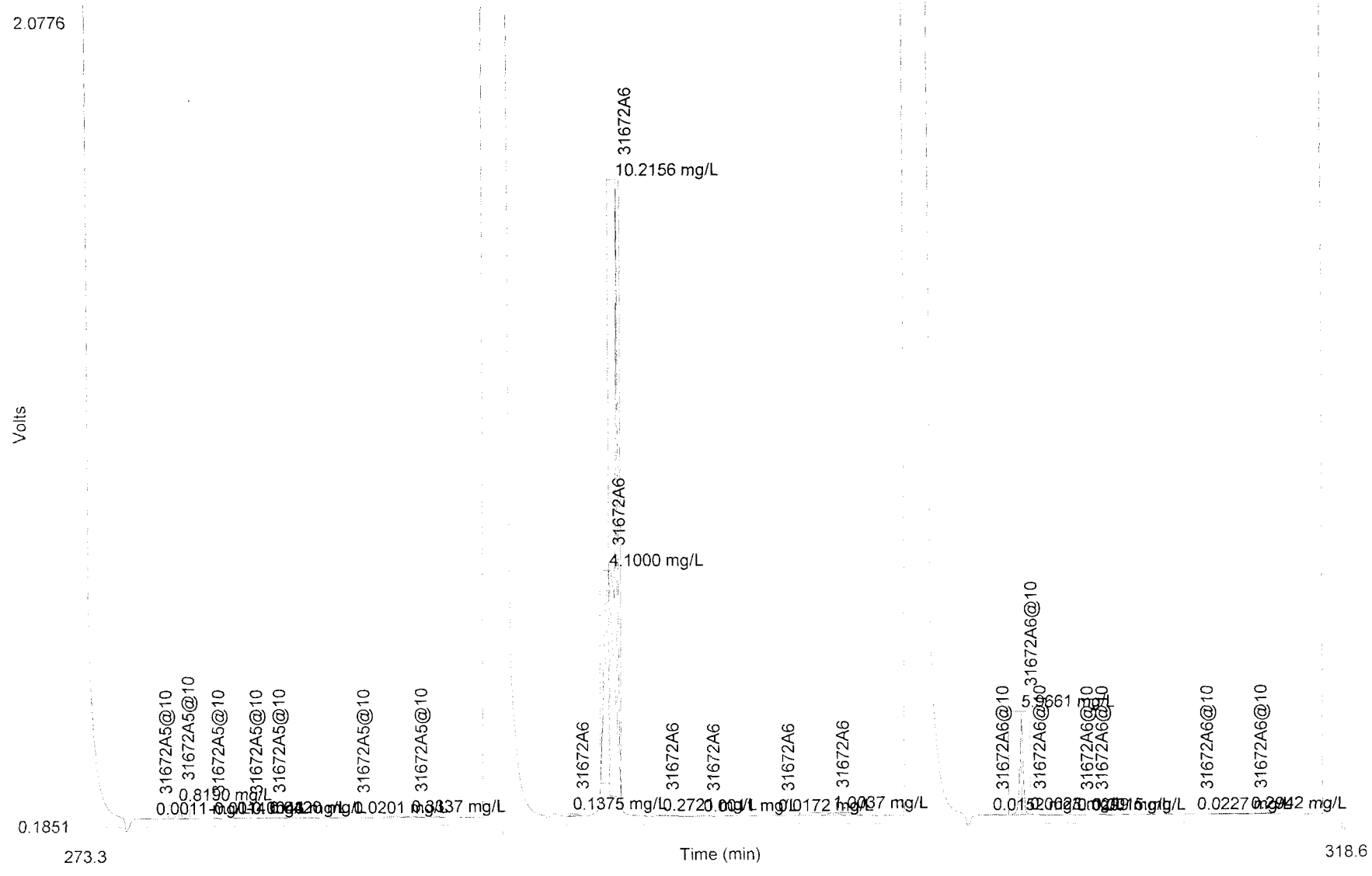

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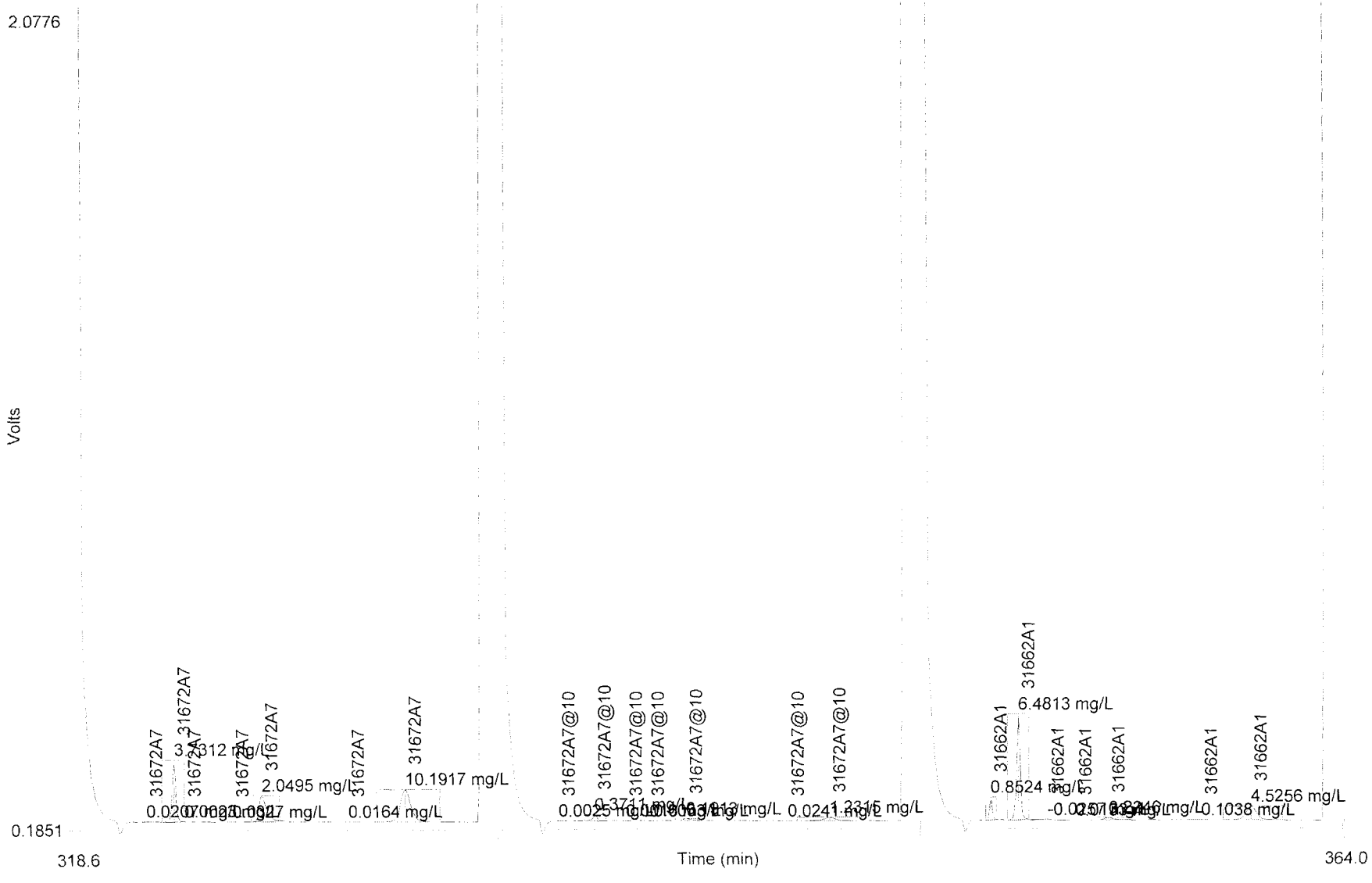

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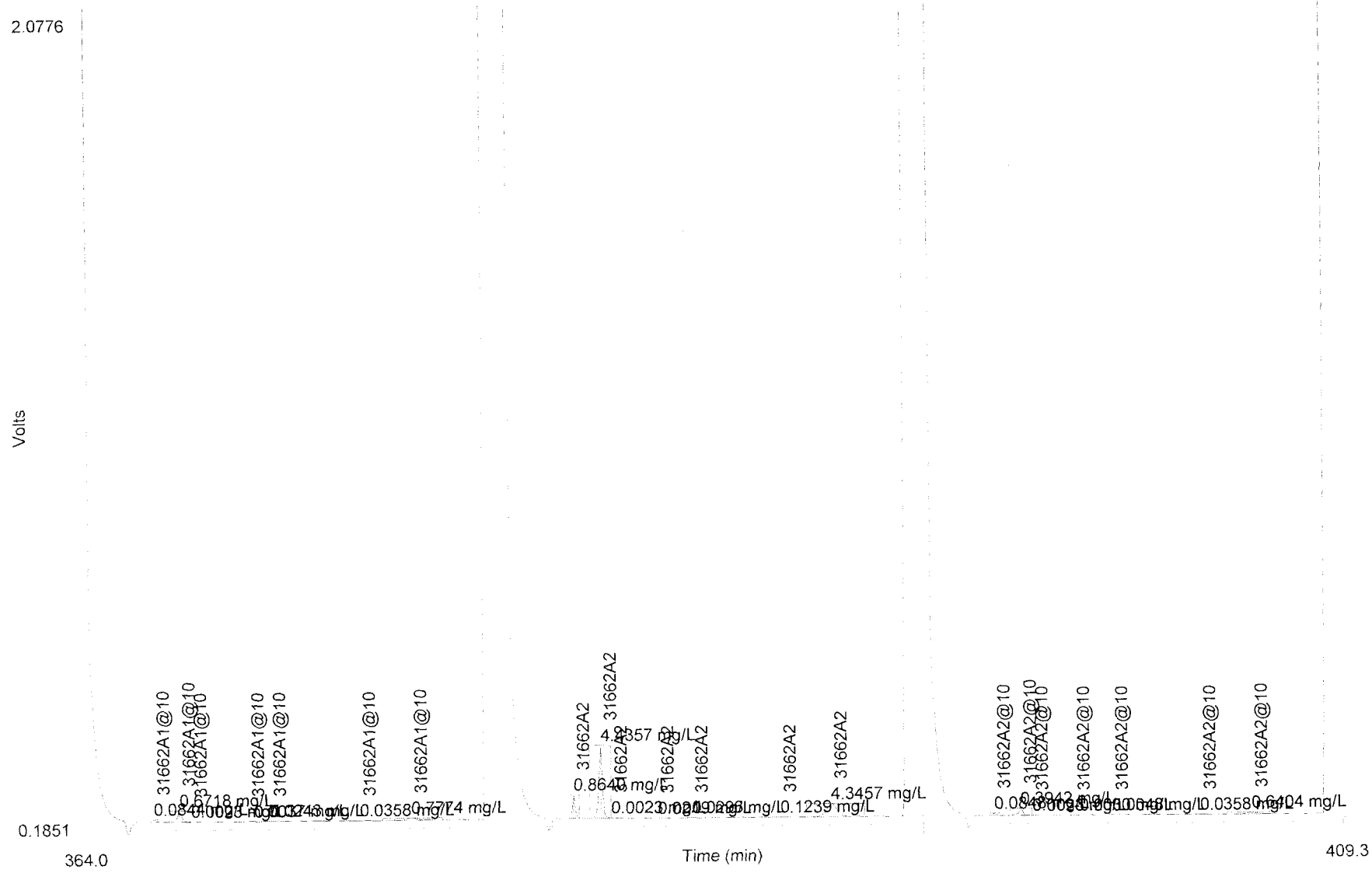

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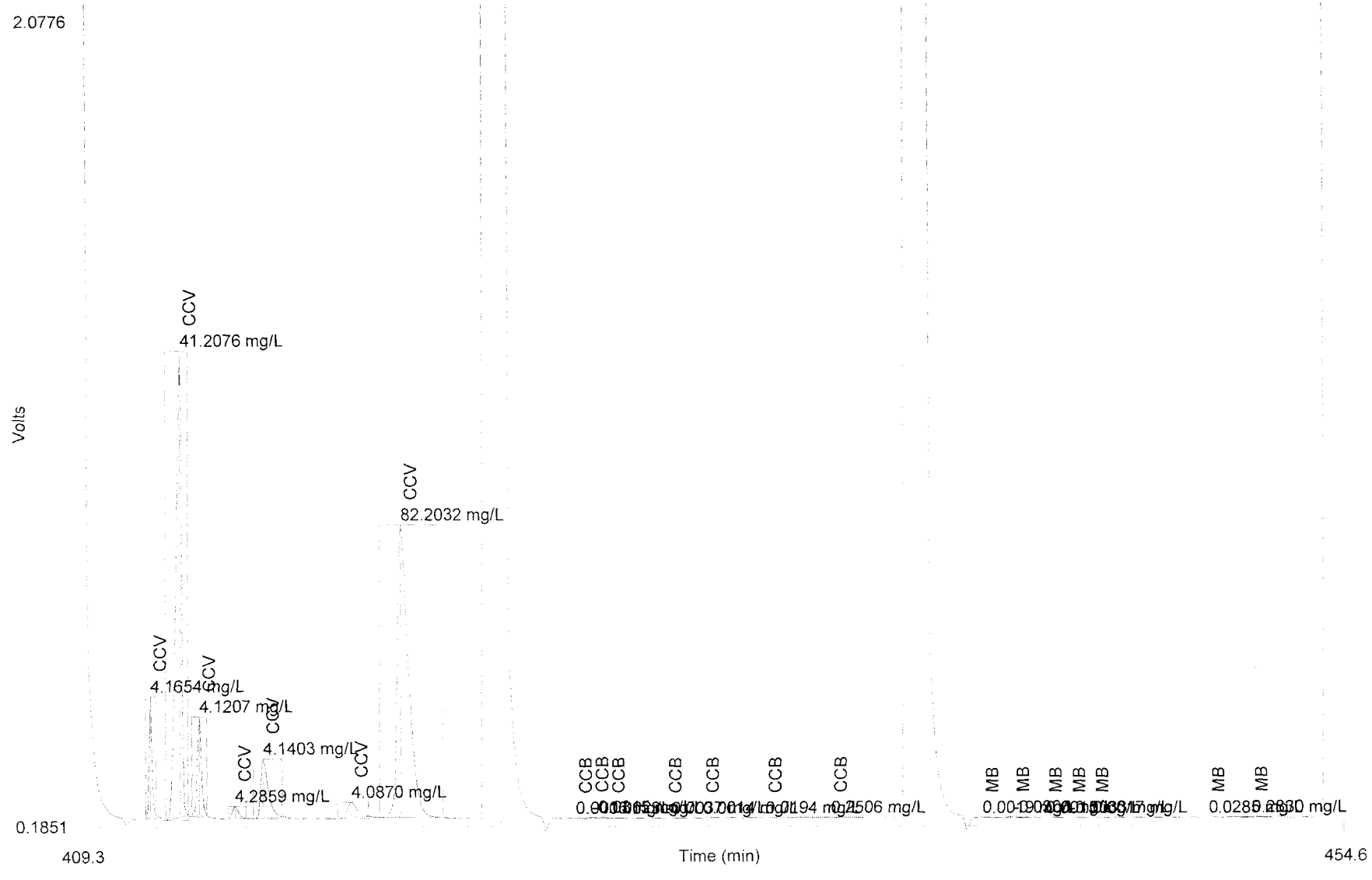

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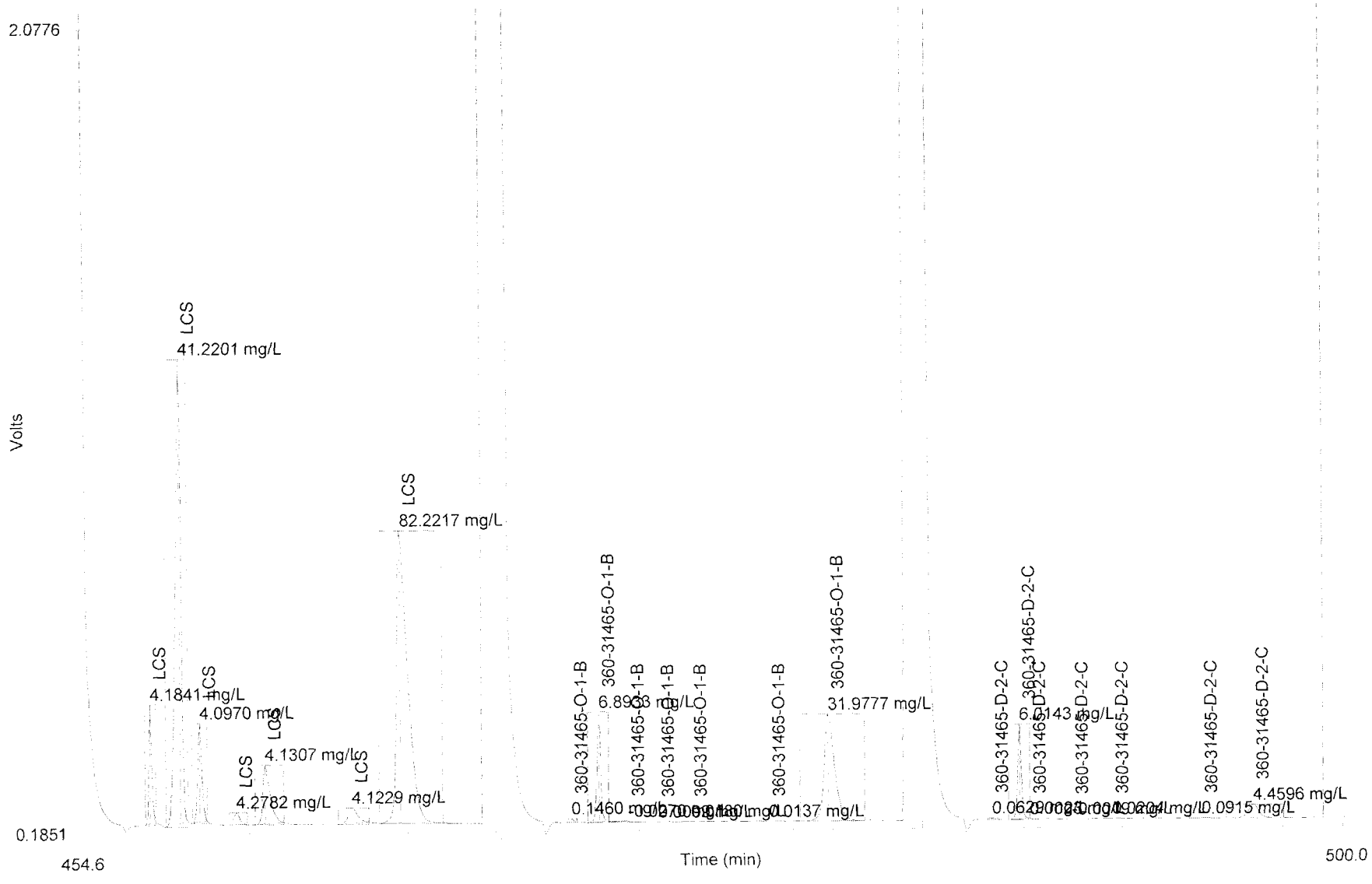

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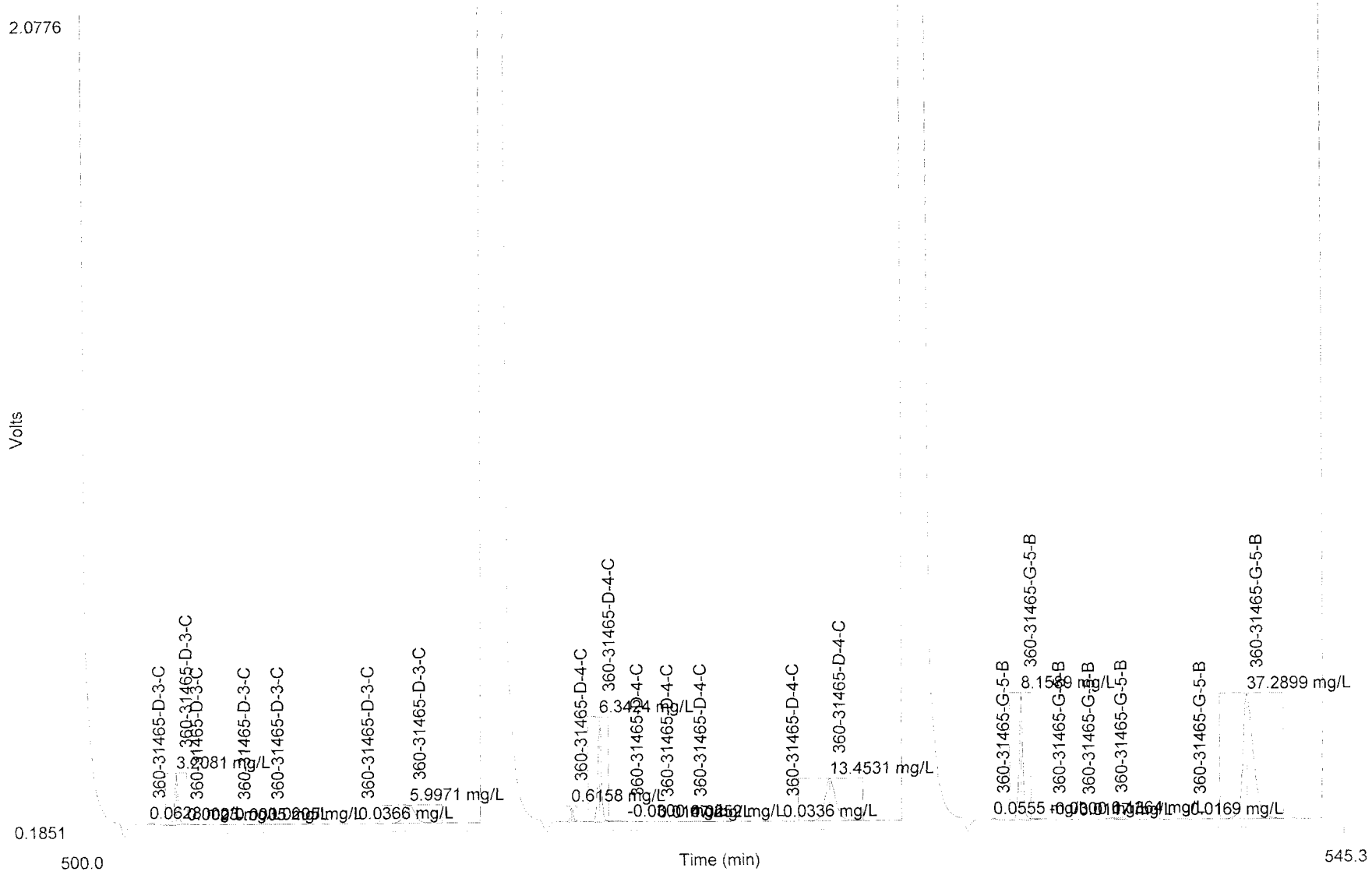

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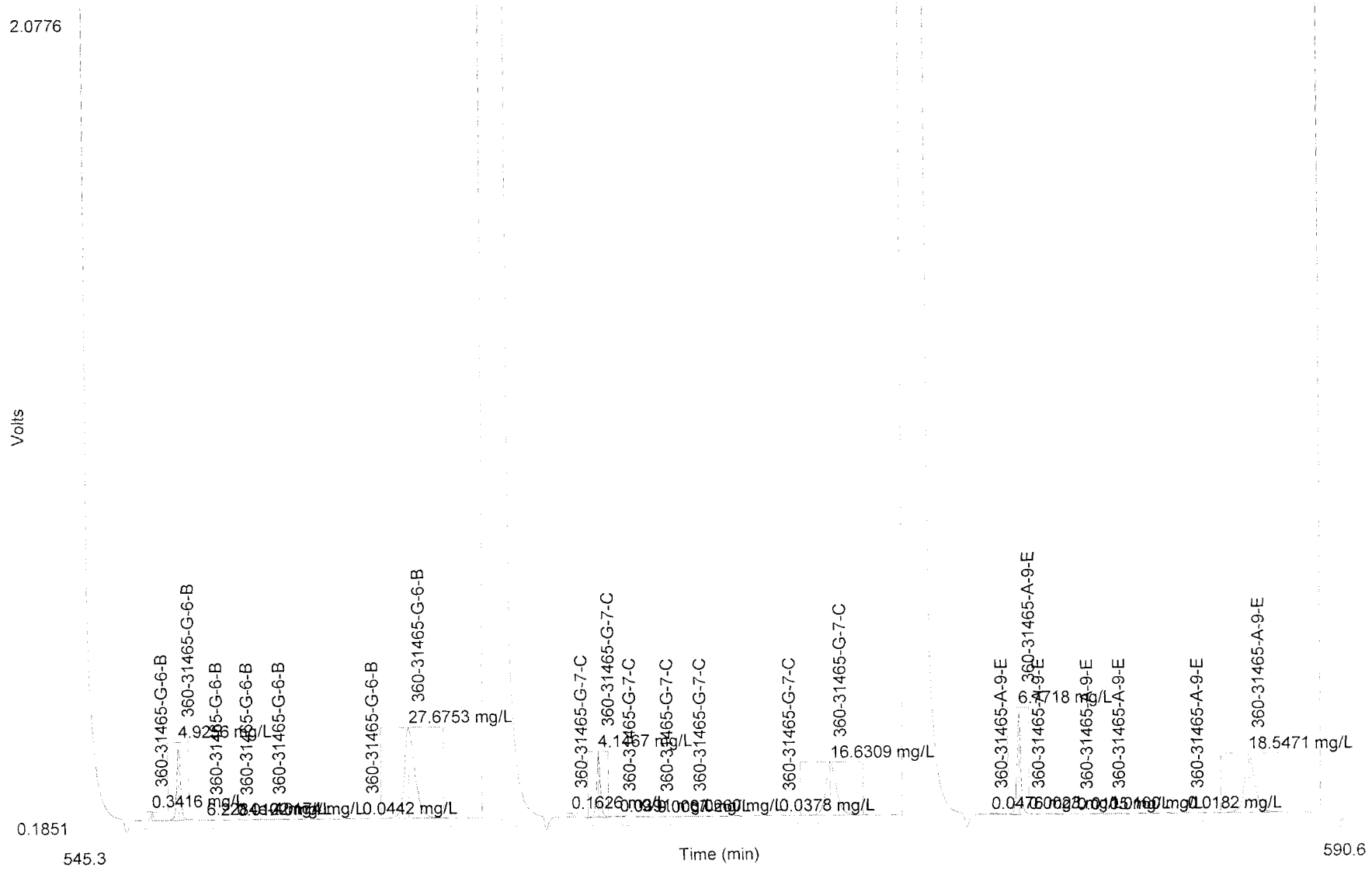

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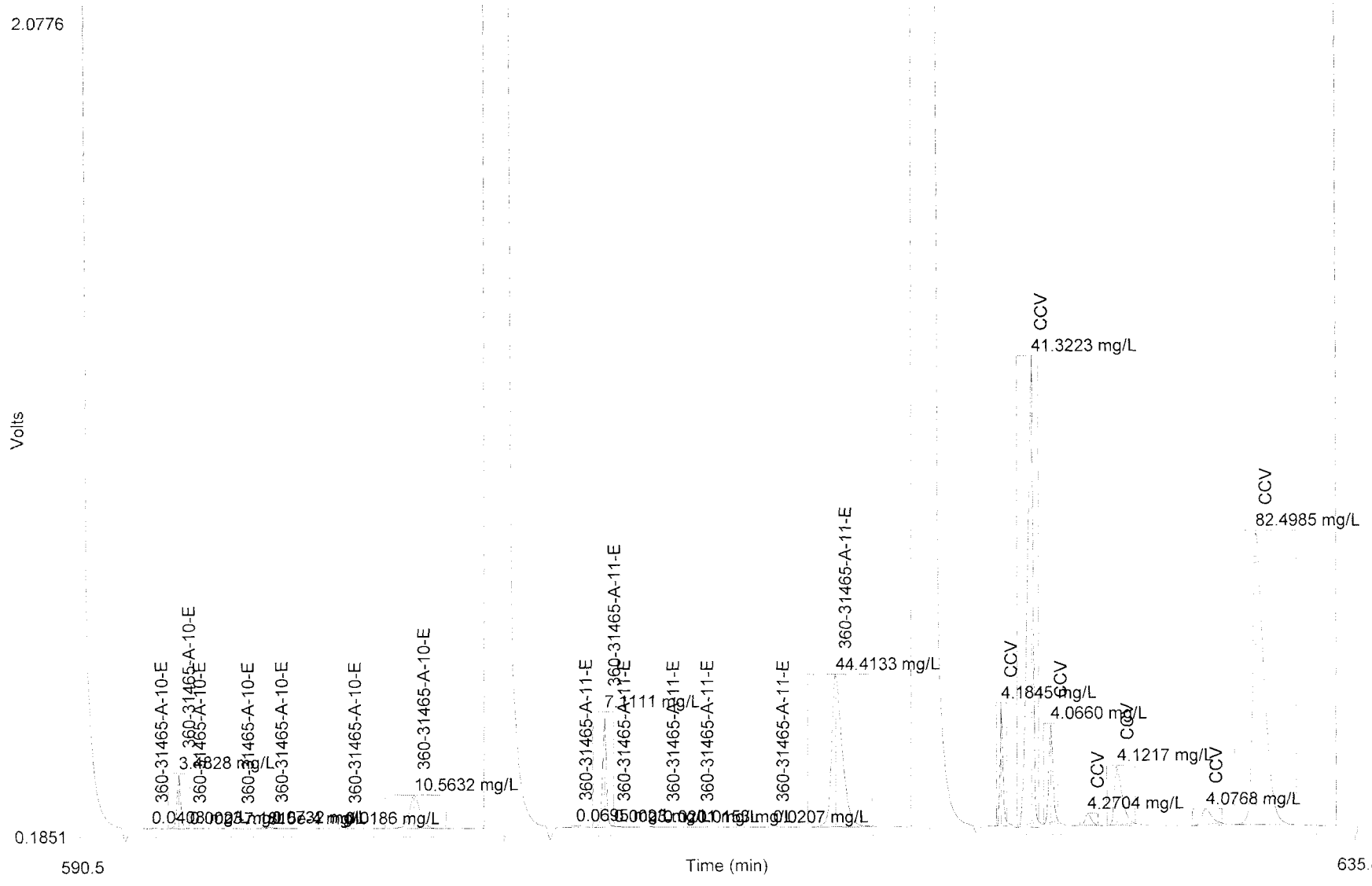

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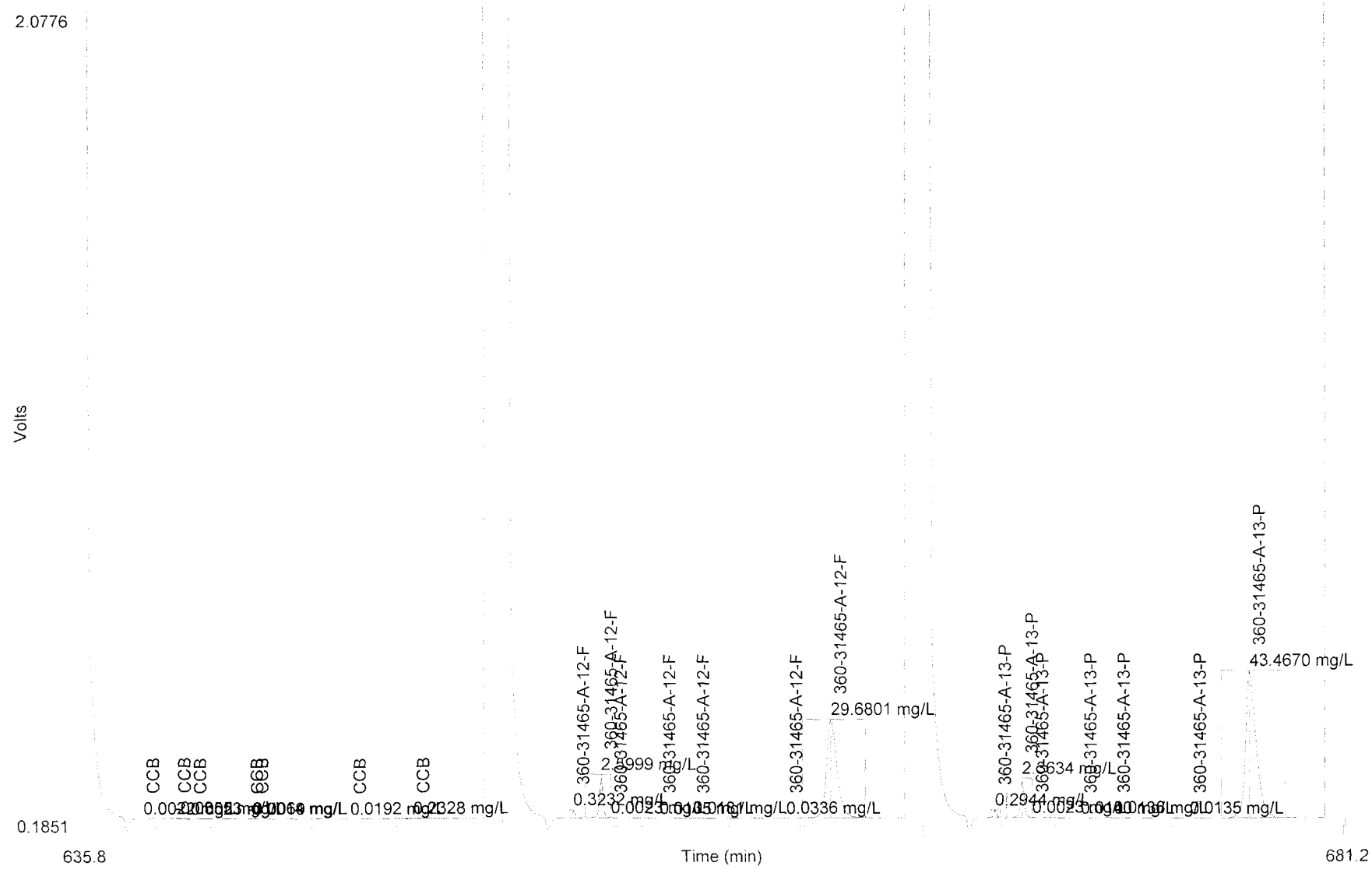

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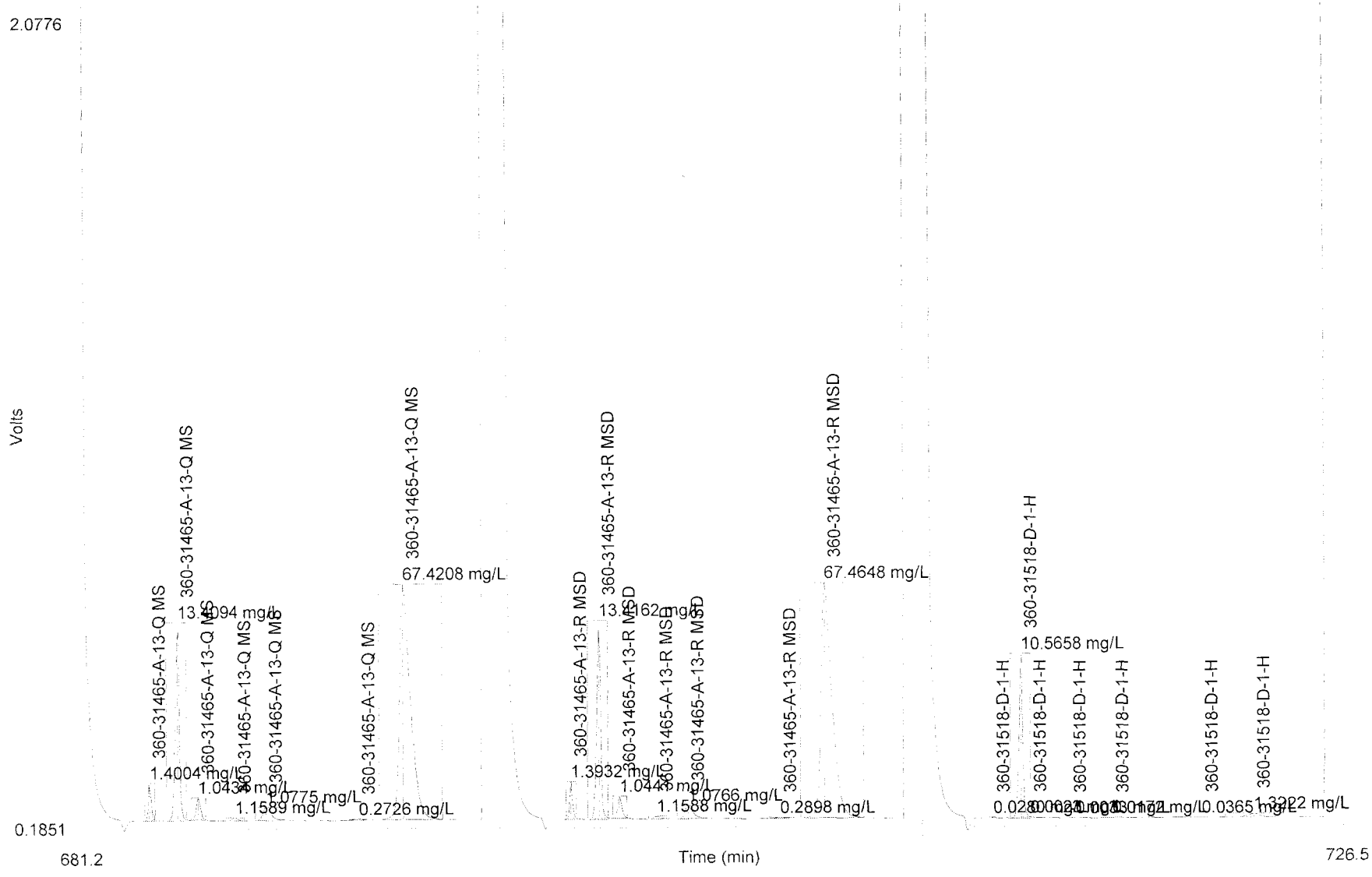

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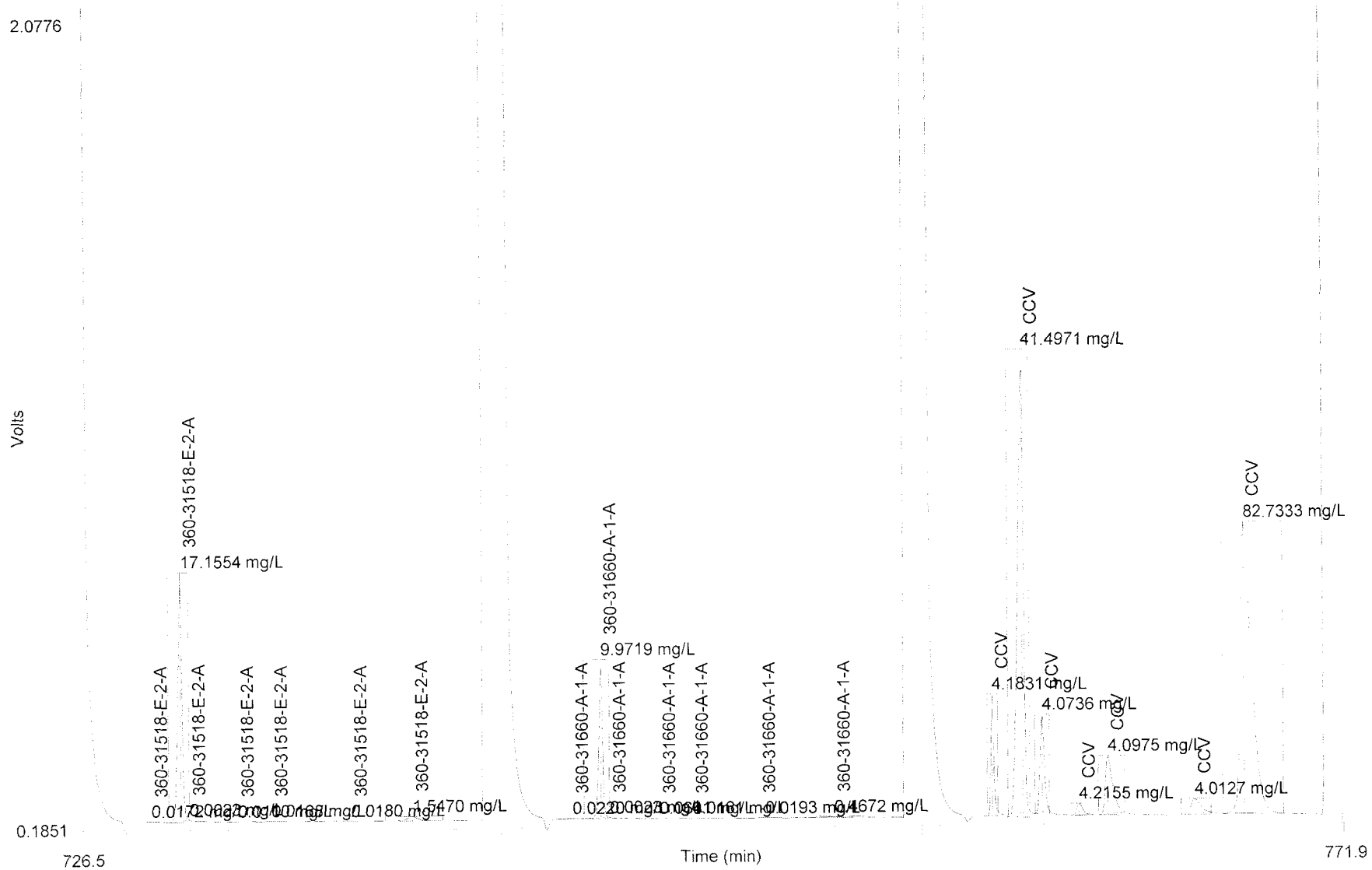

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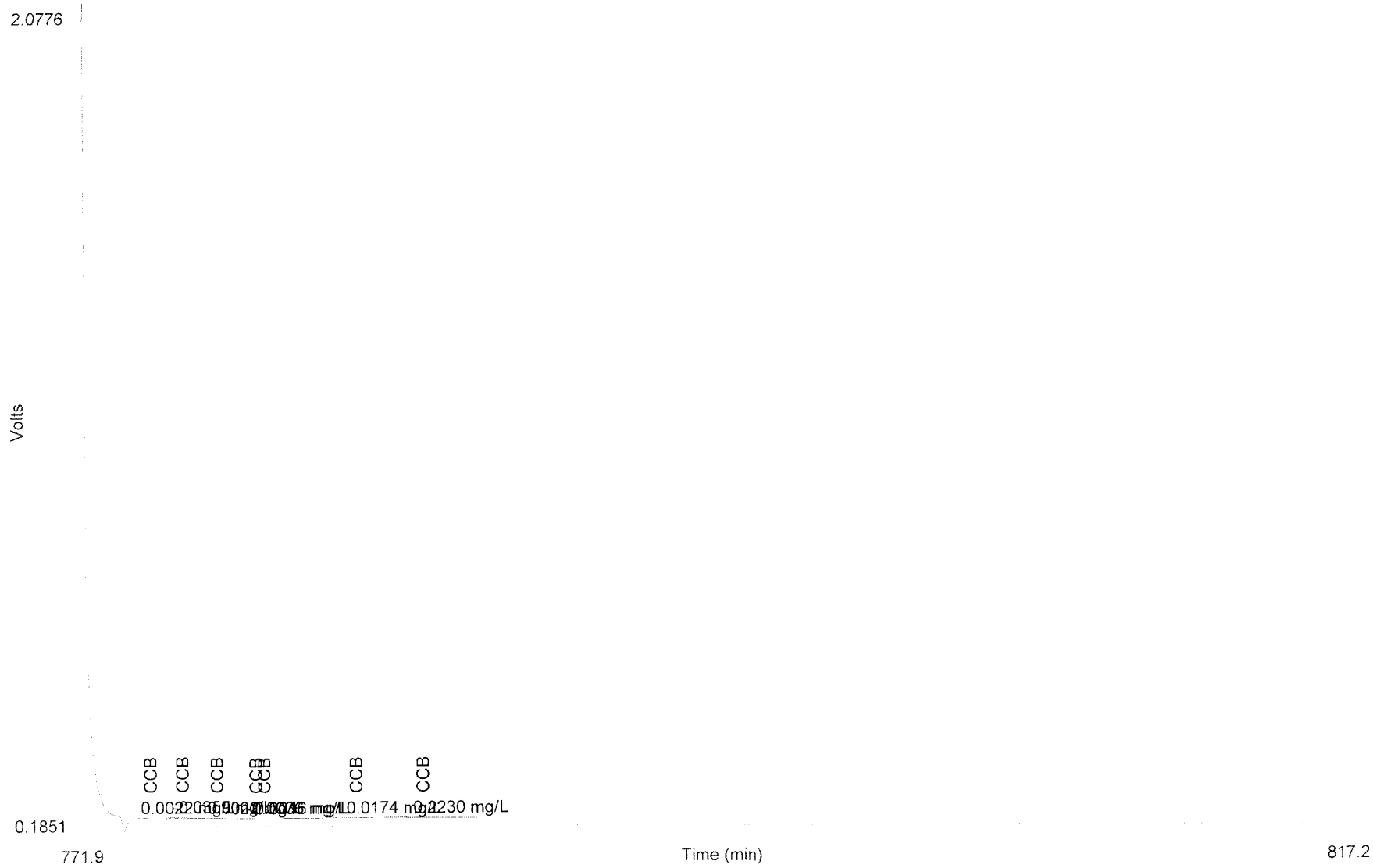


Table 1: Chloride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	50.0000	1	18.8715	1.2441	0.7	12/13/2010	8:30:10 AM
2	25.0000	1	8.9901	0.7770	-3.5	12/13/2010	8:30:10 AM
3	10.0000	1	3.2858	0.3591	0.4	12/13/2010	8:30:10 AM
4	4.0000	1	1.2013	0.1428	8.7	12/13/2010	8:30:10 AM
5	1.0000	1	0.3260	0.0361	9.3	12/13/2010	8:30:10 AM
6	0.5000	1	0.1985	0.0205	2.1	12/13/2010	8:30:11 AM
7	0.0000	1	0.0776	0.0057		12/13/2010	8:30:11 AM

Figure 1: Chloride

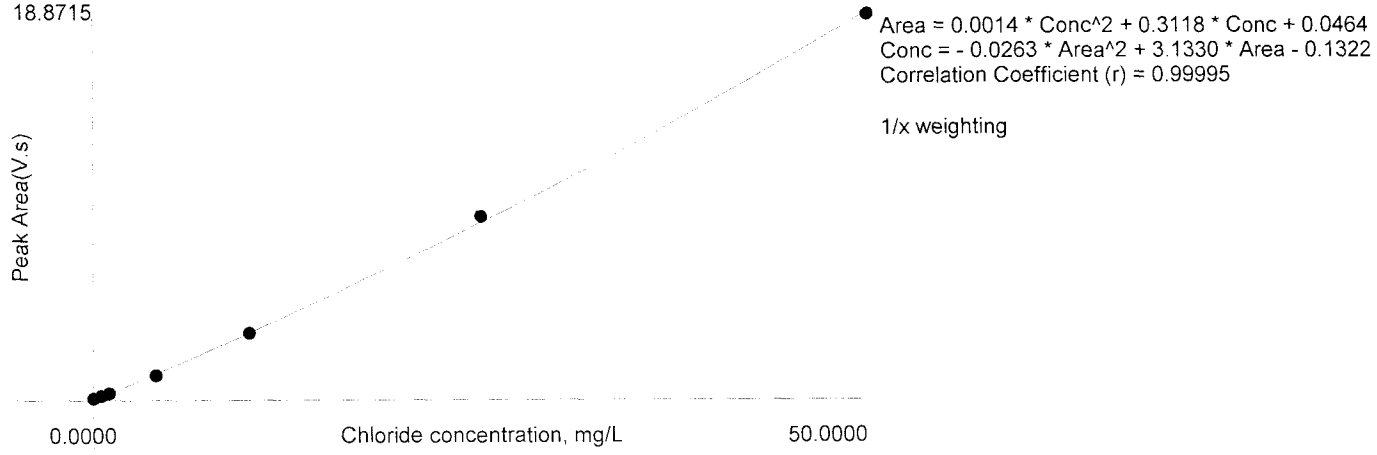


Table 2: Nitrite-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.9098	0.3051	0.3	12/13/2010	8:30:10 AM
2	2.5000	1	1.3809	0.1414	-1.3	12/13/2010	8:30:10 AM
3	1.0000	1	0.5174	0.0513	0.9	12/13/2010	8:30:10 AM
4	0.4000	1	0.2010	0.0195	1.7	12/13/2010	8:30:10 AM
5	0.1000	1	0.0484	0.0046	2.9	12/13/2010	8:30:10 AM
6	0.0500	1	0.0235	0.0023	3.6	12/13/2010	8:30:11 AM
7	0.0100	1	0.0044	4.2574e-4	-9.9	12/13/2010	8:30:11 AM

Figure 2: Nitrite-N

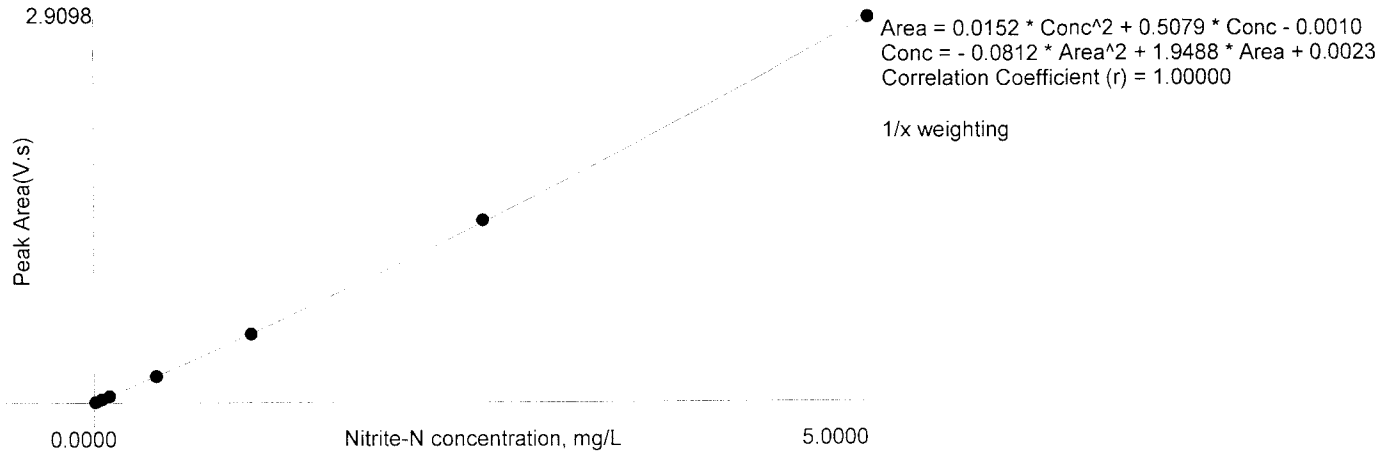


Table 3: Bromide

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.4668	0.0368	-0.0	12/13/2010	8:30:10 AM
2	2.5000	1	0.2193	0.0171	0.4	12/13/2010	8:30:10 AM
3	1.0000	1	0.0862	0.0066	-1.3	12/13/2010	8:30:10 AM
4	0.4000	1	0.0342	0.0026	-1.6	12/13/2010	8:30:10 AM
5	0.1000	1	0.0081	6.2595e-4	5.5	12/13/2010	8:30:10 AM
6	0.0500	1	0.0040	3.0677e-4	10.5	12/13/2010	8:30:11 AM
7	0.0000	1	9.1819e-4	5.0932e-5		12/13/2010	8:30:11 AM

Figure 3: Bromide

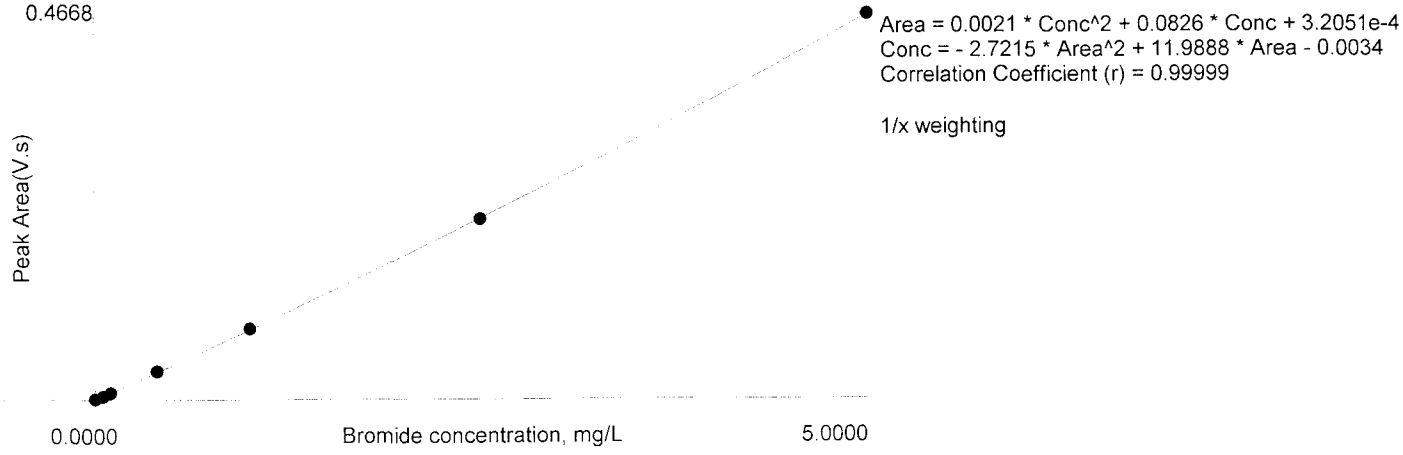


Table 4: Nitrate-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	3.2238	0.1881	0.3	12/13/2010	8:30:10 AM
2	2.5000	1	1.4379	0.0827	-1.2	12/13/2010	8:30:10 AM
3	1.0000	1	0.5234	0.0293	-0.3	12/13/2010	8:30:10 AM
4	0.4000	1	0.1971	0.0108	2.1	12/13/2010	8:30:10 AM
5	0.1000	1	0.0456	0.0025	8.1	12/13/2010	8:30:10 AM
6	0.0500	1	0.0227	0.0012	9.0	12/13/2010	8:30:11 AM
7	0.0000	1	0.0048	2.6006e-4		12/13/2010	8:30:11 AM

Figure 4: Nitrate-N

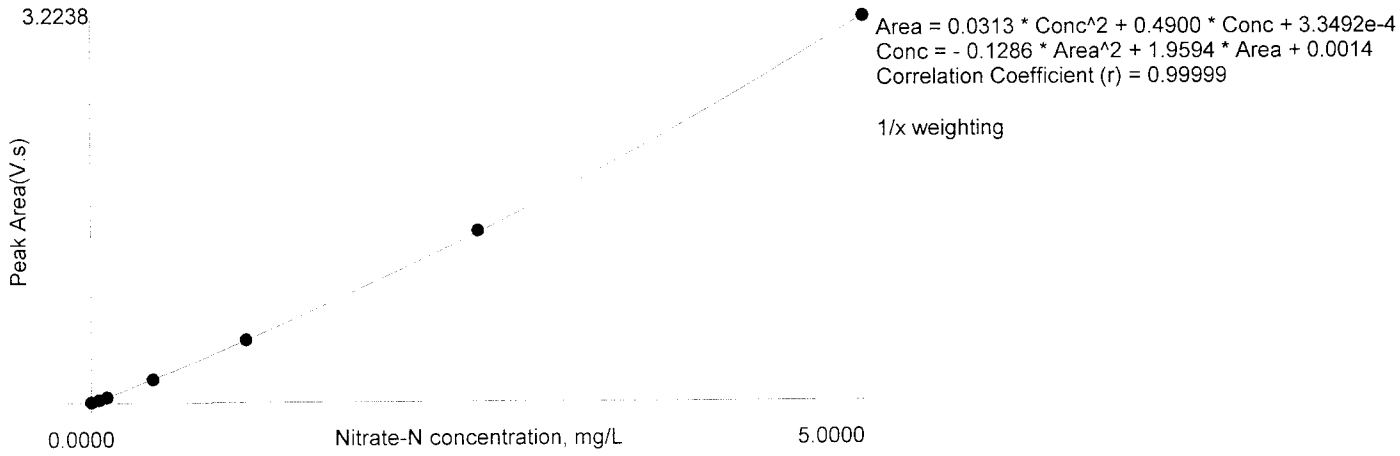


Table 5: Phosphate-P

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	1.1516	0.0515	1.1	12/13/2010	8:30:10 AM
2	2.5000	1	0.5033	0.0218	-6.1	12/13/2010	8:30:10 AM
3	1.0000	1	0.1589	0.0066	2.1	12/13/2010	8:30:10 AM
4	0.4000	1	0.0514	0.0021	12.7	12/13/2010	8:30:10 AM
5	0.1000	1	0.0091	3.871e-4	23.2	12/13/2010	8:30:11 AM
6	0.0500	1	0.0021	9.2074e-5	51.9	12/13/2010	8:30:11 AM
7	0.0000	1	0.0012	4.065e-5		12/13/2010	8:30:11 AM

Figure 5: Phosphate-P

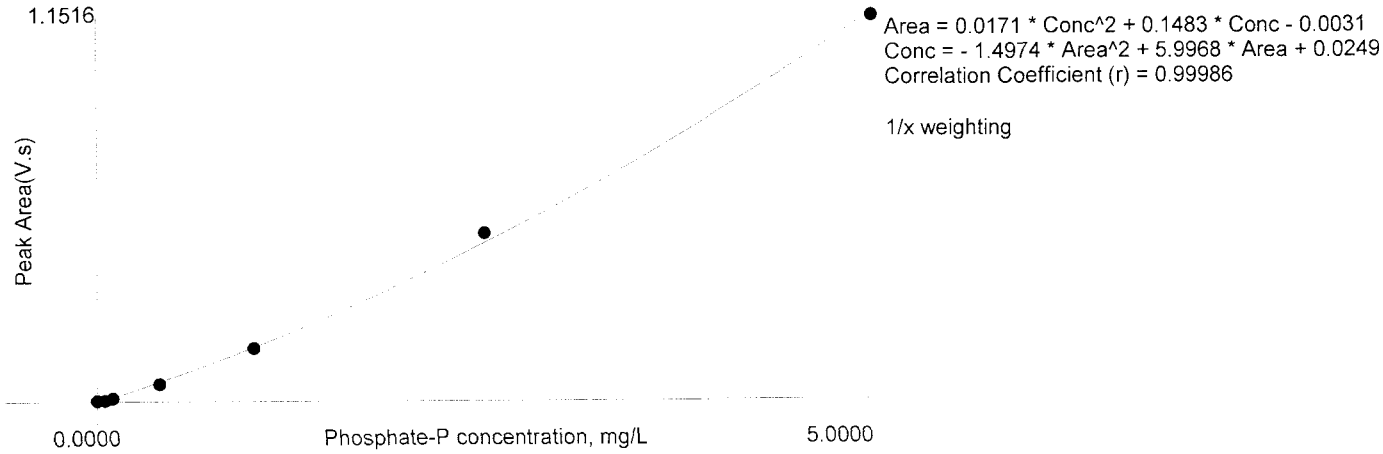


Table 6: Sulfate

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	100.0000	1	24.2499	0.8669	0.5	12/13/2010	8:30:10 AM
2	50.0000	1	11.0472	0.4326	-2.5	12/13/2010	8:30:10 AM
3	20.0000	1	3.9209	0.1549	1.3	12/13/2010	8:30:10 AM
4	8.0000	1	1.4576	0.0565	5.1	12/13/2010	8:30:10 AM
5	2.0000	1	0.3535	0.0135	6.6	12/13/2010	8:30:11 AM
6	0.0000	1	0.0427	0.0016		12/13/2010	8:30:11 AM

Figure 6: Sulfate

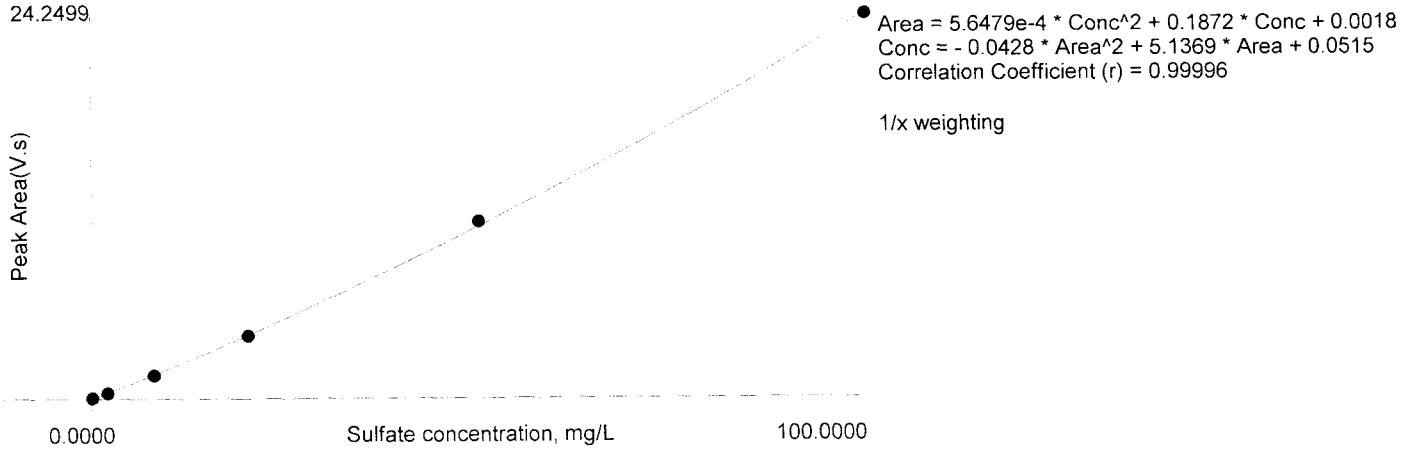
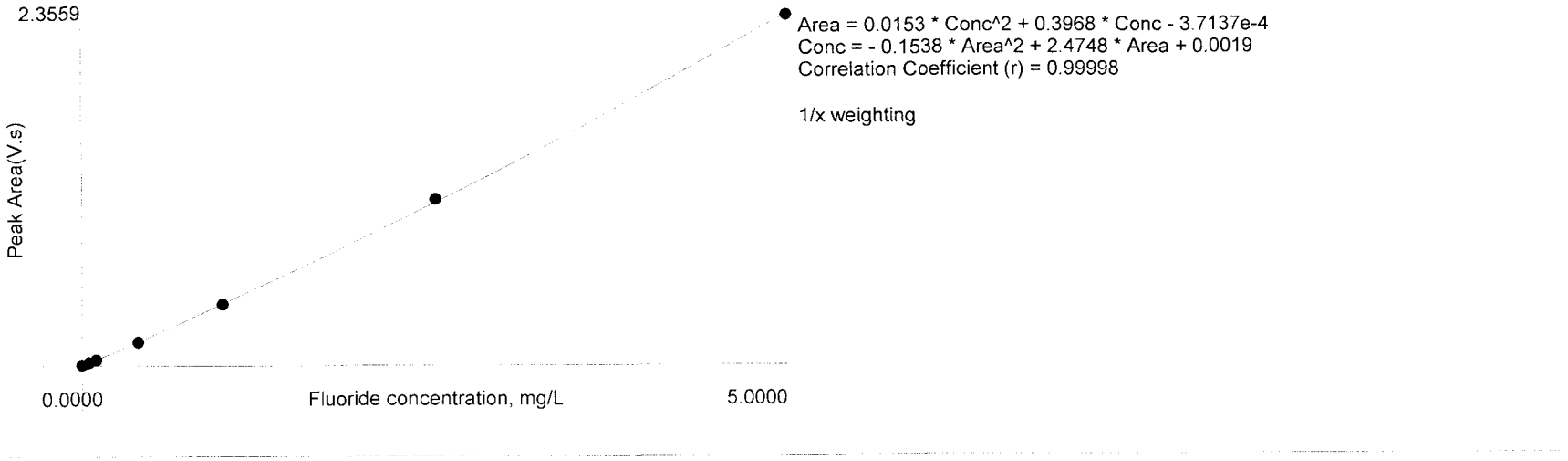


Table 7: Fluoride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.3559	0.3559	0.4	12/13/2010	8:30:10 AM
2	2.5000	1	1.1079	0.1765	-1.9	12/13/2010	8:30:10 AM
3	1.0000	1	0.4088	0.0653	0.7	12/13/2010	8:30:10 AM
4	0.4000	1	0.1566	0.0250	2.6	12/13/2010	8:30:10 AM
5	0.1000	1	0.0369	0.0059	6.5	12/13/2010	8:30:10 AM
6	0.0500	1	0.0178	0.0029	8.8	12/13/2010	8:30:11 AM
7	0.0000	1	0.0030	5.2921e-4		12/13/2010	8:30:11 AM

Figure 7: Fluoride



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: TOC Method Reference: L.K. Date of Analytical Run: 12-16-10

Primary Reviewer's Initials & Date: [illegible] 12-21-10 Secondary Reviewer's Initials & Date: [illegible]

Batch Numbers	67464	67468			

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only)
9012 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
9012 (soil): ICV/CCV ±15%: LCS/LCSD **: MS/MSD ±25%: ICB/MB/CCB <RL: MD RPD 35%: MSD/LCSD RPD ≤30%
7196 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196 (soil): ICV/CCV ±15%: LCS/LCSD **: MSS/MSI ±25%: ICB/MB/CCB <RL: MD RPD ≤35%: LCSD RPD ≤30%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or MD ARE GROUNDS FOR INVALIDATING THE BATCH.

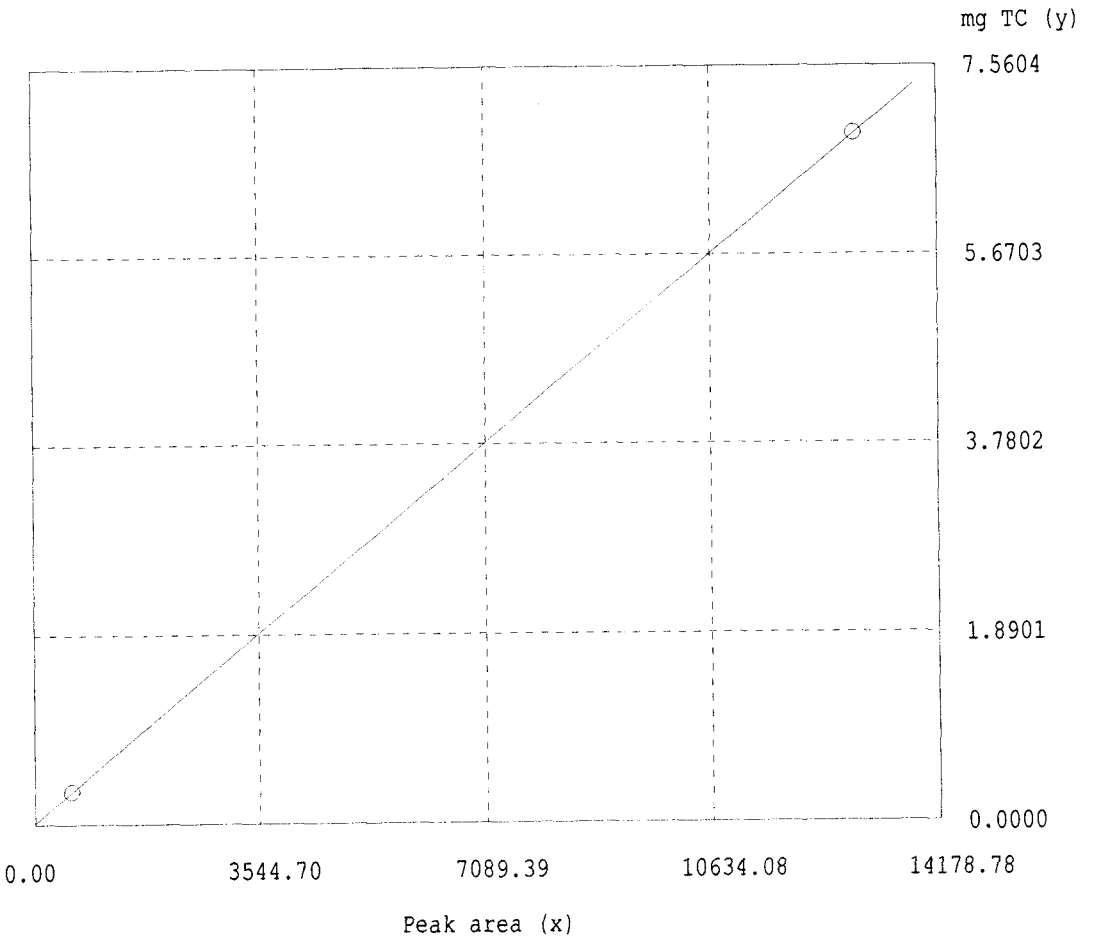
Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓ ✓			
Were the ICB and CCBs all <RL?	✓ ✓			
Were all MB and CCB results <RL for the analytes of interest?	✓ ✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓ ✓			
Was there an LCS run with every batch of 20 samples or less?	✓ ✓			
Was there a MD, LCSD or MSD run with every batch of 20 samples or less?	✓ ✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓ ✓			
Were all MS/MSD results within acceptable limits for QC recovery?			✓ ✓	
Were all MD, LCSD and/or MSD %RPDs within acceptable limits for QC recovery?	✓ ✓			
Were the raw data points for investigative samples within the working curve range, or if not, were the samples diluted to bring them within this range?	✓ ✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?	✓ ✓			
Were there any holding time violations in this batch?		✓ ✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓ ✓		
Were any jobs in this batch Level 4? If "Yes" then scan all raw data & place in correct scan folder on the public drive before filing this paperwork.	✓ ✓ ✓			

** LCS or LCSD must produce a recovery that is within the manufacturer's specified 95% confidence limits, must be matrix matched.

Date: 16.12.2010 Time: 12:08 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 WORKING CURVE
ANALYST= RWE
METHOD = LLOYD KAHN

TC Calibration, 'Solids'



Form of calibration line: y = a + bx

Coefficient a = +1.984262e-002
Coefficient b = +5.316822e-004
Correlation r = 1.000000
Residue SD Sy = 1.#INF00
Blank rate = 5.72/ml

Legend:

○ Active sample
● Excluded sample

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Parameters Printout

Conc. Range	Inj. Vol.	IR No. Peak 1	IR No. Peak 2	Hold Temp.	Hold Time	Description
20ppm	1.00ml	1	1	250°C	120Secs	
100ppm	0.25ml	1	1	250°C	120Secs	
2ppm	2.00ml	1	1	250°C	120Secs	
1000ppm	0.10ml	1	1	250°C	120Secs	
50ppm	0.50ml	1	1	250°C	120Secs	
Solids	1.00ml	1	1	250°C	120Secs	
TA 1.2mL	1.20ml	1	1	250°C	120Secs	
TA 1.4mL	1.40ml	1	1	250°C	120Secs	

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Coefficients Printout

Conc. Range	Type	Coeff. a	Coeff. b	Coeff. c	min.	max.	modified at
20ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
100ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
2ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
1000ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
50ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
Solids	TC	+1.984262e-002	+5.316822e-004		0.00	12889.80	16.12.2010 12:08
TA 1.2mL	TC	-2.616592e-001	+6.002487e-004		0.00	5562.26	11.06.2009 09:04
TA 1.4mL	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Statistics Printout

No.	Name	TC	Conc. Range
1	RUN IN	2.037 %	Solids
2	RUN IN	3.119 %	Solids
***	Mean	2.578 %	
***	Stddev., rel.	29.67 %	
***	Delta	1.082 %	
3	BLANK	265ppm	Solids
4	BLANK	244ppm	Solids
***	Mean	255ppm	
***	Stddev., rel.	5.846 %	
***	Delta	21.1ppm	
5	STD	8600ppm	Solids
6	STD	8600ppm	Solids
***	Mean	8600ppm	
***	Stddev., rel.	0.000 %	
***	Delta	0.0ppm	
7	ICV	3.080 %	Solids
8	ICV	3.075 %	Solids
***	Mean	3.077 %	
***	Stddev., rel.	0.106 %	
***	Delta	46.2ppm	
9	ICB	234ppm	Solids
10	ICB	431ppm	Solids
***	Mean	333ppm	
***	Stddev., rel.	41.79 %	
***	Delta	197ppm	
11	MB1	330ppm	Solids
12	MB1	268ppm	Solids
***	Mean	299ppm	
***	Stddev., rel.	14.53 %	
***	Delta	61.4ppm	
13	LCS1	8318ppm	Solids
14	LCS1	7652ppm	Solids
***	Mean	7985ppm	
***	Stddev., rel.	5.904 %	
***	Delta	667ppm	
15	31515A1	23.50 %	Solids
16	31515A1	20.73 %	Solids
***	Mean	22.12 %	
***	Stddev., rel.	8.851 %	
***	Delta	2.768 %	
17	31515A2	10.75 %	Solids
18	31515A2	9.757 %	Solids

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Statistics Printout

No.	Name	TC	Conc. Range
***	Mean	10.25 %	
***	Stddev., rel.	6.842 %	
***	Delta	9922ppm	
19	31515A3	21.40 % Solids	
20	31515A3	19.79 % Solids	
***	Mean	20.60 %	
***	Stddev., rel.	5.536 %	
***	Delta	1.613 %	
21	31515A4	10.60 % Solids	
22	31515A4	10.37 % Solids	
***	Mean	10.49 %	
***	Stddev., rel.	1.542 %	
***	Delta	2287ppm	
23	31515A5	27.14 % Solids	
24	31515A5	26.07 % Solids	
***	Mean	26.61 %	
***	Stddev., rel.	2.849 %	
***	Delta	1.072 %	
25	31515A6	26.19 % Solids	
26	31515A6	25.85 % Solids	
***	Mean	26.02 %	
***	Stddev., rel.	0.938 %	
***	Delta	3453ppm	
27	31515A7	17.94 % Solids	
28	31515A7	19.89 % Solids	
***	Mean	18.91 %	
***	Stddev., rel.	7.301 %	
***	Delta	1.953 %	
29	31515A8	4.311 % Solids	
30	31515A8	4.220 % Solids	
***	Mean	4.265 %	
***	Stddev., rel.	1.503 %	
***	Delta	907ppm	
31	31515A9	4.330 % Solids	
32	31515A9	5.582 % Solids	
***	Mean	4.956 %	
***	Stddev., rel.	17.87 %	
***	Delta	1.253 %	
33	31515A10	2.067 % Solids	
34	31515A10	3.789 % Solids	
***	Mean	2.928 %	
***	Stddev., rel.	41.59 %	

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Statistics Printout

No.	Name	TC	Conc. Range
***	Delta	1.722 %	
35	CCV1	7966ppm	Solids
36	CCV1	7846ppm	Solids
***	Mean	7906ppm	
***	Stddev., rel.	1.067 %	
***	Delta	119ppm	
37	CCB1	850ppm	Solids
38	CCB1	254ppm	Solids
***	Mean	552ppm	
***	Stddev., rel.	76.35 %	
***	Delta	596ppm	
39	31515A11	10.40 %	Solids
40	31515A11	5.712 %	Solids
***	Mean	8.054 %	
***	Stddev., rel.	41.13 %	
***	Delta	4.685 %	
41	31515A12	2.683 %	Solids
42	31515A12	2.827 %	Solids
***	Mean	2.755 %	
***	Stddev., rel.	3.674 %	
***	Delta	1432ppm	
43	31515A13	3.079 %	Solids
44	31515A13	7.536 %	Solids
***	Mean	5.308 %	
***	Stddev., rel.	59.37 %	
***	Delta	4.457 %	
45	31515A14	13.09 %	Solids
46	31515A14	4.599 %	Solids
***	Mean	8.846 %	
***	Stddev., rel.	67.89 %	
***	Delta	8.493 %	
47	31515A15	16.62 %	Solids
48	31515A15	19.99 %	Solids
***	Mean	18.30 %	
***	Stddev., rel.	13.01 %	
***	Delta	3.367 %	
49	31465D1	2.421 %	Solids
50	31465D1	7.933 %	Solids
***	Mean	5.177 %	
***	Stddev., rel.	75.29 %	
***	Delta	5.513 %	

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Statistics Printout

No.	Name	TC	Conc. Range
51	31465D2	3.145 %	Solids
52	31465D2	3.535 %	Solids
***	Mean	3.340 %	
***	Stddev., rel.	8.253 %	
***	Delta	3898ppm	
53	31465D3	5.115 %	Solids
54	31465D3	3.173 %	Solids
***	Mean	4.144 %	
***	Stddev., rel.	33.13 %	
***	Delta	1.942 %	
55	31465D4	4.359 %	Solids
56	31465D4	5.864 %	Solids
***	Mean	5.111 %	
***	Stddev., rel.	20.82 %	
***	Delta	1.505 %	
57	31465D4 DU	2.840 %	Solids
58	31465D4 DU	6.159 %	Solids
***	Mean	4.500 %	
***	Stddev., rel.	52.15 %	
***	Delta	3.319 %	
59	CCV2	7205ppm	Solids
60	CCV2	7736ppm	Solids
***	Mean	7470ppm	
***	Stddev., rel.	5.025 %	
***	Delta	531ppm	
61	CCB2	96.9ppm	Solids
62	CCB2	278ppm	Solids
***	Mean	188ppm	
***	Stddev., rel.	68.39 %	
***	Delta	181ppm	
63	MB2	192ppm	Solids
64	MB2	207ppm	Solids
***	Mean	200ppm	
***	Stddev., rel.	5.075 %	
***	Delta	14.3ppm	
65	LCS2	8368ppm	Solids
66	LCS2	8181ppm	Solids
***	Mean	8274ppm	
***	Stddev., rel.	1.604 %	
***	Delta	188ppm	
67	31465D5	3.786 %	Solids
68	31465D5	5.846 %	Solids

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Statistics Printout

No.	Name	TC	Conc. Range
***	Mean	4.816 %	
***	Stddev., rel.	30.24 %	
***	Delta	2.059 %	
69	31465G6	3.285 %	Solids
70	31465G6	2.650 %	Solids
***	Mean	2.968 %	
***	Stddev., rel.	15.13 %	
***	Delta	6351ppm	
71	31465G7	7006ppm	Solids
72	31465G7	7923ppm	Solids
***	Mean	7464ppm	
***	Stddev., rel.	8.683 %	
***	Delta	917ppm	
73	31465A9	1.592 %	Solids
74	31465A9	9172ppm	Solids
***	Mean	1.254 %	
***	Stddev., rel.	38.02 %	
***	Delta	6744ppm	
75	31465A10	2.293 %	Solids
76	31465A10	3.344 %	Solids
***	Mean	2.819 %	
***	Stddev., rel.	26.35 %	
***	Delta	1.050 %	
77	31465A11	4.524 %	Solids
78	31465A11	2.197 %	Solids
***	Mean	3.360 %	
***	Stddev., rel.	48.97 %	
***	Delta	2.327 %	
79	31465A12	2.105 %	Solids
80	31465A12	3.939 %	Solids
***	Mean	3.022 %	
***	Stddev., rel.	42.90 %	
***	Delta	1.833 %	
81	31465A13	3.118 %	Solids
82	31465A13	2.902 %	Solids
***	Mean	3.010 %	
***	Stddev., rel.	5.064 %	
***	Delta	2155ppm	
83	31465A13 DU	2.866 %	Solids
84	31465A13 DU	2.704 %	Solids
***	Mean	2.785 %	
***	Stddev., rel.	4.123 %	

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RESULTS
ANALYST= RWE
METHOD = LLOYD KAHN

Statistics Printout

No.	Name	TC	Conc. Range
***	Delta	1624ppm	
85	31518D1	1.233 %	Solids
86	31518D1	4395ppm	Solids
***	Mean	8362ppm	
***	Stddev., rel.	67.09 %	
***	Delta	7934ppm	
87	CCV3	8050ppm	Solids
88	CCV3	8652ppm	Solids
***	Mean	8351ppm	
***	Stddev., rel.	5.103 %	
***	Delta	603ppm	
89	CCB3	263ppm	Solids
90	CCB3	132ppm	Solids
***	Mean	197ppm	
***	Stddev., rel.	46.94 %	
***	Delta	131ppm	
91	31518D2	9.042 %	Solids
92	31518D2	8.114 %	Solids
***	Mean	8.578 %	
***	Stddev., rel.	7.648 %	
***	Delta	9279ppm	
93	CCV4	8085ppm	Solids
94	CCV4	8264ppm	Solids
***	Mean	8175ppm	
***	Stddev., rel.	1.548 %	
***	Delta	179ppm	
95	CCB4	481ppm	Solids
96	CCB4	131ppm	Solids
***	Mean	306ppm	
***	Stddev., rel.	80.96 %	
***	Delta	350ppm	

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RUN LOG
ANALYST= RWE
METHOD = LLOYD KAHN

Parameters Printout

Conc. Range	Inj. Vol.	IR No. Peak 1	IR No. Peak 2	Hold Temp.	Hold Time	Description
20ppm	1.00ml	1	1	250°C	120Secs	
100ppm	0.25ml	1	1	250°C	120Secs	
2ppm	2.00ml	1	1	250°C	120Secs	
1000ppm	0.10ml	1	1	250°C	120Secs	
50ppm	0.50ml	1	1	250°C	120Secs	
Solids	1.00ml	1	1	250°C	120Secs	
TA 1.2mL	1.20ml	1	1	250°C	120Secs	
TA 1.4mL	1.40ml	1	1	250°C	120Secs	

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RUN LOG
ANALYST= RWE
METHOD = LLOYD KAHN

Coefficients Printout

Conc. Range	Type	Coeff. a	Coeff. b	Coeff. c	min.	max.	modified at
20ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
100ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
2ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
1000ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
50ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
Solids	TC	+1.984262e-002	+5.316822e-004		0.00	12889.80	16.12.2010 12:08
TA 1.2mL	TC	-2.616592e-001	+6.002487e-004		0.00	5562.26	11.06.2009 09:04
TA 1.4mL	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00

16 DEC 2010 RUN LOG
ANALYST= RWE
METHOD = LLOYD KAHN

Text Printout

No.	Name	Conc. Range	Date	Time	Wght. [mg]	TC	TC Area
1	RUN IN	Solids	16.12.2010	10:48	1.000	2.037 %	1.00
2	RUN IN	Solids	16.12.2010	11:05	1.000	3.119 %	21.35
3	BLANK	Solids	16.12.2010	11:20	100.00	265ppm	12.57
4	BLANK	Solids	16.12.2010	11:35	100.00	244ppm	8.61
5	STD	Solids	16.12.2010	11:48	38.900	8600ppm	591.89
6	STD	Solids	16.12.2010	12:08	799.20	8600ppm	12890
7	ICV	Solids	16.12.2010	12:24	73.300	3.080 %	4208.48
8	ICV	Solids	16.12.2010	12:36	104.50	3.075 %	6006.61
9	ICB	Solids	16.12.2010	13:32	355.10	234ppm	119.17
10	ICB	Solids	16.12.2010	13:45	356.30	431ppm	251.43
11	MB1	Solids	16.12.2010	13:58	348.30	330ppm	178.60
12	MB1	Solids	16.12.2010	14:10	363.10	268ppm	145.84
13	LCS1	Solids	16.12.2010	14:43	174.10	8318ppm	2686.54
14	LCS1	Solids	16.12.2010	14:58	223.00	7652ppm	3171.96
15	31515A1	Solids	16.12.2010	15:49	19.700	23.50 %	8669.97
16	31515A1	Solids	16.12.2010	16:02	10.700	20.73 %	4134.92
17	31515A2	Solids	16.12.2010	16:17	13.400	10.75 %	2671.87
18	31515A2	Solids	16.12.2010	16:29	18.700	9.757 %	3394.46
19	31515A3	Solids	16.12.2010	16:43	13.200	21.40 %	5276.34
20	31515A3	Solids	16.12.2010	17:02	12.000	19.79 %	4429.32
21	31515A4	Solids	17.12.2010	09:03	17.500	10.60 %	3452.11
22	31515A4	Solids	17.12.2010	09:18	18.300	10.37 %	3532.90
23	31515A5	Solids	17.12.2010	09:31	14.900	27.14 %	7569.51
24	31515A5	Solids	17.12.2010	10:12	10.600	26.07 %	5160.52
25	31515A6	Solids	17.12.2010	10:38	11.200	26.19 %	5479.97
26	31515A6	Solids	17.12.2010	10:51	13.500	25.85 %	6525.31
27	31515A7	Solids	17.12.2010	11:03	18.900	17.94 %	6338.87
28	31515A7	Solids	17.12.2010	11:16	13.700	19.89 %	5087.78
29	31515A8	Solids	17.12.2010	11:30	19.800	4.311 %	1568.02
30	31515A8	Solids	17.12.2010	11:45	37.900	4.220 %	2970.91
31	31515A9	Solids	17.12.2010	11:58	35.300	4.330 %	2837.21
32	31515A9	Solids	17.12.2010	12:10	30.800	5.582 %	3196.39
33	31515A10	Solids	17.12.2010	13:03	61.100	2.067 %	2337.53
34	31515A10	Solids	17.12.2010	13:18	75.800	3.789 %	5363.92
35	CCV1	Solids	17.12.2010	14:22	174.80	7966ppm	2581.58
36	CCV1	Solids	17.12.2010	14:40	252.70	7846ppm	3691.98
37	CCB1	Solids	17.12.2010	14:57	399.70	850ppm	601.45
38	CCB1	Solids	17.12.2010	15:12	287.40	254ppm	99.91
39	31515A11	Solids	17.12.2010	15:24	22.600	10.40 %	4381.93
40	31515A11	Solids	17.12.2010	15:36	36.000	5.712 %	3829.96
41	31515A12	Solids	17.12.2010	15:49	40.800	2.683 %	2021.84
42	31515A12	Solids	17.12.2010	16:01	43.200	2.827 %	2259.28
43	31515A13	Solids	17.12.2010	16:14	79.400	3.079 %	4561.52
44	31515A13	Solids	17.12.2010	16:28	54.600	7.536 %	7701.62
45	31515A14	Solids	17.12.2010	16:46	49.700	13.09 %	12201
46	31515A14	Solids	17.12.2010	16:59	25.100	4.599 %	2133.91
47	31515A15	Solids	18.12.2010	08:48	24.800	16.62 %	7714.19
48	31515A15	Solids	18.12.2010	09:11	17.800	19.99 %	6653.52
49	31465D1	Solids	18.12.2010	09:25	24.400	2.421 %	1073.69
50	31465D1	Solids	18.12.2010	10:04	31.400	7.933 %	4648.01

Date: 21.12.2010 Time: 10:24 Document: 121610_LK
Mode: Solids, regular User: 2

16 DEC 2010 RUN LOG
ANALYST= RWE
METHOD = LLOYD KAHN

Text Printout

No.	Name	Conc. Range	Date	Time	Wght. [mg]	TC	TC Area
51	31465D2	Solids	18.12.2010	10:19	40.100	3.145 %	2334.52
52	31465D2	Solids	18.12.2010	10:32	57.500	3.535 %	3785.26
53	31465D3	Solids	18.12.2010	11:44	24.400	5.115 %	2310.07
54	31465D3	Solids	18.12.2010	11:58	35.600	3.173 %	2087.52
55	31465D4	Solids	18.12.2010	12:13	11.000	4.359 %	864.45
56	31465D4	Solids	18.12.2010	13:00	41.200	5.864 %	4506.62
57	31465D4 DU	Solids	18.12.2010	13:26	28.600	2.840 %	1490.60
58	31465D4 DU	Solids	18.12.2010	14:02	47.000	6.159 %	5407.51
59	CCV2	Solids	20.12.2010	09:13	232.20	7205ppm	3109.28
60	CCV2	Solids	20.12.2010	09:32	249.80	7736ppm	3597.21
61	CCB2	Solids	20.12.2010	09:45	289.50	96.9ppm	15.43
62	CCB2	Solids	20.12.2010	10:17	297.20	278ppm	118.25
63	MB2	Solids	20.12.2010	10:35	286.40	192ppm	66.31
64	MB2	Solids	20.12.2010	10:48	306.20	207ppm	81.72
65	LCS2	Solids	20.12.2010	11:00	212.30	8368ppm	3304.12
66	LCS2	Solids	20.12.2010	11:15	215.50	8181ppm	3278.40
67	31465D5	Solids	20.12.2010	11:28	29.100	3.786 %	2034.87
68	31465D5	Solids	20.12.2010	11:41	23.800	5.846 %	2579.35
69	31465G6	Solids	20.12.2010	11:56	42.600	3.285 %	2595.00
70	31465G6	Solids	20.12.2010	12:17	54.200	2.650 %	2664.31
71	31465G7	Solids	20.12.2010	12:31	189.10	7006ppm	2454.52
72	31465G7	Solids	20.12.2010	12:44	220.00	7923ppm	3240.97
73	31465A9	Solids	20.12.2010	12:57	88.900	1.592 %	2623.93
74	31465A9	Solids	20.12.2010	13:12	125.80	9172ppm	2132.85
75	31465A10	Solids	20.12.2010	14:10	125.10	2.293 %	5358.72
76	31465A10	Solids	20.12.2010	14:26	136.70	3.344 %	8559.84
77	31465A11	Solids	20.12.2010	14:43	39.200	4.524 %	3298.04
78	31465A11	Solids	20.12.2010	14:59	38.800	2.197 %	1565.71
79	31465A12	Solids	20.12.2010	15:12	86.000	2.105 %	3368.13
80	31465A12	Solids	20.12.2010	15:26	93.200	3.939 %	6867.11
81	31465A13	Solids	20.12.2010	15:40	99.800	3.118 %	5814.46
82	31465A13	Solids	20.12.2010	15:53	94.500	2.902 %	5120.60
83	31465A13 DU	Solids	20.12.2010	16:07	71.800	2.866 %	3833.43
84	31465A13 DU	Solids	20.12.2010	16:20	90.700	2.704 %	4575.29
85	31518D1	Solids	20.12.2010	16:33	528.80	1.233 %	12224
86	31518D1	Solids	20.12.2010	16:48	203.60	4395ppm	1645.68
87	CCV3	Solids	20.12.2010	17:05	226.70	8050ppm	3394.91
88	CCV3	Solids	20.12.2010	17:17	208.30	8652ppm	3352.45
89	CCB3	Solids	20.12.2010	17:30	315.20	263ppm	118.41
90	CCB3	Solids	20.12.2010	17:42	470.30	132ppm	79.24
91	31518D2	Solids	20.12.2010	17:57	20.400	9.042 %	3432.11
92	31518D2	Solids	20.12.2010	18:14	27.700	8.114 %	4190.22
93	CCV4	Solids	20.12.2010	18:29	277.80	8085ppm	4187.03
94	CCV4	Solids	20.12.2010	18:42	210.80	8264ppm	3239.17
95	CCB4	Solids	21.12.2010	08:28	315.00	481ppm	247.40
96	CCB4	Solids	21.12.2010	09:13	371.60	131ppm	53.99

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: NH3 Method Reference: LACH09-06-1-B Date of Analytical Run: 12-17-10

Primary Reviewer's Initials & Date: RWE 12-17-10 Secondary Reviewer's Initials & Date: 12/17/10

Batch Numbers	67339	67341			

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only)
9012 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
9012 (soil): ICV/CCV ±15%: LCS/LCSD **: MS/MSD ±25%: ICB/MB/CCB <RL: MD RPD 35%: MSD/LCSD RPD ≤30%
7196 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196 (soil): ICV/CCV ±15%: LCS/LCSD **: MSS/MSI ±25%: ICB/MB/CCB <RL: MD RPD ≤35%: LCSD RPD ≤30%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or MD ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓ ✓			
Were the ICB and CCBs all <RL?	✓ ✓			
Were all MB and CCB results <RL for the analytes of interest?	✓ ✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓ ✓			
Was there an LCS run with every batch of 20 samples or less?	✓ ✓			
Was there a MD, LCSD or MSD run with every batch of 20 samples or less?	✓ ✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓ ✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓ ✓			
Were all MD, LCSD and/or MSD %RPDs within acceptable limits for QC recovery?		✓ ✓ ✓		
Were the raw data points for investigative samples within the working curve range, or if not, were the samples diluted to bring them within this range?	✓ ✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓ ✓		DO NOT
Were there any holding time violations in this batch?		✓ ✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)	✓ ✓	✓		32420, 32423
Were any jobs in this batch Level 4? If "Yes" then scan all raw data & place in correct scan folder on the public drive before filing this paperwork.	✓ ✓ ✓			

** LCS or LCSD must produce a recovery that is within the manufacturer's specified 95% confidence limits, must be matrix matched.

Review Analyte Calibration

Exit! Update! Fit Scale Graph Print Help

Ammonia

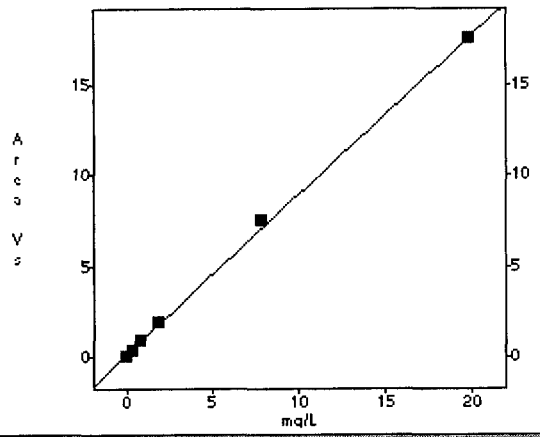
Level	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Re %R
1	17616654	20	17616654					0.0	
2	7551354	8	7551354					0.0	
3	1944045	2	1944045					0.0	
4	955859	1	955859					0.0	
5	467440	0.5	467440					0.0	

Analyte List

Ammonia

12-17-10

Red numbers and graph points reflect the unused Replicate Points



Scaling: None
Weighting: None
1st Order Poly
Conc = 1.134e-006 Area - 1.516e-001
r = 0.9996

Ready

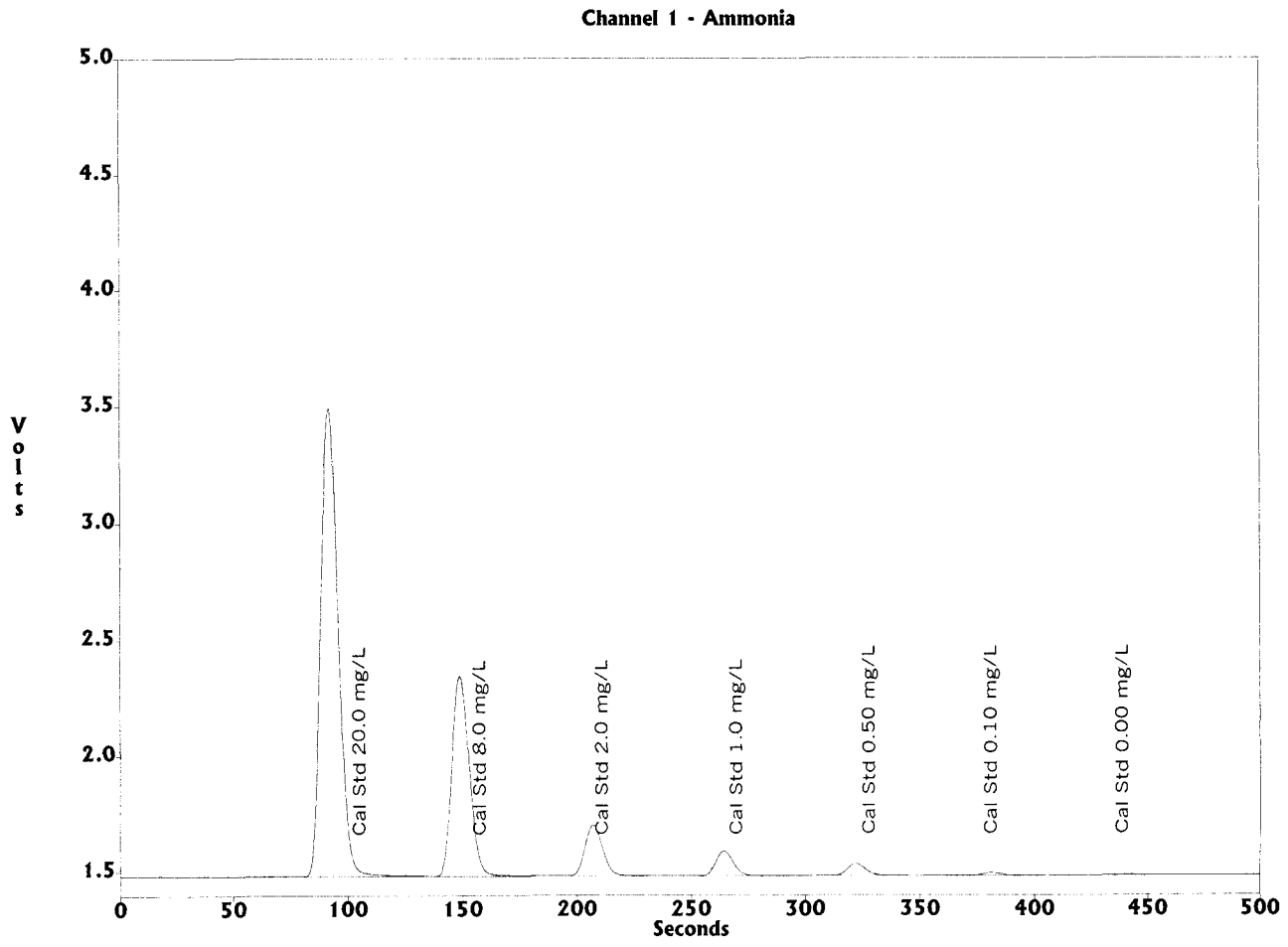
25

OPERATOR: demo
ACQ. TIME: Dec 17, 2010 14:27:06
DATA FILENAME: C:\OMNION\DATA\2009\121710A.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2010\121710A.TRA

TRAY DESCRIPTION:
Created: Dec 17, 2010 10:39:21
Modified: Dec 17, 2010 14:45:50

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
1	Cal Std 20.0 mg/L	17 Dec 2010	14:27:07	1	17616654.000
2	Cal Std 8.0 mg/L	17 Dec 2010	14:28:04	1	7551354.000
3	Cal Std 2.0 mg/L	17 Dec 2010	14:29:02	1	1944045.000
4	Cal Std 1.0 mg/L	17 Dec 2010	14:30:00	1	955859.000
5	Cal Std 0.50 mg/L	17 Dec 2010	14:30:58	1	467440.000
6	Cal Std 0.10 mg/L	17 Dec 2010	14:31:57	1	133219.000
7	Cal Std 0.00 mg/L	17 Dec 2010	14:32:56	1	33874.000



OPERATOR: demo
DATA FILENAME: C:\OMNION\DATA\2009\121710A.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2010\121710A.TRA

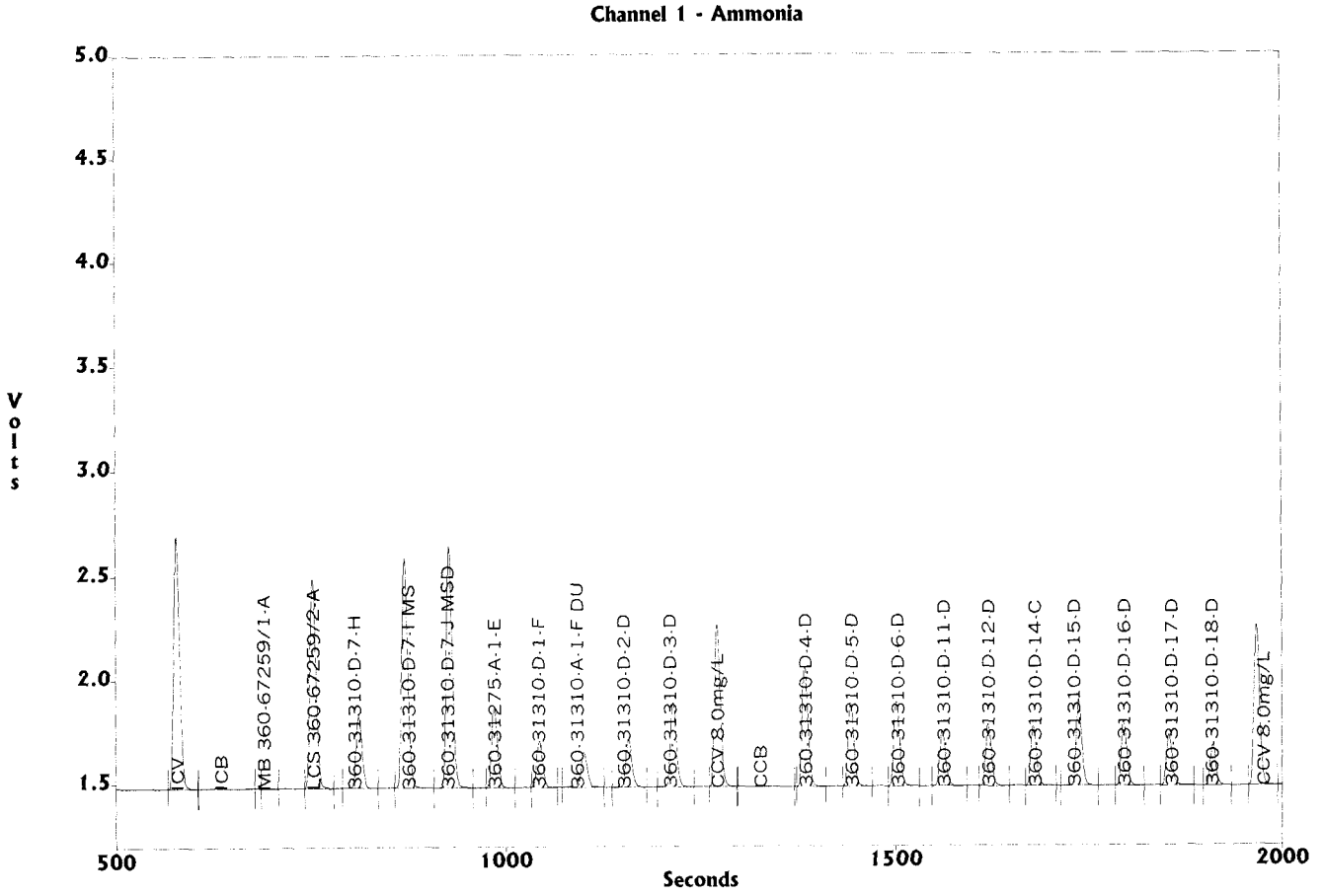
Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 26

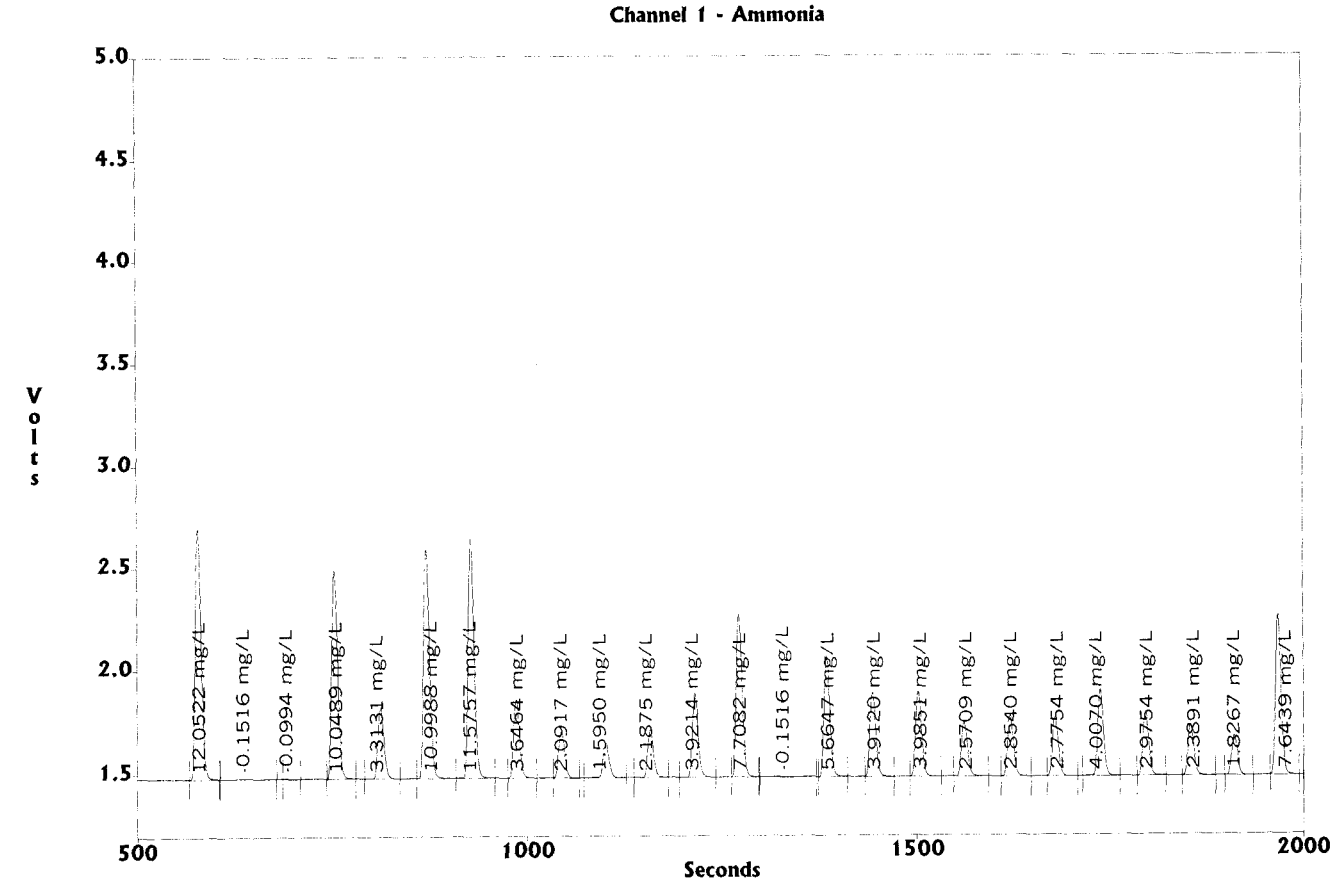
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
1	ICV	17 Dec 2010	14:35:15	1	12.0522
2	ICB	17 Dec 2010	14:36:14	1	-0.1516
3	MB 360-67259/1-A	17 Dec 2010	14:37:12	1	-0.0994
4	LCS 360-67259/2-A	17 Dec 2010	14:38:10	1	10.0489
5	360-31310-D-7-H	17 Dec 2010	14:39:09	1	3.3131
6	360-31310-D-7-I MS	17 Dec 2010	14:40:07	1	10.9988
7	360-31310-D-7-J MSD	17 Dec 2010	14:41:04	1	11.5757
8	360-31275-A-1-E	17 Dec 2010	14:42:02	1	3.6464
9	360-31310-D-1-F	17 Dec 2010	14:42:59	1	2.0917
10	360-31310-A-1-F DU	17 Dec 2010	14:43:56	1	1.5950
11	360-31310-D-2-D	17 Dec 2010	14:44:54	1	2.1875
12	360-31310-D-3-D	17 Dec 2010	14:45:51	1	3.9214
13	CCV 8.0mg/L	17 Dec 2010	14:46:48	1	7.7082
14	CCB	17 Dec 2010	14:47:45	1	-0.1516
15	360-31310-D-4-D	17 Dec 2010	14:48:41	1	5.6647
16	360-31310-D-5-D	17 Dec 2010	14:49:40	1	3.9120
17	360-31310-D-6-D	17 Dec 2010	14:50:38	1	3.9851
18	360-31310-D-11-D	17 Dec 2010	14:51:36	1	2.5709
19	360-31310-D-12-D	17 Dec 2010	14:52:35	1	2.8540
20	360-31310-D-14-C	17 Dec 2010	14:53:33	1	2.7754
21	360-31310-D-15-D	17 Dec 2010	14:54:31	1	4.0070
22	360-31310-D-16-D	17 Dec 2010	14:55:30	1	2.9754
23	360-31310-D-17-D	17 Dec 2010	14:56:28	1	2.3891
24	360-31310-D-18-D	17 Dec 2010	14:57:26	1	1.8267
25	CCV 8.0mg/L	17 Dec 2010	14:58:23	1	7.6439
26	CCB	17 Dec 2010	14:59:20	1	-0.1516

Ammonia Buffer=W10LRGT006; Sodium Phenolate=W10KRGT013; Sodium Nitroprusside=W10KRGT012; LCS=10 mg/L +/-15% (W09ISTK003). **ICV=LabChem 1000ppm Ammonia (as Nitrogen) Lot 9161-09 = W10ASTK002; TV=10.0 MG/L =+/- 10%.

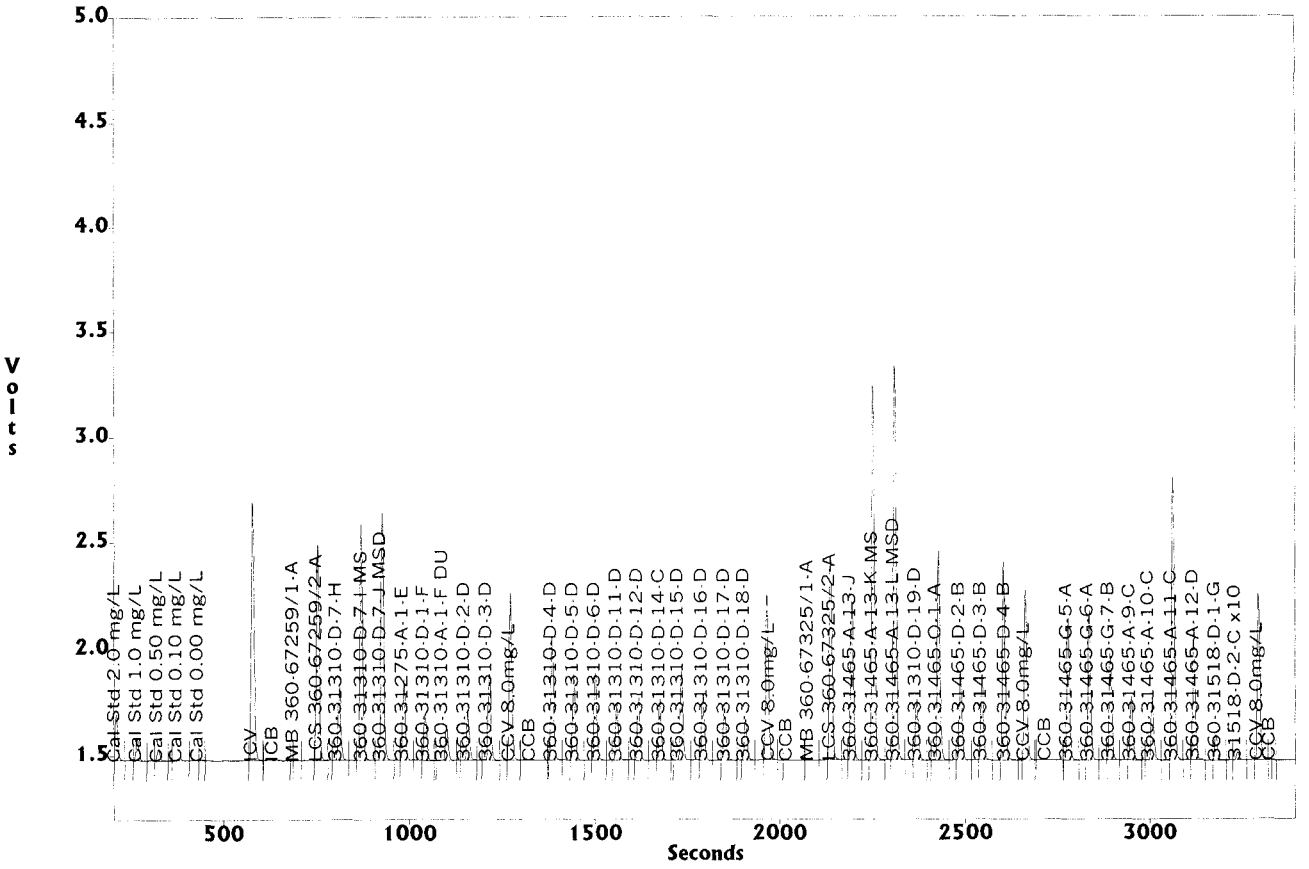
Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 27 to 60

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
27	MB 360-67325/1-A	17 Dec 2010	15:00:18	1	-0.1368
28	LCS 360-67325/2-A	17 Dec 2010	15:01:15	1	9.4036
29	360-31465-A-13-J	17 Dec 2010	15:02:12	1	7.1549
30	360-31465-A-13-K MS	17 Dec 2010	15:03:10	1	17.4230
31	360-31465-A-13-L MSD	17 Dec 2010	15:04:08	1	18.4376
32	360-31310-D-19-D	17 Dec 2010	15:05:06	1	2.8703
33	360-31465-O-1-A	17 Dec 2010	15:06:05	1	9.4726
34	360-31465-D-2-B	17 Dec 2010	15:07:03	1	4.0342
35	360-31465-D-3-B	17 Dec 2010	15:08:02	1	3.5731
36	360-31465-D-4-B	17 Dec 2010	15:09:00	1	9.1786
37	CCV 8.0mg/L	17 Dec 2010	15:09:58	1	7.8474
38	CCB	17 Dec 2010	15:10:57	1	-0.1516
39	360-31465-G-5-A	17 Dec 2010	15:11:54	1	6.4809
40	360-31465-G-6-A	17 Dec 2010	15:12:51	1	6.7366
41	360-31465-G-7-B	17 Dec 2010	15:13:49	1	4.8455
42	360-31465-A-9-C	17 Dec 2010	15:14:46	1	2.8726
43	360-31465-A-10-C	17 Dec 2010	15:15:43	1	2.9072
44	360-31465-A-11-C	17 Dec 2010	15:16:41	1	13.0627
45	360-31465-A-12-D	17 Dec 2010	15:17:38	1	5.6583
46	360-31518-D-1-G	17 Dec 2010	15:18:38	1	1.0424
47	31518-D-2-C x10	17 Dec 2010	15:19:37	1	0.2739
49	CCV 8.0mg/L	17 Dec 2010	15:20:35	1	7.6771
50	CCB	17 Dec 2010	15:21:34	1	-0.1340

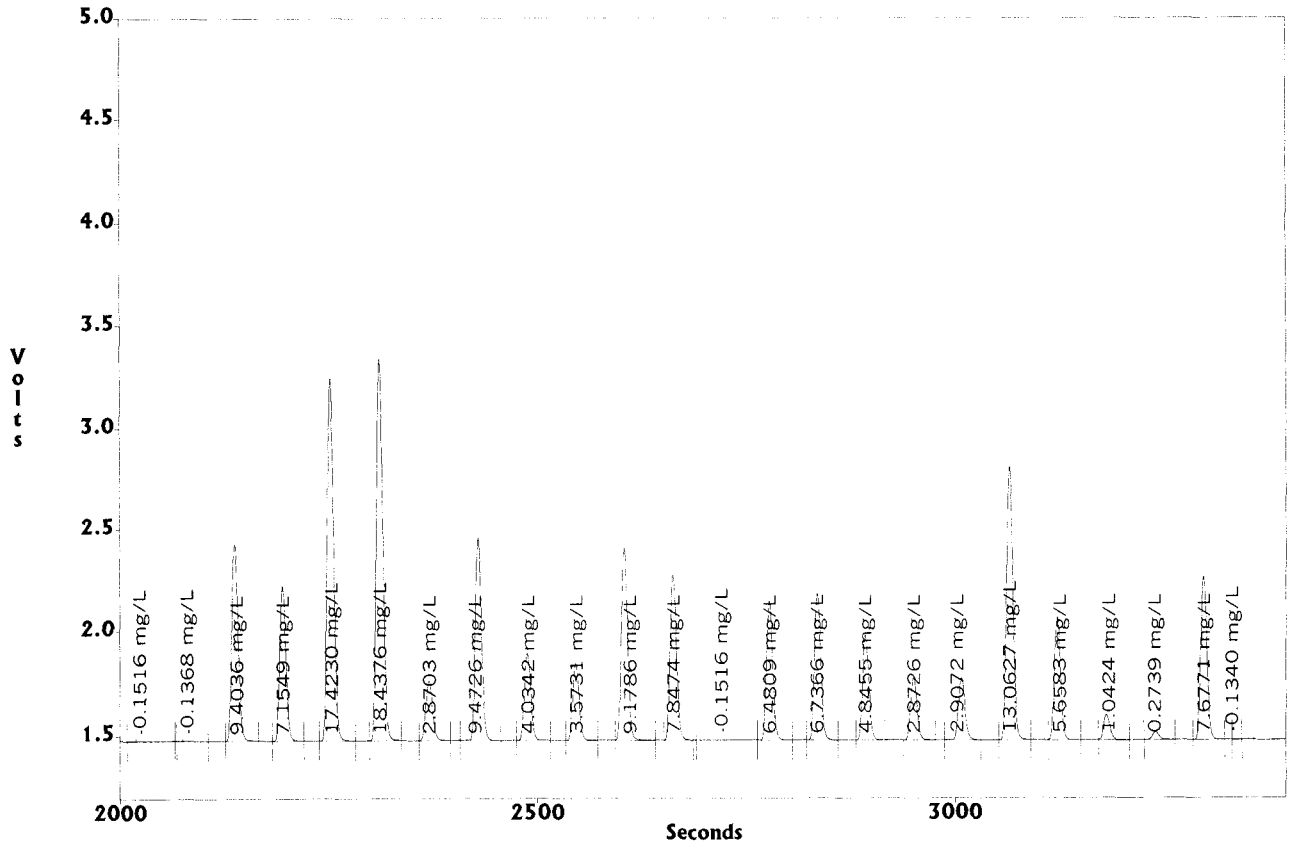

Channel 1 - Ammonia
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
ICV
ICB
MB 360-67259/1-A
LCS 360-67259/2-A
360-31310-D-7-H
360-31310-D-7-I MS
360-31310-D-7-J MSD
360-31275-A-1-E
360-31310-D-1-F
360-31310-A-1-F DU
360-31310-D-2-D
360-31310-D-3-D
CCV 8.0mg/L
CCB
360-31310-D-4-D
360-31310-D-5-D
360-31310-D-6-D
360-31310-D-11-D
360-31310-D-12-D
360-31310-D-14-C
360-31310-D-15-D
360-31310-D-16-D
360-31310-D-17-D
360-31310-D-18-D
CCV 8.0mg/L
500
1000
1500
2000
Seconds


Channel 1 - Ammonia
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
12.0522 mg/L
0.1516 mg/L
0.0994 mg/L
10.0489 mg/L
3.3131 mg/L
10.9988 mg/L
11.5757 mg/L
3.6464 mg/L
2.0917 mg/L
1.5950 mg/L
2.1875 mg/L
3.9214 mg/L
7.7082 mg/L
0.1516 mg/L
5.6647 mg/L
3.9120 mg/L
3.9851 mg/L
2.5709 mg/L
2.8540 mg/L
2.7754 mg/L
4.0070 mg/L
2.9754 mg/L
2.3891 mg/L
1.8267 mg/L
7.6439 mg/L
500
1000
1500
2000
Seconds

Channel 1 - Ammonia



Channel 1 - Ammonia



OPERATOR:	demo
ACQ. TIME:	Dec 17, 2010 14:27:06
DATA FILENAME:	C:\OMNION\DATA\2009\121710A.FDT
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2010\121710A.TRA

AMMONIA STANDARD CREATION SUMMARY

Date Made: 12/03/2010 Date Expires: 01/03/2011

Standard Conc. (mg/L):	20;	8;	2;	1;	0.5;	0.1
mLs of 100 mg/L NH3 INT STD:	20;	20;	2;	1;	0.5;	0.1
Final Vol (mLs) w/ DI H20	100;	250;	100;	100;	100;	100

100 mg/L NH3 INT STD: 10.0mL of Lab Chem Lot 9238-20 diluted to 100mL

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 96 to 130

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

Easy-DIST Distillation Log

Analyst Initials: PWE Date: 12-16-10

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = N+3 Temperature = 210 Start Time = 1100 Stop Time = 1260	Run #2 Method = Temperature = Start Time = Stop Time =	Run #3 Method = Temperature = Start Time = Stop Time =	<-----PAC Use Only-----> Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB								
2	LCS								
3	3131007								
4	↓ MS								
5	MSD								
6	31275A1								
7	3131D01								
8	A1 DU								
9	D2								
10	D3								
11	D4								
12	D5								
13	D6								
14	D11								
15	D12								
16	D14								
17	D15								
18	D16								
19	D17								
20	D18								

PWE 12-16-10

Easy-DIST Distillation Log

Analyst Initials: fw

Date: 12-17-10

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = NH3 Temperature = 210 Start Time = 1010 Stop Time = 1122	Run #2 Method = Temperature = Start Time = Stop Time =	Run #3 Method = Temperature = Start Time = Stop Time =	<----------PAC Use Only---------->					
				Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB								
2	LCS								
3	31465A13								
4	MS								
5	MSD								
6	31310 D19								
7	31465 01								
8	D2								
9	D3								
10	D4								
11	G5								
12	G6								
13	G7								
14	A9								
15	A10								
16	A11								
17	A12								
18	31518 01								
19	02								
20									

fw 12-17-10

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67259

Analyst: Emerich, Rich W

Batch Open: 12/16/2010 11:08:22AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Dlv Rank	Comments	Output Sample Lab ID
1	MB~360-67259/1 N/A	N/A		1 g	50 mL	N/A	N/A	N/A		MB 360-67259/1-A
2	LCS~360-67259/2 N/A	N/A		1 g	50 mL	N/A	N/A	N/A		LCS 360-67259/2-A
3	360-31310-D-7 (LACH_107_06_1_B)	360-31310-1	Solid	1.14 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-7-H
4	360-31310-D-7~MS (LACH_107_06_1_B)	360-31310-1	Solid	0.89 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-7-I MS
5	360-31310-D-7~MSD (LACH_107_06_1_B)	360-31310-1	Solid	0.98 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-7-J MSD
6	360-31275-A-1 (LACH_107_06_1_B)	N/A	Solid	1.16 g	50 mL	12/13/10	9_Days - R	1		360-31275-A-1-E
7	360-31310-D-1 (LACH_107_06_1_B)	360-31310-1	Solid	1.76 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-1-F
8	360-31310-A-1~DU (LACH_107_06_1_B)	360-31310-1	Solid	1.91 g	50 mL	12/28/10	15_Days - E	4		360-31310-A-1-F DU
9	360-31310-D-2 (LACH_107_06_1_B)	360-31310-1	Solid	2.42 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-2-D
10	360-31310-D-3 (LACH_107_06_1_B)	360-31310-1	Solid	0.97 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-3-D
11	360-31310-D-4 (LACH_107_06_1_B)	360-31310-1	Solid	2.20 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-4-D
12	360-31310-D-5 (LACH_107_06_1_B)	360-31310-1	Solid	1.60 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-5-D
13	360-31310-D-6 (LACH_107_06_1_B)	360-31310-1	Solid	1.84 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-6-D
14	360-31310-D-11 (LACH_107_06_1_B)	360-31310-1	Solid	1.89 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-11-D

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Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67259 Analyst: Emerich, Rich W Batch Open: 12/16/2010 11:08:22AM

Method Code: 360-Distill_Ammonia-360 Batch End:

15	360-31310-D-12 (LACH_107_06_1_B)	360-31310-1	Solid	1.48 g	50 mL	12/28/10	15_Days - E	4	
16	360-31310-D-14 (LACH_107_06_1_B)	360-31310-1	Solid	1.67 g	50 mL	12/28/10	15_Days - E	4	
17	360-31310-D-15 (LACH_107_06_1_B)	360-31310-1	Solid	1.69 g	50 mL	12/28/10	15_Days - E	4	
18	360-31310-D-16 (LACH_107_06_1_B)	360-31310-1	Solid	1.33 g	50 mL	12/28/10	15_Days - E	4	
19	360-31310-D-17 (LACH_107_06_1_B)	360-31310-1	Solid	1.98 g	50 mL	12/28/10	15_Days - E	4	
20	360-31310-D-18 (LACH_107_06_1_B)	360-31310-1	Solid	2.41 g	50 mL	12/28/10	15_Days - E	4	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67259

Method Code: 360-Distill_Ammonia-360

Analyst: Emerich, Rich W

Batch Open: 12/16/2010 11:08:22AM

Batch End:

Batch Notes

NaOH Lot #	BAKER H06026
Buffer Reagent ID Number	W10JRGT019
Uncorrected Temperature	
Temperature	
Distillation Start Time	1100
Distillation End Time	1210
ID number of the thermometer	
Uncorrected Distill Temperature	
Distillation Temperature	210
Sulfuric Acid Reagent ID Number	W10HRGT013
Batch Comment	
Distilliation Unit ID	EASYDIST
Acid used for pH adjustment	
Base used for pH adjustment	
Sulfuric Acid Lot Number	
Buffer Lot #	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67259

Method Code: 360-Distill_Ammonia-360

Analyst: Emerich, Rich W

Batch Open: 12/16/2010 11:08:22AM

Batch End:

Comments

Login Comments for Job 31310: MCP/TICS on all 8260/8270/Level 4/need dilution log attached to data/client needs executive summary page in all reports.

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67259
Method Code: 360-Distill_Ammonia-360

Analyst: Emerich, Rich W

Batch Open: 12/16/2010 11:08:22AM
Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-67259/2	W10K_NH3_STND_00001	500 uL	50 mL		
360-31310-D-7 MS	W10K_NH3_STND_00001	500 uL	50 mL		
360-31310-D-7 MSD	W10K_NH3_STND_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67325 Analyst: Emerich, Rich W Batch Open: 12/17/2010 10:20:32AM

Method Code: 360-Distill_Ammonia-360 Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Dlv Rank	Comments	Output Sample Lab ID
1	MB~360-67325/1 N/A	N/A		1.0 g	50 mL	N/A	N/A	N/A		MB 360-67325/1-A
2	LCS~360-67325/2 N/A	N/A		1.0 g	50 mL	N/A	N/A	N/A		LCS 360-67325/2-A
3	360-31465-A-13 (LACH_107_06_1_B)	360-31465-1	Solid	2.34 g	50 mL	12/23/10	9_Days - R	4		360-31465-A-13-J
	360-31465-A-13~MS (LACH_107_06_1_B)	360-31465-1	Solid	2.42 g	50 mL	12/23/10	9_Days - R	4		360-31465-A-13-K MS
	360-31465-A-13~MSD (LACH_107_06_1_B)	360-31465-1	Solid	2.07 g	50 mL	12/23/10	9_Days - R	4		360-31465-A-13-L MSD
	360-31310-D-19 (LACH_107_06_1_B)	360-31310-1	Solid	1.21 g	50 mL	12/28/10	15_Days - E	4		360-31310-D-19-D
	360-31465-O-1 (LACH_107_06_1_B)	360-31465-1	Solid	3.11 g	50 mL	12/23/10	9_Days - R	4		360-31465-O-1-A
8	360-31465-D-2 (LACH_107_06_1_B)	360-31465-1	Solid	2.47 g	50 mL	12/23/10	9_Days - R	4		360-31465-D-2-B
9	360-31465-D-3 (LACH_107_06_1_B)	360-31465-1	Solid	3.02 g	50 mL	12/23/10	9_Days - R	4		360-31465-D-3-B
10	360-31465-D-4 (LACH_107_06_1_B)	360-31465-1	Solid	1.83 g	50 mL	12/23/10	9_Days - R	4		360-31465-D-4-B
11	360-31465-G-5 (LACH_107_06_1_B)	360-31465-1	Solid	2.33 g	50 mL	12/23/10	9_Days - R	4		360-31465-G-5-A
12	360-31465-G-6 (LACH_107_06_1_B)	360-31465-1	Solid	2.69 g	50 mL	12/23/10	9_Days - R	4		360-31465-G-6-A
13	360-31465-G-7 (LACH_107_06_1_B)	360-31465-1	Solid	2.35 g	50 mL	12/23/10	9_Days - R	4		360-31465-G-7-B
14	360-31465-A-9 (LACH_107_06_1_B)	360-31465-1	Solid	2.67 g	50 mL	12/23/10	9_Days - R	4		360-31465-A-9-C

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Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67325 Analyst: Emerich, Rich W Batch Open: 12/17/2010 10:20:32AM

Method Code: 360-Distill_Ammonia-360 Batch End:

15	360-31465-A-10 (LACH_107_06_1_B)	360-31465-1	Solid	3.11 g	50 mL	12/23/10	9_Days - R	4	
16	360-31465-A-11 (LACH_107_06_1_B)	360-31465-1	Solid	4.21 g	50 mL	12/23/10	9_Days - R	4	
17	360-31465-A-12 (LACH_107_06_1_B)	360-31465-1	Solid	2.25 g	50 mL	12/23/10	9_Days - R	4	
18	360-31518-D-1 (LACH_107_06_1_B)	360-31518-1	Solid	2.77 g	50 mL	12/28/10	9_Days - R	4	
19	360-31518-D-2 (LACH_107_06_1_B)	360-31518-1	Solid	6.27 g	50 mL	12/28/10	9_Days - R	4	
20	N/A	N/A				N/A	N/A	N/A	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67325 Analyst: Emerich, Rich W Batch Open: 12/17/2010 10:20:32AM

Method Code: 360-Distill_Ammonia-360 Batch End:

Batch Notes

NaOH Lot #	BAKER H06026
Buffer Reagent ID Number	W10JRGT019
Uncorrected Temperature	
Temperature	
Distillation Start Time	1010
Distillation End Time	1122
ID number of the thermometer	
Uncorrected Distill Temperature	
Distillation Temperature	210
Sulfuric Acid Reagent ID Number	W10HRGT013
Batch Comment	
Distilliation Unit ID	EASYDIST
Acid used for pH adjustment	
Base used for pH adjustment	
Sulfuric Acid Lot Number	
Buffer Lot #	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67325 Analyst: Emerich, Rich W Batch Open: 12/17/2010 10:20:32AM

Method Code: 360-Distill_Ammonia-360 Batch End:

Comments

Login Comments for Job	31465:	MCP/TICS on all 8260/8270/Level 4/need dilution log attached to data/client needs executive summary page in all reports. Samples #1, 5-7, 12 and 13 need DPA.
Login Comments for Job	31310:	MCP/TICS on all 8260/8270/Level 4/need dilution log attached to data/client needs executive summary page in all reports.
Login Comments for Job	31518:	MCP/TICS on all 8260/8270/Level 4/need dilution log attached to data/client needs executive summary page in all reports.

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-67325
Method Code: 360-Distill_Ammonia-360

Analyst: Emerich, Rich W

Batch Open: 12/17/2010 10:20:32AM
Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-67325/2	W10K_NH3_STND_00001	500 uL	50 mL		
360-31465-A-13 MS	W10K_NH3_STND_00001	500 uL	50 mL		
360-31465-A-13 MSD	W10K_NH3_STND_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Report date: 12/21/2010 12:45:13 PM
Printed by: TestAmerica - Edison

Ident: 0
Analysis from: 12/18/2010 11:04:31 AM
File: uc181104.chw Last save: 12/18/2010 11:39:34 AM

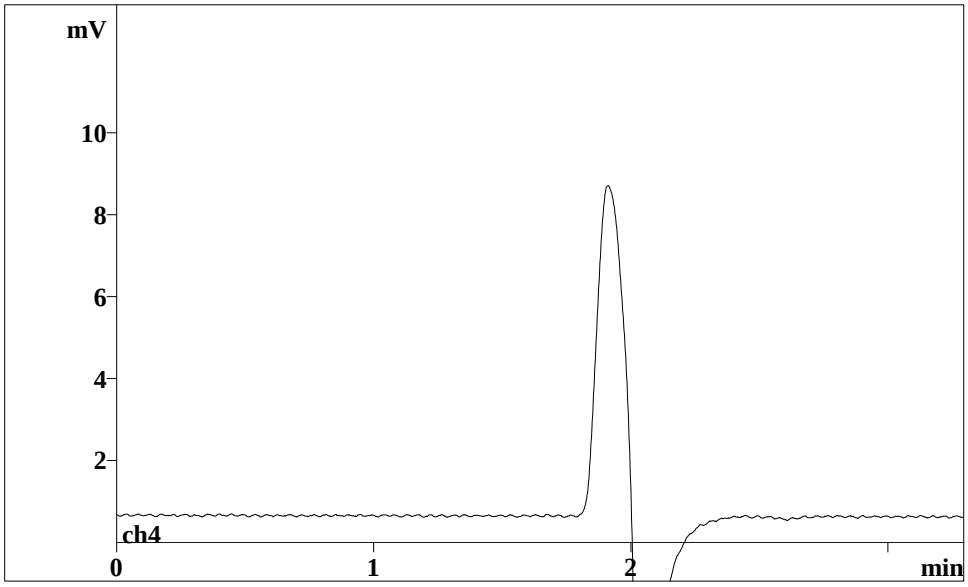
Method: stl_hexchrome_soil.mtw Last save: 12/6/2010 2:06:56
Run operator: TestAmerica - Edison
Analysis number: 32123

SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No peaks

Report date: 12/21/2010 12:45:26 PM
Printed by: TestAmerica - Edison

Ident: 5
Analysis from: 12/18/2010 11:11:43 AM
File: uc181111.chw Last save: 12/18/2010 11:39:34 AM

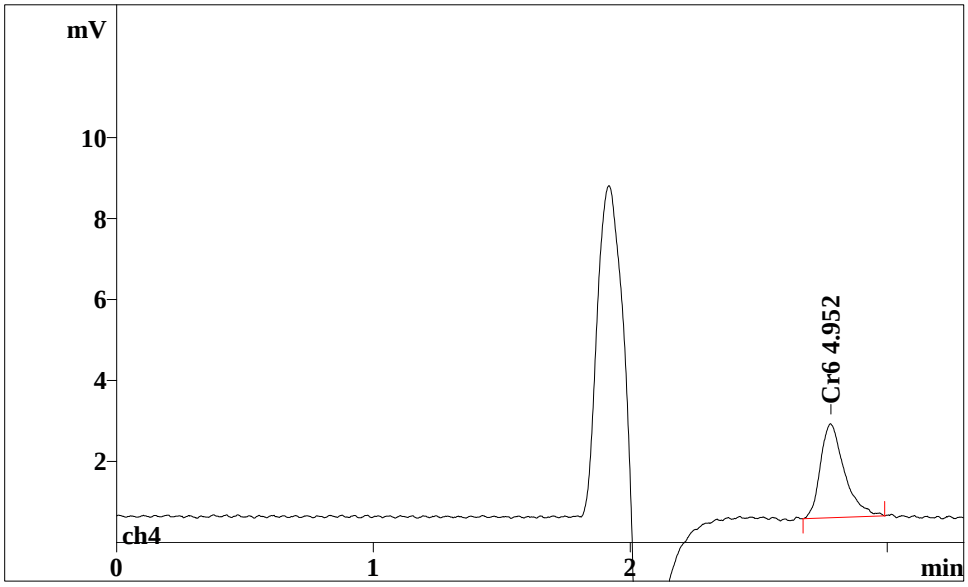
Method: stl_hexchrome_soil.mtw Last save: 12/6/2010 2:06:56
Run operator: TestAmerica - Edison
Analysis number: 32124

SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.78;	0.096;	2.32;	99.73;	15.063;	100.00;	0.00;	0.00;	41

Report date: 12/21/2010 12:45:33 PM
Printed by: TestAmerica - Edison

Ident: 10
Analysis from: 12/18/2010 11:18:56 AM
File: uc181118.chw Last save: 12/18/2010 11:39:34 AM

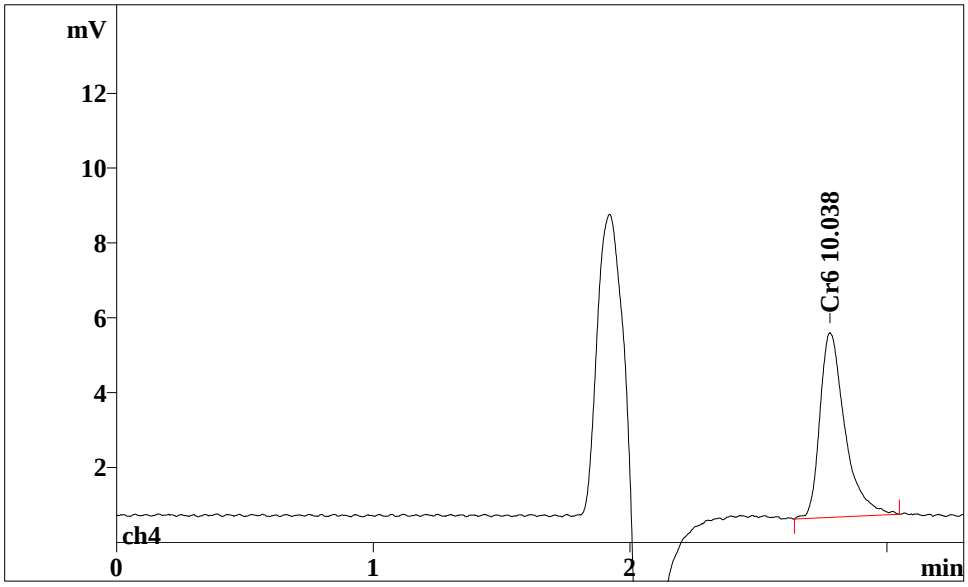
Method: stl_hexchrome_soil.mtw Last save: 12/6/2010 2:06:56
Run operator: TestAmerica - Edison
Analysis number: 32125

SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.78;	0.098;	4.93;	99.82;	33.432;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:45:36 PM
Printed by: TestAmerica - Edison

Ident: 25
Analysis from: 12/18/2010 11:26:10 AM
File: uc181126.chw Last save: 12/18/2010 11:39:34 AM

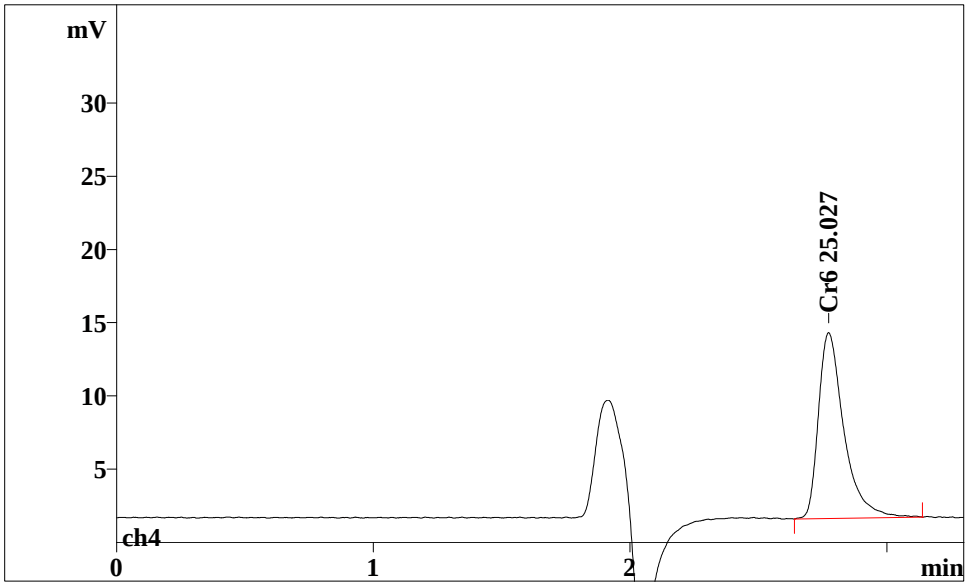
Method: stl_hexchrome_soil.mtw Last save: 12/6/2010 2:06:56
Run operator: TestAmerica - Edison
Analysis number: 32126

SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.100;	12.69;	99.99;	87.573;	100.00;	0.00;	0.00;	36

Report date: 12/21/2010 12:45:39 PM
Printed by: TestAmerica - Edison

Ident: 50
Analysis from: 12/18/2010 11:33:24 AM
File: uc181133.chw Last save: 12/18/2010 11:39:35 AM

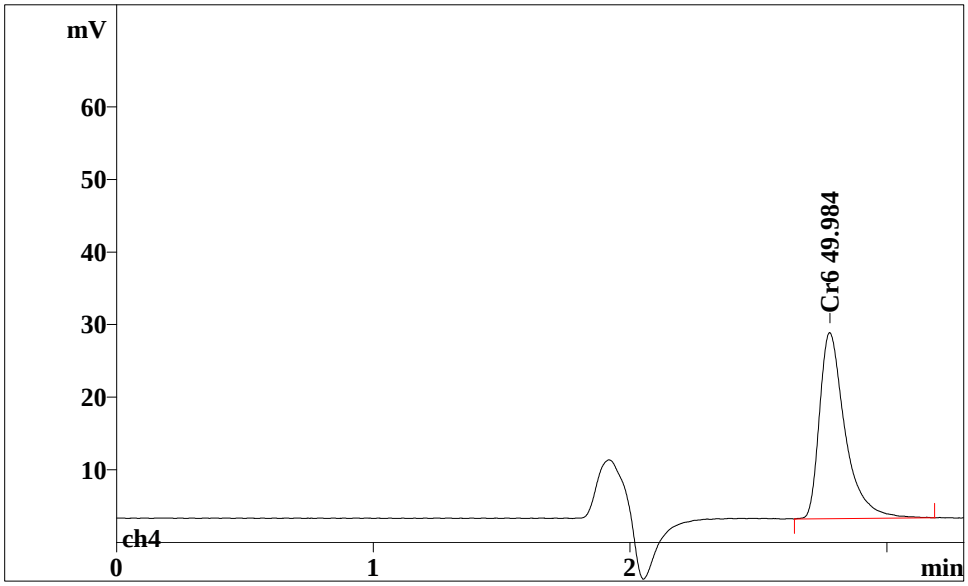
Method: stl_hexchrome_soil.mtw Last save: 12/6/2010 2:06:56
Run operator: TestAmerica - Edison
Analysis number: 32127

SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.78;	0.100;	25.64;	100.03;	177.718;	100.00;	0.00;	0.00;	36

Report date: 12/21/2010 12:45:43 PM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 12/18/2010 11:40:39 AM
File: uc181140.chw Last save: 12/18/2010 11:43:57 AM

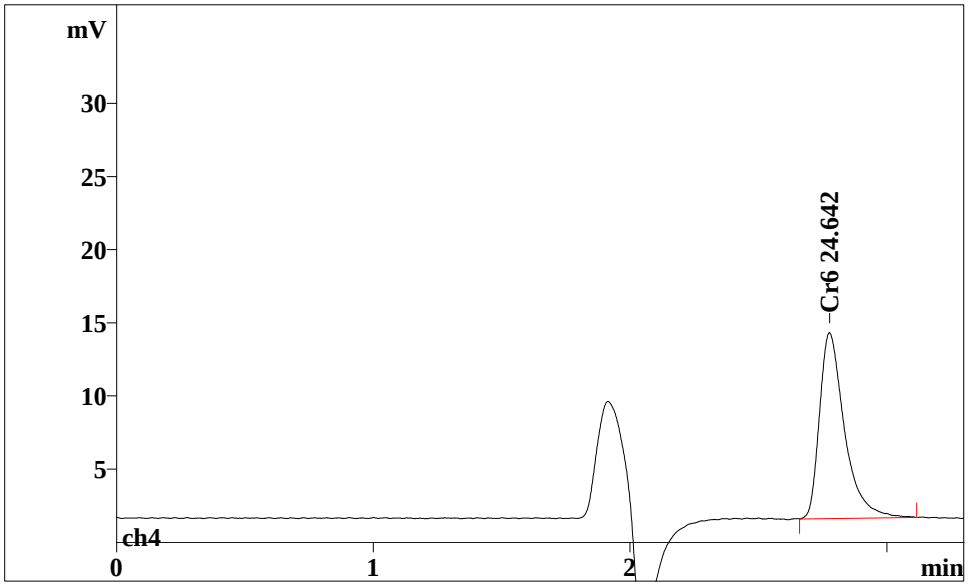
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:36:
Run operator: TestAmerica - Edison
Analysis number: 32128

SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.2 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.78;	0.098;	12.70;	99.96;	85.930;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:45:47 PM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 12/18/2010 11:47:55 AM
File: uc181147.chw Last save: 12/18/2010 11:51:13 AM

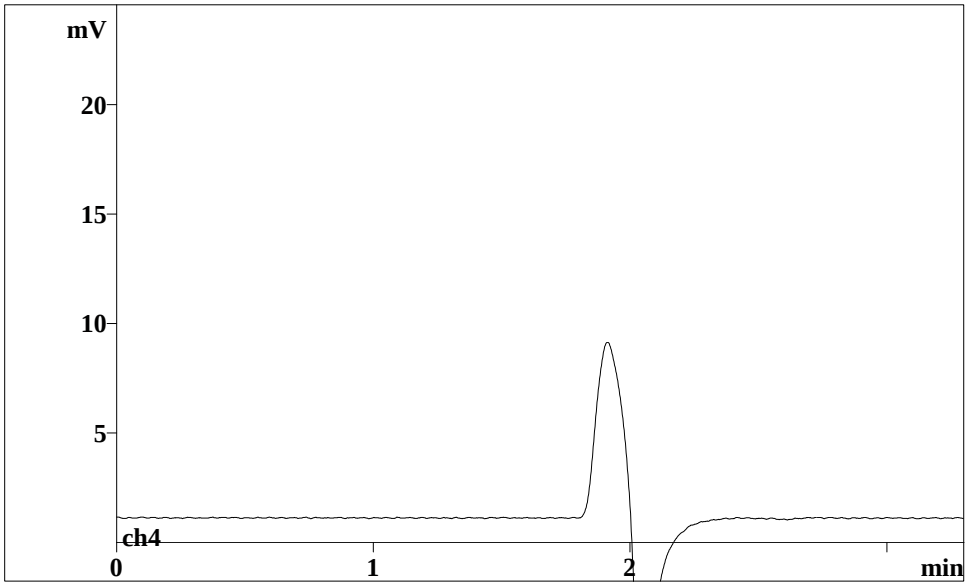
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32129

SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No peaks

Report date: 12/21/2010 12:45:52 PM
Printed by: TestAmerica - Edison

Ident: MB 460-59082/1-A@10
Analysis from: 12/18/2010 11:55:11 AM
File: uc181155.chw Last save: 12/18/2010 11:58:29 AM

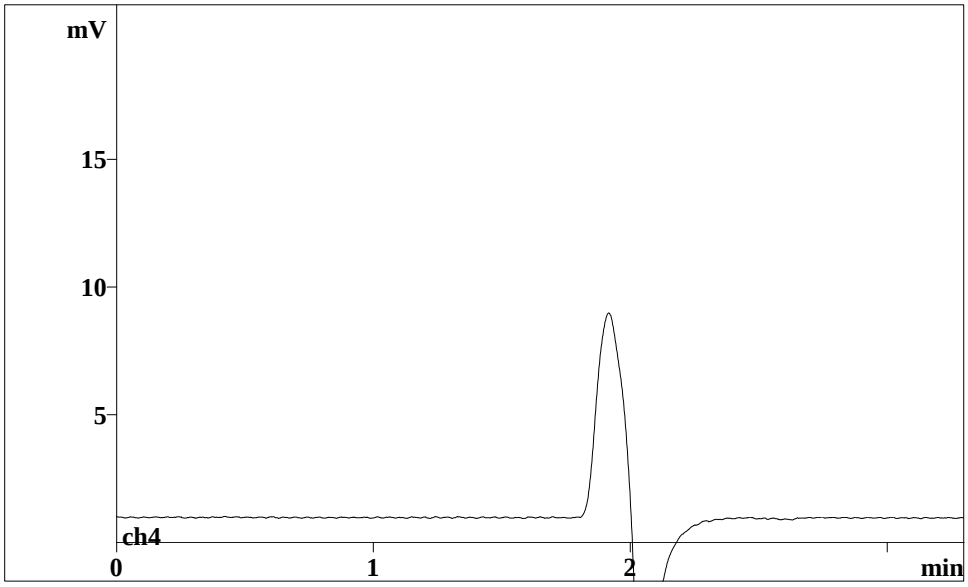
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32130

SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.2 MPa



No peaks

Report date: 12/21/2010 12:45:56 PM
Printed by: TestAmerica - Edison

Ident: MB 460-59082/1-A@10
Analysis from: 12/18/2010 12:02:28 PM
File: uc181202.chw Last save: 12/18/2010 12:05:46 PM

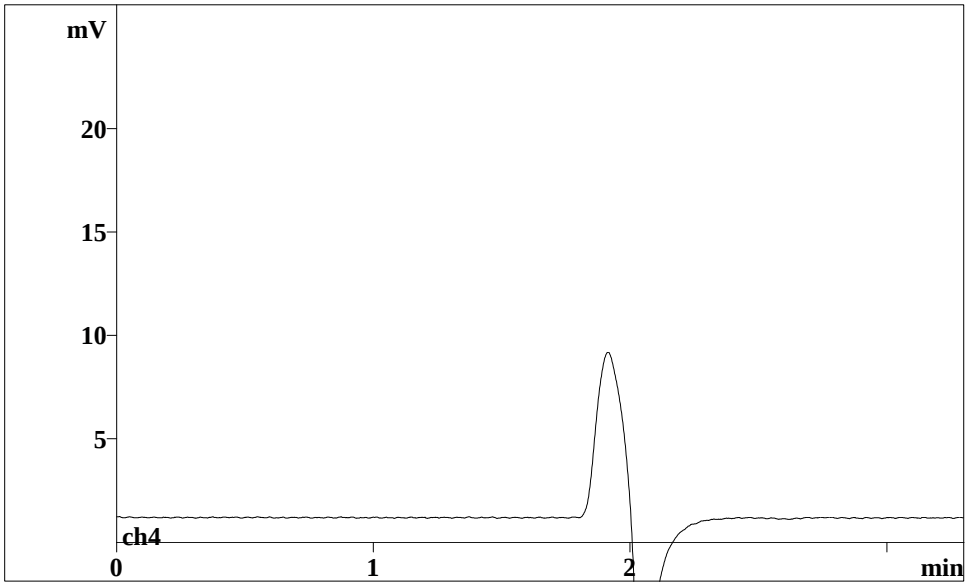
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32131

SAMPLE: 100ul loop
:
Vial number: 9
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:45:59 PM
Printed by: TestAmerica - Edison

Ident: LCSS 460-59082/2-A@25
Analysis from: 12/18/2010 12:09:45 PM
File: uc181209.chw Last save: 12/18/2010 12:13:03 PM

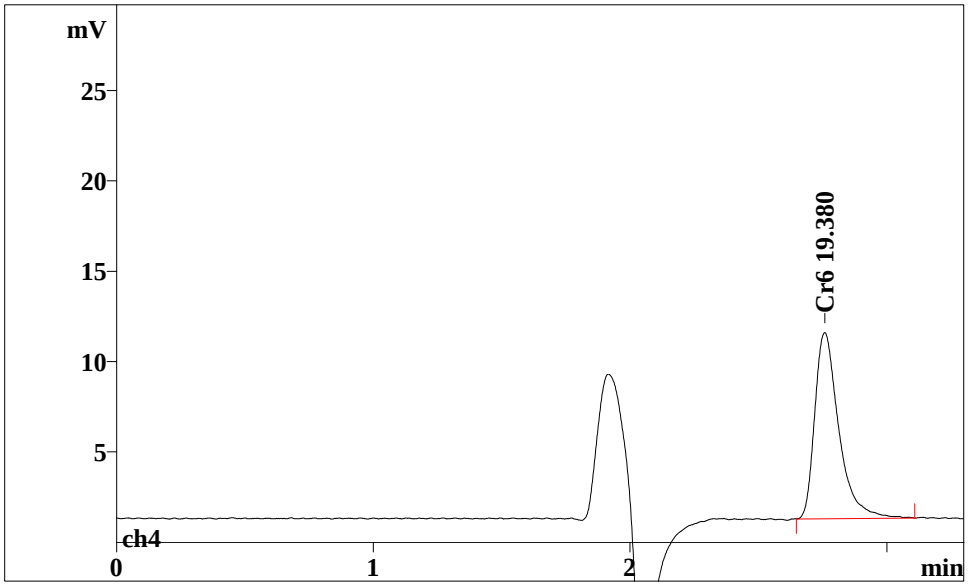
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32132

SAMPLE: 100ul loop
:
Vial number: 10
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.76;	0.096;	10.30;	100.04;	67.177;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:46:02 PM
Printed by: TestAmerica - Edison

Ident: LCSS 460-59082/2-A@25
Analysis from: 12/18/2010 12:17:03 PM
File: uc181217.chw Last save: 12/18/2010 12:20:21 PM

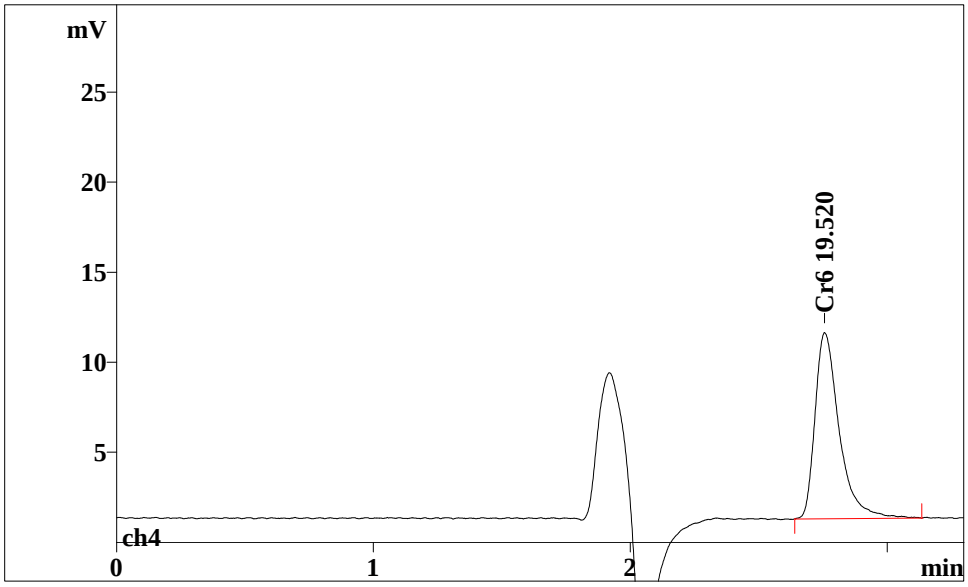
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32133

SAMPLE: 100ul loop
:
Vial number: 11
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.76;	0.095;	10.33;	99.96;	67.684;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:46:05 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-59082/3-A@500
Analysis from: 12/18/2010 12:24:22 PM
File: uc181224.chw Last save: 12/18/2010 12:27:40 PM

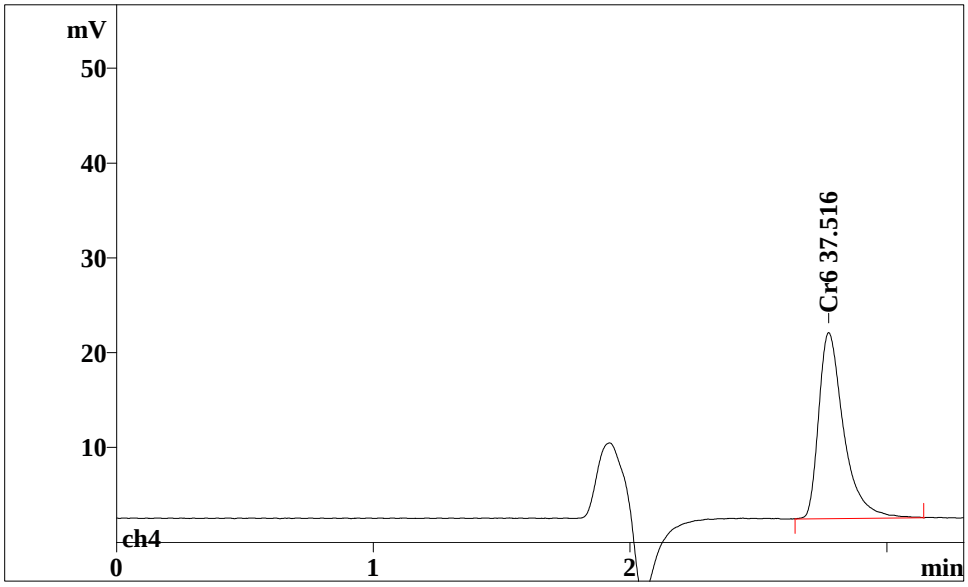
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32134

SAMPLE: 100ul loop
:
Vial number: 12
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	19.62;	100.02;	132.686;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:46:09 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-59082/3-A@500
Analysis from: 12/18/2010 12:31:41 PM
File: uc181231.chw Last save: 12/18/2010 12:34:59 PM

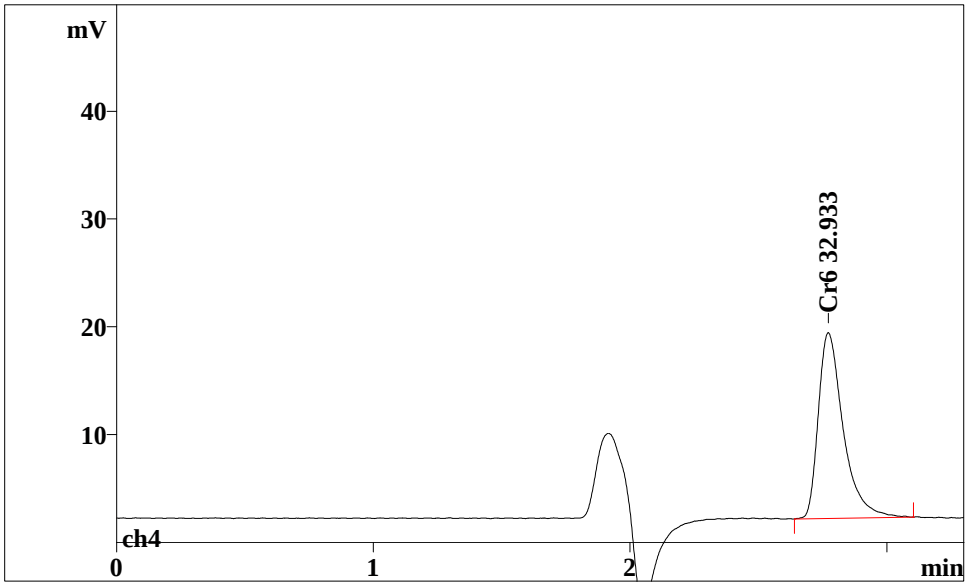
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32135

SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.2 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	17.23;	99.99;	116.129;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:46:14 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-A@10
Analysis from: 12/18/2010 12:39:00 PM
File: uc181239.chw Last save: 12/18/2010 12:42:19 PM

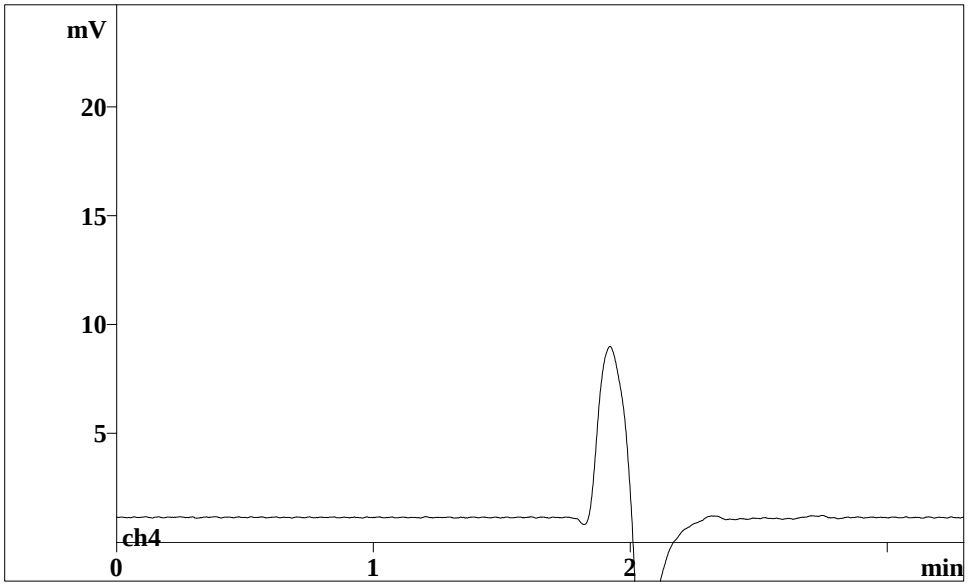
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32136

SAMPLE: 100ul loop
:
Vial number: 14
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:46:19 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-A@10
Analysis from: 12/18/2010 12:46:21 PM
File: uc181246.chw Last save: 12/18/2010 12:49:39 PM

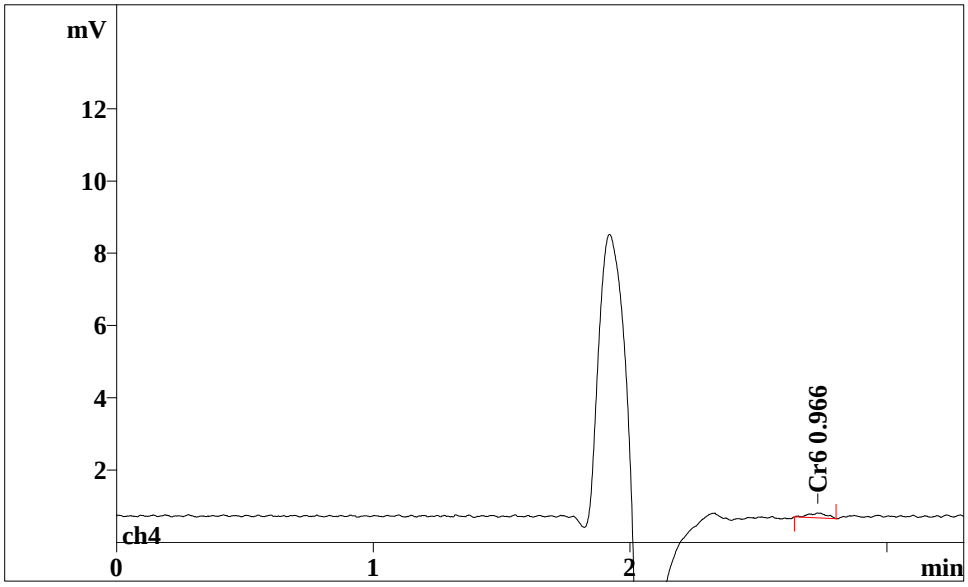
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32137

SAMPLE: 100ul loop
:
Vial number: 15
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.097;	0.13;	97.24;	0.668;	100.00;	0.00;	0.00;	71

Report date: 12/21/2010 12:46:25 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-B DU@10
Analysis from: 12/18/2010 12:53:42 PM
File: uc181253.chw Last save: 12/18/2010 12:57:01 PM

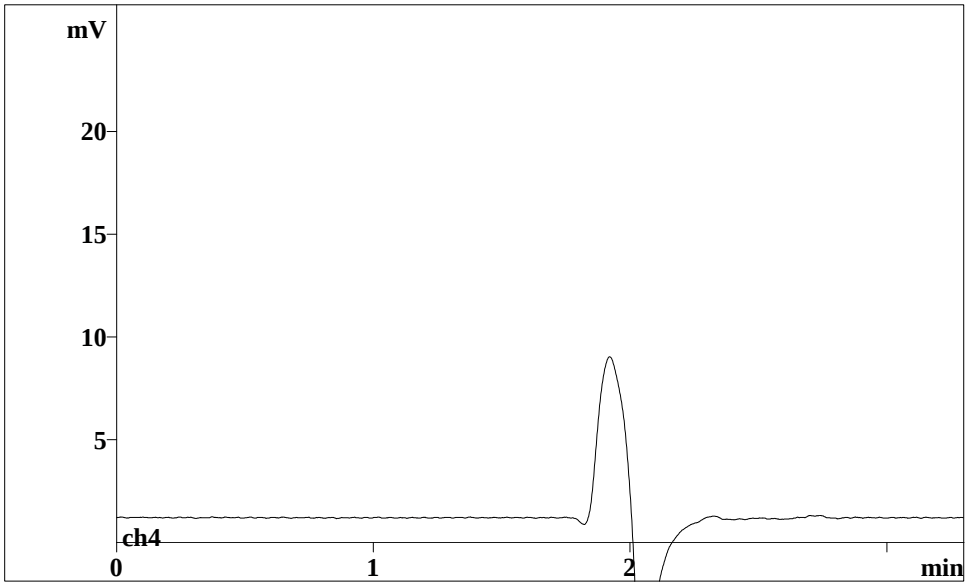
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32138

SAMPLE: 100ul loop
:
Vial number: 16
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:46:30 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-B DU@10
Analysis from: 12/18/2010 1:01:04 PM
File: uc181301.chw Last save: 12/18/2010 1:04:22 PM

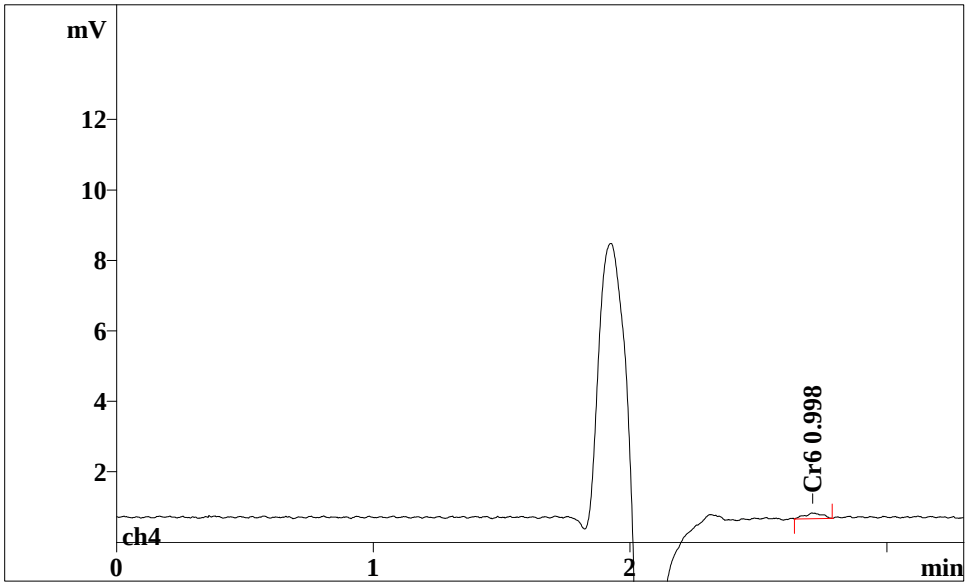
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32139

SAMPLE: 100ul loop
:
Vial number: 17
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.101;	0.16;	97.47;	0.782;	100.00;	0.00;	0.00;	73

Report date: 12/21/2010 12:46:34 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/18/2010 1:08:25 PM
File: uc181308.chw Last save: 12/18/2010 1:11:44 PM

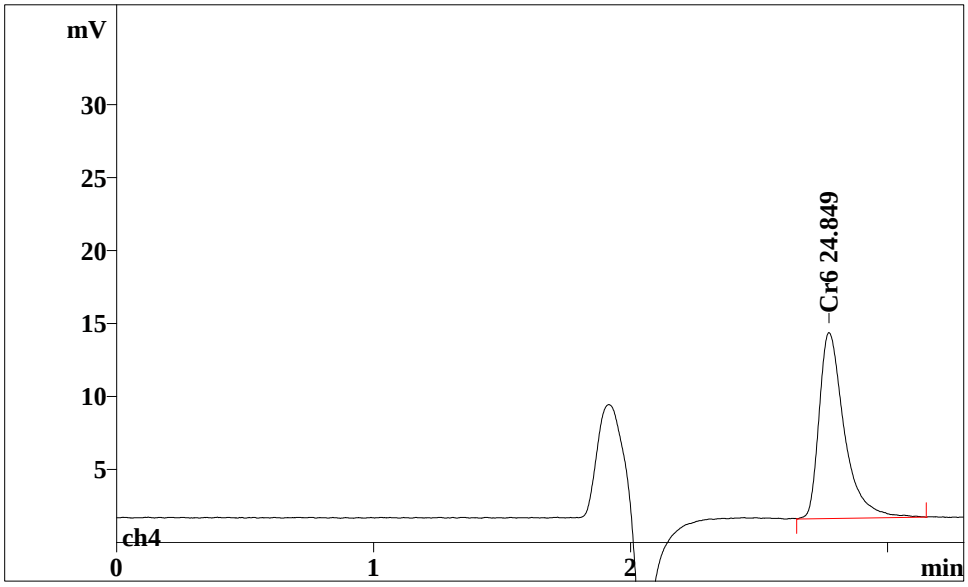
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32140

SAMPLE: 100ul loop
:
Vial number: 18
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.74;	100.02;	86.930;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:46:38 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/18/2010 1:15:47 PM
File: uc181315.chw Last save: 12/18/2010 1:19:06 PM

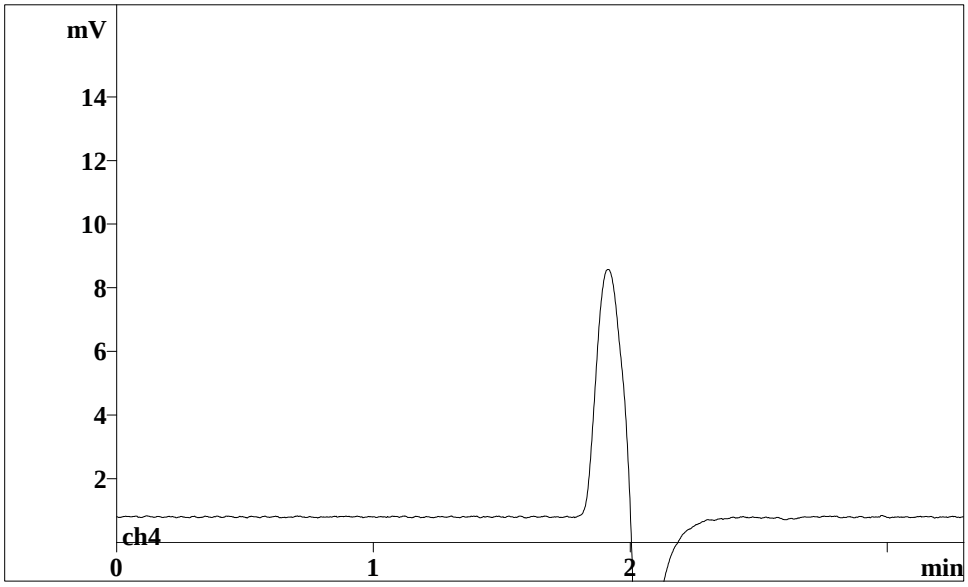
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32141

SAMPLE: 100ul loop
:
Vial number: 19
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:46:42 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-C MSS@40
Analysis from: 12/18/2010 1:23:10 PM
File: uc181323.chw Last save: 12/18/2010 1:26:28 PM

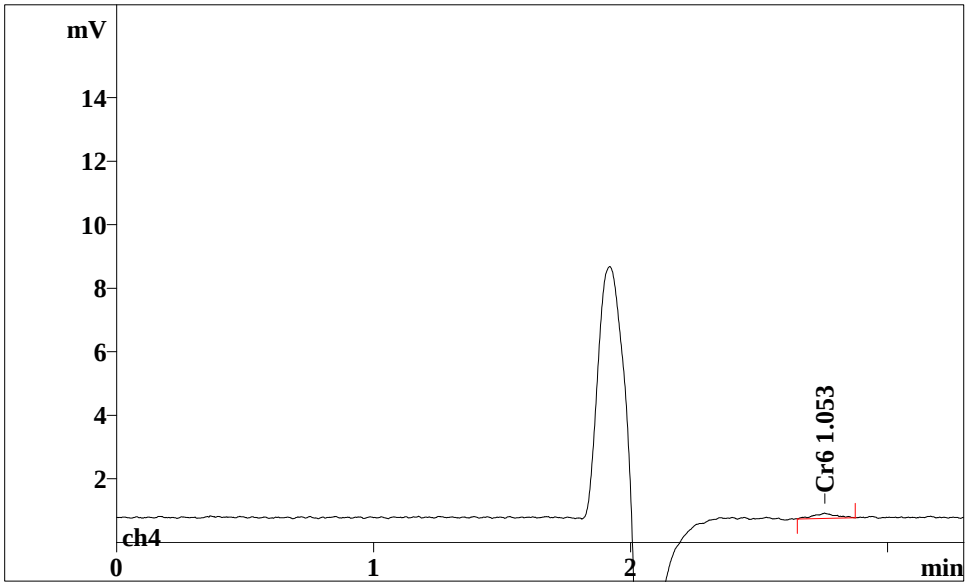
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32142

SAMPLE: 100ul loop
:
Vial number: 20
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.093;	0.16;	95.09;	0.982;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:46:47 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-C MSS@40
Analysis from: 12/18/2010 1:30:32 PM
File: uc181330.chw Last save: 12/18/2010 1:33:50 PM

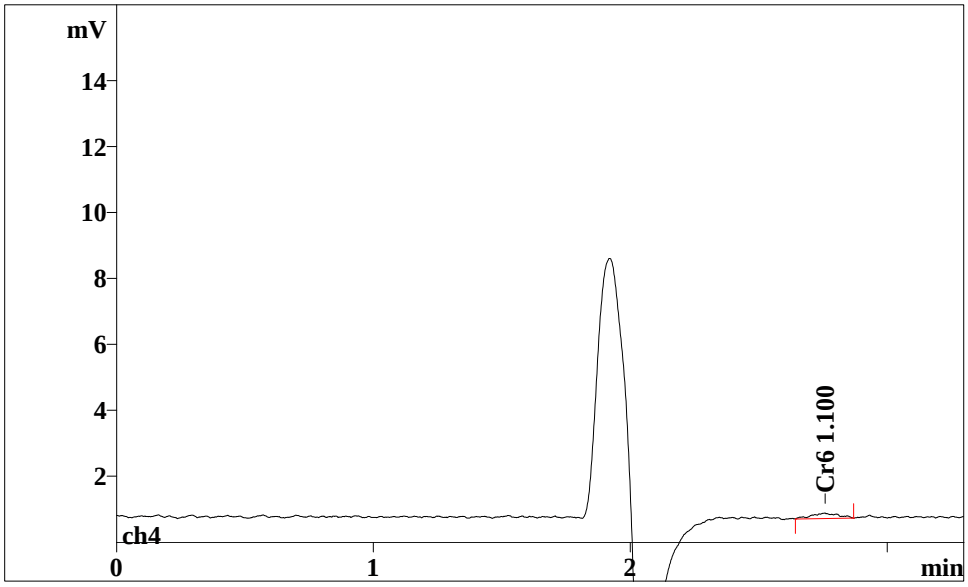
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32143

SAMPLE: 100ul loop
:
Vial number: 21
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.113;	0.16;	96.24;	1.149;	100.00;	0.00;	0.00;	36

Report date: 12/21/2010 12:46:52 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-D MSI@500
Analysis from: 12/18/2010 1:37:54 PM
File: uc181337.chw Last save: 12/18/2010 1:41:13 PM

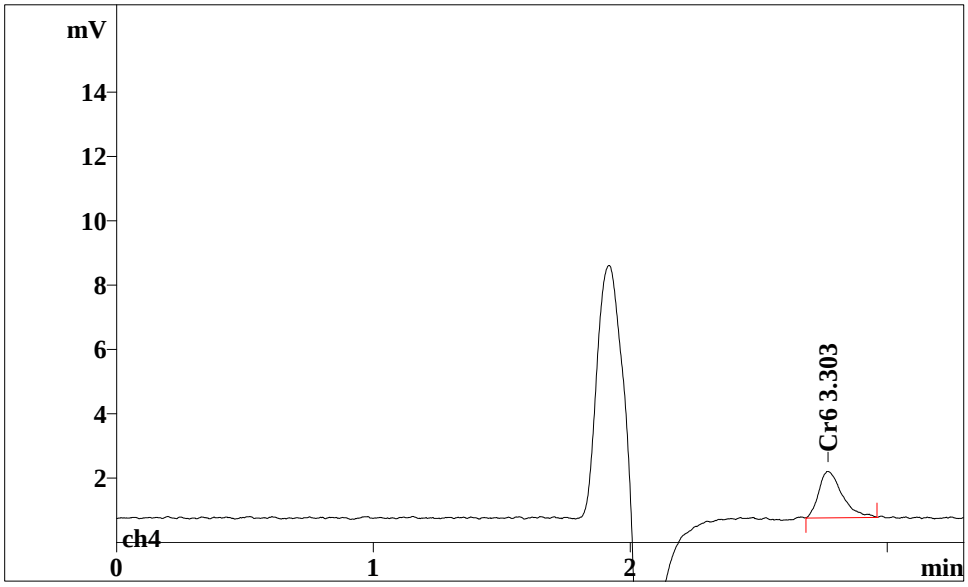
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32144

SAMPLE: 100ul loop
:
Vial number: 22
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.093;	1.45;	99.96;	9.109;	100.00;	0.00;	0.00;	43

Report date: 12/21/2010 12:46:55 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-D MSI@500
Analysis from: 12/18/2010 1:45:17 PM
File: uc181345.chw Last save: 12/18/2010 1:48:35 PM

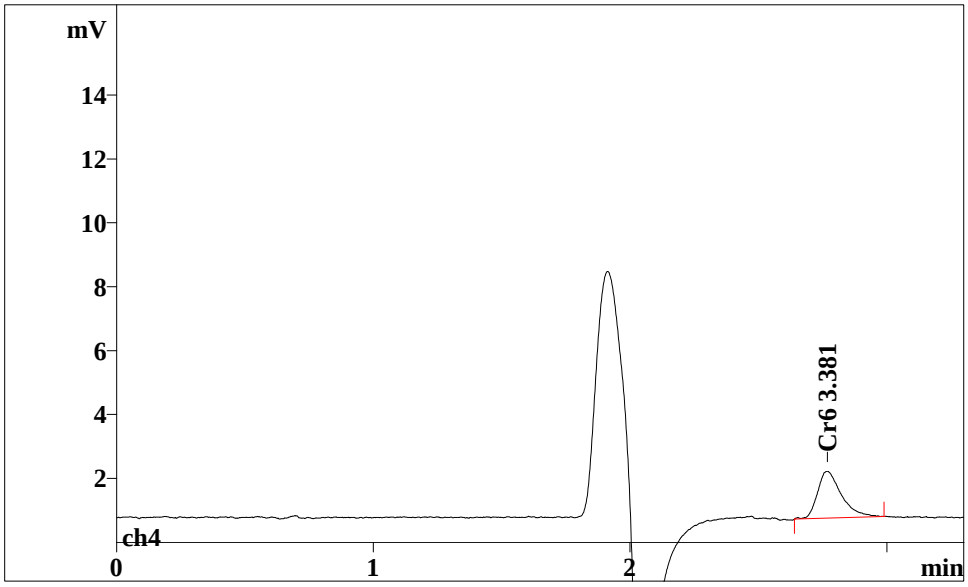
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32145

SAMPLE: 100ul loop
:
Vial number: 23
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.094;	1.46;	100.02;	9.388;	100.00;	0.00;	0.00;	42

Report date: 12/21/2010 12:47:01 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-1-A@10
Analysis from: 12/18/2010 1:52:39 PM
File: uc181352.chw Last save: 12/18/2010 1:55:57 PM

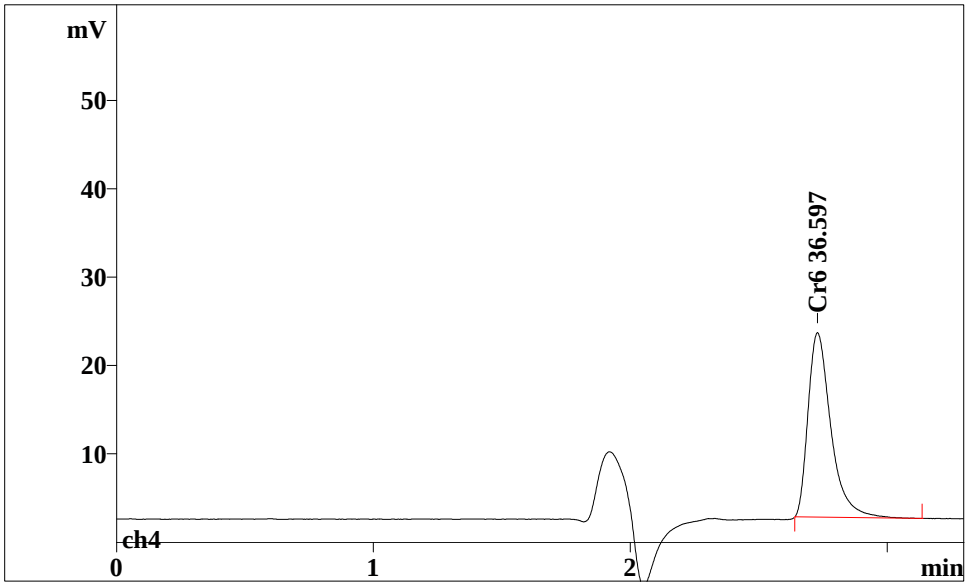
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32146

SAMPLE: 100ul loop
:
Vial number: 24
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.091;	20.89;	99.98;	129.364;	100.00;	0.00;	0.00;	43

Report date: 12/21/2010 12:47:12 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-1-A@10
Analysis from: 12/18/2010 2:00:01 PM
File: uc181400.chw Last save: 12/18/2010 2:03:20 PM

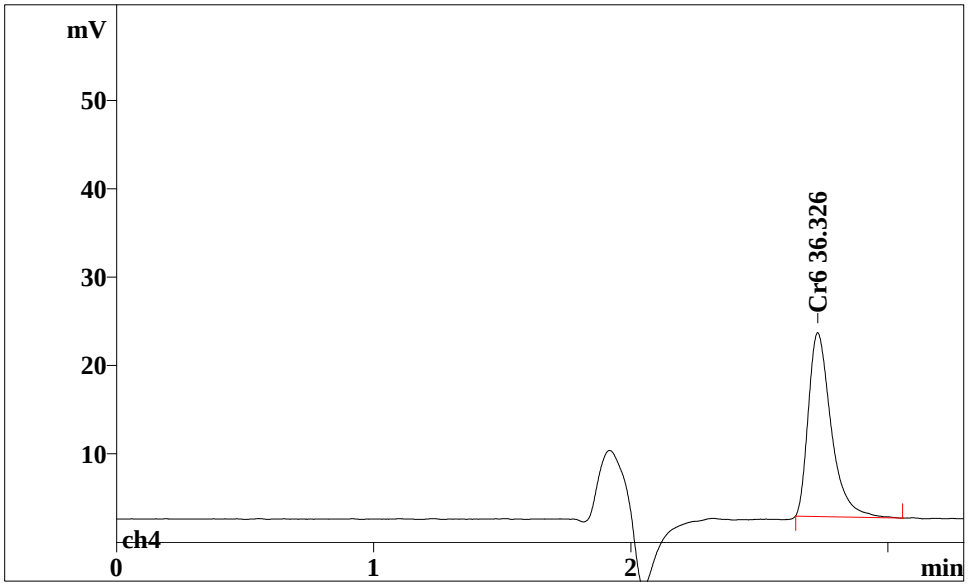
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32147

SAMPLE: 100ul loop
:
Vial number: 25
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.092;	20.80;	99.99;	128.387;	100.00;	0.00;	0.00;	44

Report date: 12/21/2010 12:47:16 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-5-D@10
Analysis from: 12/18/2010 2:07:24 PM
File: uc181407.chw Last save: 12/18/2010 2:10:42 PM

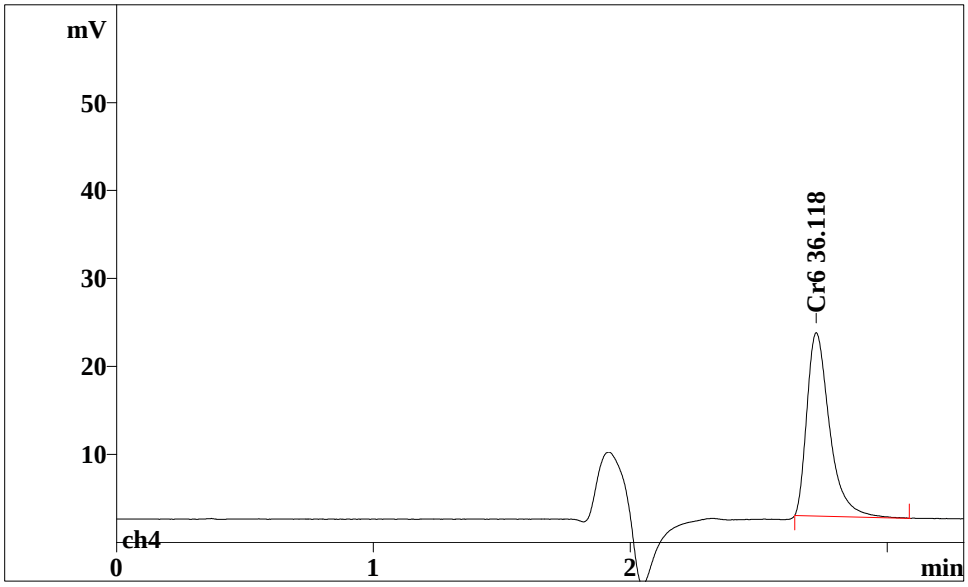
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32148

SAMPLE: 100ul loop
:
Vial number: 26
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.2 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.091;	20.85;	100.00;	127.635;	100.00;	0.00;	0.00;	44

Report date: 12/21/2010 12:47:20 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-5-D@10
Analysis from: 12/18/2010 2:14:46 PM
File: uc181414.chw Last save: 12/18/2010 2:18:05 PM

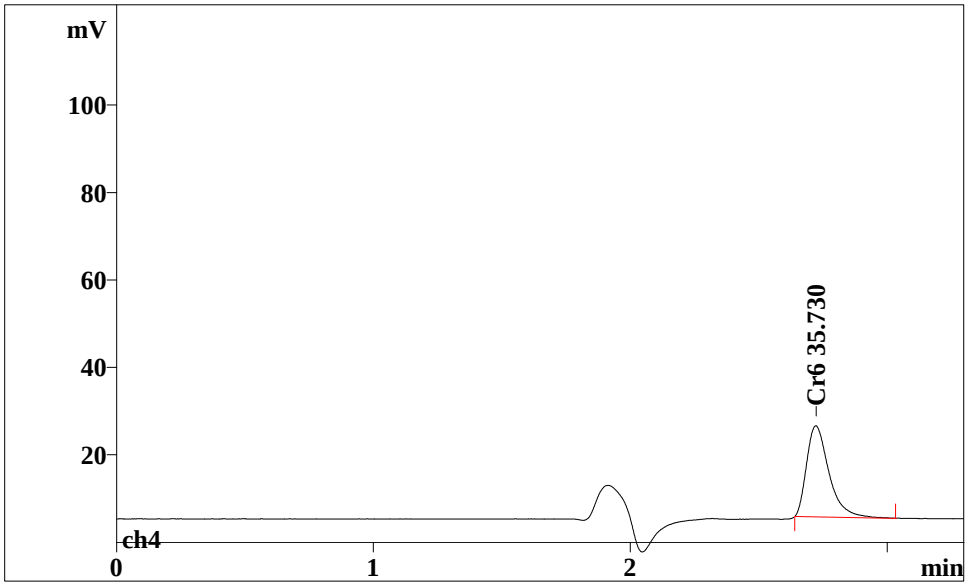
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32149

SAMPLE: 100ul loop
:
Vial number: 27
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.090;	20.87;	100.05;	126.232;	100.00;	0.00;	0.00;	45

Report date: 12/21/2010 12:47:25 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-6-D@10
Analysis from: 12/18/2010 2:22:08 PM
File: uc181422.chw Last save: 12/18/2010 2:25:26 PM

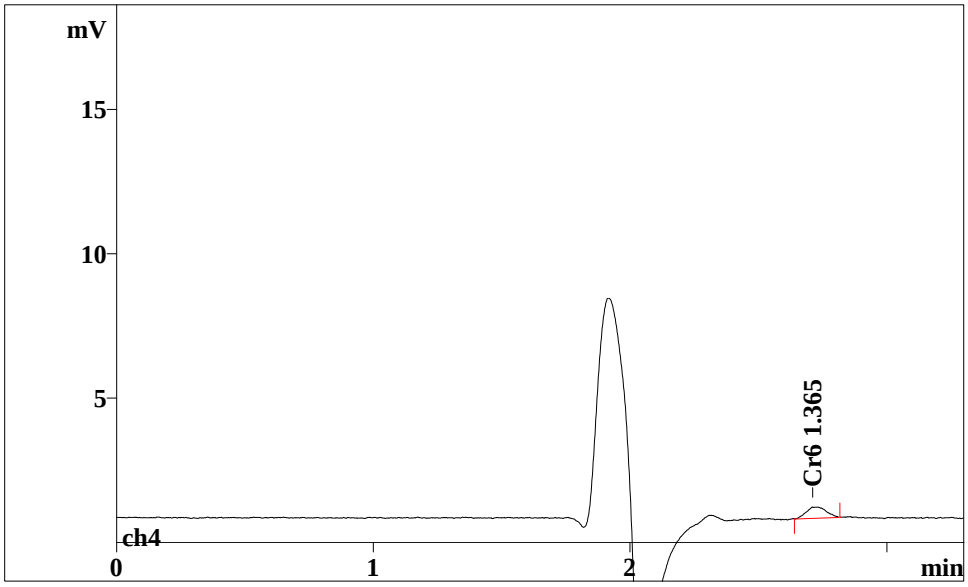
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32150

SAMPLE: 100ul loop
:
Vial number: 28
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.088;	0.39;	97.90;	2.107;	100.00;	0.00;	0.00;	57

Report date: 12/21/2010 12:47:29 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-6-D@10
Analysis from: 12/18/2010 2:29:28 PM
File: uc181429.chw Last save: 12/18/2010 2:32:47 PM

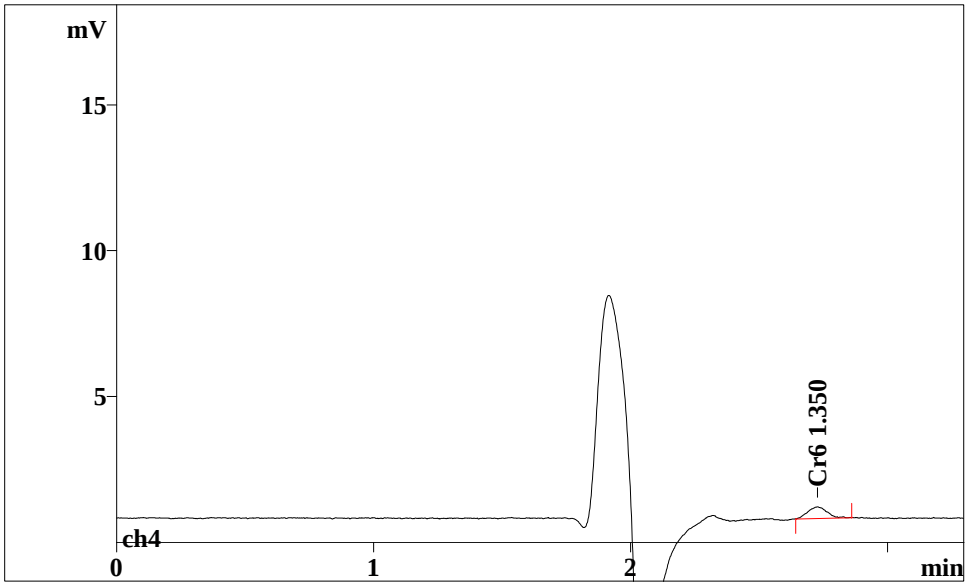
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32151

SAMPLE: 100ul loop
:
Vial number: 29
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.084;	0.39;	99.89;	2.053;	100.00;	0.00;	0.00;	61

Report date: 12/21/2010 12:47:34 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/18/2010 2:36:48 PM
File: uc181436.chw Last save: 12/18/2010 2:40:07 PM

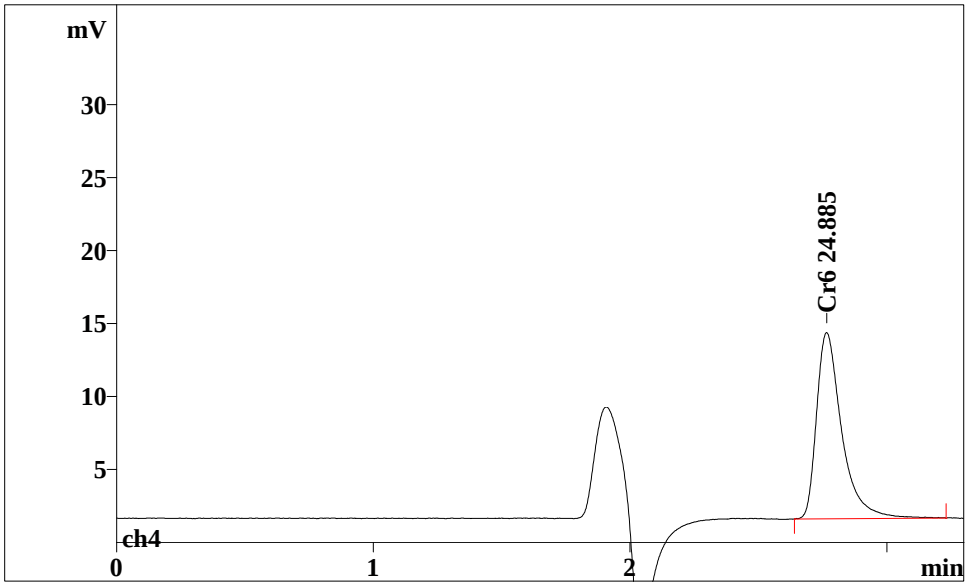
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32152

SAMPLE: 100ul loop
:
Vial number: 30
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.77;	100.04;	87.063;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:47:38 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/18/2010 2:44:08 PM
File: uc181444.chw Last save: 12/18/2010 2:47:27 PM

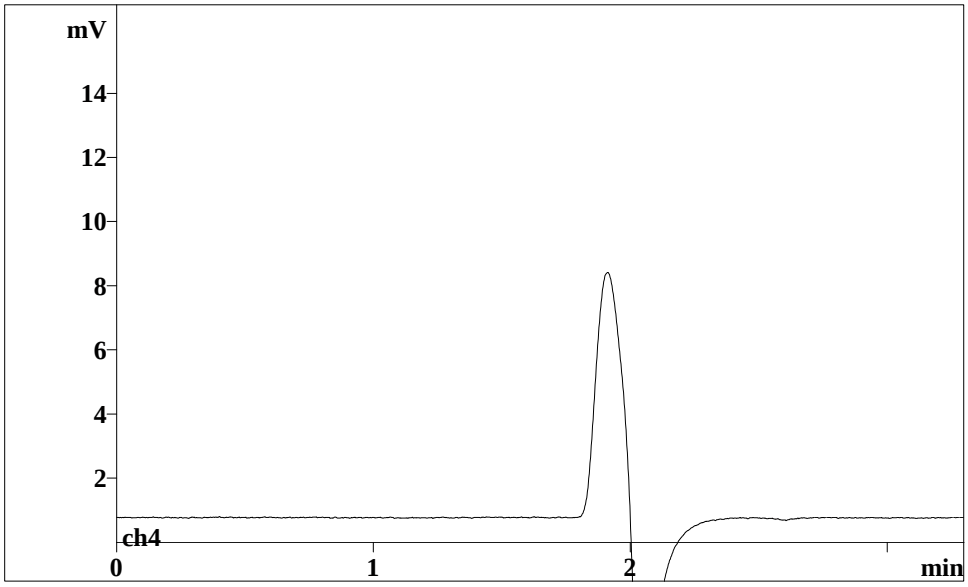
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32153

SAMPLE: 100ul loop
:
Vial number: 31
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:47:42 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-7-A@10
Analysis from: 12/18/2010 2:51:28 PM
File: uc181451.chw Last save: 12/18/2010 2:54:46 PM

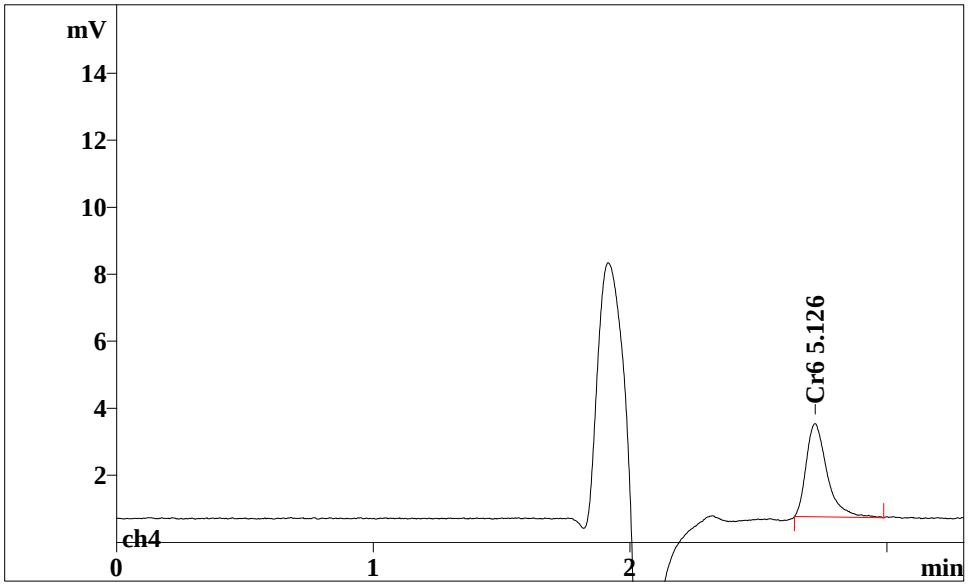
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32154

SAMPLE: 100ul loop
:
Vial number: 32
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.083;	2.78;	99.97;	15.693;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:47:46 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-7-A@10
Analysis from: 12/18/2010 2:58:46 PM
File: uc181458.chw Last save: 12/18/2010 3:02:04 PM

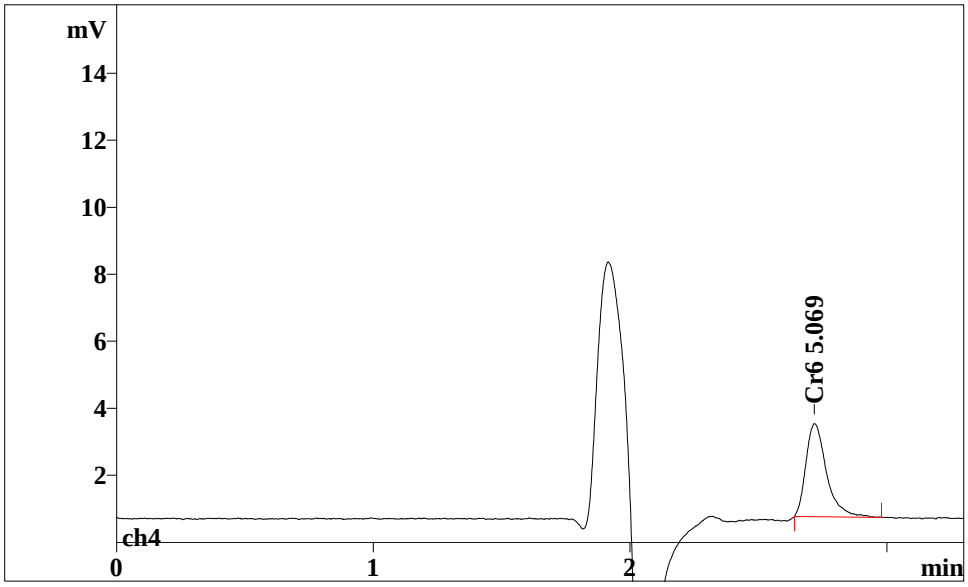
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32155

SAMPLE: 100ul loop
:
Vial number: 33
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.082;	2.78;	100.02;	15.485;	100.00;	0.00;	0.00;	53

Report date: 12/21/2010 12:47:51 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-11-A@10
Analysis from: 12/18/2010 3:06:04 PM
File: uc181506.chw Last save: 12/18/2010 3:09:22 PM

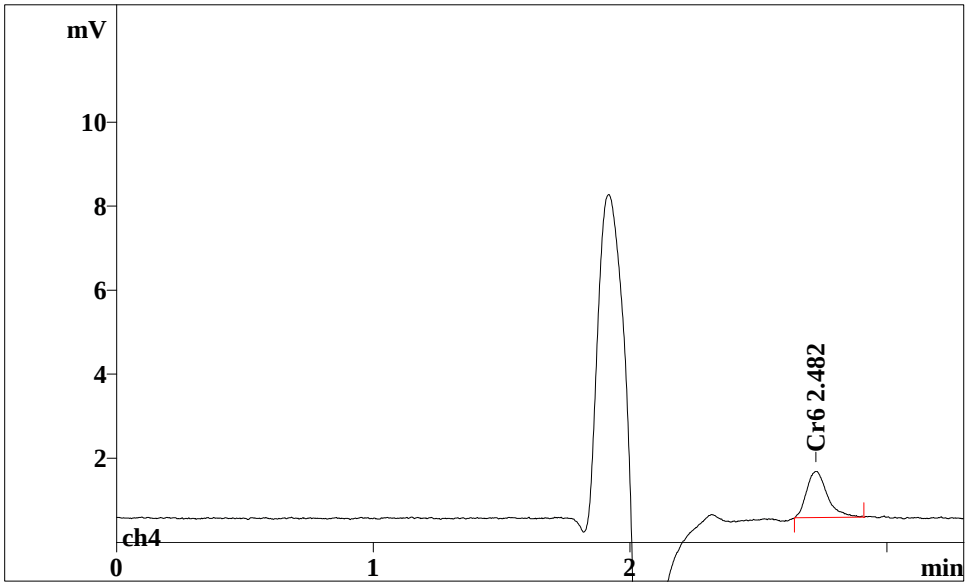
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32156

SAMPLE: 100ul loop
:
Vial number: 34
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.083;	1.10;	100.08;	6.142;	100.00;	0.00;	0.00;	54

Report date: 12/21/2010 12:47:55 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-11-A@10
Analysis from: 12/18/2010 3:13:21 PM
File: uc181513.chw Last save: 12/18/2010 3:16:40 PM

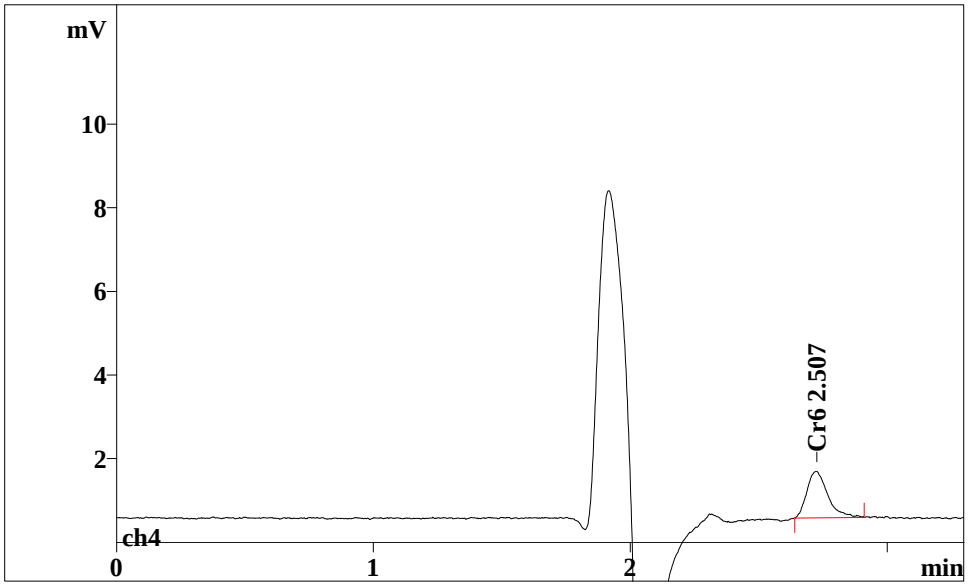
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32157

SAMPLE: 100ul loop
:
Vial number: 35
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.084;	1.11;	99.88;	6.231;	100.00;	0.00;	0.00;	53

Report date: 12/21/2010 12:48:00 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-12-A@10
Analysis from: 12/18/2010 3:20:38 PM
File: uc181520.chw Last save: 12/18/2010 3:23:56 PM

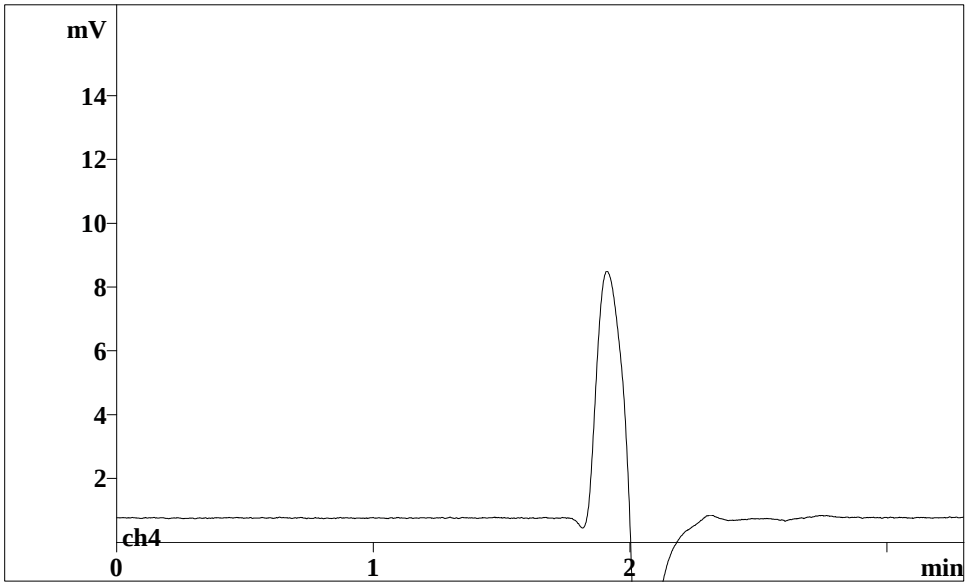
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32158

SAMPLE: 100ul loop
:
Vial number: 36
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:48:05 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-12-A@10
Analysis from: 12/18/2010 3:27:53 PM
File: uc181527.chw Last save: 12/18/2010 3:31:12 PM

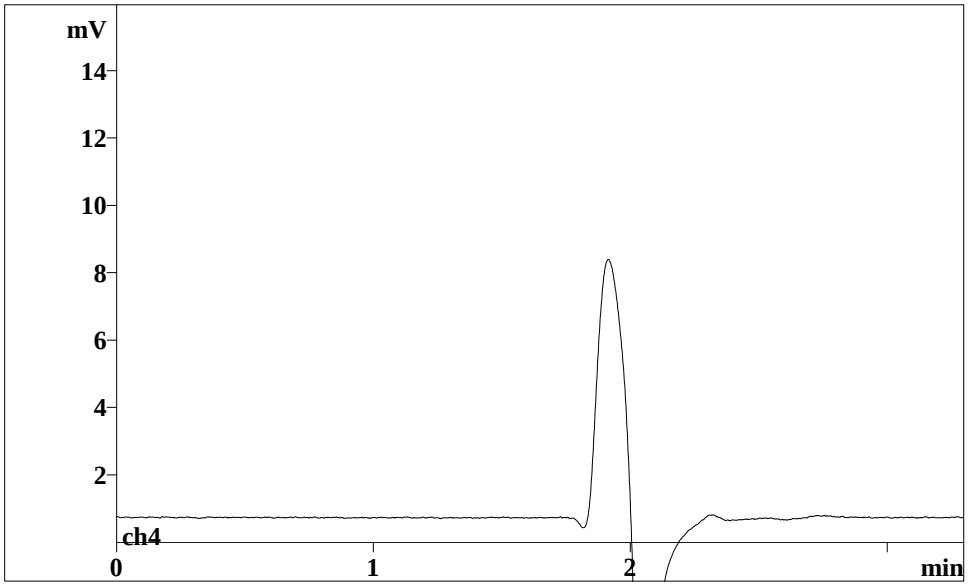
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32159

SAMPLE: 100ul loop
:
Vial number: 37
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:48:09 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-D-1-A@10
Analysis from: 12/18/2010 3:35:08 PM
File: uc181535.chw Last save: 12/18/2010 3:38:26 PM

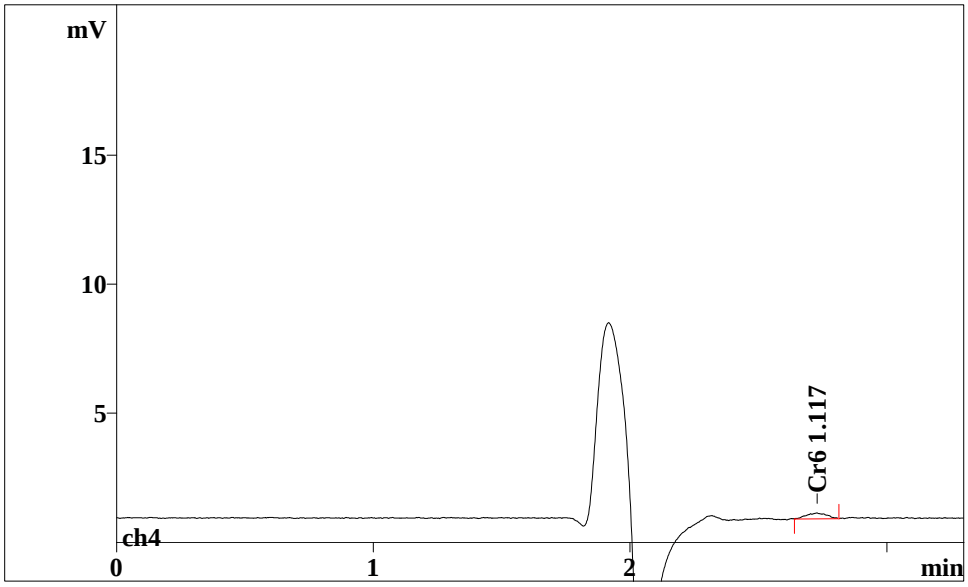
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32160

SAMPLE: 100ul loop
:
Vial number: 38
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.095;	0.22;	99.24;	1.213;	100.00;	0.00;	0.00;	58

Report date: 12/21/2010 12:48:14 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-D-1-A@10
Analysis from: 12/18/2010 3:42:22 PM
File: uc181542.chw Last save: 12/18/2010 3:45:41 PM

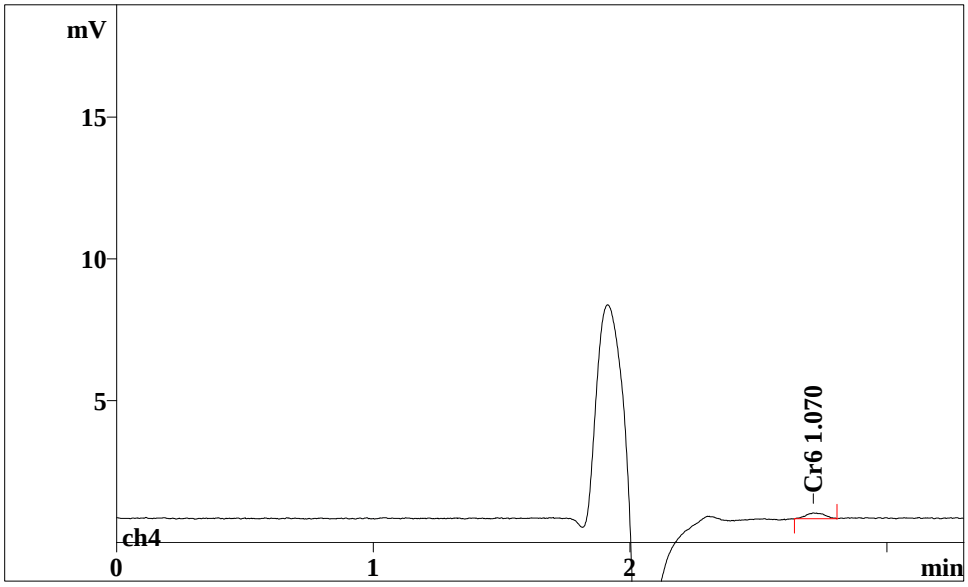
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32161

SAMPLE: 100ul loop
:
Vial number: 39
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.082;	0.20;	97.98;	1.042;	100.00;	0.00;	0.00;	64

Report date: 12/21/2010 12:48:18 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-B-2-A@10
Analysis from: 12/18/2010 3:49:36 PM
File: uc181549.chw Last save: 12/18/2010 3:52:54 PM

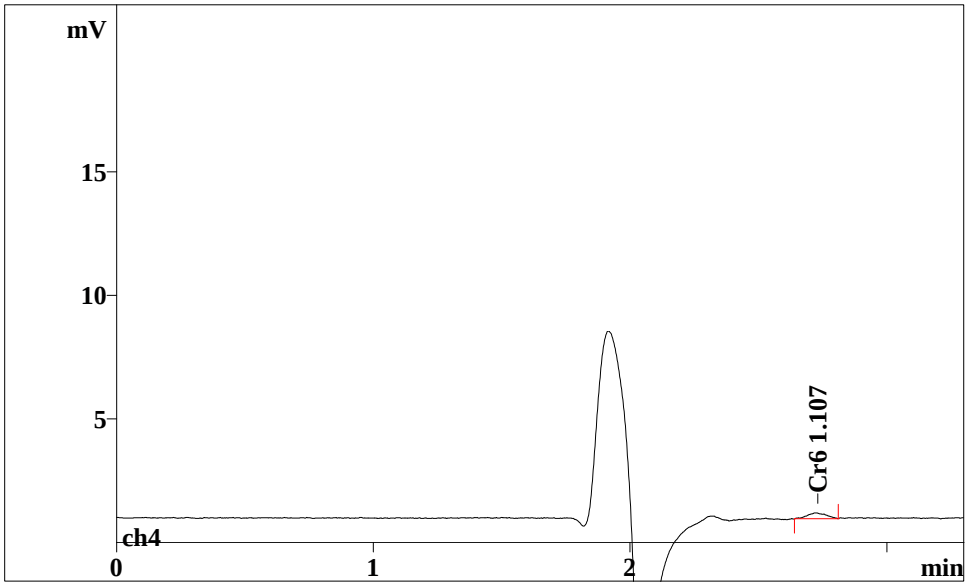
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32162

SAMPLE: 100ul loop
:
Vial number: 40
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.083;	0.23;	98.96;	1.174;	100.00;	0.00;	0.00;	65

Report date: 12/21/2010 12:48:22 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-B-2-A@10
Analysis from: 12/18/2010 3:56:49 PM
File: uc181556.chw Last save: 12/18/2010 4:00:08 PM

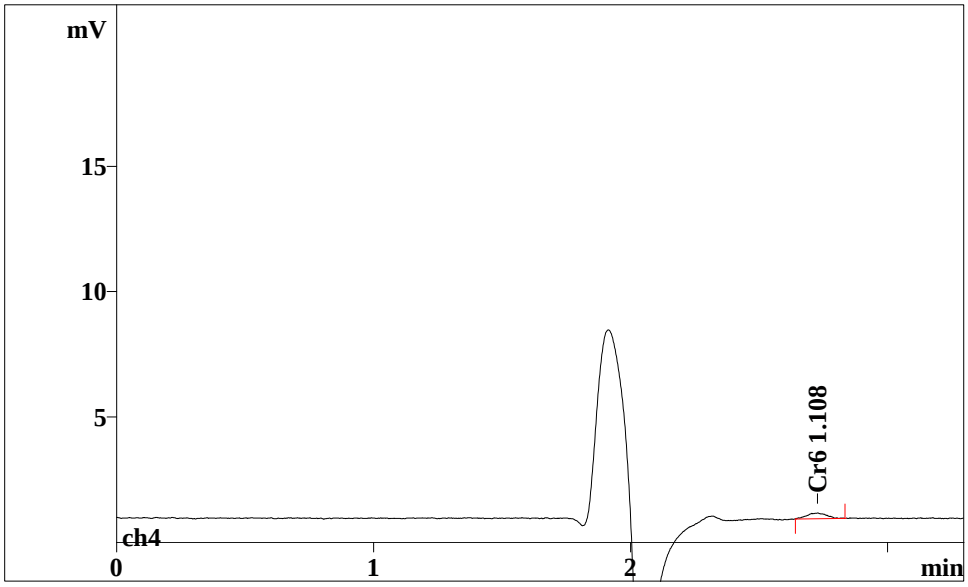
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32163

SAMPLE: 100ul loop
:
Vial number: 41
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.083;	0.23;	98.78;	1.179;	100.00;	0.00;	0.00;	63

Report date: 12/21/2010 12:48:28 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/18/2010 4:04:01 PM
File: uc181604.chw Last save: 12/18/2010 4:07:20 PM

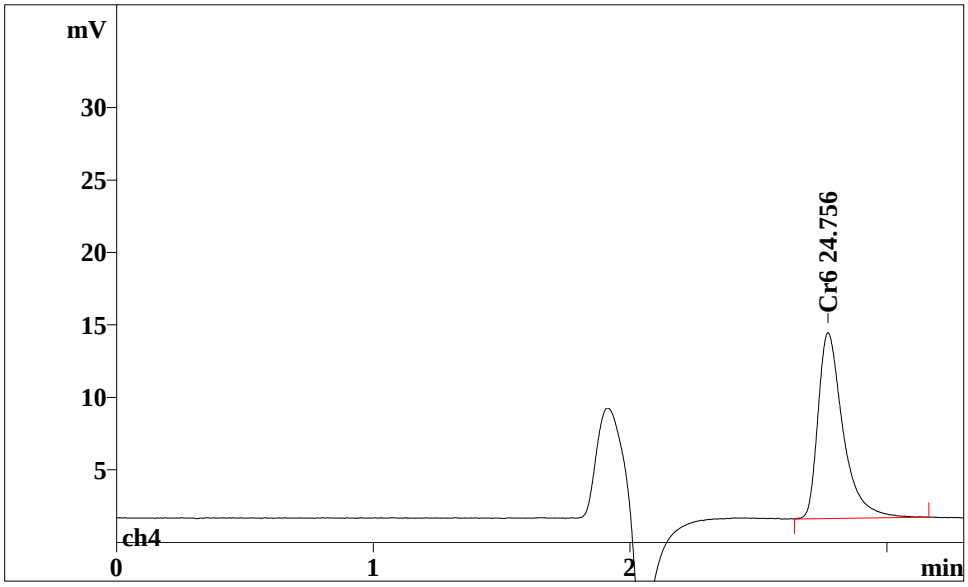
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32164

SAMPLE: 100ul loop
:
Vial number: 42
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.83;	100.00;	86.597;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:48:32 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/18/2010 4:11:14 PM
File: uc181611.chw Last save: 12/18/2010 4:14:32 PM

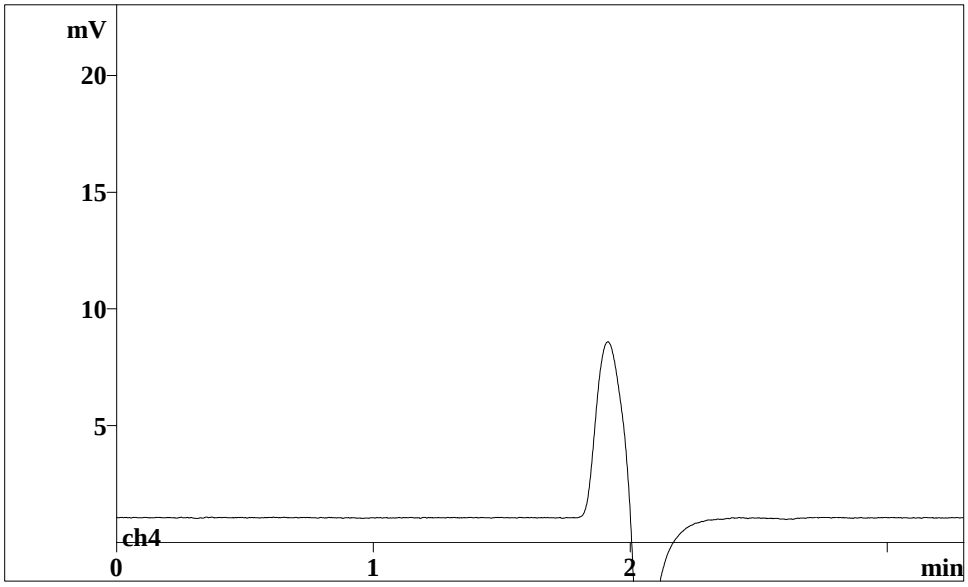
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32165

SAMPLE: 100ul loop
:
Vial number: 43
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:48:37 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-1-F@10
Analysis from: 12/18/2010 4:18:26 PM
File: uc181618.chw Last save: 12/18/2010 4:21:44 PM

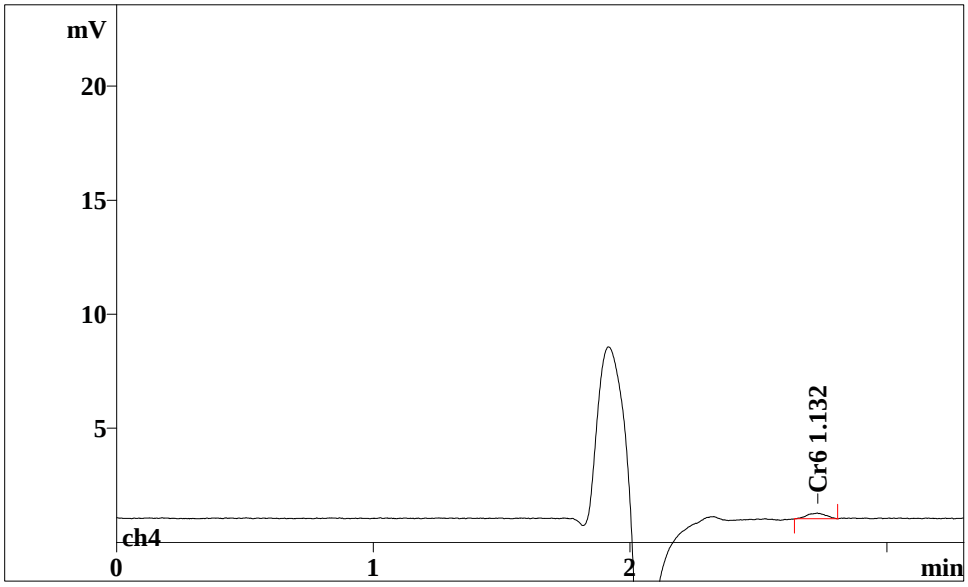
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32166

SAMPLE: 100ul loop
:
Vial number: 44
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.086;	0.25;	96.97;	1.265;	100.00;	0.00;	0.00;	69

Report date: 12/21/2010 12:48:41 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-1-F@10
Analysis from: 12/18/2010 4:25:39 PM
File: uc181625.chw Last save: 12/18/2010 4:28:57 PM

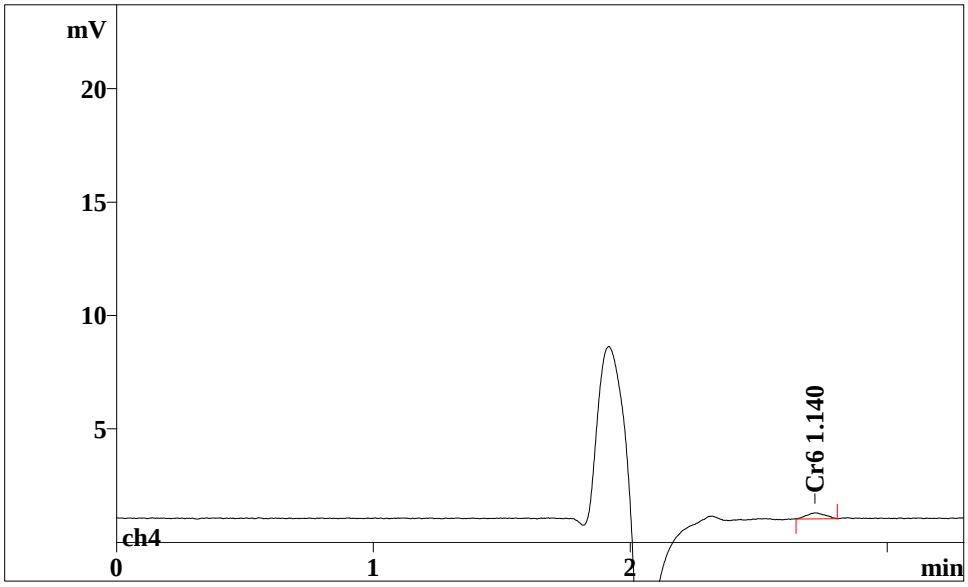
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32167

SAMPLE: 100ul loop
:
Vial number: 45
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.087;	0.26;	99.89;	1.294;	100.00;	0.00;	0.00;	66

Report date: 12/21/2010 12:48:45 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-2-H@10
Analysis from: 12/18/2010 4:32:51 PM
File: uc181632.chw Last save: 12/18/2010 4:36:09 PM

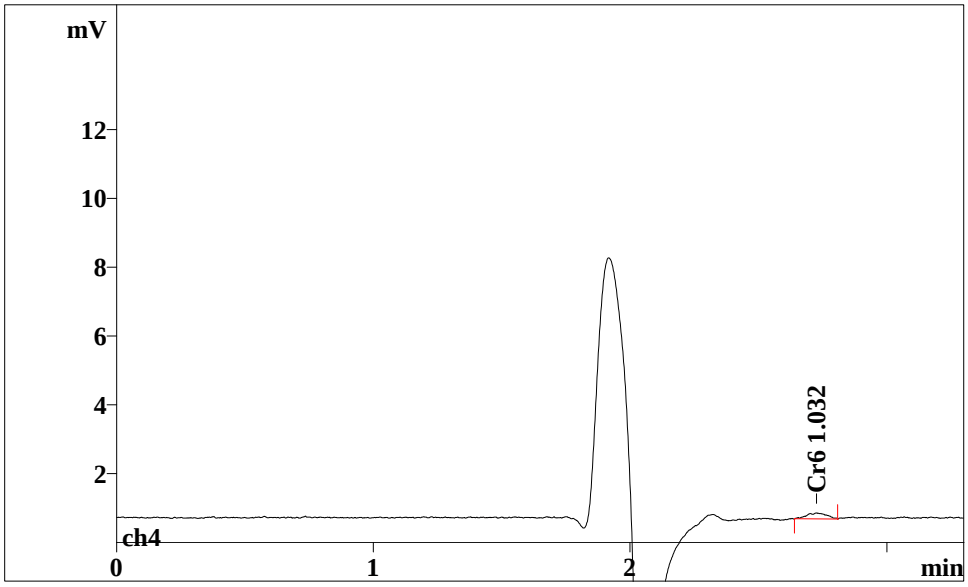
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32168

SAMPLE: 100ul loop
:
Vial number: 46
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.090;	0.17;	98.67;	0.903;	100.00;	0.00;	0.00;	60

Report date: 12/21/2010 12:48:50 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-2-H@10
Analysis from: 12/18/2010 4:40:03 PM
File: uc181640.chw Last save: 12/18/2010 4:43:22 PM

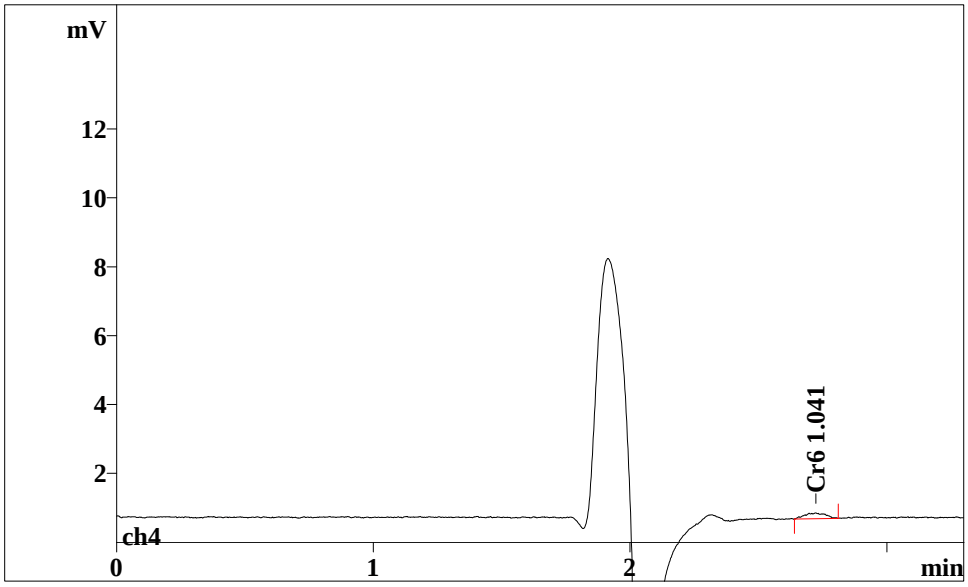
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32169

SAMPLE: 100ul loop
:
Vial number: 47
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.100;	0.16;	97.63;	0.937;	100.00;	0.00;	0.00;	53

Report date: 12/21/2010 12:48:54 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-4-F@10
Analysis from: 12/18/2010 4:47:16 PM
File: uc181647.chw Last save: 12/18/2010 4:50:35 PM

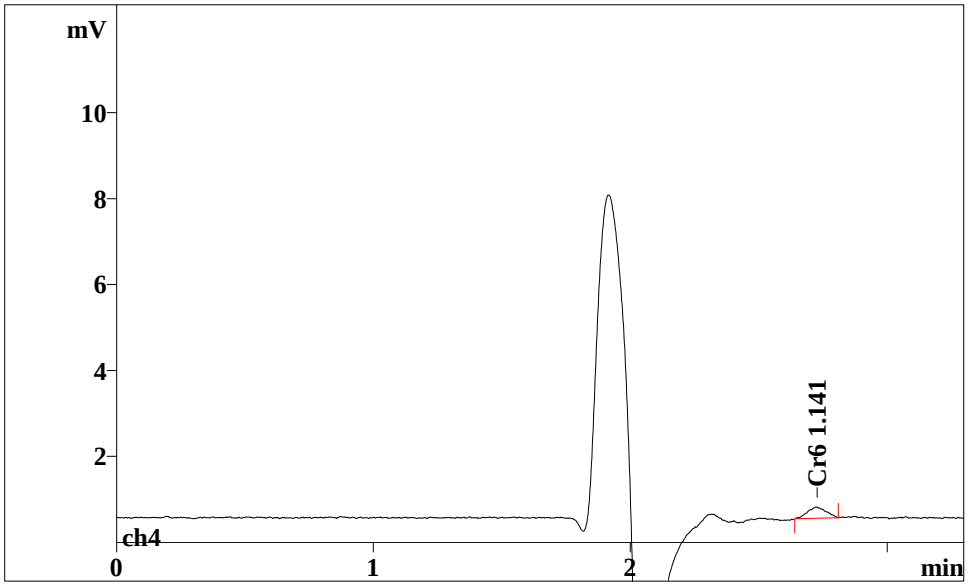
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32170

SAMPLE: 100ul loop
:
Vial number: 48
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.084;	0.26;	99.34;	1.299;	100.00;	0.00;	0.00;	67

Report date: 12/21/2010 12:48:58 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-4-F@10
Analysis from: 12/18/2010 4:54:30 PM
File: uc181654.chw Last save: 12/18/2010 4:57:49 PM

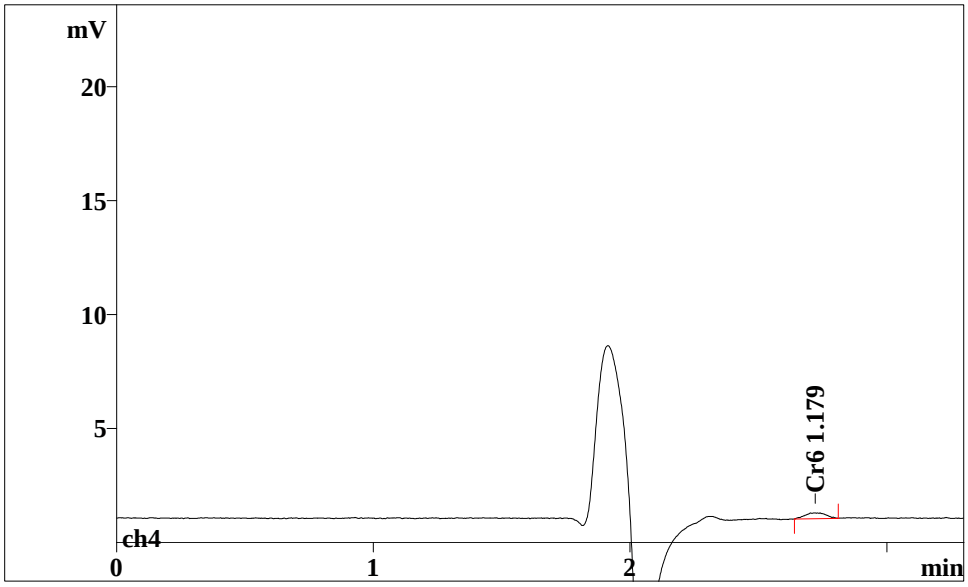
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32171

SAMPLE: 100ul loop
:
Vial number: 49
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.094;	0.25;	99.48;	1.434;	100.00;	0.00;	0.00;	51

Report date: 12/21/2010 12:49:02 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-5-F@10
Analysis from: 12/18/2010 5:01:45 PM
File: uc181701.chw Last save: 12/18/2010 5:05:03 PM

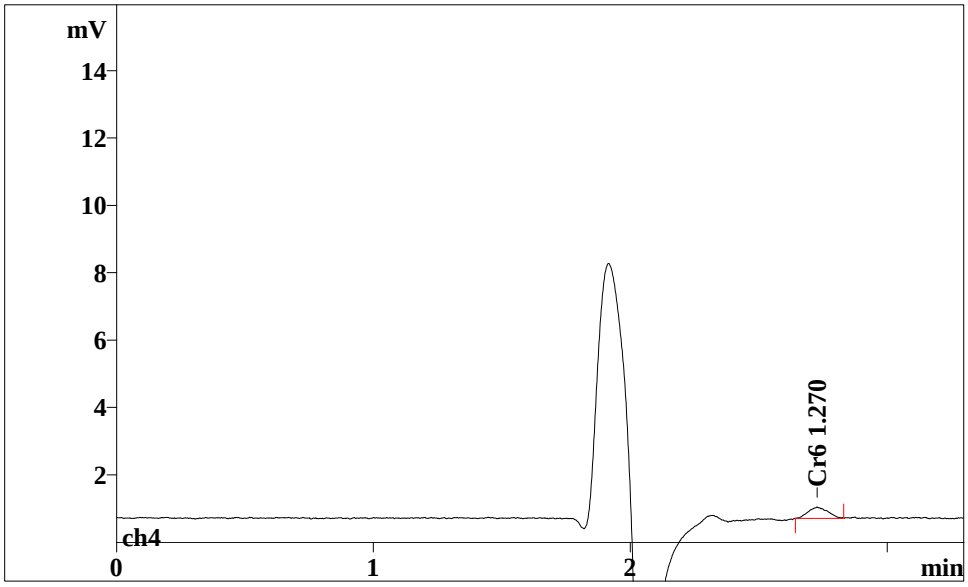
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32172

SAMPLE: 100ul loop
:
Vial number: 50
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.089;	0.33;	97.13;	1.766;	100.00;	0.00;	0.00;	61

Report date: 12/21/2010 12:49:06 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-5-F@10
Analysis from: 12/18/2010 5:09:00 PM
File: uc181709.chw Last save: 12/18/2010 5:12:19 PM

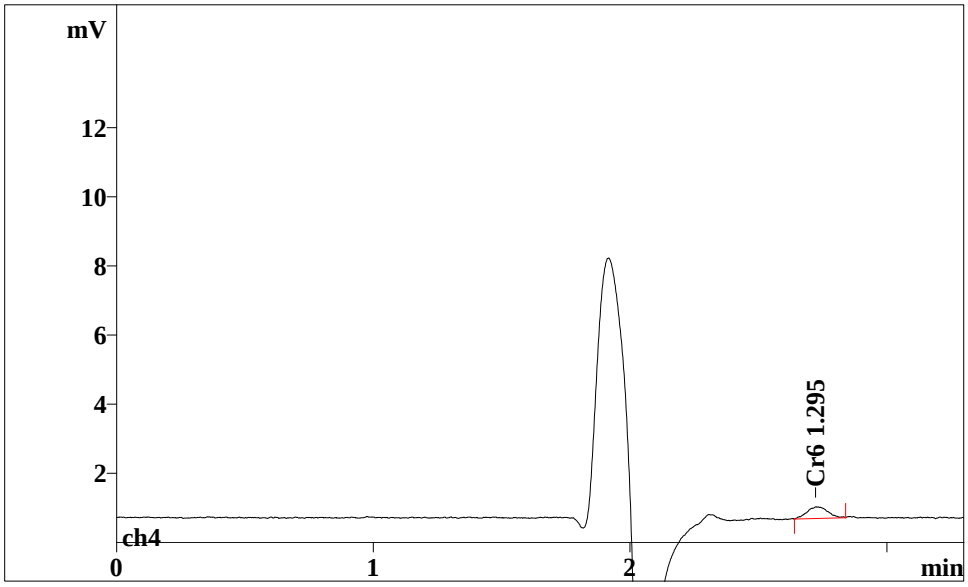
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32173

SAMPLE: 100ul loop
:
Vial number: 51
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.090;	0.33;	99.56;	1.854;	100.00;	0.00;	0.00;	53

Report date: 12/21/2010 12:49:11 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-7-F@10
Analysis from: 12/18/2010 5:16:16 PM
File: uc181716.chw Last save: 12/18/2010 5:19:35 PM

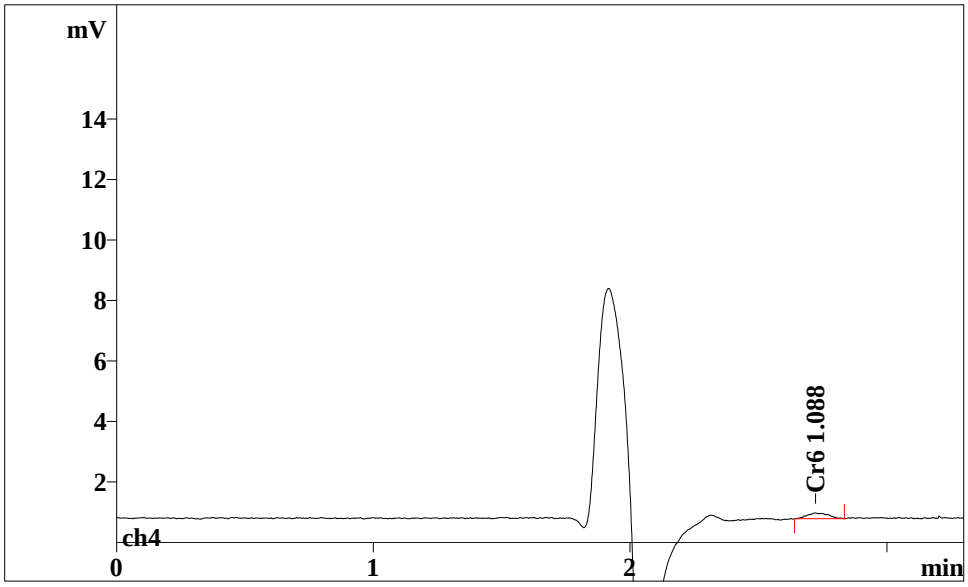
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32174

SAMPLE: 100ul loop
:
Vial number: 52
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.093;	0.19;	98.90;	1.106;	100.00;	0.00;	0.00;	50

Report date: 12/21/2010 12:49:15 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-7-F@10
Analysis from: 12/18/2010 5:23:33 PM
File: uc181723.chw Last save: 12/18/2010 5:26:52 PM

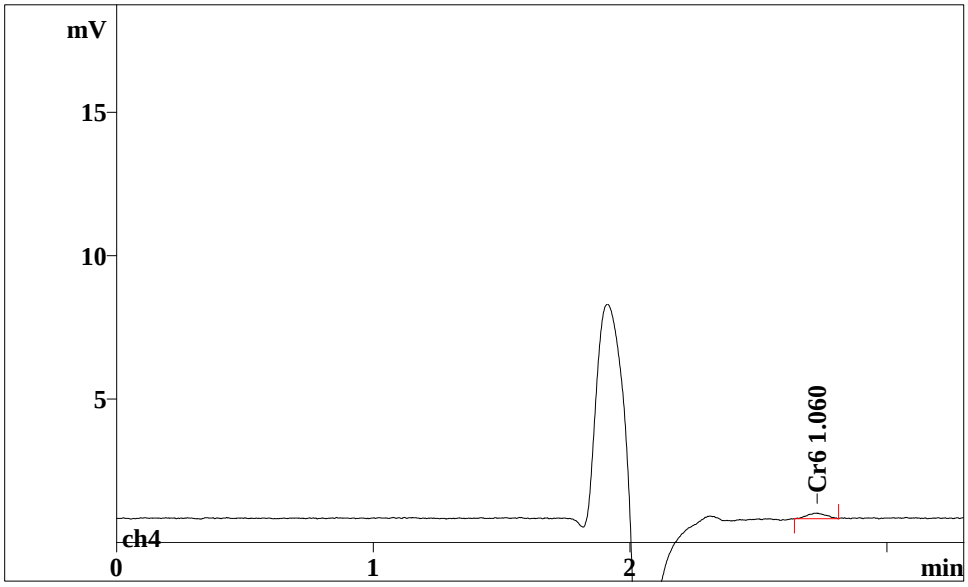
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32175

SAMPLE: 100ul loop
:
Vial number: 53
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.087;	0.19;	95.95;	1.007;	100.00;	0.00;	0.00;	67

Report date: 12/21/2010 12:49:19 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/18/2010 5:30:51 PM
File: uc181730.chw Last save: 12/18/2010 5:34:09 PM

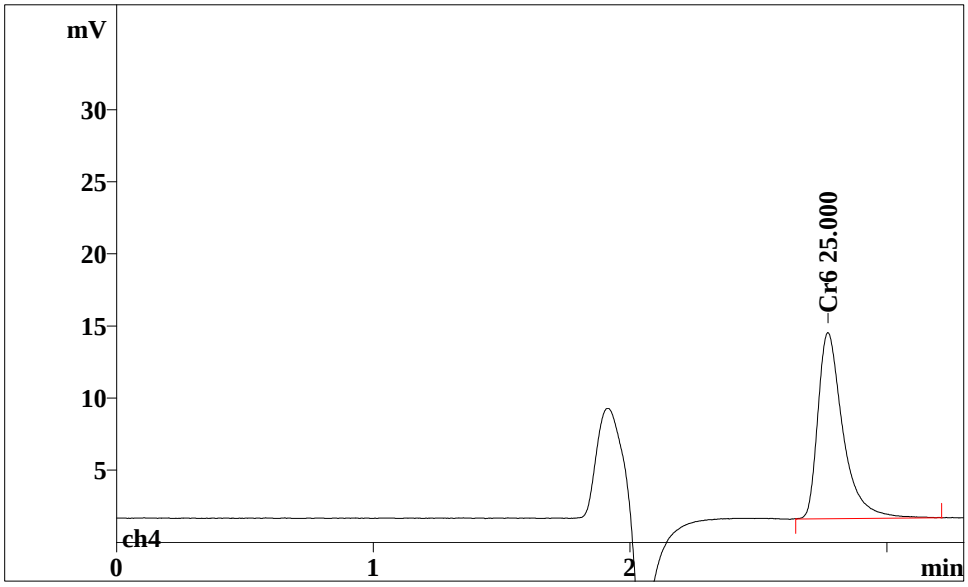
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32176

SAMPLE: 100ul loop
:
Vial number: 54
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.90;	100.01;	87.478;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:49:24 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/18/2010 5:38:09 PM
File: uc181738.chw Last save: 12/18/2010 5:41:27 PM

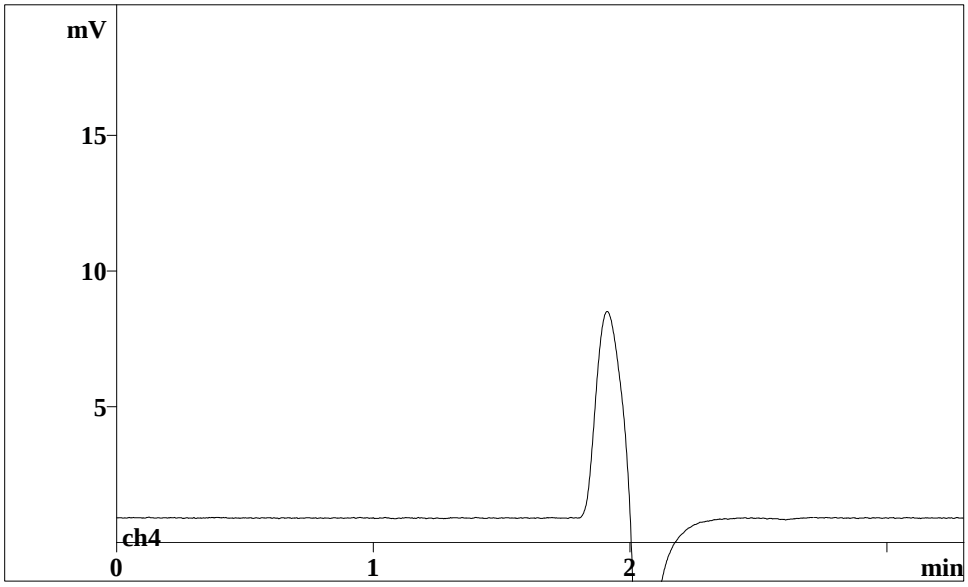
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32177

SAMPLE: 100ul loop
:
Vial number: 55
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:49:28 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-9-G@10
Analysis from: 12/18/2010 5:45:28 PM
File: uc181745.chw Last save: 12/18/2010 5:48:46 PM

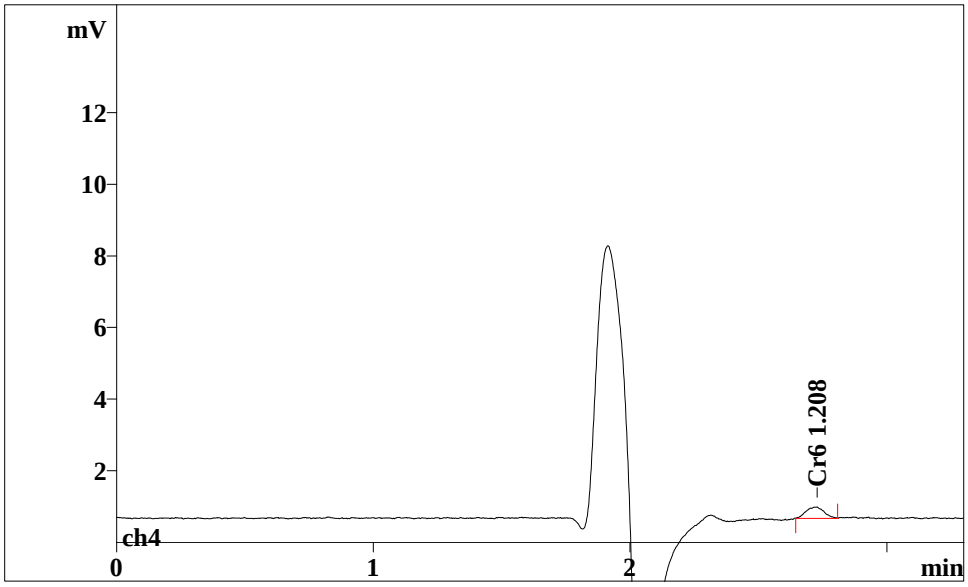
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32178

SAMPLE: 100ul loop
:
Vial number: 56
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.080;	0.32;	99.18;	1.541;	100.00;	0.00;	0.00;	71

Report date: 12/21/2010 12:49:32 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-9-G@10
Analysis from: 12/18/2010 5:52:47 PM
File: uc181752.chw Last save: 12/18/2010 5:56:05 PM

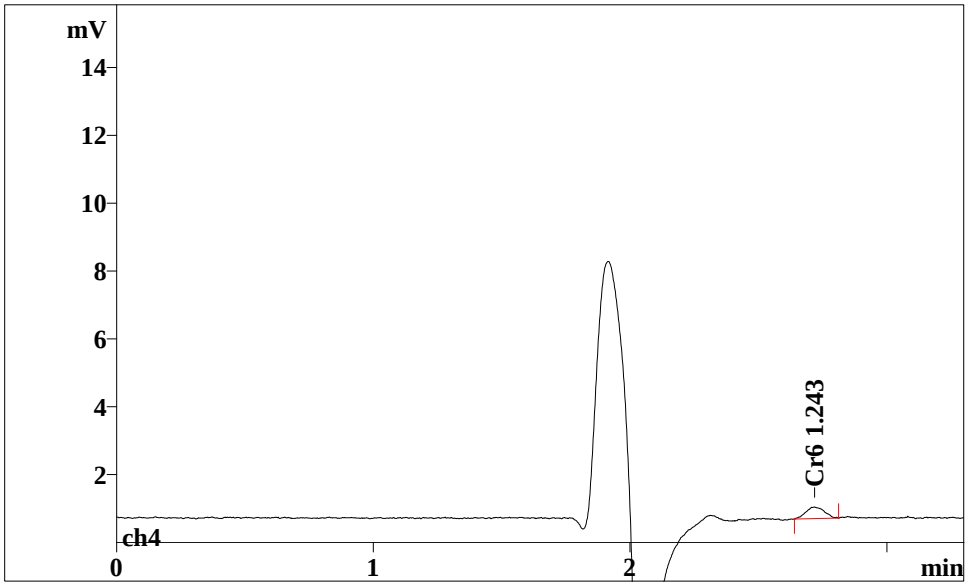
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32179

SAMPLE: 100ul loop
:
Vial number: 57
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.080;	0.34;	99.33;	1.665;	100.00;	0.00;	0.00;	69

Report date: 12/21/2010 12:49:38 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-A@40 PDS
Analysis from: 12/18/2010 6:00:07 PM
File: uc181800.chw Last save: 12/18/2010 6:03:25 PM

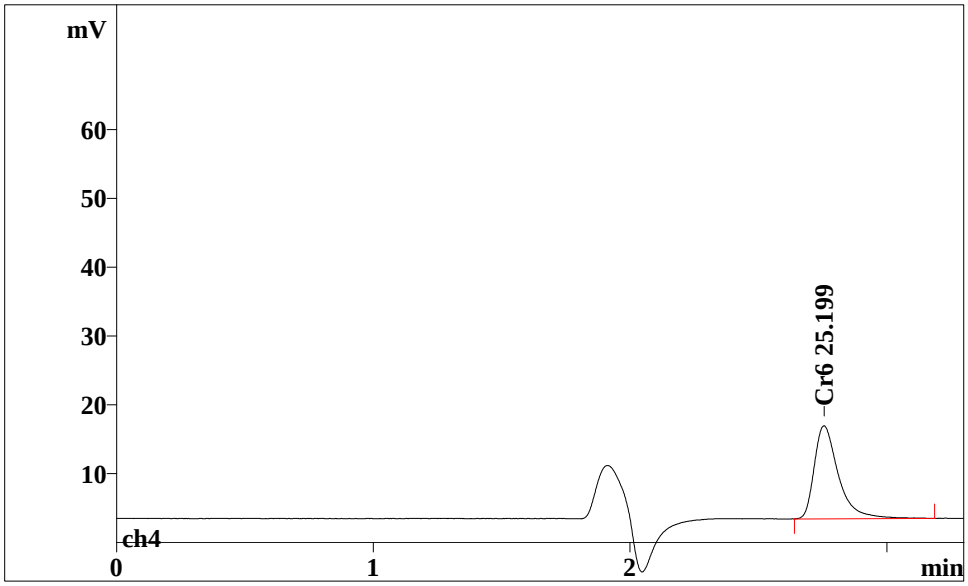
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32180

SAMPLE: 100ul loop
:
Vial number: 58
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.76;	0.094;	13.53;	100.02;	88.195;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:49:41 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-A@40 PDS
Analysis from: 12/18/2010 6:07:27 PM
File: uc181807.chw Last save: 12/18/2010 6:10:46 PM

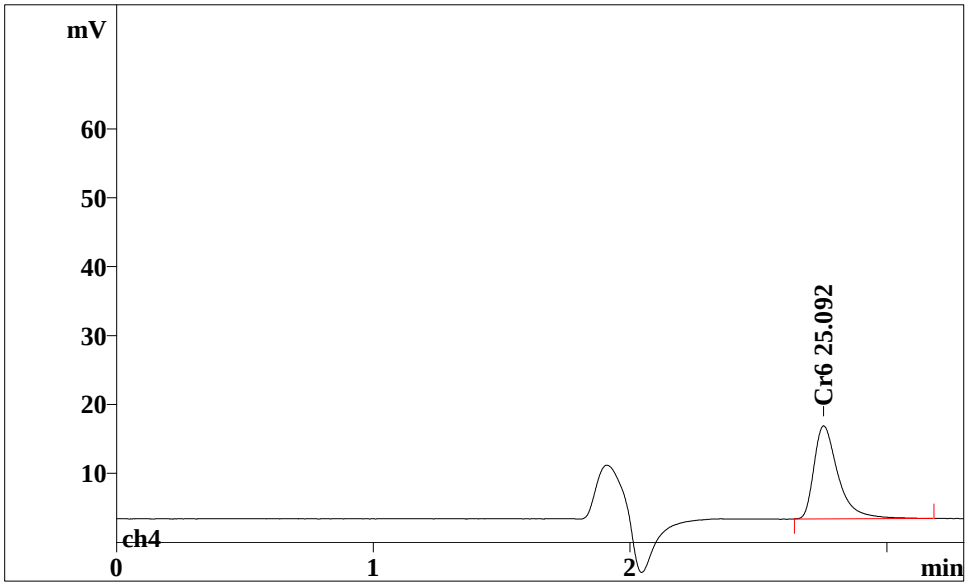
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32181

SAMPLE: 100ul loop
:
Vial number: 59
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.094;	13.50;	99.97;	87.807;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:49:47 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/18/2010 6:14:49 PM
File: uc181814.chw Last save: 12/18/2010 6:18:07 PM

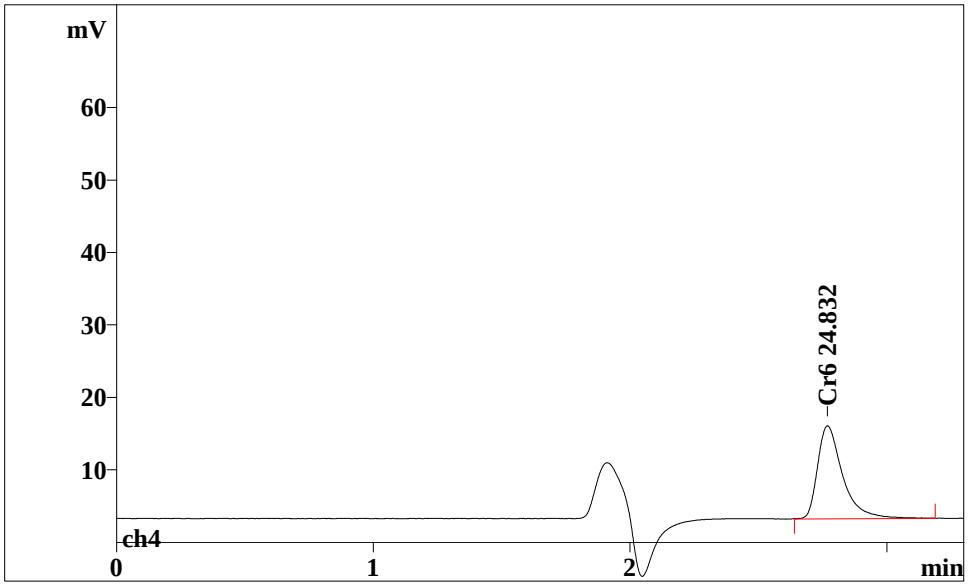
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32182

SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.83;	99.98;	86.869;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:49:53 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/18/2010 6:22:10 PM
File: uc181822.chw Last save: 12/18/2010 6:25:29 PM

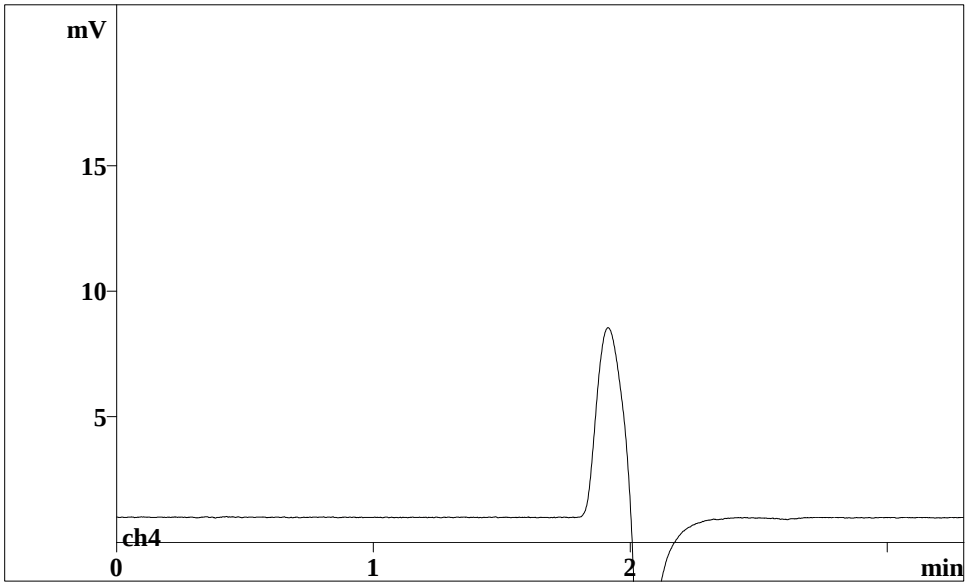
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32183

SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

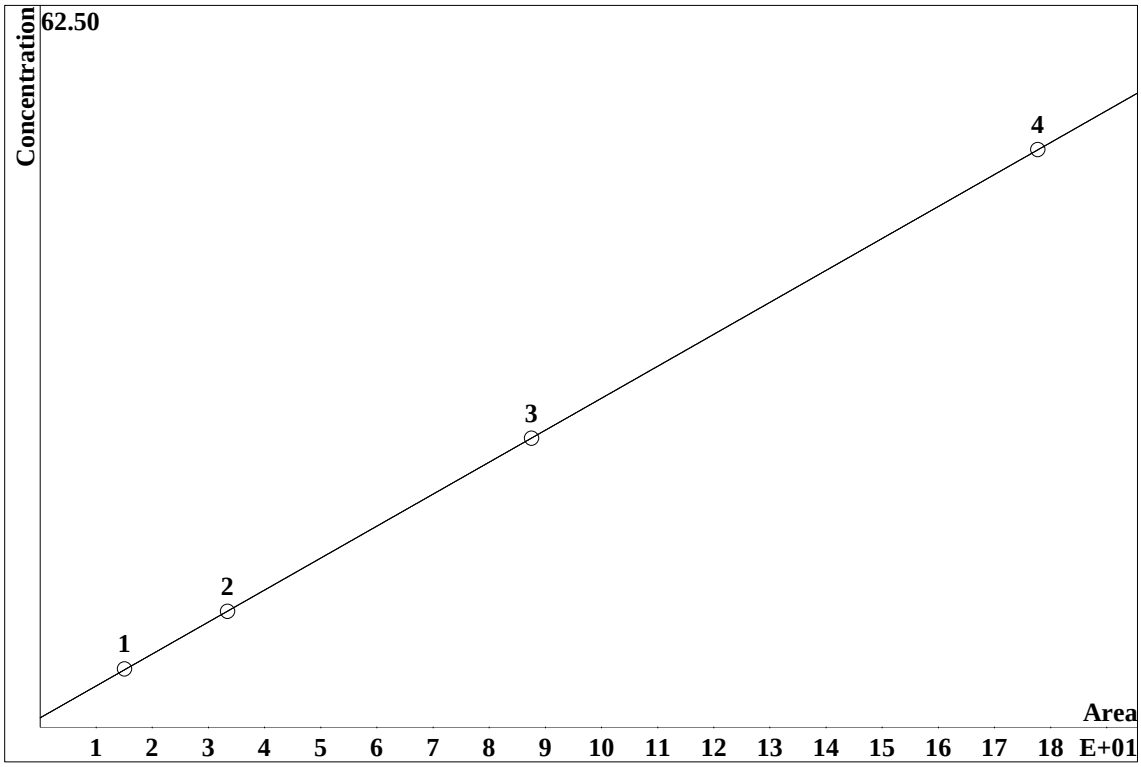
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.276856·A + 0.78155
RSD: 0.215 %
Correlation coefficient: 0.999998



K3 = 0 K2 = 0 K1 = 0.276856 K0 = 0.78155
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.325;	15.06;	5;	1;	2.779;	Yes;	uc181111.chw
2;	4.937;	33.43;	10;	1;	2.779;	Yes;	uc181118.chw
3;	12.69;	87.57;	25;	1;	2.779;	Yes;	uc181126.chw
4;	25.63;	177.7;	50;	1;	2.779;	Yes;	uc181133.chw

Report date: 12/21/2010 12:52:48 PM
Printed by: TestAmerica - Edison

Ident: 0
Analysis from: 12/20/2010 3:56:34 PM
File: uc201556.chw Last save: 12/20/2010 4:29:02 PM

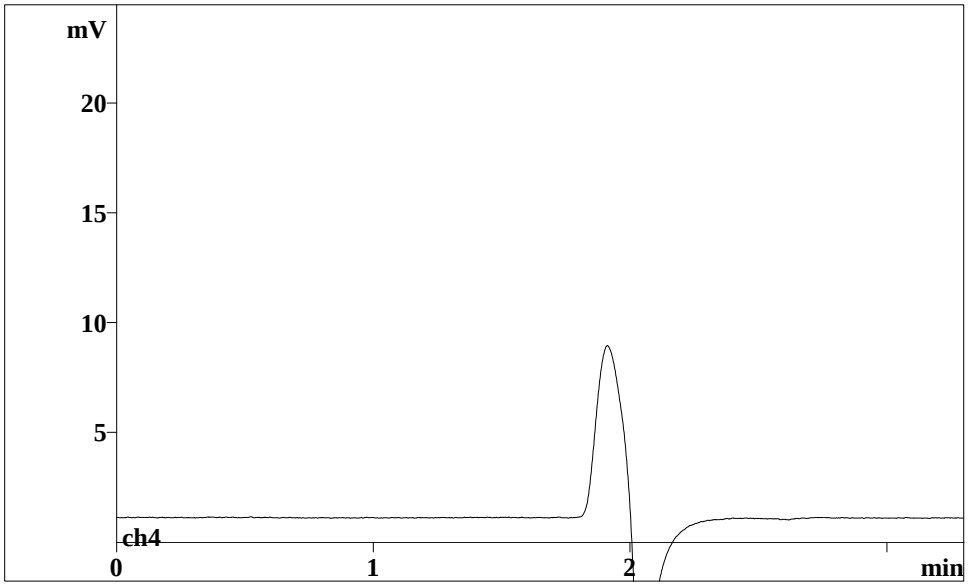
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32185

SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:52:56 PM
Printed by: TestAmerica - Edison

Ident: 5
Analysis from: 12/20/2010 4:03:42 PM
File: uc201603.chw Last save: 12/20/2010 4:29:02 PM

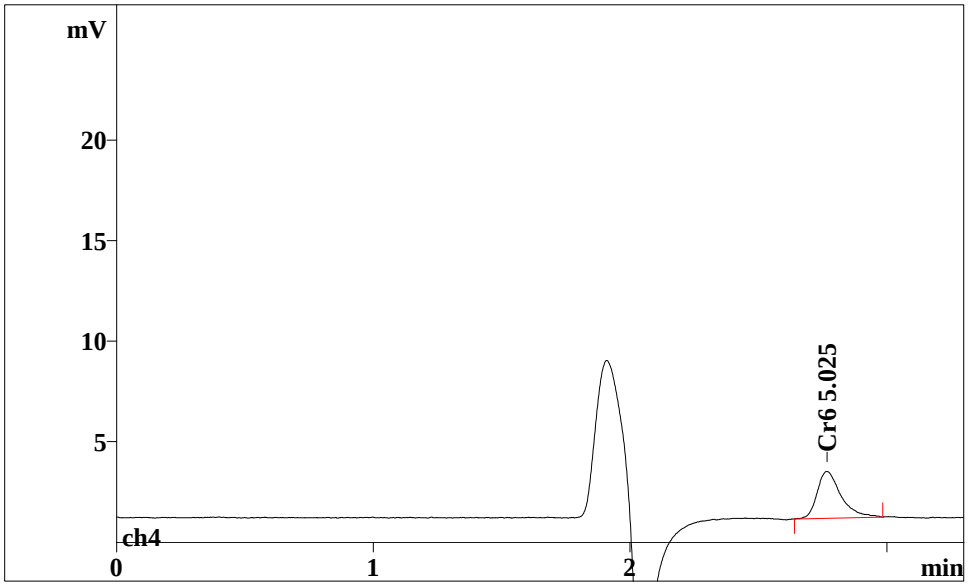
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32186

SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.093;	2.33;	99.90;	14.981;	100.00;	0.00;	0.00;	42

Report date: 12/21/2010 12:53:00 PM
Printed by: TestAmerica - Edison

Ident: 10
Analysis from: 12/20/2010 4:10:51 PM
File: uc201610.chw Last save: 12/20/2010 4:29:02 PM

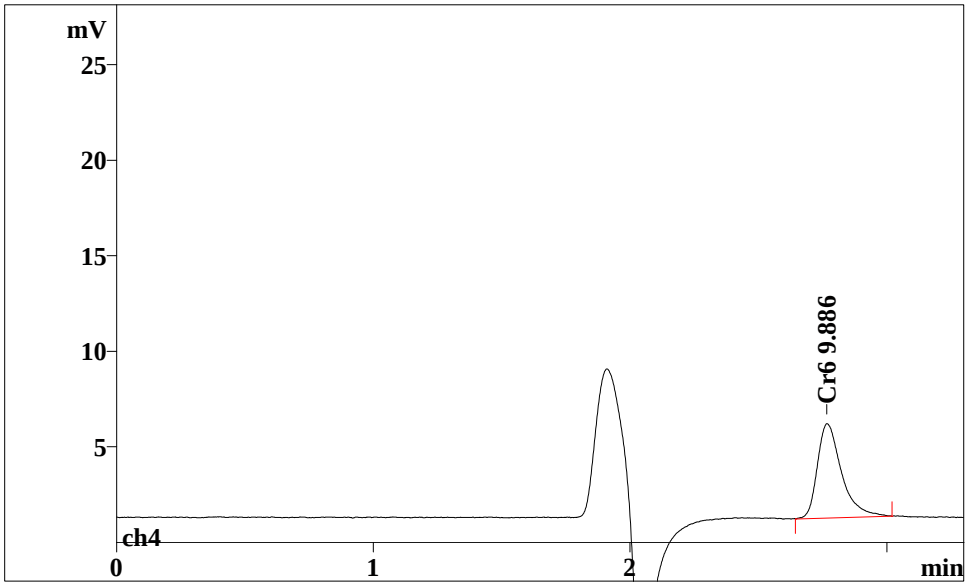
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32187

SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.095;	4.94;	99.92;	32.180;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:53:03 PM
Printed by: TestAmerica - Edison

Ident: 25
Analysis from: 12/20/2010 4:18:01 PM
File: uc201618.chw Last save: 12/20/2010 4:29:02 PM

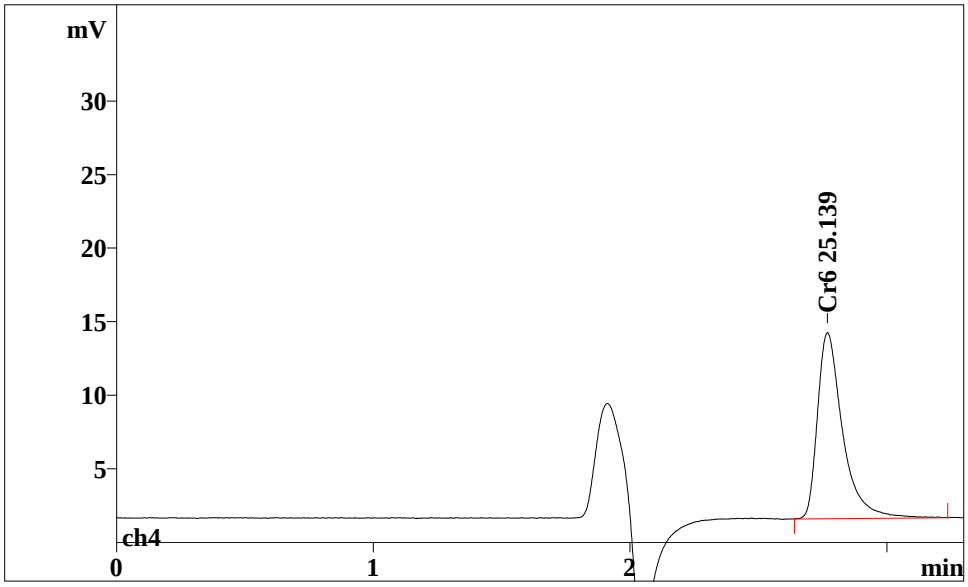
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32188

SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.64;	99.98;	86.153;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:53:07 PM
Printed by: TestAmerica - Edison

Ident: 50
Analysis from: 12/20/2010 4:25:11 PM
File: uc201625.chw Last save: 12/20/2010 4:29:02 PM

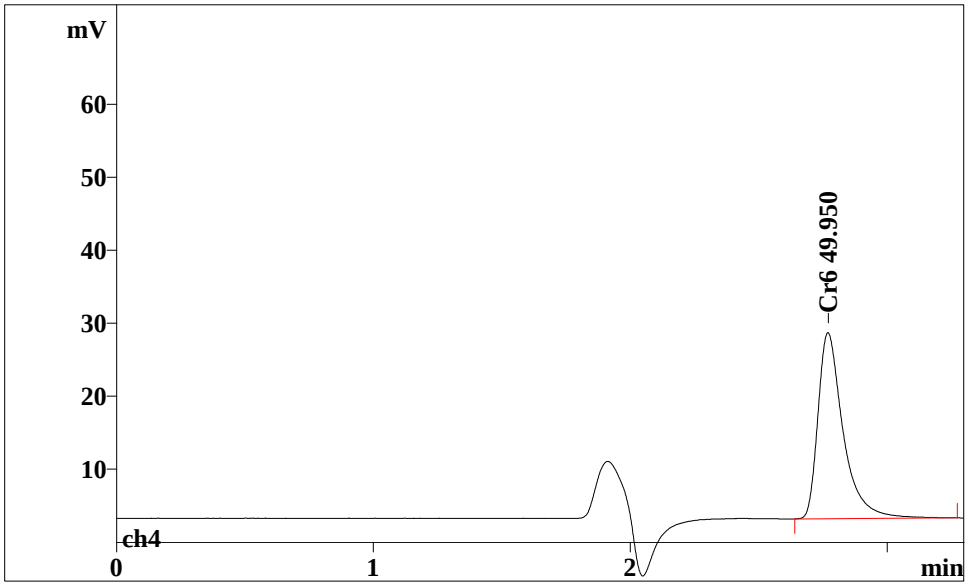
Method: stl_hexchrome_soil.mtw Last save: 12/18/2010 11:39:
Run operator: TestAmerica - Edison
Analysis number: 32189

SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	25.50;	100.01;	173.952;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:53:10 PM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 12/20/2010 4:32:21 PM
File: uc201632.chw Last save: 12/20/2010 4:35:39 PM

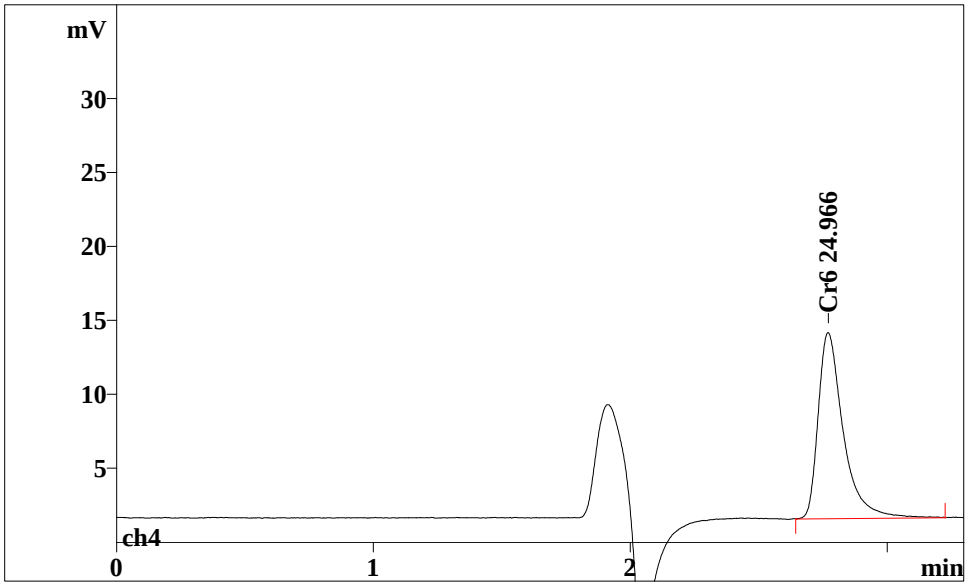
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32190

SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.58;	100.03;	85.543;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:53:15 PM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 12/20/2010 4:39:32 PM
File: uc201639.chw Last save: 12/20/2010 4:42:50 PM

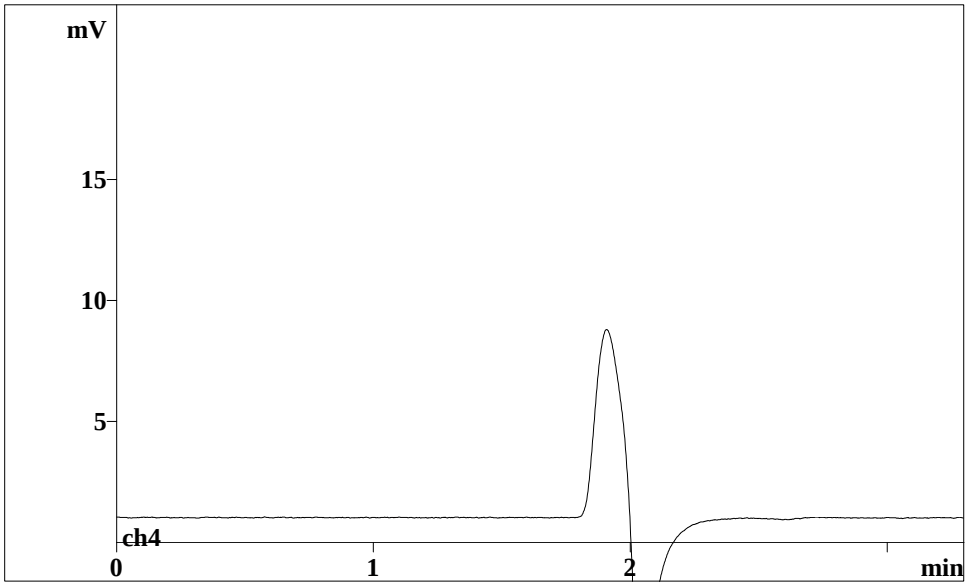
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32191

SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:53:18 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-C MSS@10
Analysis from: 12/20/2010 4:46:44 PM
File: uc201646.chw Last save: 12/20/2010 4:50:02 PM

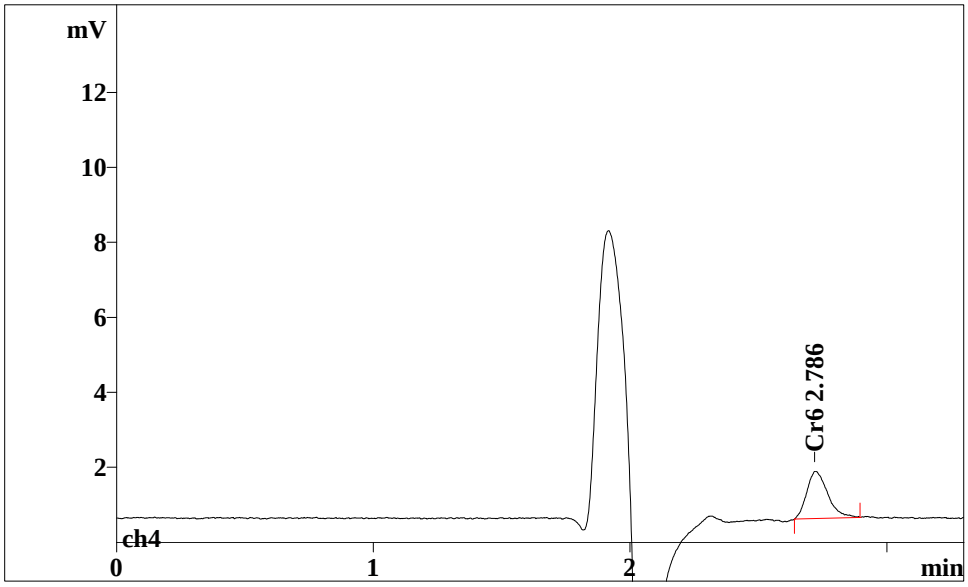
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32192

SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.086;	1.26;	100.03;	7.056;	100.00;	0.00;	0.00;	53

Report date: 12/21/2010 12:53:23 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-C MSS@10
Analysis from: 12/20/2010 4:53:57 PM
File: uc201653.chw Last save: 12/20/2010 4:57:15 PM

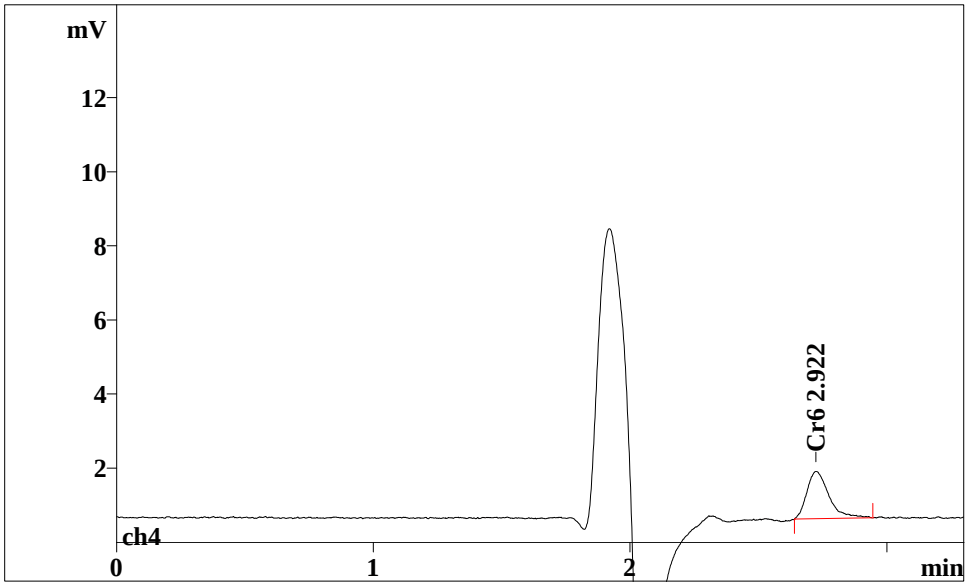
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32193

SAMPLE: 100ul loop
:
Vial number: 9
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.088;	1.28;	99.87;	7.539;	100.00;	0.00;	0.00;	48

Report date: 12/21/2010 12:53:26 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-D MSI@50
Analysis from: 12/20/2010 5:15:40 PM
File: uc201715.chw Last save: 12/20/2010 5:18:59 PM

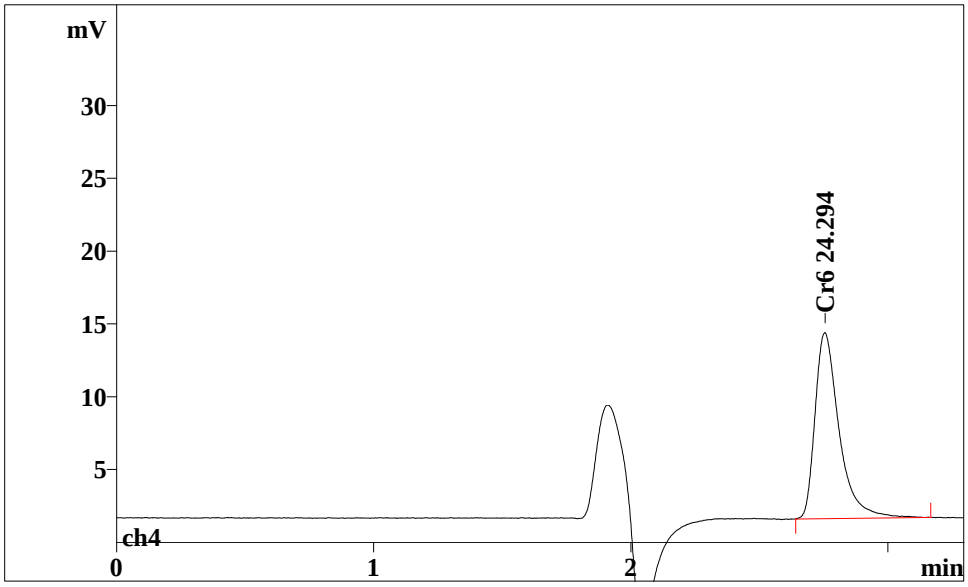
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32196

SAMPLE: 100ul loop
:
Vial number: 10
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.095;	12.78;	100.00;	83.164;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:53:30 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-D MSI@50
Analysis from: 12/20/2010 5:22:54 PM
File: uc201722.chw Last save: 12/20/2010 5:26:12 PM

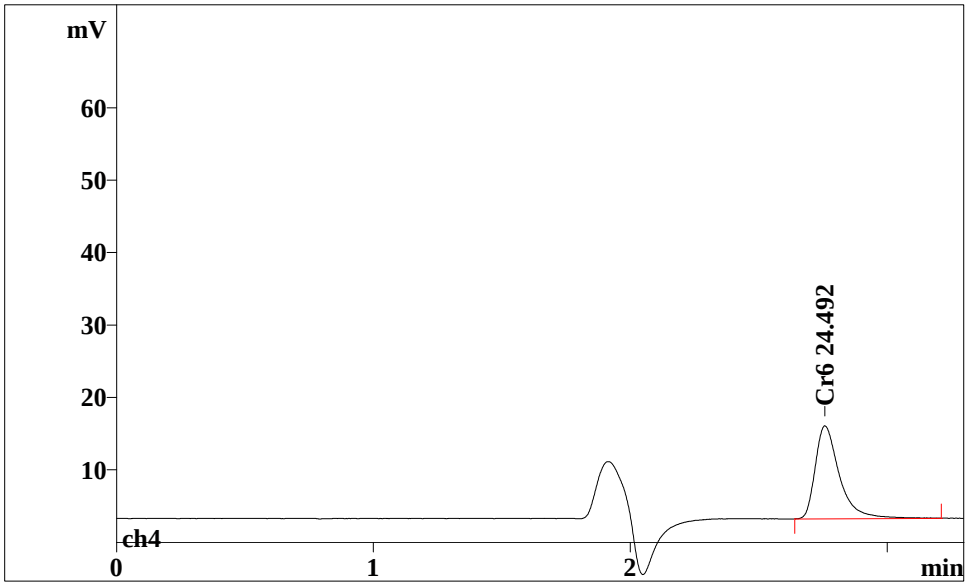
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32197

SAMPLE: 100ul loop
:
Vial number: 11
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.76;	0.094;	12.84;	99.96;	83.864;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:53:36 PM
Printed by: TestAmerica - Edison

Ident: MB 460-59331/1-A@10
Analysis from: 12/20/2010 5:30:09 PM
File: uc201730.chw Last save: 12/20/2010 5:33:27 PM

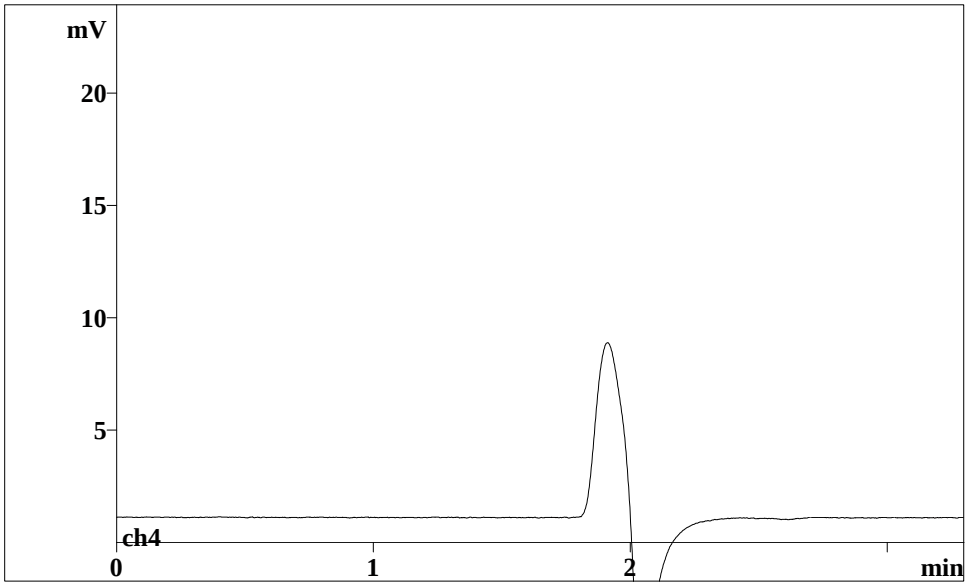
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32198

SAMPLE: 100ul loop
:
Vial number: 12
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:53:41 PM
Printed by: TestAmerica - Edison

Ident: MB 460-59331/1-A@10
Analysis from: 12/20/2010 5:37:24 PM
File: uc201737.chw Last save: 12/20/2010 5:40:42 PM

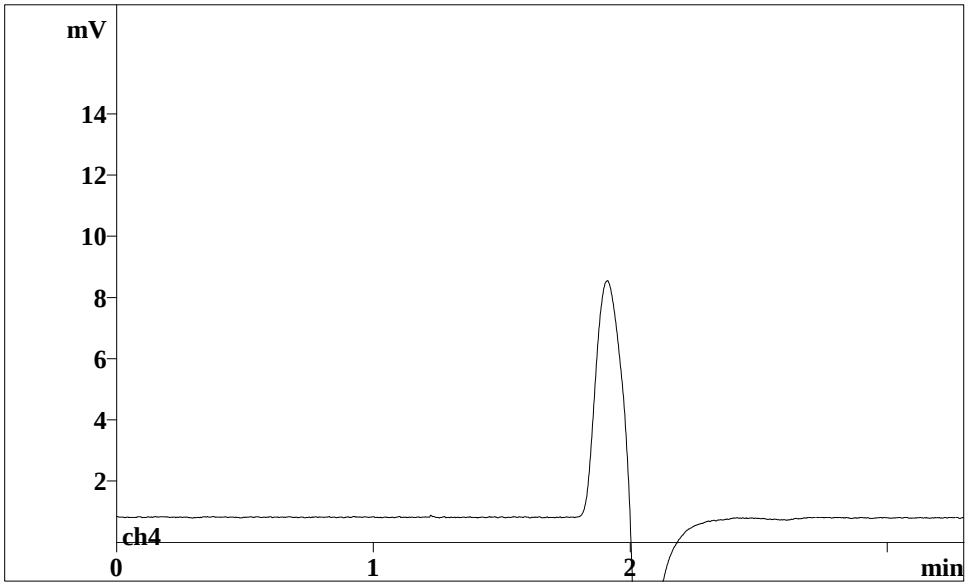
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32199

SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No peaks

Report date: 12/21/2010 12:53:44 PM
Printed by: TestAmerica - Edison

Ident: LCSS 460-59331/2-A@25
Analysis from: 12/20/2010 5:44:39 PM
File: uc201744.chw Last save: 12/20/2010 5:47:58 PM

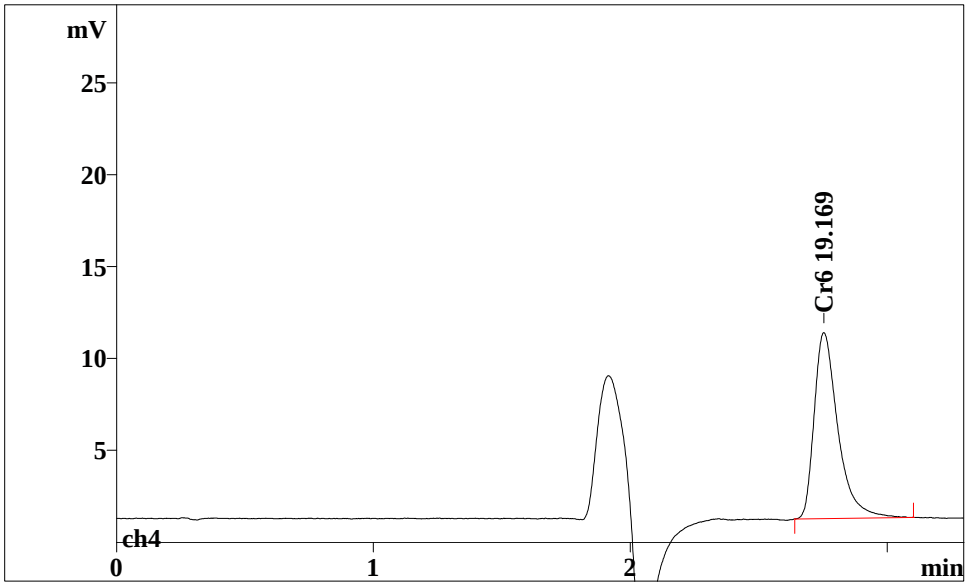
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32200

SAMPLE: 100ul loop
:
Vial number: 14
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.094;	10.12;	100.01;	65.031;	100.00;	0.00;	0.00;	41

Report date: 12/21/2010 12:53:50 PM
Printed by: TestAmerica - Edison

Ident: LCSS 460-59331/2-A@25
Analysis from: 12/20/2010 5:51:55 PM
File: uc201751.chw Last save: 12/20/2010 5:55:14 PM

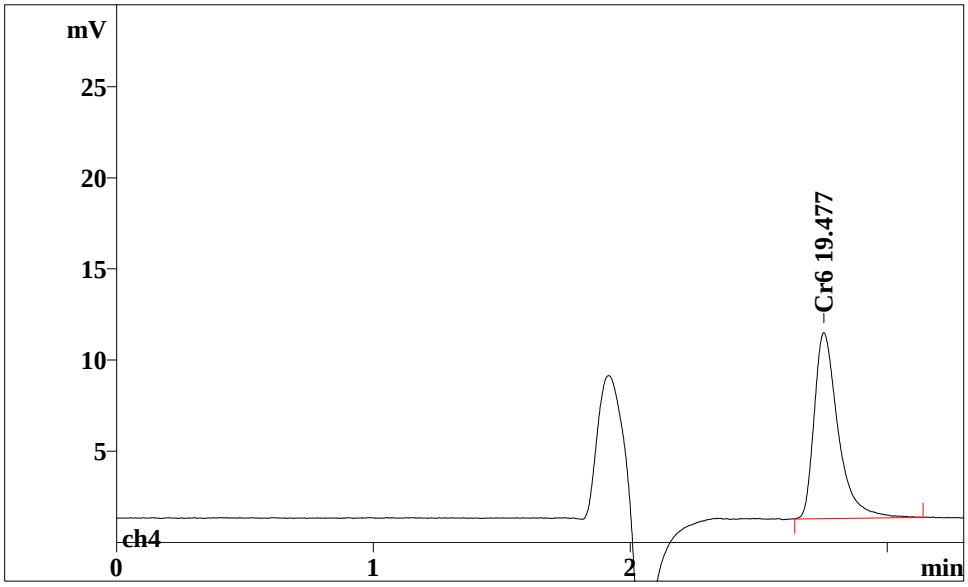
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32201

SAMPLE: 100ul loop
:
Vial number: 15
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.094;	10.20;	100.00;	66.119;	100.00;	0.00;	0.00;	40

Report date: 12/21/2010 12:53:53 PM
Printed by: TestAmerica - Edison

Ident: LCSS 460-59331/2-A@500
Analysis from: 12/20/2010 5:59:12 PM
File: uc201759.chw Last save: 12/20/2010 6:02:30 PM

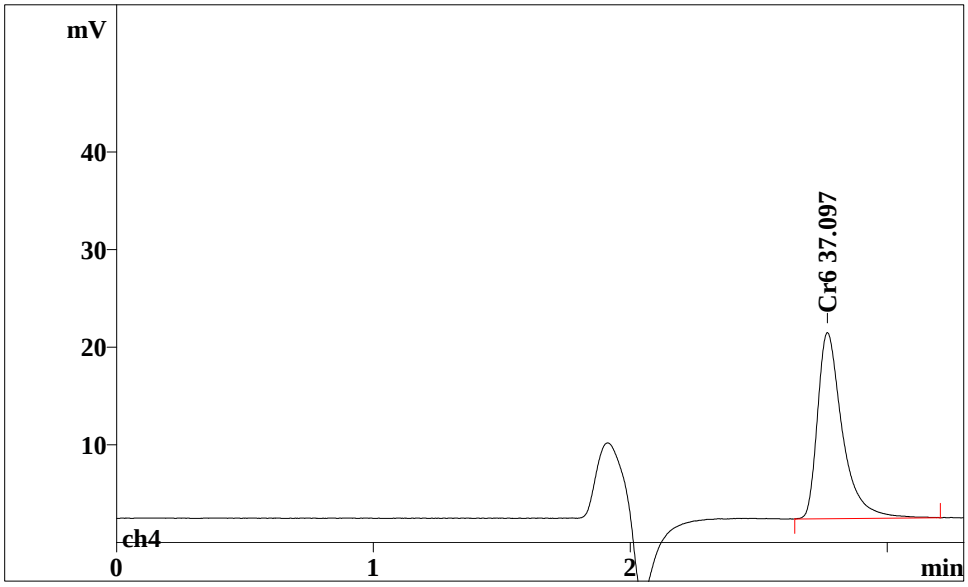
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32202

SAMPLE: 100ul loop
:
Vial number: 16
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.097;	19.07;	100.02;	128.471;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:53:57 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-59331/3-A@500
Analysis from: 12/20/2010 6:06:29 PM
File: uc201806.chw Last save: 12/20/2010 6:09:47 PM

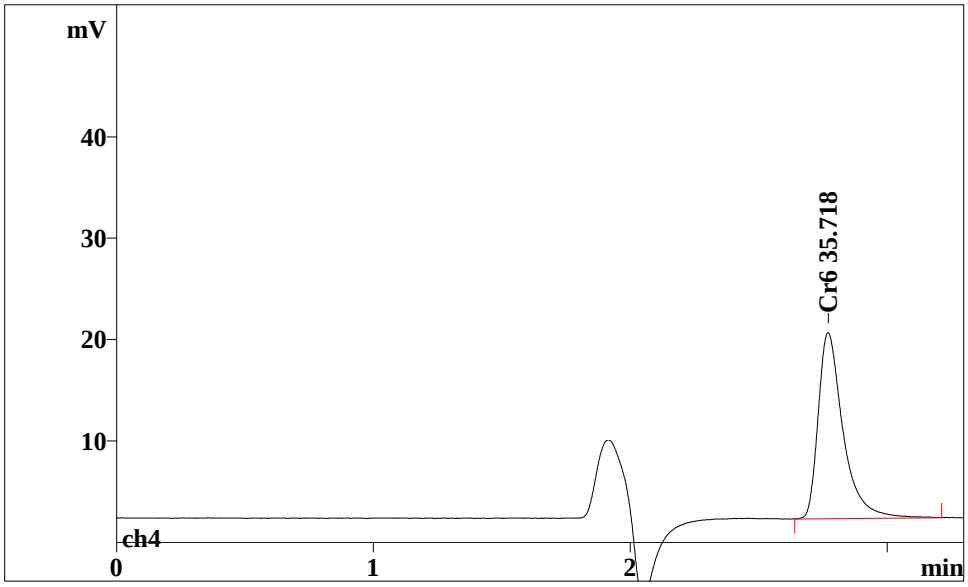
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32203

SAMPLE: 100ul loop
:
Vial number: 17
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.097;	18.34;	99.99;	123.589;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:54:01 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/20/2010 6:13:47 PM
File: uc201813.chw Last save: 12/20/2010 6:17:05 PM

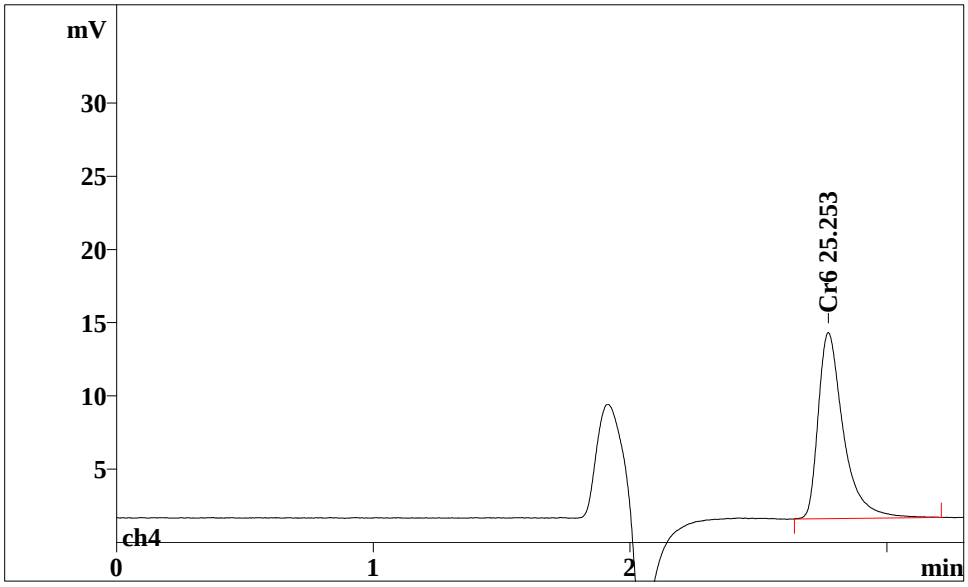
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32204

SAMPLE: 100ul loop
:
Vial number: 18
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.71;	100.03;	86.559;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:54:05 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/20/2010 6:21:05 PM
File: uc201821.chw Last save: 12/20/2010 6:24:24 PM

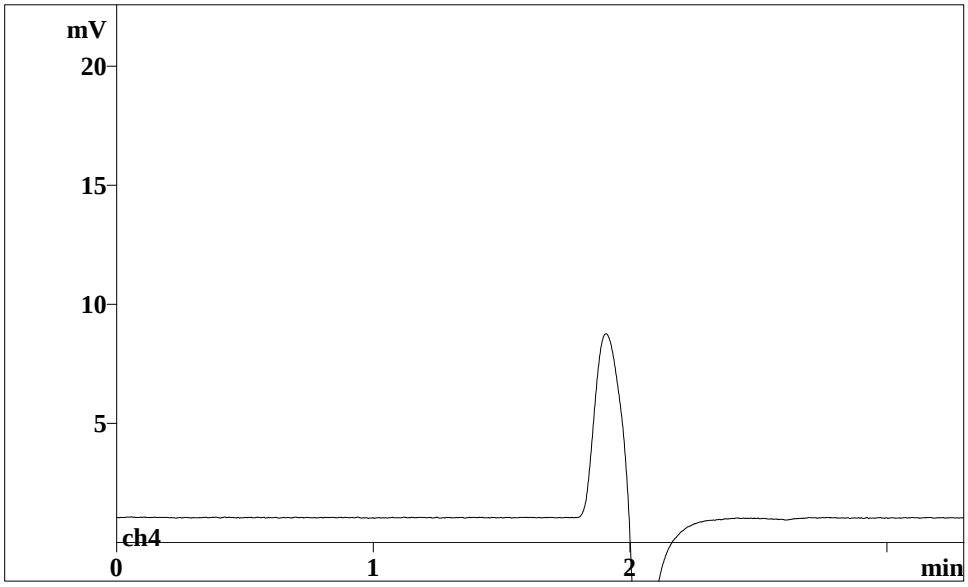
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32205

SAMPLE: 100ul loop
:
Vial number: 19
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No peaks

Report date: 12/21/2010 12:54:09 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-E@10
Analysis from: 12/20/2010 6:28:23 PM
File: uc201828.chw Last save: 12/20/2010 6:31:41 PM

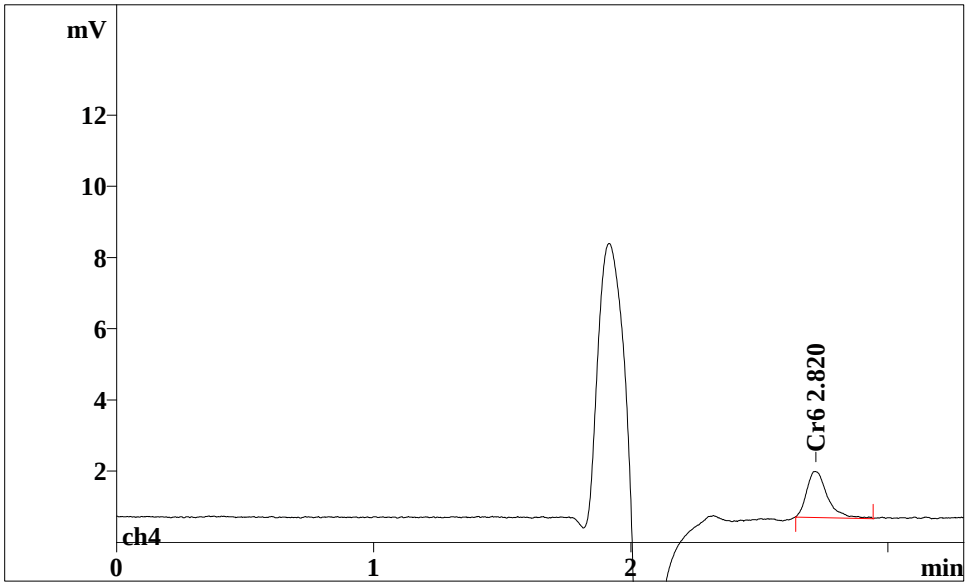
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32206

SAMPLE: 100ul loop
:
Vial number: 20
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.081;	1.29;	99.63;	7.178;	100.00;	0.00;	0.00;	54

Report date: 12/21/2010 12:54:13 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-E@10
Analysis from: 12/20/2010 6:35:41 PM
File: uc201835.chw Last save: 12/20/2010 6:39:00 PM

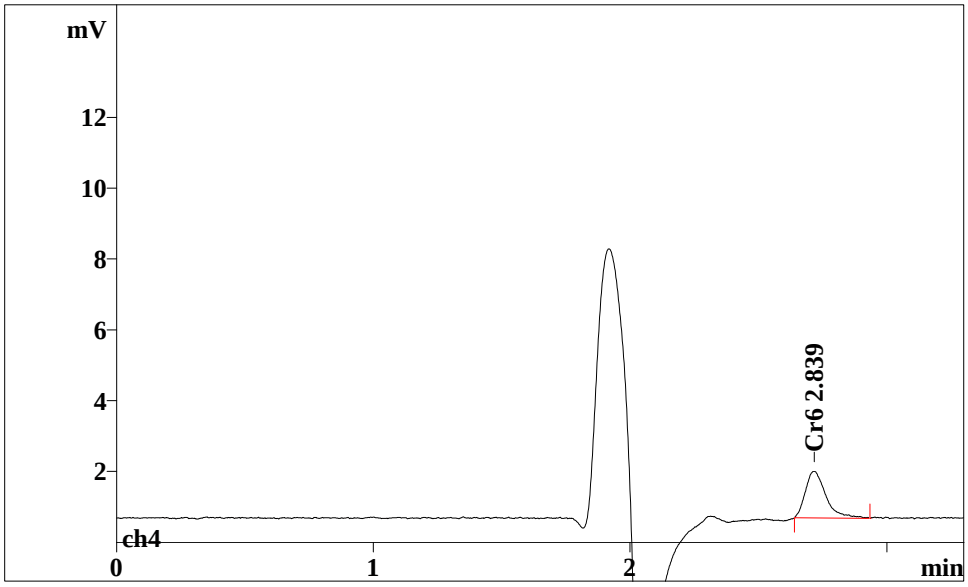
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32207

SAMPLE: 100ul loop
:
Vial number: 21
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.082;	1.32;	100.05;	7.246;	100.00;	0.00;	0.00;	55

Report date: 12/21/2010 12:54:17 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-F DU@10
Analysis from: 12/20/2010 6:42:59 PM
File: uc201842.chw Last save: 12/20/2010 6:46:18 PM

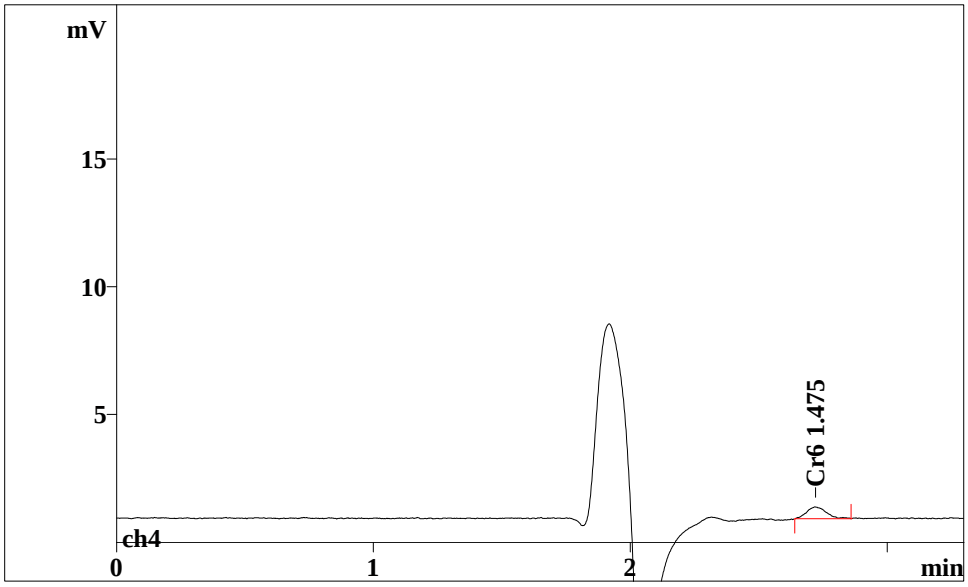
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32208

SAMPLE: 100ul loop
:
Vial number: 22
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.081;	0.46;	99.76;	2.417;	100.00;	0.00;	0.00;	59

Report date: 12/21/2010 12:54:21 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-F DU@10
Analysis from: 12/20/2010 6:50:17 PM
File: uc201850.chw Last save: 12/20/2010 6:53:36 PM

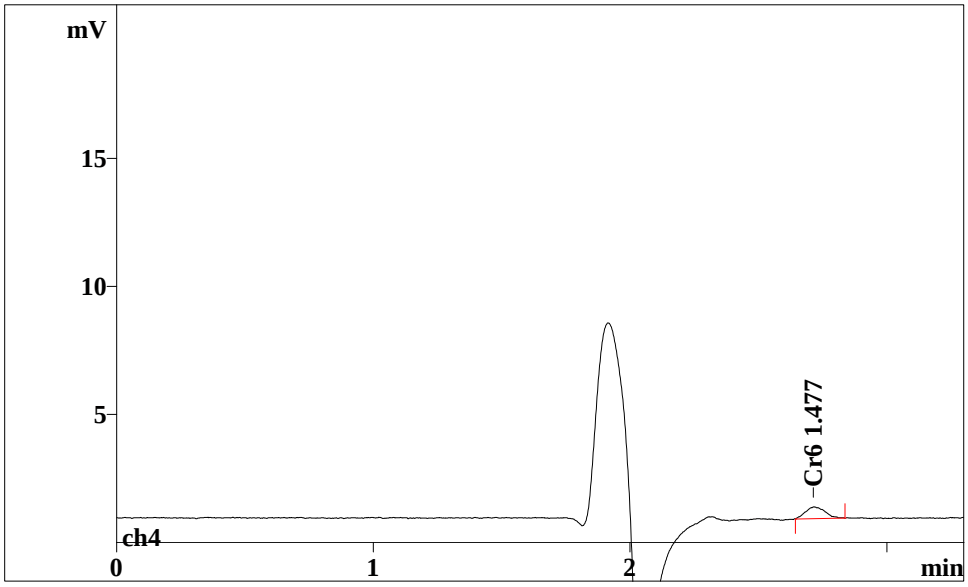
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32209

SAMPLE: 100ul loop
:
Vial number: 23
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.088;	0.46;	99.81;	2.426;	100.00;	0.00;	0.00;	59

Report date: 12/21/2010 12:54:25 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-G MSS@10
Analysis from: 12/20/2010 6:57:35 PM
File: uc201857.chw Last save: 12/20/2010 7:00:54 PM

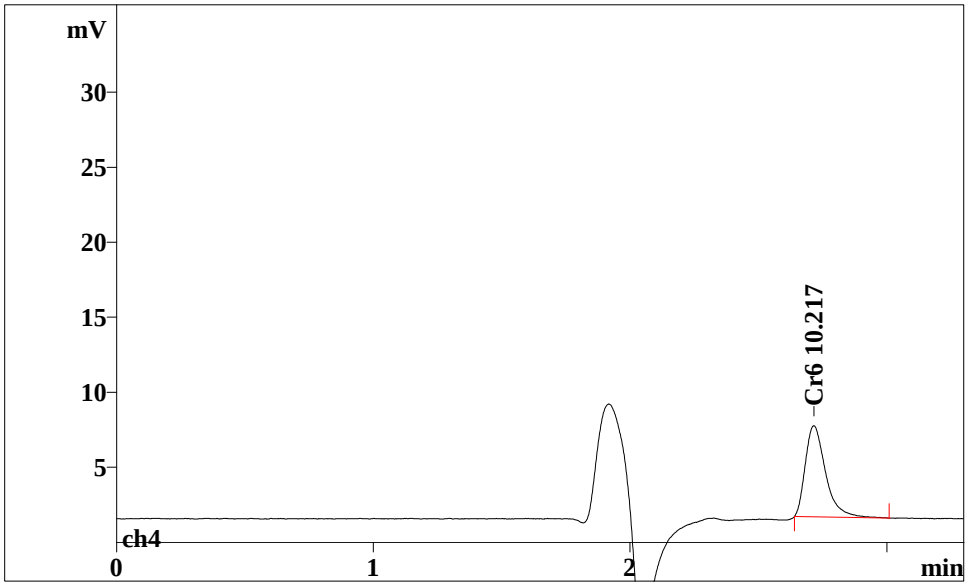
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32210

SAMPLE: 100ul loop
:
Vial number: 24
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.082;	6.07;	100.04;	33.351;	100.00;	0.00;	0.00;	55

Report date: 12/21/2010 12:54:30 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-G MSS@10
Analysis from: 12/20/2010 7:04:53 PM
File: uc201904.chw Last save: 12/20/2010 7:08:12 PM

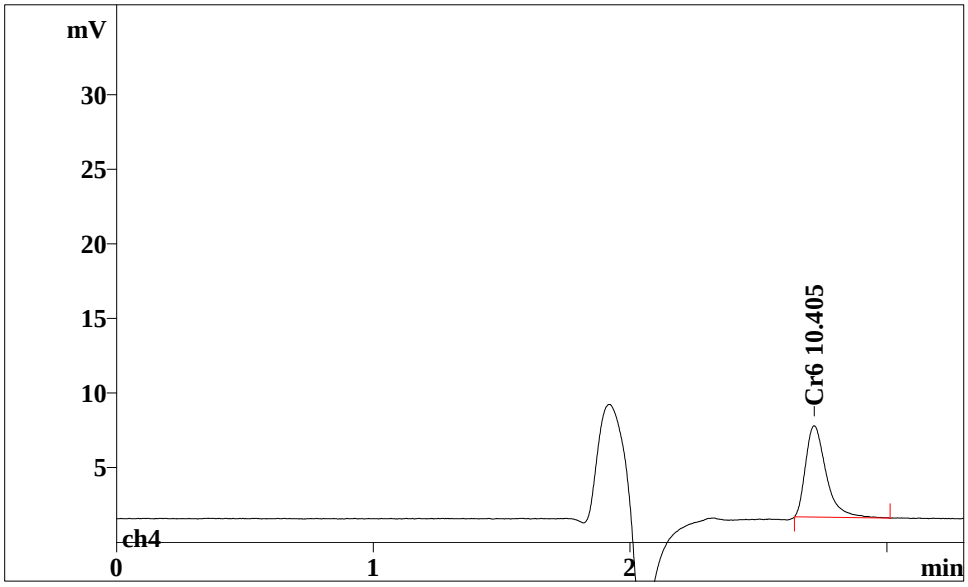
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32211

SAMPLE: 100ul loop
:
Vial number: 25
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.082;	6.12;	100.02;	34.019;	100.00;	0.00;	0.00;	54

Report date: 12/21/2010 12:54:34 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-H MSI@50
Analysis from: 12/20/2010 7:12:12 PM
File: uc201912.chw Last save: 12/20/2010 7:15:30 PM

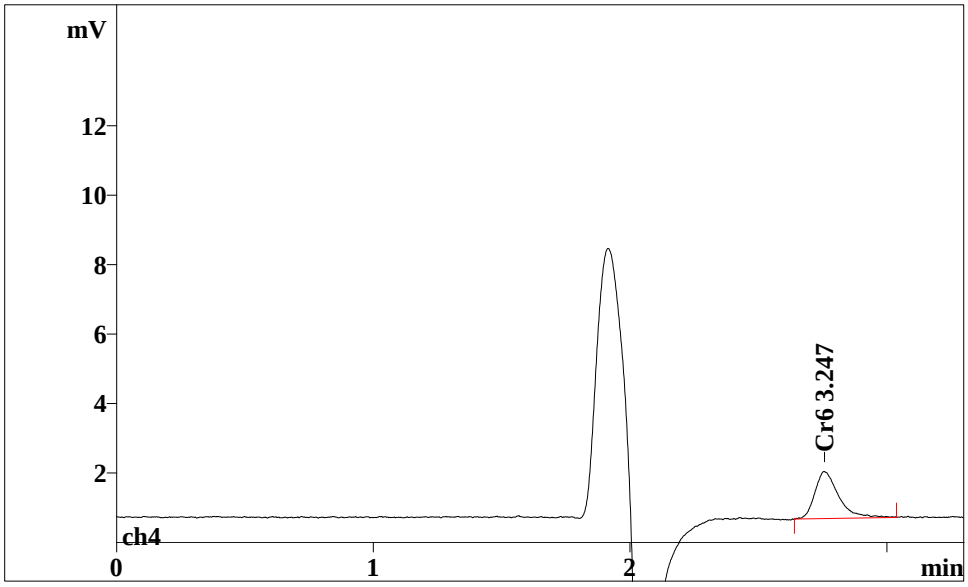
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32212

SAMPLE: 100ul loop
:
Vial number: 26
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.76;	0.093;	1.36;	99.71;	8.689;	100.00;	0.00;	0.00;	42

Report date: 12/21/2010 12:54:38 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-H MSI@50
Analysis from: 12/20/2010 7:19:29 PM
File: uc201919.chw Last save: 12/20/2010 7:22:48 PM

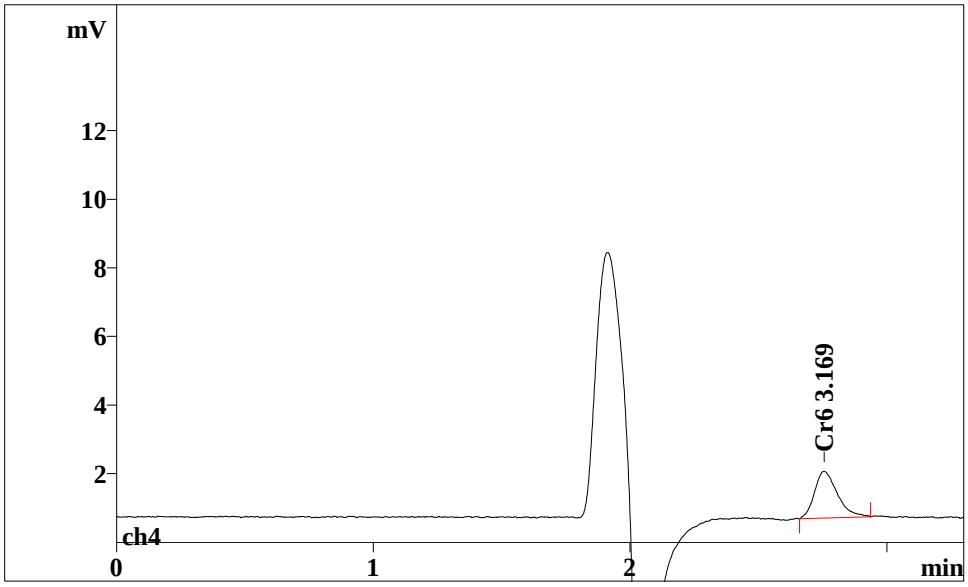
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32213

SAMPLE: 100ul loop
:
Vial number: 27
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.093;	1.36;	99.73;	8.411;	100.00;	0.00;	0.00;	45

Report date: 12/21/2010 12:54:42 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-1-B@10
Analysis from: 12/20/2010 7:26:47 PM
File: uc201926.chw Last save: 12/20/2010 7:30:05 PM

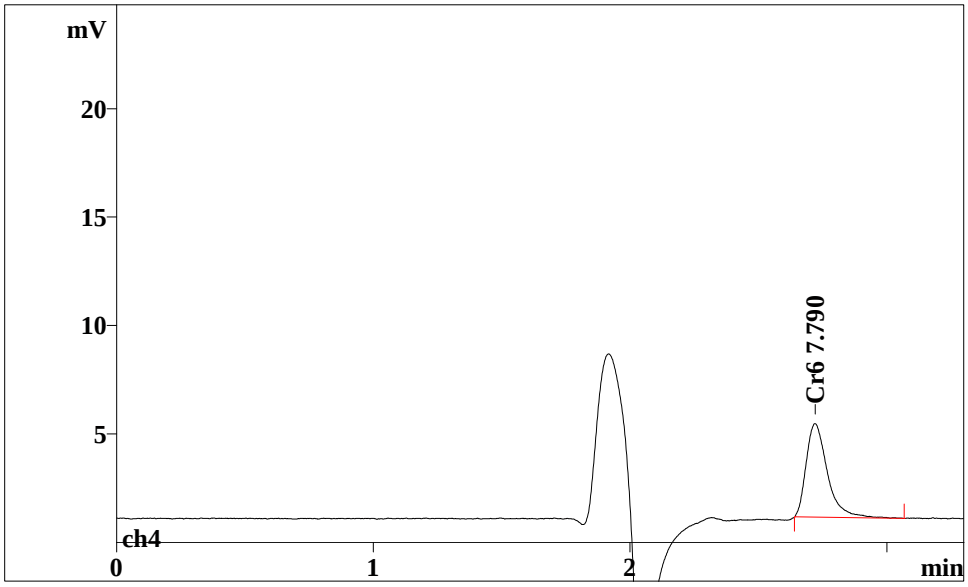
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32214

SAMPLE: 100ul loop
:
Vial number: 28
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.085;	4.32;	100.11;	24.764;	100.00;	0.00;	0.00;	50

Report date: 12/21/2010 12:54:46 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-1-B@10
Analysis from: 12/20/2010 7:34:04 PM
File: uc201934.chw Last save: 12/20/2010 7:37:22 PM

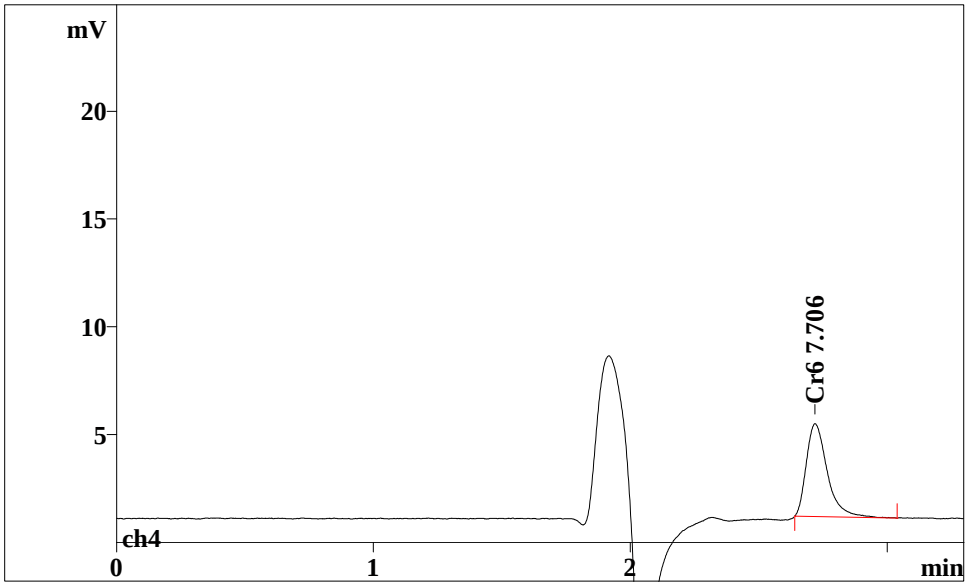
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32215

SAMPLE: 100ul loop
:
Vial number: 29
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.084;	4.31;	99.99;	24.466;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:54:50 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/20/2010 7:41:20 PM
File: uc201941.chw Last save: 12/20/2010 7:44:38 PM

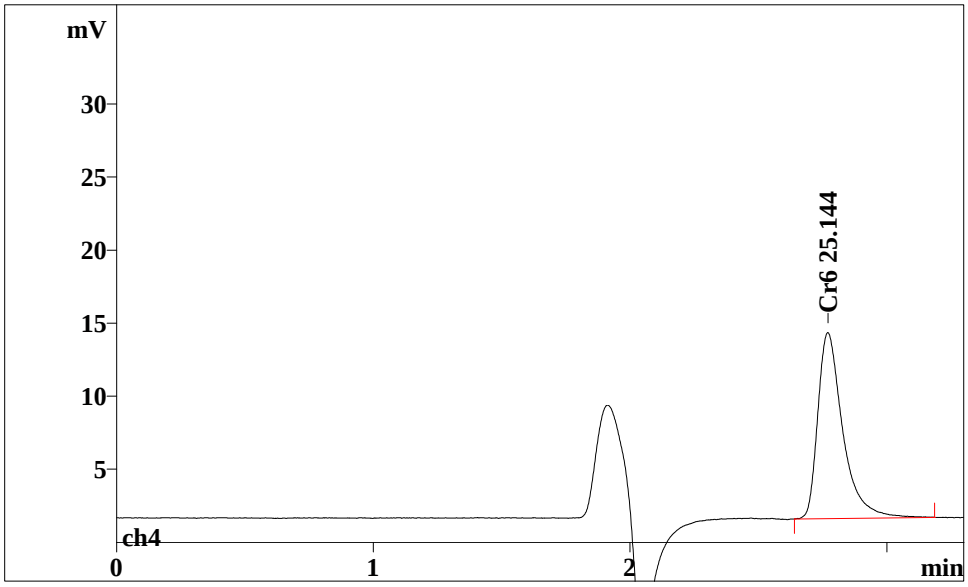
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32216

SAMPLE: 100ul loop
:
Vial number: 30
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.73;	100.02;	86.172;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:54:54 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/20/2010 7:48:35 PM
File: uc201948.chw Last save: 12/20/2010 7:51:54 PM

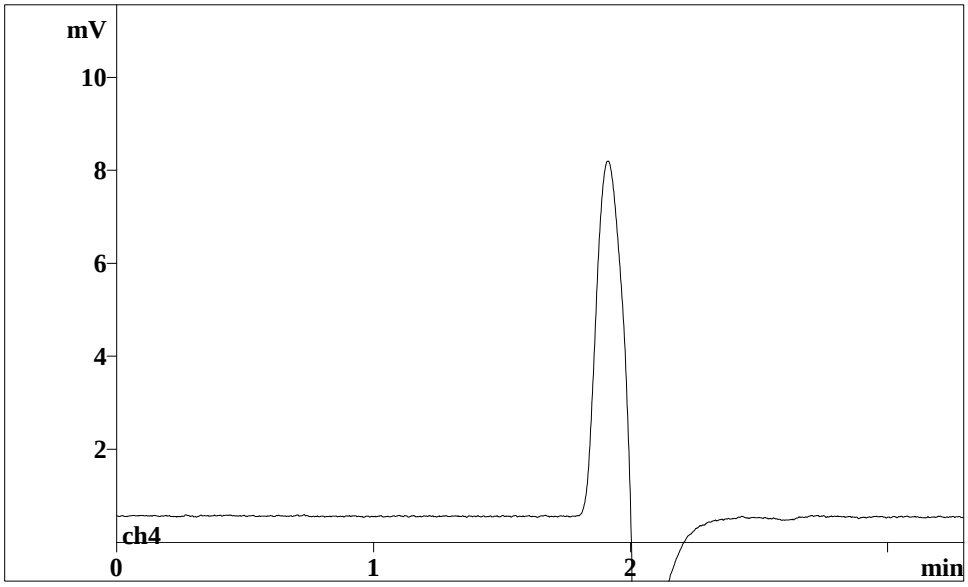
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32217

SAMPLE: 100ul loop
:
Vial number: 31
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No peaks

Report date: 12/21/2010 12:54:59 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-5-E@10
Analysis from: 12/20/2010 7:55:50 PM
File: uc201955.chw Last save: 12/20/2010 7:59:09 PM

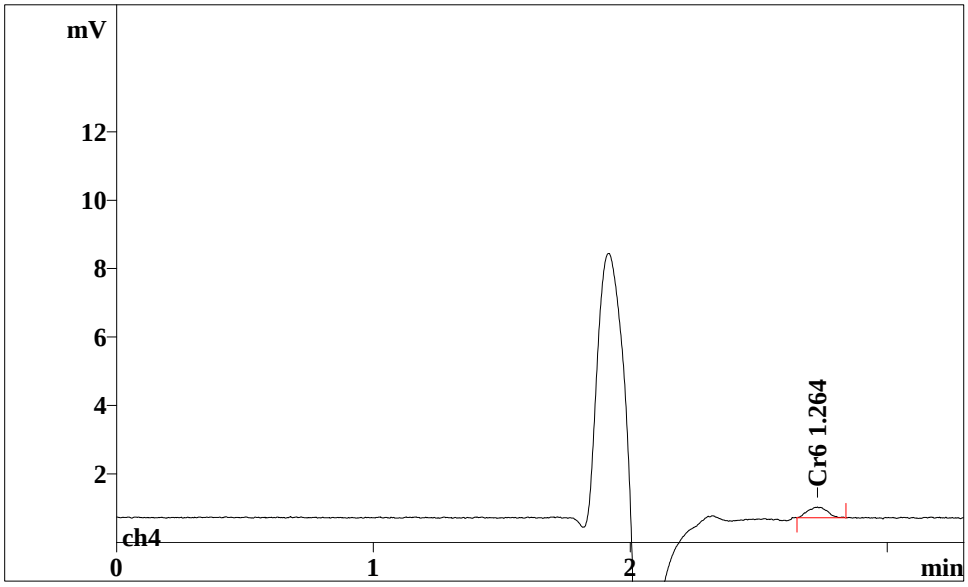
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32218

SAMPLE: 100ul loop
:
Vial number: 32
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.090;	0.31;	97.55;	1.670;	100.00;	0.00;	0.00;	60

Report date: 12/21/2010 12:55:03 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-5-E@10
Analysis from: 12/20/2010 8:03:05 PM
File: uc202003.chw Last save: 12/20/2010 8:06:23 PM

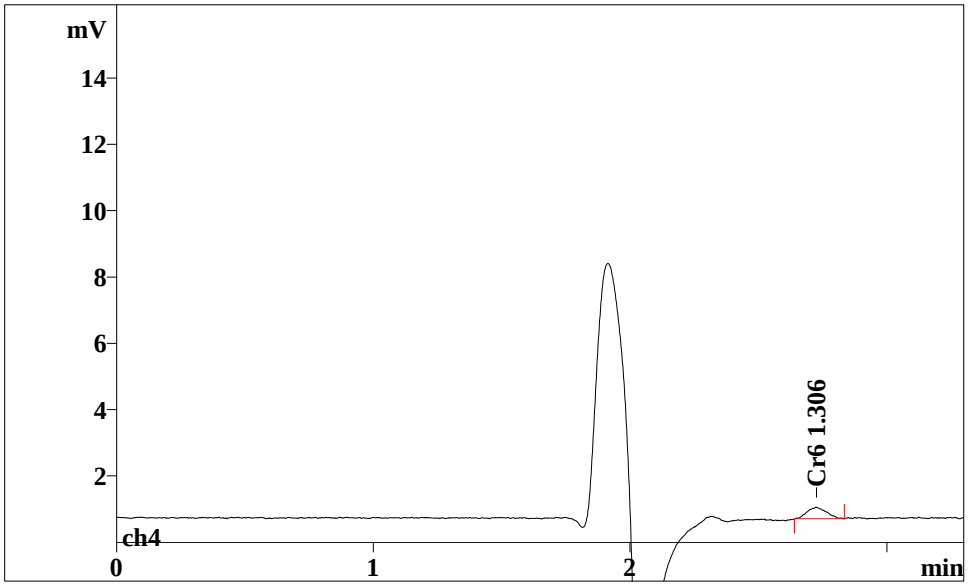
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32219

SAMPLE: 100ul loop
:
Vial number: 33
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.087;	0.35;	98.10;	1.821;	100.00;	0.00;	0.00;	64

Report date: 12/21/2010 12:55:08 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-6-E@10
Analysis from: 12/20/2010 8:10:18 PM
File: uc202010.chw Last save: 12/20/2010 8:13:36 PM

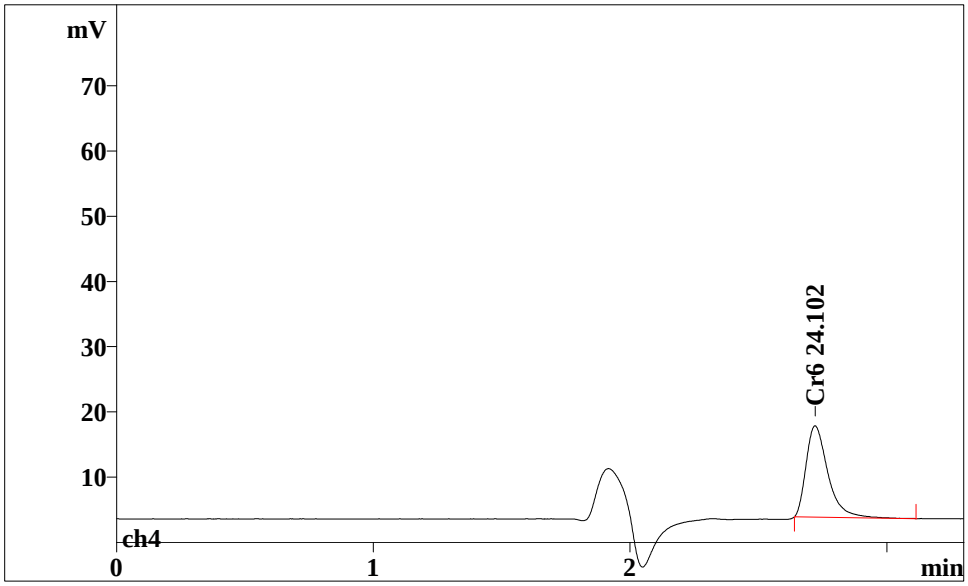
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32220

SAMPLE: 100ul loop
:
Vial number: 34
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.087;	14.01;	100.02;	82.487;	100.00;	0.00;	0.00;	48

Report date: 12/21/2010 12:55:12 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-6-E@10
Analysis from: 12/20/2010 8:17:31 PM
File: uc202017.chw Last save: 12/20/2010 8:20:49 PM

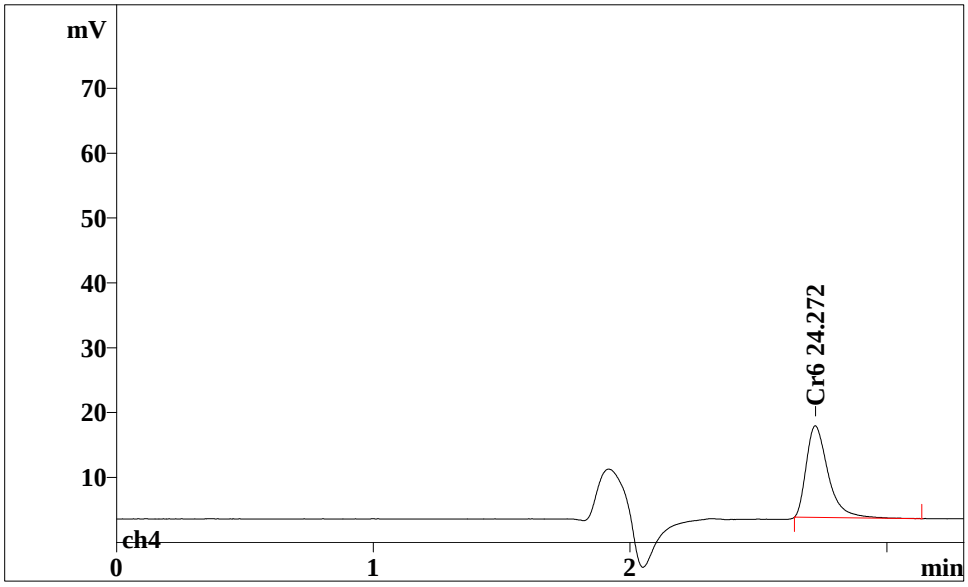
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32221

SAMPLE: 100ul loop
:
Vial number: 35
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.087;	14.12;	100.00;	83.085;	100.00;	0.00;	0.00;	48

Report date: 12/21/2010 12:55:16 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-7-B@10
Analysis from: 12/20/2010 8:24:43 PM
File: uc202024.chw Last save: 12/20/2010 8:28:01 PM

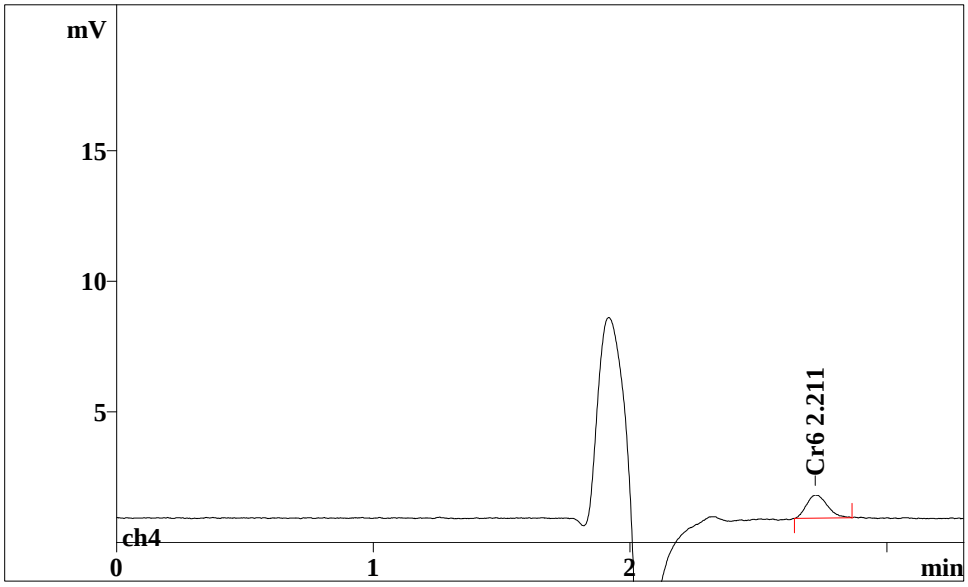
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32222

SAMPLE: 100ul loop
:
Vial number: 36
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.089;	0.89;	100.13;	5.022;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:55:20 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-7-B@10
Analysis from: 12/20/2010 8:31:54 PM
File: uc202031.chw Last save: 12/20/2010 8:35:13 PM

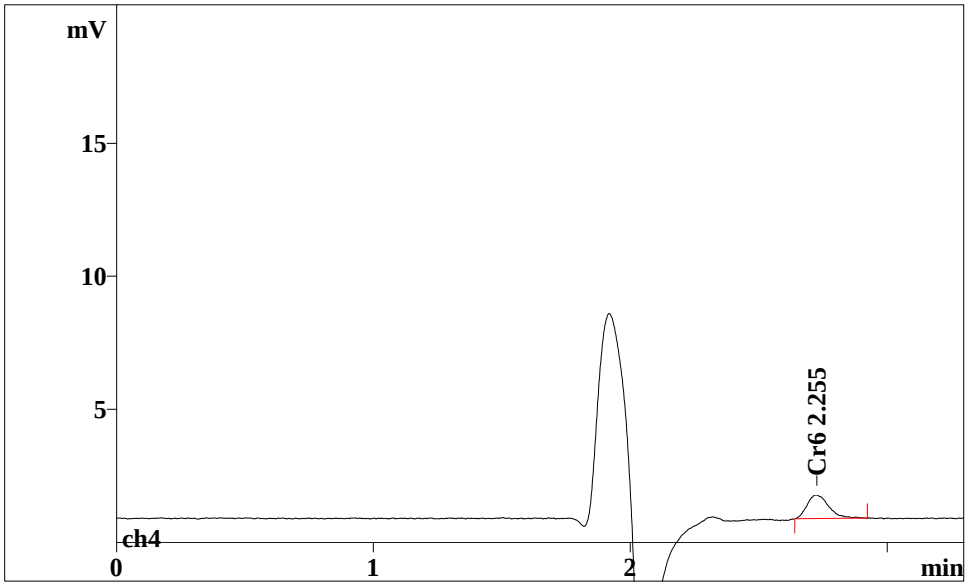
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32223

SAMPLE: 100ul loop
:
Vial number: 37
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.088;	0.88;	100.02;	5.177;	100.00;	0.00;	0.00;	48

Report date: 12/21/2010 12:55:24 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-11-B@10
Analysis from: 12/20/2010 8:39:06 PM
File: uc202039.chw Last save: 12/20/2010 8:42:24 PM

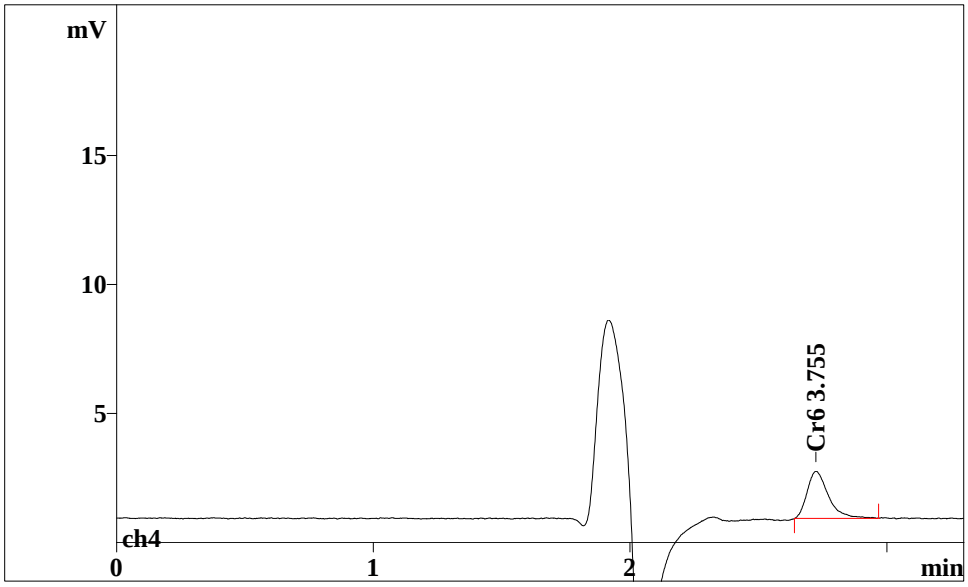
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32224

SAMPLE: 100ul loop
:
Vial number: 38
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.084;	1.83;	100.04;	10.485;	100.00;	0.00;	0.00;	51

Report date: 12/21/2010 12:55:28 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-11-B@10
Analysis from: 12/20/2010 8:46:16 PM
File: uc202046.chw Last save: 12/20/2010 8:49:34 PM

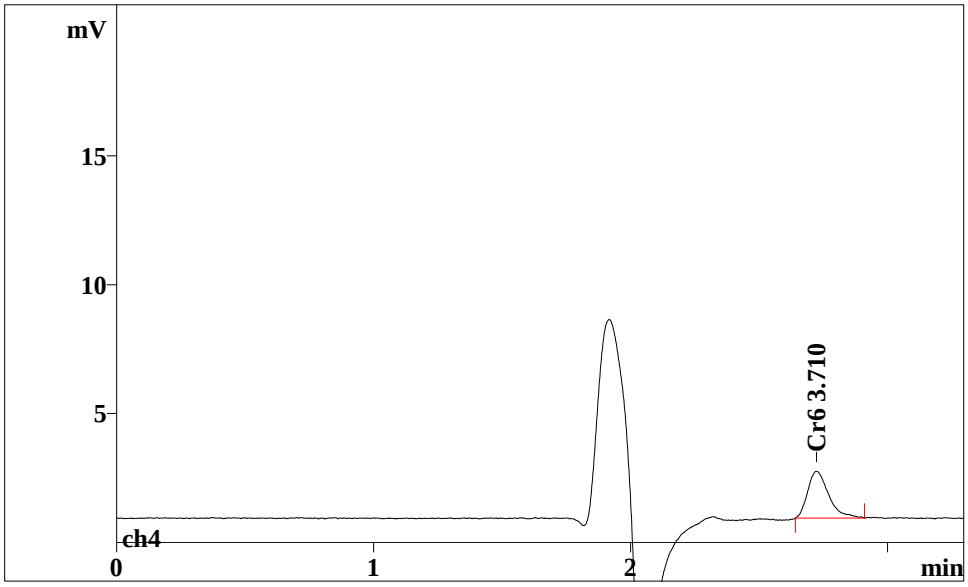
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32225

SAMPLE: 100ul loop
:
Vial number: 39
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.085;	1.82;	100.00;	10.325;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:55:32 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-12-C@10
Analysis from: 12/20/2010 8:53:26 PM
File: uc202053.chw Last save: 12/20/2010 8:56:44 PM

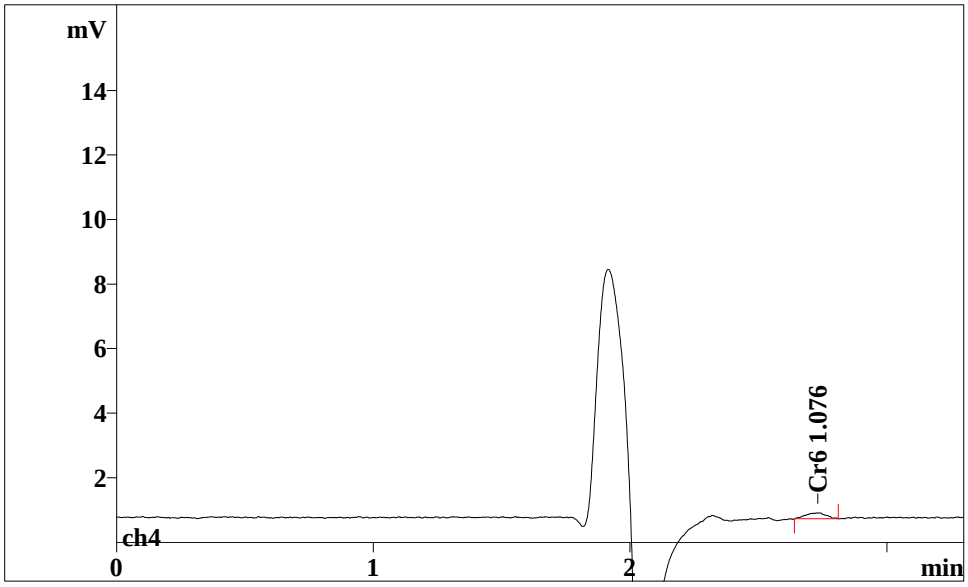
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32226

SAMPLE: 100ul loop
:
Vial number: 40
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.74;	0.097;	0.18;	98.52;	1.007;	100.00;	0.00;	0.00;	55

Report date: 12/21/2010 12:55:37 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-E-12-C@10
Analysis from: 12/20/2010 9:00:35 PM
File: uc202100.chw Last save: 12/20/2010 9:03:54 PM

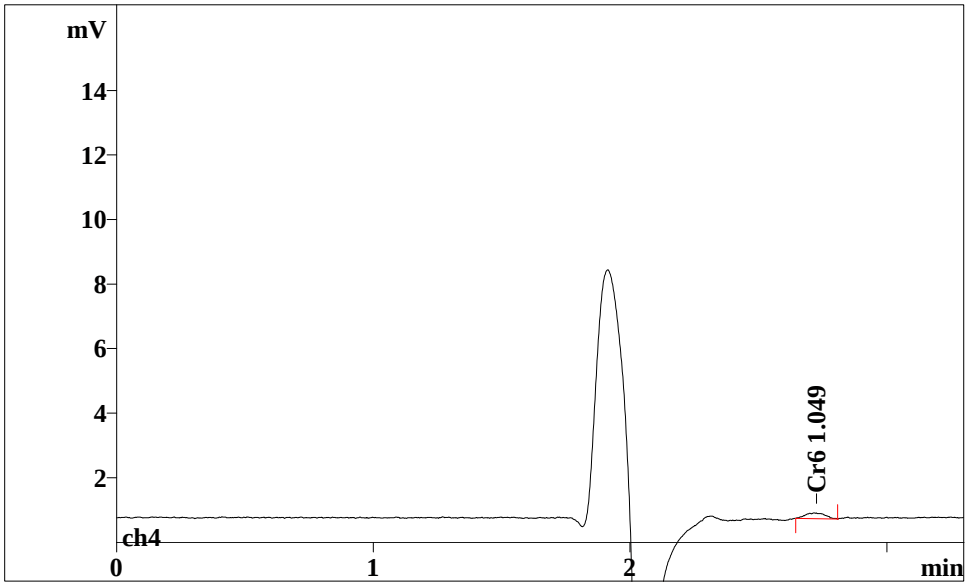
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32227

SAMPLE: 100ul loop
:
Vial number: 41
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.089;	0.17;	96.66;	0.910;	100.00;	0.00;	0.00;	62

Report date: 12/21/2010 12:55:41 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/20/2010 9:07:44 PM
File: uc202107.chw Last save: 12/20/2010 9:11:02 PM

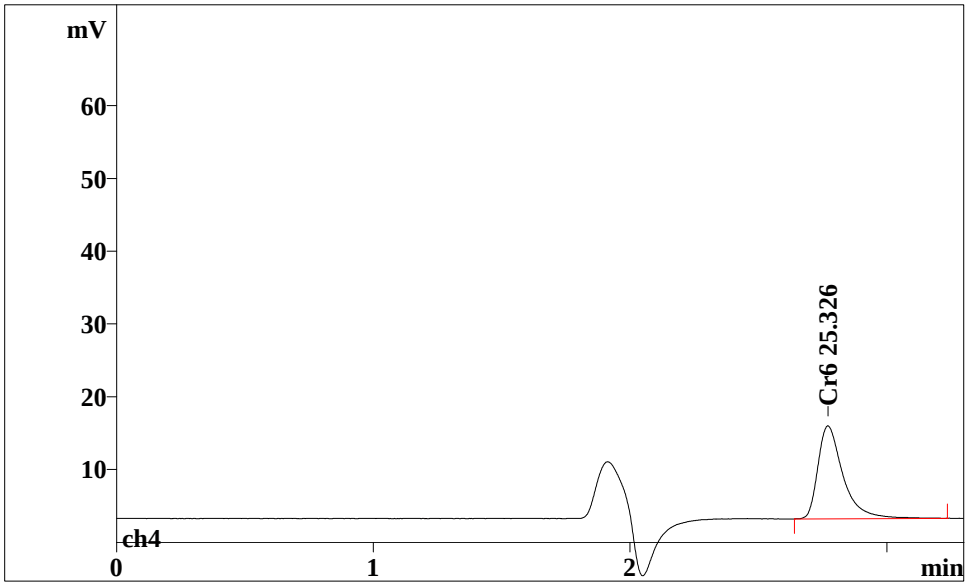
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32228

SAMPLE: 100ul loop
:
Vial number: 42
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.78;	99.97;	86.817;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:55:46 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/20/2010 9:14:52 PM
File: uc202114.chw Last save: 12/20/2010 9:18:10 PM

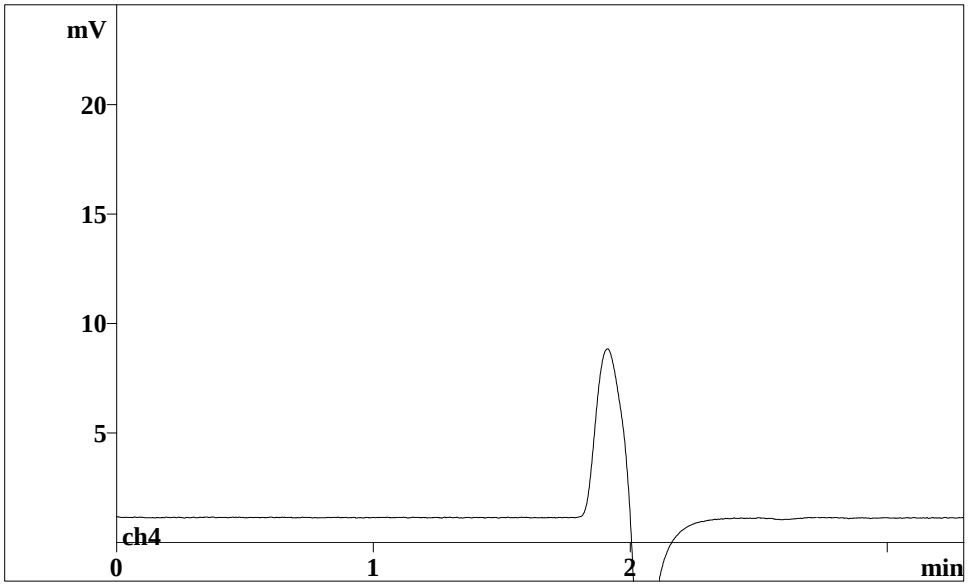
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32229

SAMPLE: 100ul loop
:
Vial number: 43
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No peaks

Report date: 12/21/2010 12:55:50 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-D-1-C@10
Analysis from: 12/20/2010 9:21:59 PM
File: uc202121.chw Last save: 12/20/2010 9:25:17 PM

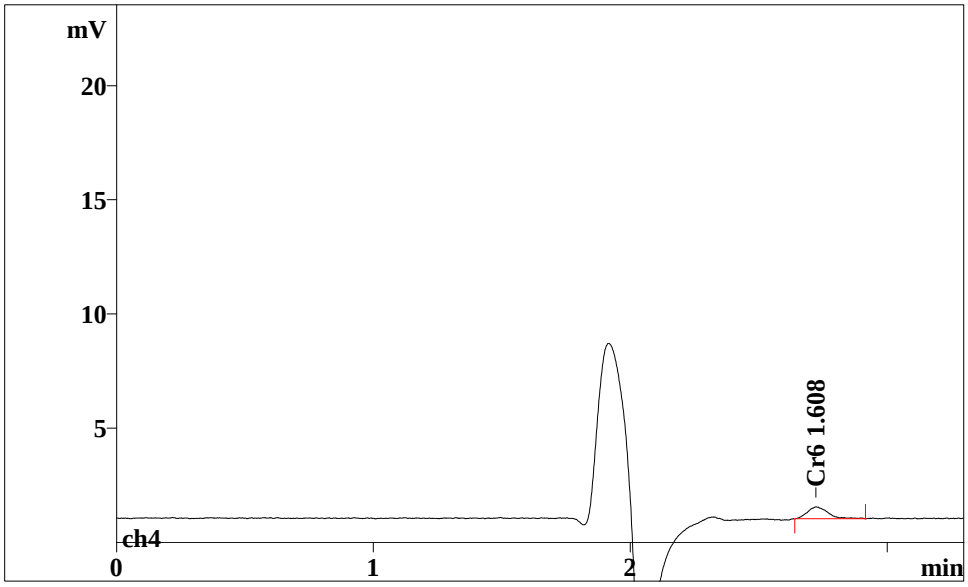
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32230

SAMPLE: 100ul loop
:
Vial number: 44
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.084;	0.51;	99.82;	2.890;	100.00;	0.00;	0.00;	53

Report date: 12/21/2010 12:55:56 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-D-1-C@10
Analysis from: 12/20/2010 9:29:09 PM
File: uc202129.chw Last save: 12/20/2010 9:32:27 PM

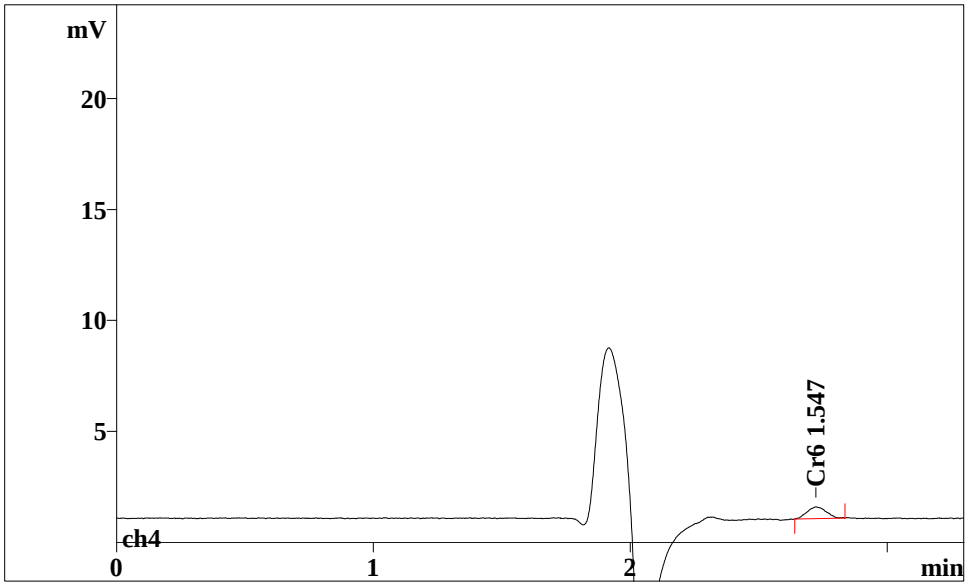
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32231

SAMPLE: 100ul loop
:
Vial number: 45
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.084;	0.52;	99.85;	2.673;	100.00;	0.00;	0.00;	63

Report date: 12/21/2010 12:56:00 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-B-2-C@10
Analysis from: 12/20/2010 9:36:16 PM
File: uc202136.chw Last save: 12/20/2010 9:39:34 PM

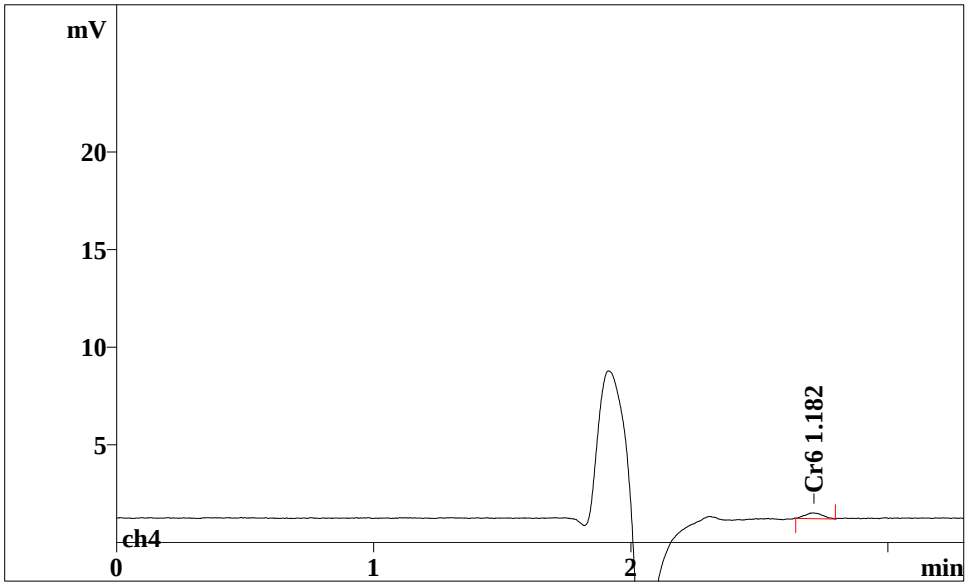
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32232

SAMPLE: 100ul loop
:
Vial number: 46
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.080;	0.29;	98.91;	1.382;	100.00;	0.00;	0.00;	73

Report date: 12/21/2010 12:56:04 PM
Printed by: TestAmerica - Edison

Ident: 460-20951-B-2-C@10
Analysis from: 12/20/2010 9:43:24 PM
File: uc202143.chw Last save: 12/20/2010 9:46:43 PM

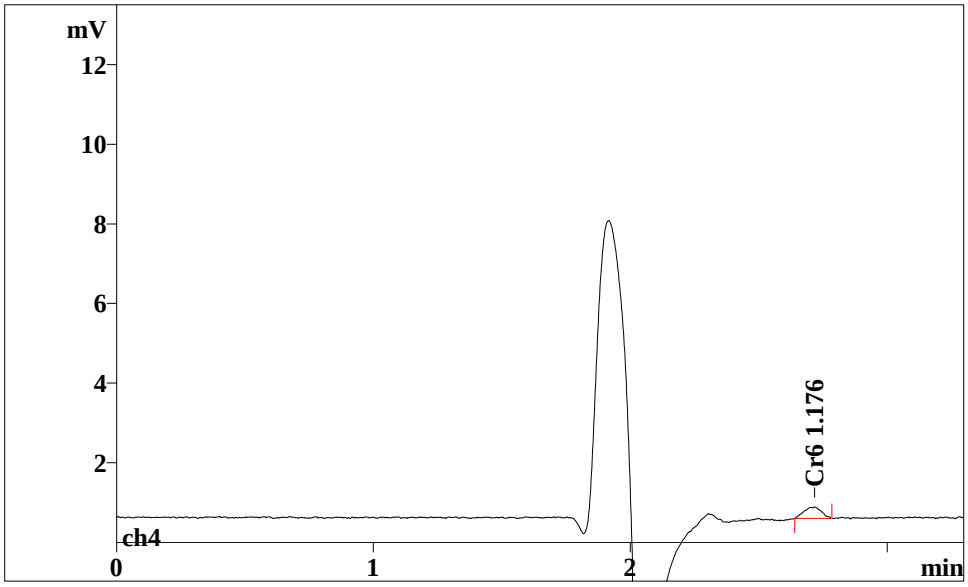
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32233

SAMPLE: 100ul loop
:
Vial number: 47
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.080;	0.29;	98.81;	1.360;	100.00;	0.00;	0.00;	75

Report date: 12/21/2010 12:56:08 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-1-I@10
Analysis from: 12/20/2010 9:50:33 PM
File: uc202150.chw Last save: 12/20/2010 9:53:51 PM

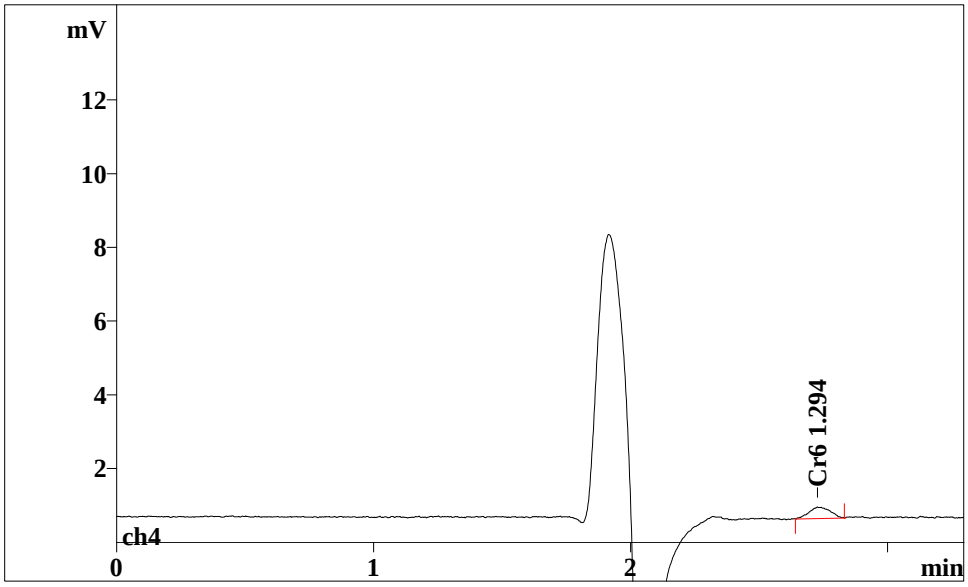
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32234

SAMPLE: 100ul loop
:
Vial number: 48
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.094;	0.31;	97.95;	1.778;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:56:12 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-1-I@10
Analysis from: 12/20/2010 9:57:43 PM
File: uc202157.chw Last save: 12/20/2010 10:01:01 PM

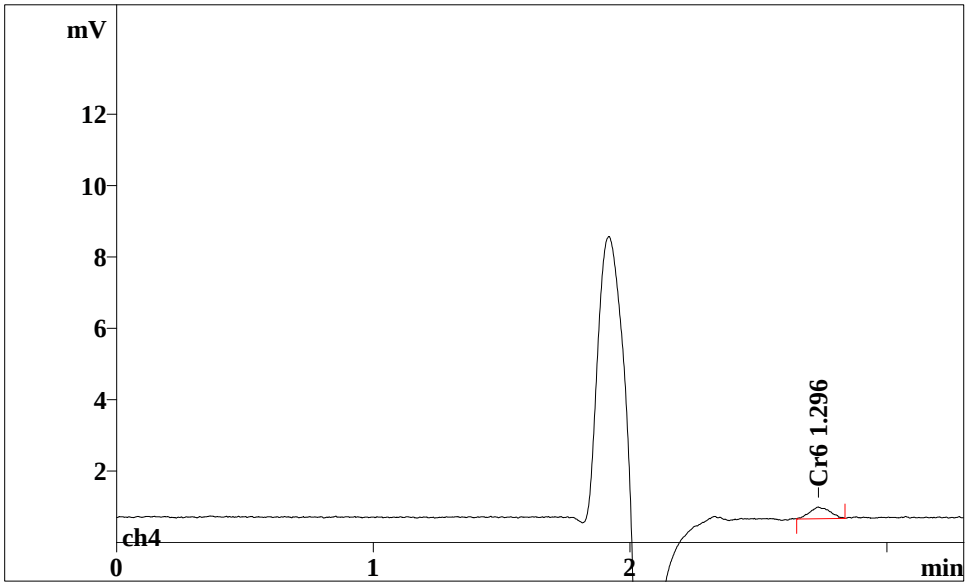
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32235

SAMPLE: 100ul loop
:
Vial number: 49
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.089;	0.32;	98.57;	1.783;	100.00;	0.00;	0.00;	57

Report date: 12/21/2010 12:56:16 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-2-K@10
Analysis from: 12/20/2010 10:04:53 PM
File: uc202204.chw Last save: 12/20/2010 10:08:12 PM

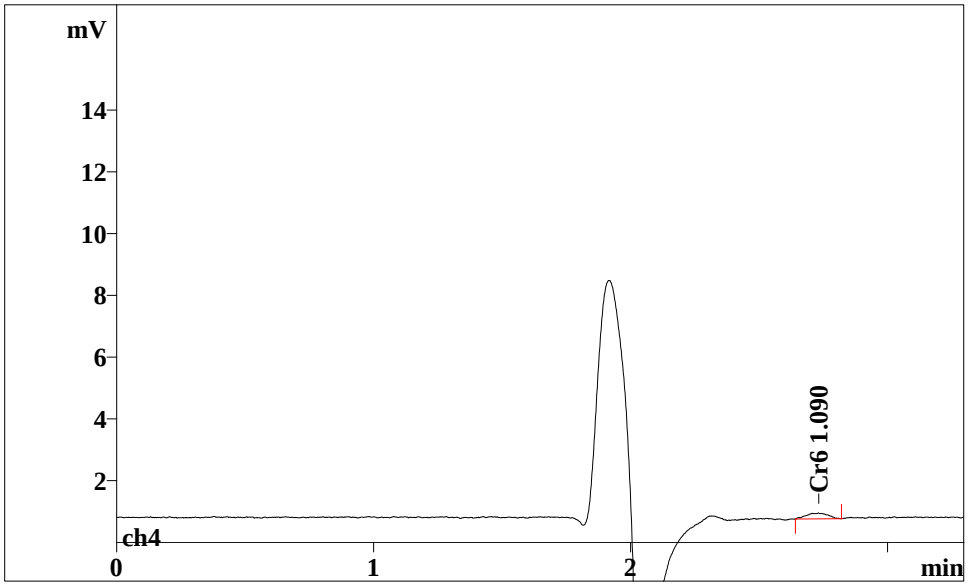
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32236

SAMPLE: 100ul loop
:
Vial number: 50
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.099;	0.18;	96.29;	1.056;	100.00;	0.00;	0.00;	54

Report date: 12/21/2010 12:56:20 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-D-2-K@10
Analysis from: 12/20/2010 10:12:04 PM
File: uc202212.chw Last save: 12/20/2010 10:15:23 PM

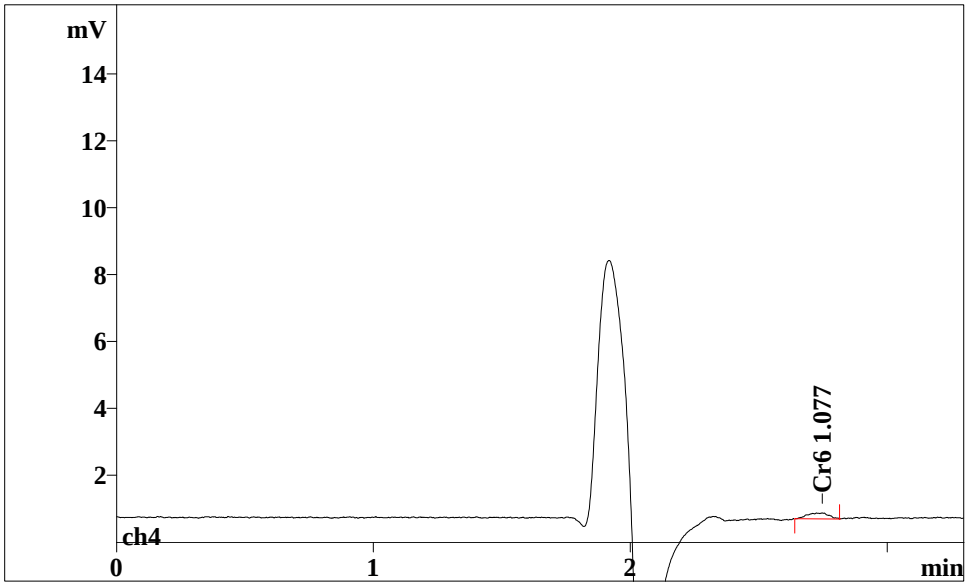
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32237

SAMPLE: 100ul loop
:
Vial number: 51
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.1 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.103;	0.17;	97.37;	1.008;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:56:26 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-4-I@10
Analysis from: 12/20/2010 10:19:16 PM
File: uc202219.chw Last save: 12/20/2010 10:22:35 PM

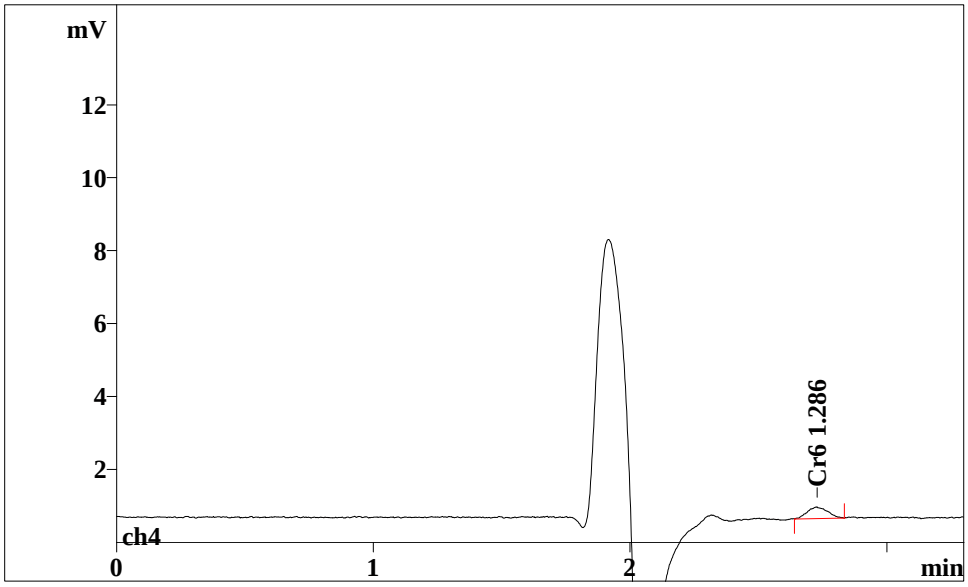
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32238

SAMPLE: 100ul loop
:
Vial number: 52
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.091;	0.32;	99.67;	1.750;	100.00;	0.00;	0.00;	55

Report date: 12/21/2010 12:56:30 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-4-I@10
Analysis from: 12/20/2010 10:26:29 PM
File: uc202226.chw Last save: 12/20/2010 10:29:47 PM

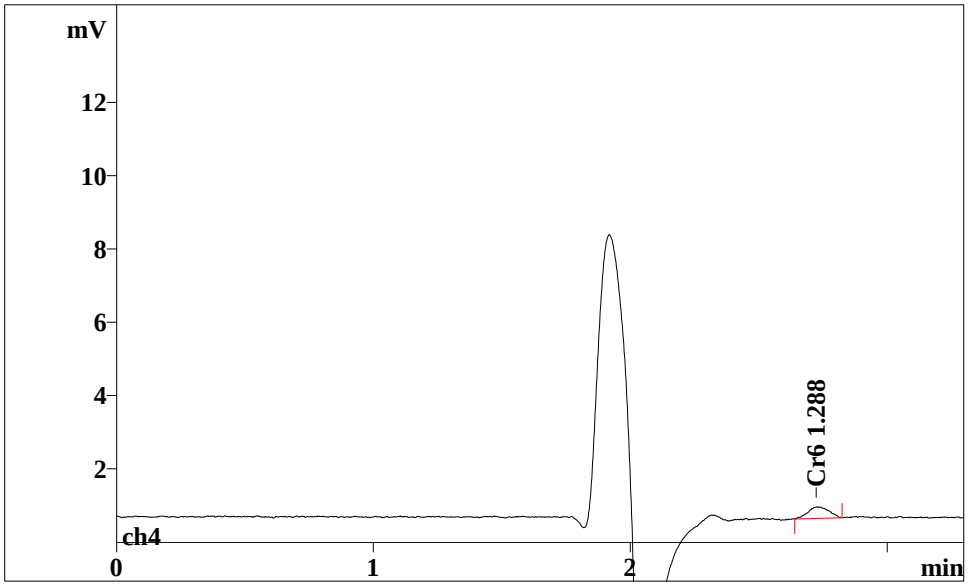
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32239

SAMPLE: 100ul loop
:
Vial number: 53
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.092;	0.31;	99.29;	1.755;	100.00;	0.00;	0.00;	52

Report date: 12/21/2010 12:56:34 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/20/2010 10:33:42 PM
File: uc202233.chw Last save: 12/20/2010 10:37:00 PM

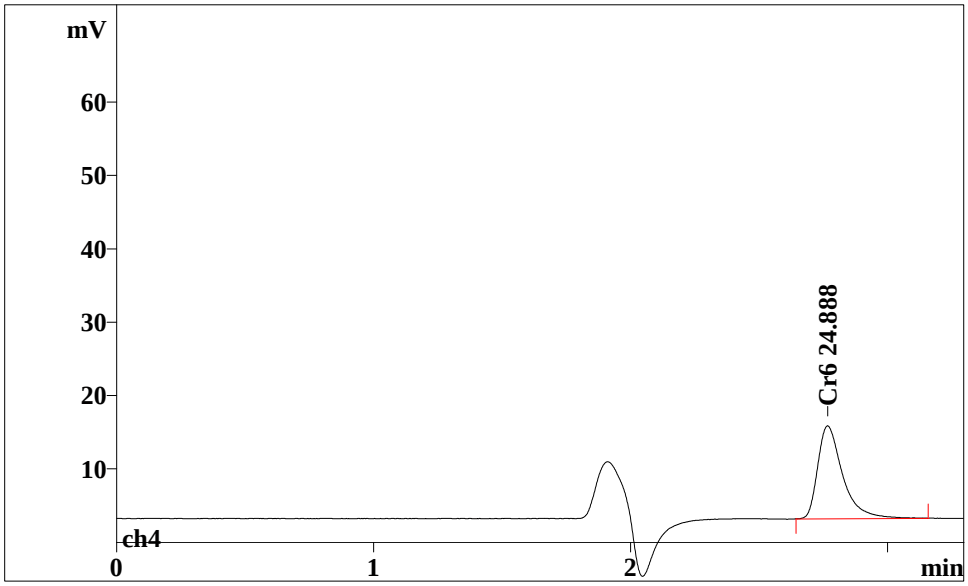
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32240

SAMPLE: 100ul loop
:
Vial number: 54
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.9 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.67;	99.95;	85.266;	100.00;	0.00;	0.00;	38

Report date: 12/21/2010 12:56:40 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/20/2010 10:40:56 PM
File: uc202240.chw Last save: 12/20/2010 10:44:14 PM

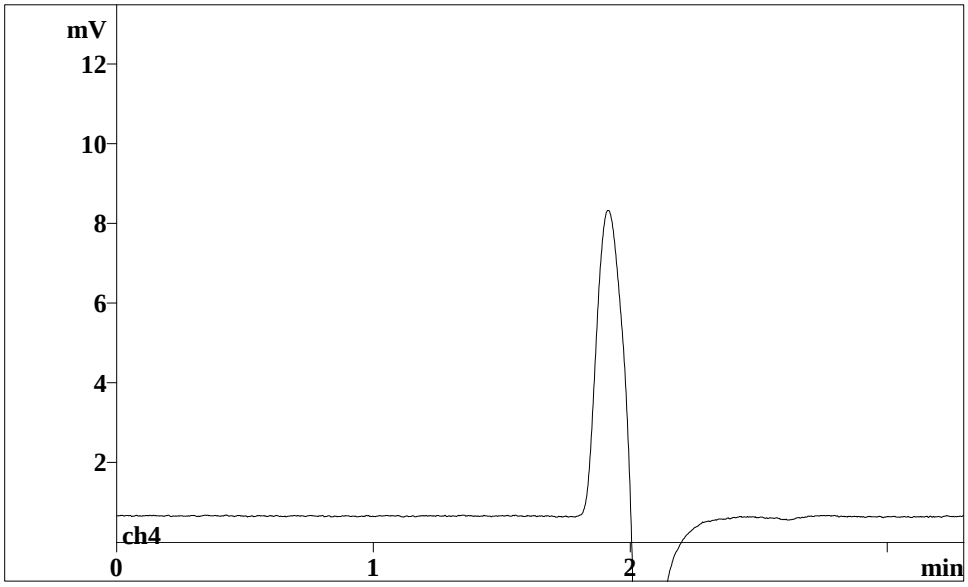
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32241

SAMPLE: 100ul loop
:
Vial number: 55
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No peaks

Report date: 12/21/2010 12:56:44 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-5-I@10
Analysis from: 12/20/2010 10:48:10 PM
File: uc202248.chw Last save: 12/20/2010 10:51:28 PM

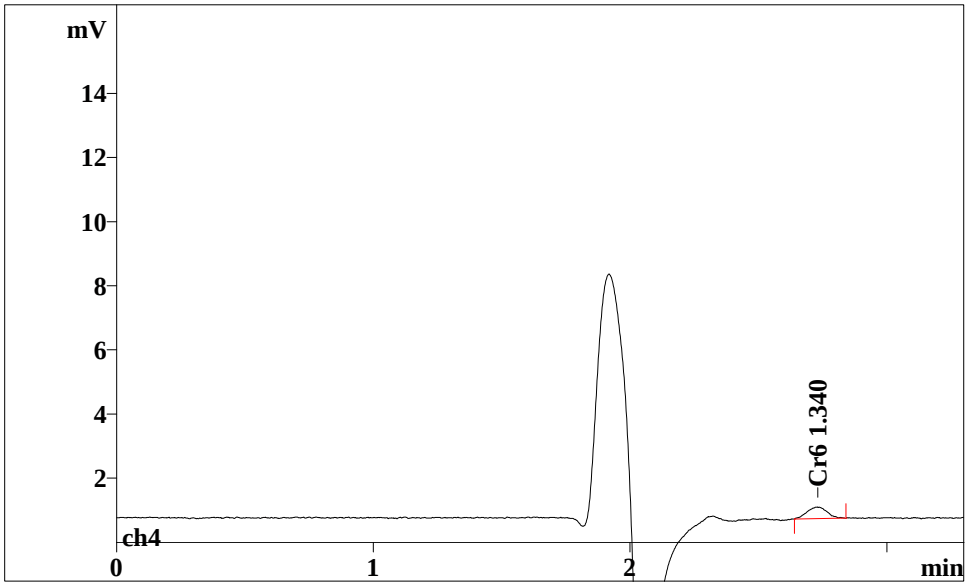
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32242

SAMPLE: 100ul loop
:
Vial number: 56
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.087;	0.36;	99.51;	1.940;	100.00;	0.00;	0.00;	58

Report date: 12/21/2010 12:56:48 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-5-I@10
Analysis from: 12/20/2010 10:55:25 PM
File: uc202255.chw Last save: 12/20/2010 10:58:43 PM

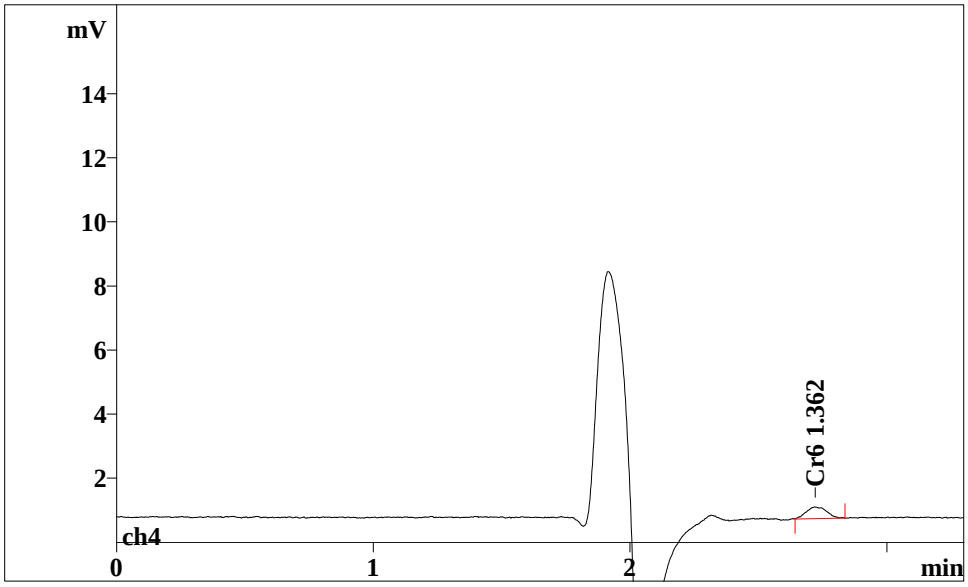
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32243

SAMPLE: 100ul loop
:
Vial number: 57
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.092;	0.36;	99.57;	2.017;	100.00;	0.00;	0.00;	54

Report date: 12/21/2010 12:56:53 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-7-I@10
Analysis from: 12/20/2010 11:02:41 PM
File: uc202302.chw Last save: 12/20/2010 11:05:59 PM

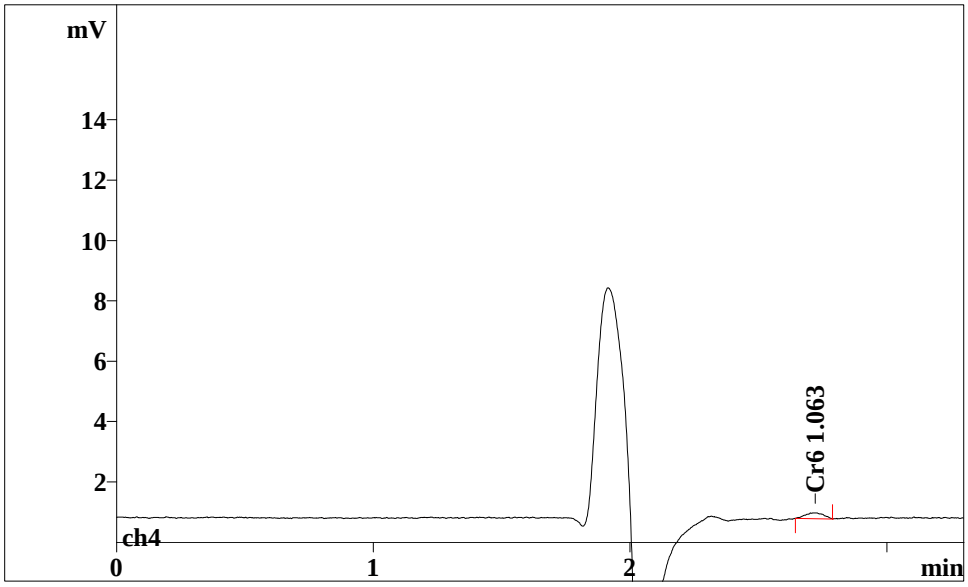
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32244

SAMPLE: 100ul loop
:
Vial number: 58
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.085;	0.19;	99.24;	0.958;	100.00;	0.00;	0.00;	66

Report date: 12/21/2010 12:56:58 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-7-I@10
Analysis from: 12/20/2010 11:09:57 PM
File: uc202309.chw Last save: 12/20/2010 11:13:16 PM

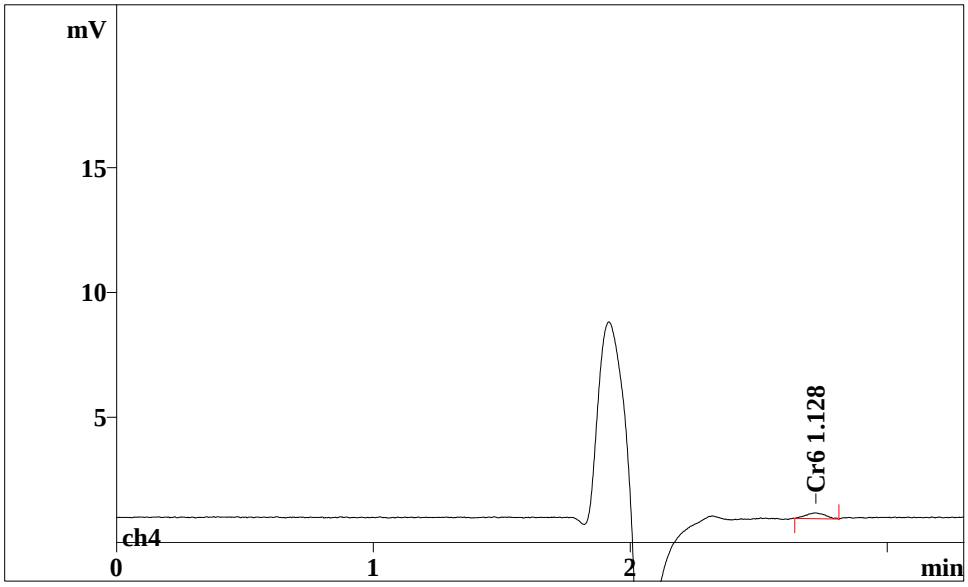
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32245

SAMPLE: 100ul loop
:
Vial number: 59
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.086;	0.23;	99.46;	1.190;	100.00;	0.00;	0.00;	61

Report date: 12/21/2010 12:57:02 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-9-L@10
Analysis from: 12/20/2010 11:17:15 PM
File: uc202317.chw Last save: 12/20/2010 11:20:33 PM

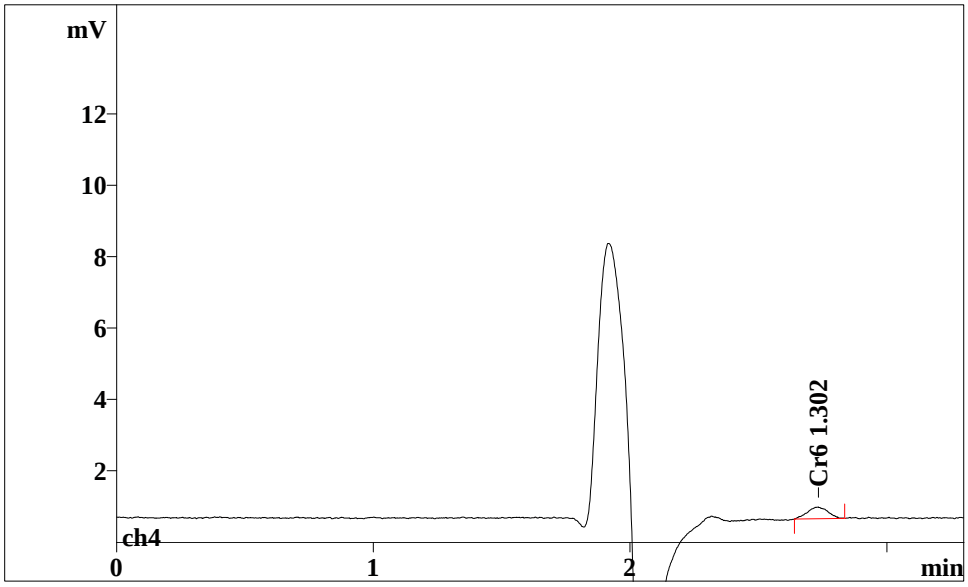
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32246

SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.088;	0.32;	98.46;	1.804;	100.00;	0.00;	0.00;	55

Report date: 12/21/2010 12:57:06 PM
Printed by: TestAmerica - Edison

Ident: 460-21101-E-9-L@10
Analysis from: 12/20/2010 11:24:33 PM
File: uc202324.chw Last save: 12/20/2010 11:27:51 PM

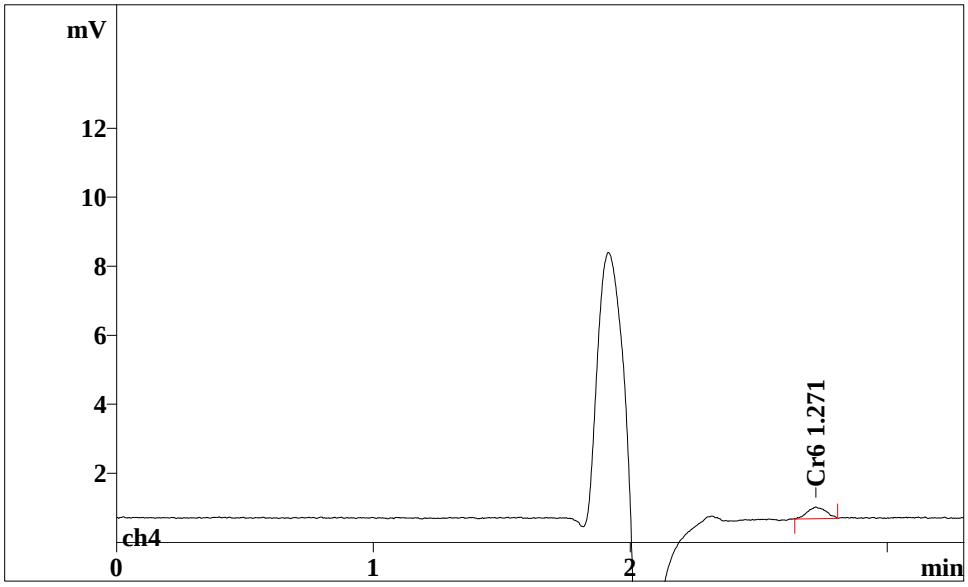
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32247

SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.085;	0.34;	99.36;	1.696;	100.00;	0.00;	0.00;	66

Report date: 12/21/2010 12:57:09 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-E@40 PDS
Analysis from: 12/20/2010 11:31:51 PM
File: uc202331.chw Last save: 12/20/2010 11:35:09 PM

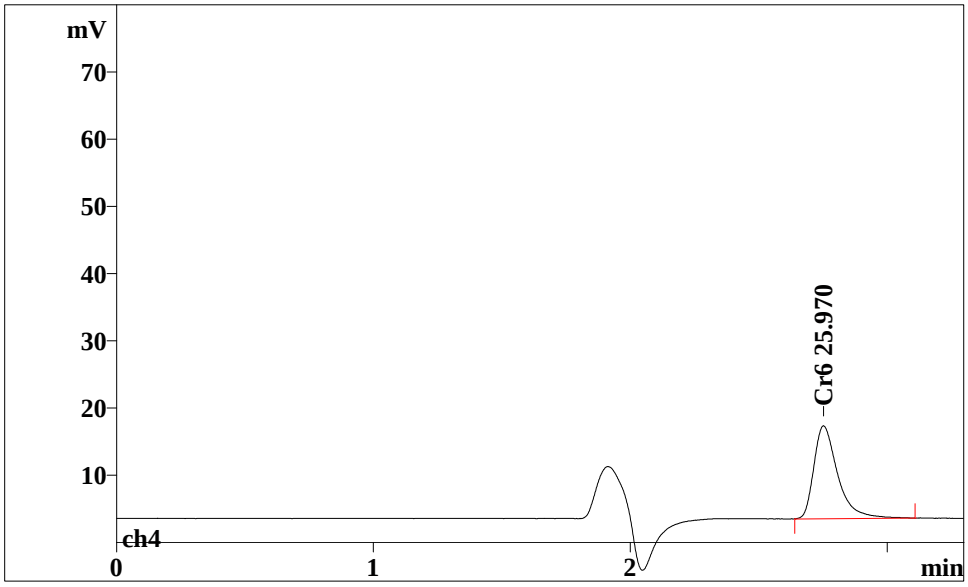
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32248

SAMPLE: 100ul loop
:
Vial number: 62
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.094;	13.83;	99.99;	89.095;	100.00;	0.00;	0.00;	41

Report date: 12/21/2010 12:57:13 PM
Printed by: TestAmerica - Edison

Ident: 360-31465-H-13-E@40 PDS
Analysis from: 12/20/2010 11:39:08 PM
File: uc202339.chw Last save: 12/20/2010 11:42:26 PM

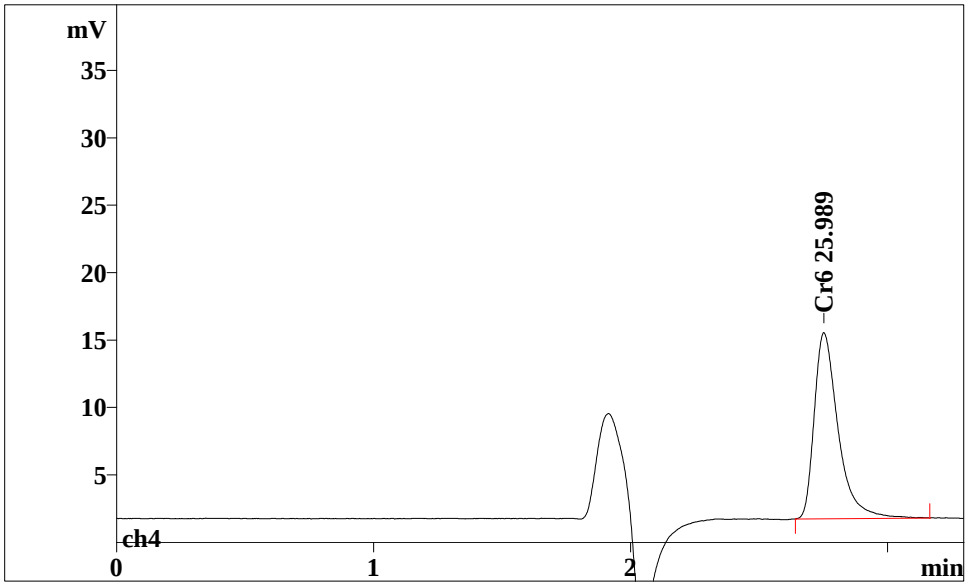
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32249

SAMPLE: 100ul loop
:
Vial number: 63
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.094;	13.80;	99.99;	89.164;	100.00;	0.00;	0.00;	41

Report date: 12/21/2010 12:57:16 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 12/20/2010 11:46:26 PM
File: uc202346.chw Last save: 12/20/2010 11:49:44 PM

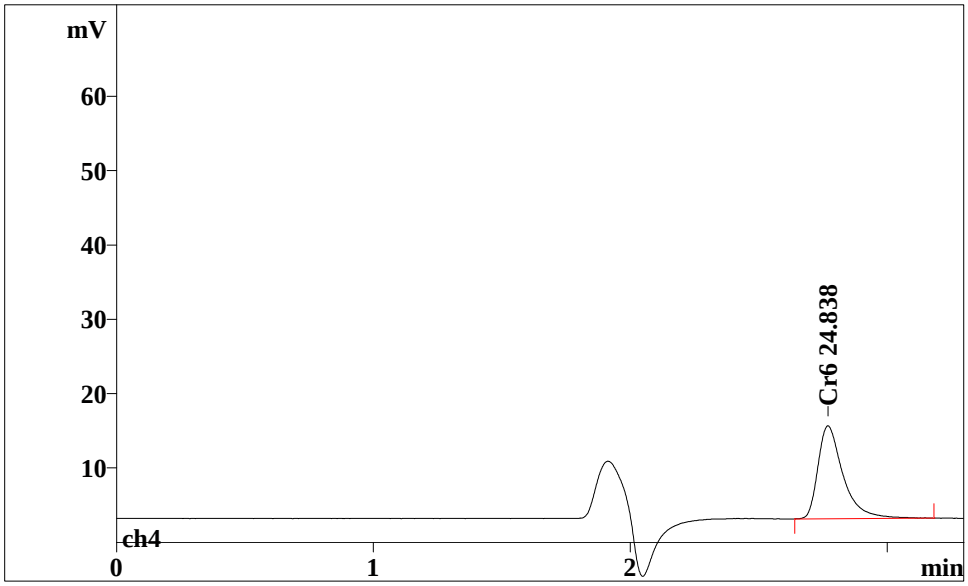
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32250

SAMPLE: 100ul loop
:
Vial number: 64
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.77;	0.098;	12.51;	99.96;	85.088;	100.00;	0.00;	0.00;	37

Report date: 12/21/2010 12:57:21 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 12/20/2010 11:53:43 PM
File: uc202353.chw Last save: 12/20/2010 11:57:02 PM

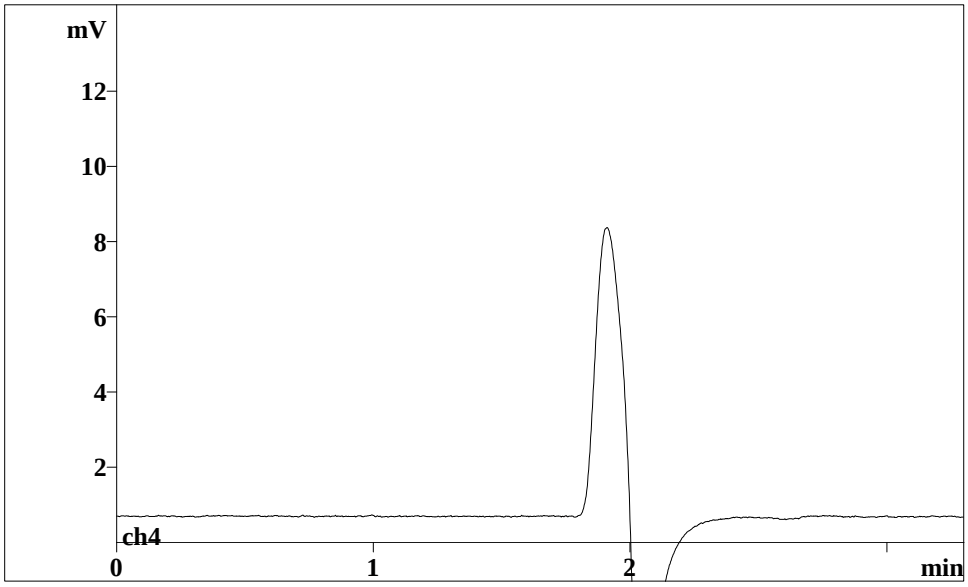
Method: stl_hexchrome_soil.mtw Last save: 12/20/2010 4:29:0
Run operator: TestAmerica - Edison
Analysis number: 32251

SAMPLE: 100ul loop
:
Vial number: 65
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

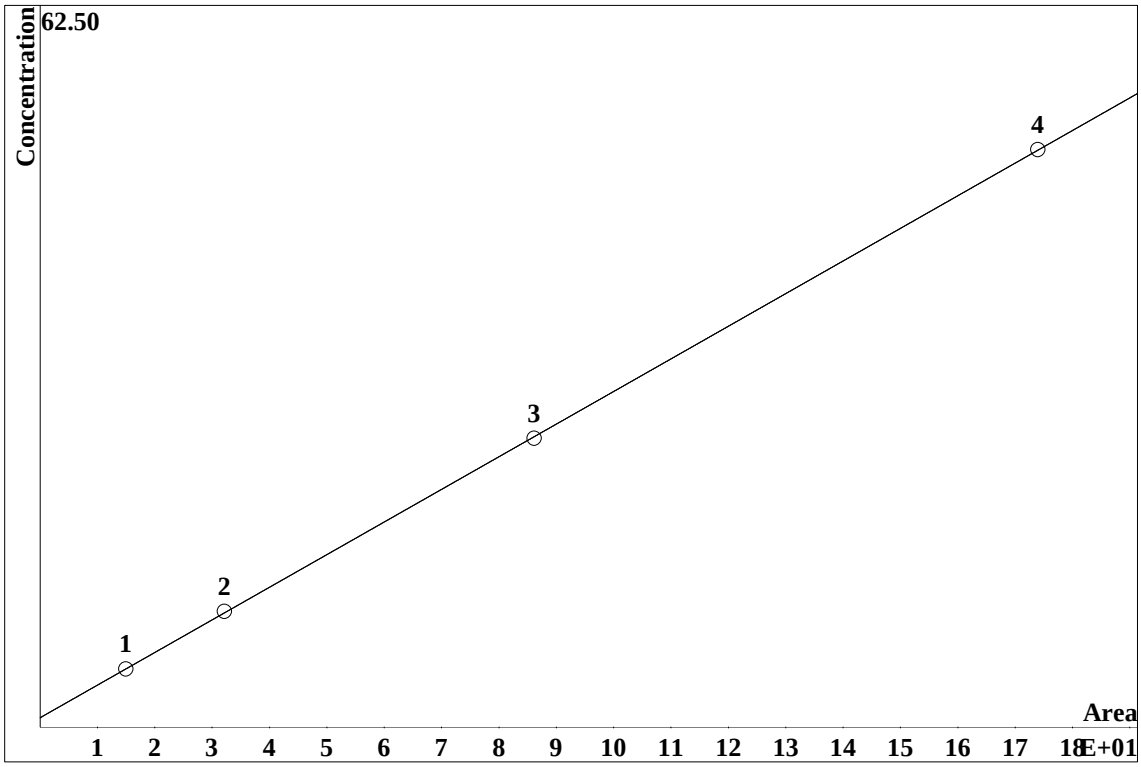
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No peaks

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.2826·A + 0.79167
RSD: 0.591 %
Correlation coefficient: 0.999986



K3 = 0 K2 = 0 K1 = 0.2826 K0 = 0.79167
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.336;	14.98;	5;	1;	2.766;	Yes;	uc201603.chw
2;	4.941;	32.18;	10;	1;	2.766;	Yes;	uc201610.chw
3;	12.65;	86.15;	25;	1;	2.766;	Yes;	uc201618.chw
4;	25.5;	174;	50;	1;	2.766;	Yes;	uc201625.chw

PROJECT pH / corrosivity

Continued From Page

Buffer	Batch	JBS	Singles	Matrix	Dil	pH1	pH2	Temp	time
6.99			MB			6.22	6.20	20.1	4:05
4.00			LCS			6.91	6.92	20.4	4:06
10.05	59560	31465	13H	Solid		7.66		20.6	4:07
			13dup			7.63		20.4	4:08
			1E			6.88		20.4	4:09
			5E			5.83		20.5	4:10
			7E			6.82		20.4	4:11
			6E			7.51		20.9	4:12
			12H			7.69		20.2	4:13
			11E			7.19		20.4	4:14
			CCV			7.02	7.01	22.0	4:15
		21304	1	Solid		4.81		20.6	4:16
			2			4.71		20.2	4:17
			CCV			6.99	7.00	21.9	4:18

Reagents in TALS

Continued on Page

Read and Understood By

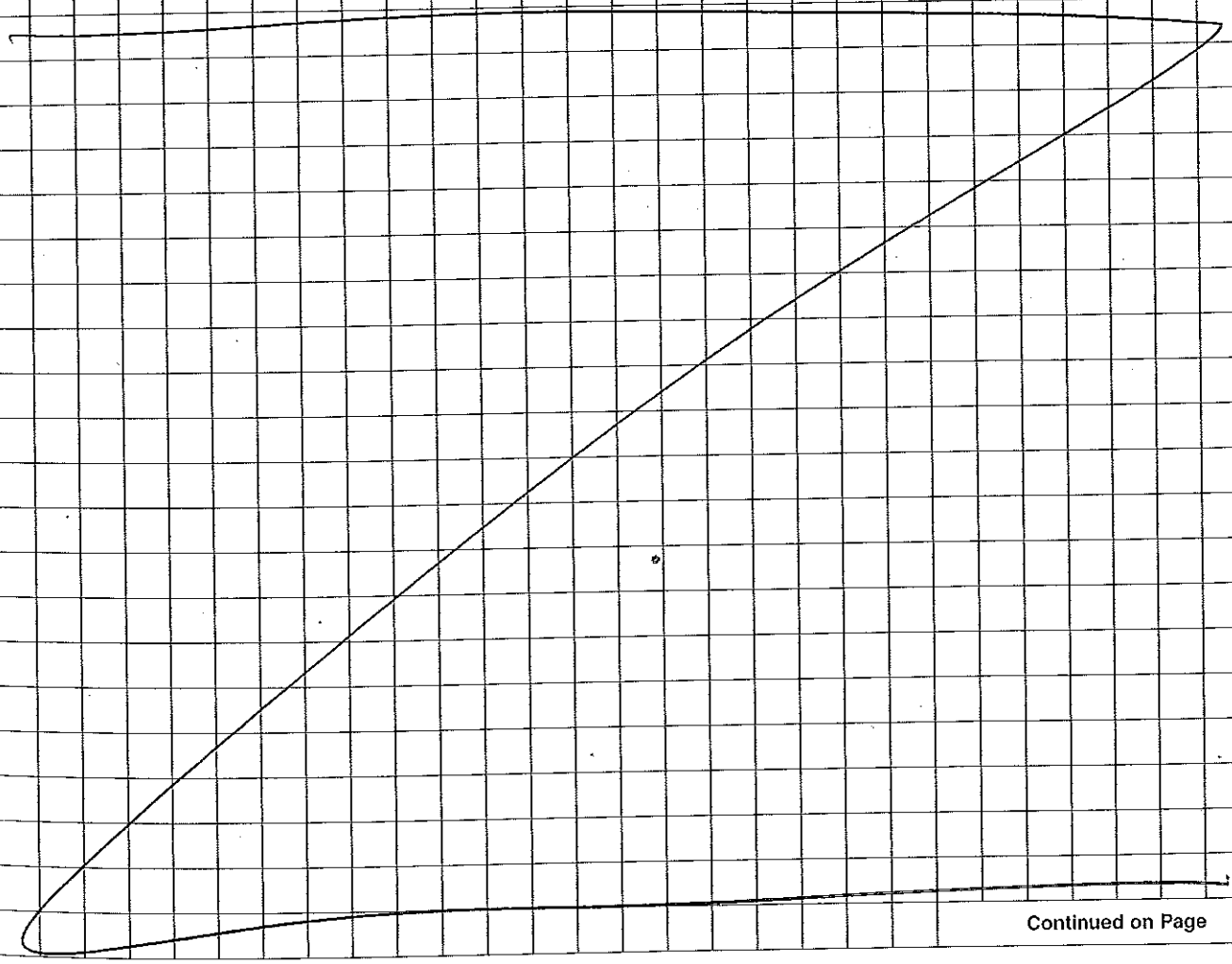
Signed — Date 12/21/10 — Signed — Date

PROJECT Redox/EH

Continued From Page

Batch	Job	Sample	Matrix	Dil	Readout #1	Readout #2	Result	T-typ °C	Time
		Light Solution			468	474	678	23.1	12:40
59591	31465	13	Solid		-103	-103	101	24.4	12:44
		13dup			-109	-107	97	24.4	12:46
		1			-13	-8	196	24.6	12:48
		5			150	156	360	24.8	12:50
		6			-51	-51	153	24.3	12:52
		7			72	78	282	24.2	12:54
		11			-56	-56	148	24.2	12:56
		12			-127	-122	82	24.0	12:57
		ccv(H.Sol'n)			466	473	677	23.4	12:58

Reagents in THCS



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Read and Understood By

Signed 12/21/10 Date

Signed Date

General Chemistry Worksheet

Batch Number: 360-67208
Method: Moisture
Analyst: Nasiatka, Ellen M

Date Open: Dec 15 2010 2:33PM
Batch End: Dec 16 2010 8:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-31550-A-1			T	1.00 g	15.51 g	14.04 g
360-31550-A-1~DU			T	1.00 g	12.78 g	11.76 g
360-31515-A-1			T	1.01 g	10.81 g	2.95 g
360-31515-A-2			T	0.99 g	7.91 g	3.33 g
360-31515-A-3			T	1.00 g	8.56 g	2.85 g
360-31515-A-4			T	1.02 g	11.05 g	4.19 g
360-31515-A-6			T	1.00 g	10.39 g	2.54 g
360-31515-A-5			T	1.00 g	9.60 g	2.28 g
360-31515-A-7			T	0.99 g	10.21 g	4.50 g
360-31515-A-8			T	1.04 g	11.84 g	7.06 g
360-31515-A-9			T	0.99 g	10.92 g	6.70 g
360-31515-A-10			T	1.01 g	12.01 g	8.13 g
360-31515-A-11			T	1.00 g	9.33 g	5.63 g
360-31515-A-12			T	1.04 g	13.42 g	9.59 g
360-31515-A-13			T	0.99 g	8.17 g	5.04 g
360-31515-A-14			T	0.99 g	9.48 g	6.17 g
360-31515-A-15			T	1.00 g	8.78 g	3.03 g
360-31521-A-1			T	1.00 g	13.12 g	12.58 g
360-31521-A-2			T	1.00 g	11.61 g	10.17 g
360-31521-A-3			T	1.03 g	12.04 g	10.63 g
360-31521-A-4			T	1.02 g	10.74 g	9.85 g
360-31521-A-4~DU			T	1.00 g	13.59 g	12.62 g
360-31521-A-5			T	1.05 g	10.99 g	10.08 g
360-31521-A-6			T	1.01 g	10.78 g	9.78 g
360-31521-A-7			T	1.02 g	11.76 g	9.96 g

General Chemistry Worksheet

Batch Number: 360-67208
Method: Moisture
Analyst: Nasiatka, Ellen M

Date Open: Dec 15 2010 2:33PM
Batch End: Dec 16 2010 8:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-31551-A-1			T	1.03 g	15.52 g	14.43 g
360-31551-A-2			T	1.00 g	12.84 g	11.22 g
360-31551-A-3			T	1.00 g	14.29 g	12.81 g
360-31465-A-1	OC-SD-ISCO-2-XXX	Moisture	T	1.01 g	13.08 g	7.30 g
360-31465-D-2	OC-SD-LB-1-XXX	Moisture	T	1.01 g	14.72 g	8.82 g
360-31465-D-3	OC-SD-LB-2-XXX	Moisture	T	1.00 g	15.21 g	8.22 g
360-31465-D-4	OC-SD-LB-3-XXX	Moisture	T	1.01 g	12.48 g	6.00 g
360-31465-G-5	OC-SD-SD-1-XXX	Moisture	T	0.98 g	13.49 g	8.13 g
360-31465-G-6	OC-SD-SD-SD3-XXX	Moisture	T	1.00 g	17.97 g	13.74 g
360-31465-G-7	OC-SD-SDSW-E-XXX	Moisture	T	1.00 g	14.78 g	11.68 g
360-31465-D-9	OC-SD-OPWD-1-XXX	Moisture	T	1.00 g	16.68 g	10.08 g
360-31465-A-10	OC-SD-OPWD-2-XXX	Moisture	T	1.01 g	16.74 g	6.89 g
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	Moisture	T	0.98 g	11.03 g	3.85 g
360-31465-A-12	OC-SD-SD-SD2-DUP	Moisture	T	0.96 g	13.98 g	8.39 g
360-31465-A-13	OC-SD-SD-SD2-XXX	Moisture	T	0.99 g	15.48 g	9.72 g
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	Moisture	T	0.99 g	15.48 g	9.72 g
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	Moisture	T	0.99 g	15.48 g	9.72 g
360-31478-A-1			T	1.04 g	12.42 g	12.00 g
360-31518-A-1			T	1.04 g	13.05 g	9.60 g
360-31518-D-2			T	0.99 g	12.58 g	2.88 g
360-31542-A-1			T	0.97 g	17.07 g	1.89 g
360-31481-A-1			T	1.00 g	10.00 g	10.00 g

General Chemistry Worksheet

Batch Number: 360-67325
Method: Distill/Ammonia
Analyst: Emerich, Rich W

Date Open: Dec 17 2010 10:20AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	W10K_NH3_STND_00001
MB~360-67325/1		Distill/Ammonia, L107-06-1B		1.0 g	50 mL	
LCS~360-67325/2		Distill/Ammonia, L107-06-1B		1.0 g	50 mL	500 uL
360-31465-A-13	OC-SD-SD-SD2-XXX	Distill/Ammonia, L107-06-1B	T	2.34 g	50 mL	
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	Distill/Ammonia, L107-06-1B	T	2.42 g	50 mL	500 uL
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	Distill/Ammonia, L107-06-1B	T	2.07 g	50 mL	500 uL
360-31310-D-19			T	1.21 g	50 mL	
360-31465-O-1	OC-SD-ISCO-2-XXX	Distill/Ammonia, L107-06-1B	T	3.11 g	50 mL	
360-31465-D-2	OC-SD-LB-1-XXX	Distill/Ammonia, L107-06-1B	T	2.47 g	50 mL	
360-31465-D-3	OC-SD-LB-2-XXX	Distill/Ammonia, L107-06-1B	T	3.02 g	50 mL	
360-31465-D-4	OC-SD-LB-3-XXX	Distill/Ammonia, L107-06-1B	T	1.83 g	50 mL	
360-31465-G-5	OC-SD-SD-1-XXX	Distill/Ammonia, L107-06-1B	T	2.33 g	50 mL	
360-31465-G-6	OC-SD-SD-SD3-XXX	Distill/Ammonia, L107-06-1B	T	2.69 g	50 mL	
360-31465-G-7	OC-SD-SDSW-E-XXX	Distill/Ammonia, L107-06-1B	T	2.35 g	50 mL	
360-31465-A-9	OC-SD-OPWD-1-XXX	Distill/Ammonia, L107-06-1B	T	2.67 g	50 mL	
360-31465-A-10	OC-SD-OPWD-2-XXX	Distill/Ammonia, L107-06-1B	T	3.11 g	50 mL	
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	Distill/Ammonia, L107-06-1B	T	4.21 g	50 mL	
360-31465-A-12	OC-SD-SD-SD2-DUP	Distill/Ammonia, L107-06-1B	T	2.25 g	50 mL	
360-31518-D-1			T	2.77 g	50 mL	
360-31518-D-2			T	6.27 g	50 mL	

NaOH Lot #: BAKER H06026
Buffer Reagent ID Number: W10JRGT019
Distillation Start Time: 1010
Distillation End Time: 1122
Distillation Temperature: 210 Degrees C
Sulfuric Acid Reagent ID Number: W10HRGT013
Distilliation Unit ID: EASYDIST

General Chemistry Worksheet

Batch Number: 360-67341
Method: L107-06-1B
Analyst: Emerich, Rich W

Date Open: Dec 17 2010 2:35PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W10ASTK002_00001	W10K_NH3_STND_00001
ICV~360-67341/1		L107-06-1B		10 mL	100 uL	
ICB~360-67341/2		L107-06-1B				
CCV~360-67341/3		L107-06-1B		10 mL		80 uL
CCB~360-67341/4		L107-06-1B				
MB~360-67325/1-A		L107-06-1B				
LCS~360-67325/2-A		L107-06-1B				
360-31465-A-13-J	OC-SD-SD-SD2-XXX	L107-06-1B	T			
360-31465-A-13-K~MS	OC-SD-SD-SD2-XXX	L107-06-1B	T			
360-31465-A-13-L~MSD	OC-SD-SD-SD2-XXX	L107-06-1B	T			
360-31310-D-19-D			T			
360-31465-O-1-A	OC-SD-ISCO-2-XXX	L107-06-1B	T			
360-31465-D-2-B	OC-SD-LB-1-XXX	L107-06-1B	T			
360-31465-D-3-B	OC-SD-LB-2-XXX	L107-06-1B	T			
360-31465-D-4-B	OC-SD-LB-3-XXX	L107-06-1B	T			
CCV~360-67341/15		L107-06-1B		10 mL		80 uL
CCB~360-67341/16		L107-06-1B				
360-31465-G-5-A	OC-SD-SD-1-XXX	L107-06-1B	T			
360-31465-G-6-A	OC-SD-SD-SD3-XXX	L107-06-1B	T			
360-31465-G-7-B	OC-SD-SDSW-E-XXX	L107-06-1B	T			
360-31465-A-9-C	OC-SD-OPWD-1-XXX	L107-06-1B	T			
360-31465-A-10-C	OC-SD-OPWD-2-XXX	L107-06-1B	T			
360-31465-A-11-C	OC-SD-OPWD-SD/SP/SW-S-XXX	L107-06-1B	T			
360-31465-A-12-D	OC-SD-SD-SD2-DUP	L107-06-1B	T			
360-31518-D-1-G			T			
360-31518-D-2-C			T			

General Chemistry Worksheet

Batch Number: 360-67341
Method: L107-06-1B
Analyst: Emerich, Rich W

Date Open: Dec 17 2010 2:35PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W10ASTK002_00001	W10K_NH3_STND_00001
CCV~360-67341/26		L107-06-1B		10 mL		80 uL
CCB~360-67341/27		L107-06-1B				

Hypochlorite Reagent ID Number: CHLOROX 115ML-TO-125ML-WATER
Sodium Nitroprusside Reagent ID: W10KRGT012
Sodium Phenolate Reagent ID Number: W10KRGT013
Buffer Reagent ID Number: W10GRGT009
Sodium Hydroxide Reagent ID Number: LABCHEM 9131-08

General Chemistry Worksheet

Batch Number: 360-67464
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Dec 16 2010 12:24PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	W03JICV001_00001	W03JSTD001_00001
ICV~360-67464/1		Lloyd Kahn		10 ug	
ICB~360-67464/2		Lloyd Kahn			
MB~360-67464/3		Lloyd Kahn			
LCS~360-67464/4		Lloyd Kahn			10 ug
360-31515-A-1			T		
360-31515-A-2			T		
360-31515-A-3			T		
360-31515-A-4			T		
360-31515-A-5			T		
360-31515-A-6			T		
360-31515-A-7			T		
360-31515-A-8			T		
360-31515-A-9			T		
360-31515-A-10			T		
CCV~360-67464/15		Lloyd Kahn			10 ug
CCB~360-67464/16		Lloyd Kahn			
360-31515-A-11			T		
360-31515-A-12			T		
360-31515-A-13			T		
360-31515-A-14			T		
360-31515-A-15			T		
360-31465-D-1	OC-SD-ISCO-2-XXX	Lloyd Kahn	T		
360-31465-D-2	OC-SD-LB-1-XXX	Lloyd Kahn	T		
360-31465-D-3	OC-SD-LB-2-XXX	Lloyd Kahn	T		
360-31465-D-4	OC-SD-LB-3-XXX	Lloyd Kahn	T		

General Chemistry Worksheet

Batch Number: 360-67464
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Dec 16 2010 12:24PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	W03JICV001_00001	W03JSTD001_00001
360-31465-D-4~DU	OC-SD-LB-3-XXX	Lloyd Kahn	T		
CCV~360-67464/27		Lloyd Kahn			10 ug
CCB~360-67464/28		Lloyd Kahn			

General Chemistry Worksheet

Batch Number: 360-67464
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Dec 16 2010 12:24PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
ICV~360-67464/1		Lloyd Kahn		
ICB~360-67464/2		Lloyd Kahn		
MB~360-67464/3		Lloyd Kahn		
LCS~360-67464/4		Lloyd Kahn		
360-31515-A-1			T	
360-31515-A-2			T	
360-31515-A-3			T	
360-31515-A-4			T	
360-31515-A-5			T	
360-31515-A-6			T	
360-31515-A-7			T	
360-31515-A-8			T	
360-31515-A-9			T	
360-31515-A-10			T	
CCV~360-67464/15		Lloyd Kahn		
CCB~360-67464/16		Lloyd Kahn		
360-31515-A-11			T	
360-31515-A-12			T	
360-31515-A-13			T	
360-31515-A-14			T	
360-31515-A-15			T	
360-31465-D-1	OC-SD-ISCO-2-XXX	Lloyd Kahn	T	
360-31465-D-2	OC-SD-LB-1-XXX	Lloyd Kahn	T	
360-31465-D-3	OC-SD-LB-2-XXX	Lloyd Kahn	T	
360-31465-D-4	OC-SD-LB-3-XXX	Lloyd Kahn	T	

General Chemistry Worksheet

Batch Number: 360-67464
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Dec 16 2010 12:24PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-31465-D-4~DU	OC-SD-LB-3-XXX	Lloyd Kahn	T	
CCV~360-67464/27		Lloyd Kahn		
CCB~360-67464/28		Lloyd Kahn		

Batch Comment: Assisting Analyst = AMS

General Chemistry Worksheet

Batch Number: 360-67468
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Dec 16 2010 12:24PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	W03JICV001_00001	W03JSTD001_00001
ICV~360-67468/1		Lloyd Kahn		10 ug	
ICB~360-67468/2		Lloyd Kahn			
CCV~360-67468/3		Lloyd Kahn			10 ug
CCB~360-67468/4		Lloyd Kahn			
MB~360-67468/5		Lloyd Kahn			
LCS~360-67468/6		Lloyd Kahn			10 ug
360-31465-D-5	OC-SD-SD-1-XXX	Lloyd Kahn	T		
360-31465-G-6	OC-SD-SD-SD3-XXX	Lloyd Kahn	T		
360-31465-G-7	OC-SD-SDSW-E-XXX	Lloyd Kahn	T		
360-31465-A-9	OC-SD-OPWD-1-XXX	Lloyd Kahn	T		
360-31465-A-10	OC-SD-OPWD-2-XXX	Lloyd Kahn	T		
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	Lloyd Kahn	T		
360-31465-A-12	OC-SD-SD-SD2-DUP	Lloyd Kahn	T		
360-31465-A-13	OC-SD-SD-SD2-XXX	Lloyd Kahn	T		
360-31465-A-13~DU	OC-SD-SD-SD2-XXX	Lloyd Kahn	T		
360-31518-D-1			T		
CCV~360-67468/17		Lloyd Kahn			10 ug
CCB~360-67468/18		Lloyd Kahn			
360-31518-D-2			T		
CCV~360-67468/20					10 ug
CCB~360-67468/21					

General Chemistry Worksheet

Batch Number: 360-67468
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Dec 16 2010 12:24PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
ICV~360-67468/1		Lloyd Kahn		
ICB~360-67468/2		Lloyd Kahn		
CCV~360-67468/3		Lloyd Kahn		
CCB~360-67468/4		Lloyd Kahn		
MB~360-67468/5		Lloyd Kahn		
LCS~360-67468/6		Lloyd Kahn		
360-31465-D-5	OC-SD-SD-1-XXX	Lloyd Kahn	T	
360-31465-G-6	OC-SD-SD-SD3-XXX	Lloyd Kahn	T	
360-31465-G-7	OC-SD-SDSW-E-XXX	Lloyd Kahn	T	
360-31465-A-9	OC-SD-OPWD-1-XXX	Lloyd Kahn	T	
360-31465-A-10	OC-SD-OPWD-2-XXX	Lloyd Kahn	T	
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	Lloyd Kahn	T	
360-31465-A-12	OC-SD-SD-SD2-DUP	Lloyd Kahn	T	
360-31465-A-13	OC-SD-SD-SD2-XXX	Lloyd Kahn	T	
360-31465-A-13~DU	OC-SD-SD-SD2-XXX	Lloyd Kahn	T	
360-31518-D-1			T	
CCV~360-67468/17		Lloyd Kahn		
CCB~360-67468/18		Lloyd Kahn		
360-31518-D-2			T	
CCV~360-67468/20				
CCB~360-67468/21				

Batch Comment: Assisting Analyst = AMS

Metals Worksheet

Batch Number: 360-67495
Method: DI Leach
Analyst: Stewart, Alyse M

Date Open: Dec 21 2010 4:20PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	W10ESTK001_00001	W10KLCS002_00001
MB~360-67495/1		DI Leach, 300.0		10 g	100 mL		
LCS~360-67495/2		DI Leach, 300.0		10 g	100 mL		100 mL
360-31465-O-1	OC-SD-ISCO-2-XXX	DI Leach, 300.0	S	10.25 g	100 mL		
360-31465-D-2	OC-SD-LB-1-XXX	DI Leach, 300.0	S	10.00 g	100 mL		
360-31465-D-3	OC-SD-LB-2-XXX	DI Leach, 300.0	S	10.29 g	100 mL		
360-31465-D-4	OC-SD-LB-3-XXX	DI Leach, 300.0	S	10.01 g	100 mL		
360-31465-G-5	OC-SD-SD-1-XXX	DI Leach, 300.0	S	10.17 g	100 mL		
360-31465-G-6	OC-SD-SD-SD3-XXX	DI Leach, 300.0	S	10.24 g	100 mL		
360-31465-G-7	OC-SD-SDSW-E-XXX	DI Leach, 300.0	S	10.24 g	100 mL		
360-31465-A-9	OC-SD-OPWD-1-XXX	DI Leach, 300.0	S	10.33 g	100 mL		
360-31465-A-10	OC-SD-OPWD-2-XXX	DI Leach, 300.0	S	10.27 g	100 mL		
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	DI Leach, 300.0	S	10.33 g	100 mL		
360-31465-A-12	OC-SD-SD-SD2-DUP	DI Leach, 300.0	S	10.14 g	100 mL		
360-31465-A-13	OC-SD-SD-SD2-XXX	DI Leach, 300.0	S	10.34 g	100 mL		
360-31465-A-13~MS	OC-SD-SD-SD2-XXX	DI Leach, 300.0	S	10.34 g	100 mL	1000 uL	
360-31465-A-13~MSD	OC-SD-SD-SD2-XXX	DI Leach, 300.0	S	10.34 g	100 mL	1000 uL	
360-31518-D-1			S	10.03 g	100 mL		
360-31518-E-2			S	15.20 g	100 mL		
360-31660-A-1			S	10.51 g	100 mL		

Balance ID: p602095003

General Chemistry Worksheet

Batch Number: 360-67626
Method: 300.0
Analyst: Emerich, Rich W

Date Open: Dec 22 2010 2:40PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W10IICV001_00001	W10KLCS002_00001
ICV~360-67626/1		300.0		10 mL	1 mL	
ICB~360-67626/2		300.0				
CCV~360-67626/3		300.0		10 mL		10 mL
CCB~360-67626/4		300.0				
MB~360-67495/1-A		300.0				
LCS~360-67495/2-A		300.0				
360-31465-O-1-B	OC-SD-ISCO-2-XXX	300.0	S			
360-31465-D-2-C	OC-SD-LB-1-XXX	300.0	S			
360-31465-D-3-C	OC-SD-LB-2-XXX	300.0	S			
360-31465-D-4-C	OC-SD-LB-3-XXX	300.0	S			
360-31465-G-5-B	OC-SD-SD-1-XXX	300.0	S			
360-31465-G-6-B	OC-SD-SD-SD3-XXX	300.0	S			
360-31465-G-7-C	OC-SD-SDSW-E-XXX	300.0	S			
360-31465-A-9-E	OC-SD-OPWD-1-XXX	300.0	S			
360-31465-A-10-E	OC-SD-OPWD-2-XXX	300.0	S			
360-31465-A-11-E	OC-SD-OPWD-SD/SP/SW-S-XXX	300.0	S			
CCV~360-67626/17		300.0		10 mL		10 mL
CCB~360-67626/18		300.0				
360-31465-A-12-F	OC-SD-SD-SD2-DUP	300.0	S			
360-31465-A-13-P	OC-SD-SD-SD2-XXX	300.0	S			
360-31465-A-13-Q~MS	OC-SD-SD-SD2-XXX	300.0	S			
360-31465-A-13-R~MSD	OC-SD-SD-SD2-XXX	300.0	S			
360-31518-D-1-H			S			
360-31518-E-2-A			S			
360-31660-A-1-A			S			

General Chemistry Worksheet

Batch Number: 360-67626
Method: 300.0
Analyst: Emerich, Rich W

Date Open: Dec 22 2010 2:40PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W10IICV001_00001	W10KLCS002_00001
CCV~360-67626/26		300.0		10 mL		10 mL
CCB~360-67626/27		300.0				

General Chemistry Worksheet

Batch Number: 360-67629
Method: 300.0
Analyst: Emerich, Rich W

Date Open: Dec 22 2010 2:40PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Calculation Message	W10IICV001_00001	W10KLCS002_00001
ICV~360-67629/1		300.0		10 mL	Not Calculated. Perform Calculation left blank	1 mL	
ICB~360-67629/2		300.0			Not Calculated. Perform Calculation left blank		
CCV~360-67629/3		300.0		10 mL	Not Calculated. Perform Calculation left blank		10 mL
CCB~360-67629/4		300.0			Not Calculated. Perform Calculation left blank		
MB~360-67495/1-A		300.0			Not Calculated. Perform Calculation left blank		
LCS~360-67495/2-A		300.0			Not Calculated. Perform Calculation left blank		
360-31465-O-1-B	OC-SD-ISCO-2-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-D-2-C	OC-SD-LB-1-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-D-3-C	OC-SD-LB-2-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-D-4-C	OC-SD-LB-3-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-G-5-B	OC-SD-SD-1-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-G-6-B	OC-SD-SD-SD3-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-G-7-C	OC-SD-SDSW-E-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-A-9-E	OC-SD-OPWD-1-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-A-10-E	OC-SD-OPWD-2-XXX	300.0	S		Not Calculated. Perform Calculation left blank		
360-31465-A-11-E	OC-SD-OPWD-SD/SP/SW-S-XXX	300.0	S		Not Calculated. Perform Calculation left blank		

General Chemistry Worksheet

Batch Number: 360-67629
Method: 300.0
Analyst: Emerich, Rich W

Date Open: Dec 22 2010 2:40PM
Batch End:

CCV~360-67629/17		300.0		10 mL	Not Calculated. Perform Calculation left blank	10 mL
CCB~360-67629/18		300.0			Not Calculated. Perform Calculation left blank	
360-31465-A-12-F	OC-SD-SD-SD2-DUP	300.0	S		Not Calculated. Perform Calculation left blank	
360-31465-A-13-P	OC-SD-SD-SD2-XXX	300.0	S		Not Calculated. Perform Calculation left blank	
360-31465-A-13-Q~MS	OC-SD-SD-SD2-XXX	300.0	S		Not Calculated. Perform Calculation left blank	
360-31465-A-13-R~MSD	OC-SD-SD-SD2-XXX	300.0	S		Not Calculated. Perform Calculation left blank	
360-31518-D-1-H			S		Not Calculated. Perform Calculation left blank	
360-31518-E-2-A			S		Not Calculated. Perform Calculation left blank	
360-31660-A-1-A			S		Not Calculated. Perform Calculation left blank	

General Chemistry Worksheet

Batch Number: 360-67629
Method: 300.0
Analyst: Emerich, Rich W

Date Open: Dec 22 2010 2:40PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Calculation Message	W10IICV001_00001	W10KLCS002_00001
CCV~360-67629/26		300.0		10 mL	Not Calculated. Perform Calculation left blank		10 mL
CCB~360-67629/27		300.0			Not Calculated. Perform Calculation left blank		

Metals Worksheet

Batch Number: 460-59082
Method: 3060A
Analyst: Kamenetskaya, Raisa

Date Open: Dec 17 2010 11:00AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00018	WThcrPbCr_00004	WThcrsLCS_00024
MB~460-59082/1		3060A, 7199		2.50 g	100 mL			
LCSS~460-59082/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-59082/3		3060A, 7199		2.50 g	100 mL		0.011 g	
360-31465-H-13	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL			
360-31465-H-13~DU	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL			
360-31465-H-13~MSS	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL	1.0 mL		
360-31465-H-13~MSI	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL		0.011 g	
360-31465-E-1	OC-SD-ISCO-2-XXX	3060A, 7199	T	2.49 g	100 mL			
360-31465-E-5	OC-SD-SD-1-XXX	3060A, 7199	T	2.56 g	100 mL			
360-31465-E-6	OC-SD-SD-SD3-XXX	3060A, 7199	T	2.57 g	100 mL			
360-31465-E-7	OC-SD-SDSW-E-XXX	3060A, 7199	T	2.50 g	100 mL			
360-31465-E-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3060A, 7199	T	2.48 g	100 mL			
360-31465-E-12	OC-SD-SD-SD2-DUP	3060A, 7199	T	2.55 g	100 mL			
460-20951-D-1			T	2.54 g	100 mL			
460-20951-B-2			T	2.51 g	100 mL			
460-21101-D-1			T	2.53 g	100 mL			
460-21101-D-2			T	2.50 g	100 mL			
460-21101-E-4			T	2.53 g	100 mL			
460-21101-E-5			T	2.49 g	100 mL			
460-21101-E-7			T	2.45 g	100 mL			
460-21101-E-9			T	2.50 g	100 mL			

Magnesium Chloride Vendor: Aesar
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C6228-10 exp 12/25/10
Alkaline Digestion Solution Reagent ID: C 6698-10 exp 1/16/11
Lead Chromate Lot #: BCBC2419
Lead Chromate Vendor ID: Aldrich
First Start time: 11:00
Starting Temperature: 91.2 Celsius
First End time: 12:00
Ending Temperature: 92.0 Celsius

Metals Worksheet

Batch Number: 460-59082
Method: 3060A
Analyst: Kamenetskaya, Raisa

Date Open: Dec 17 2010 11:00AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-59082/1		3060A, 7199		
LCSS~460-59082/2		3060A, 7199		
LCSI~460-59082/3		3060A, 7199		
360-31465-H-13	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-H-13~DU	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-H-13~MSS	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-H-13~MSI	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-E-1	OC-SD-ISCO-2-XXX	3060A, 7199	T	
360-31465-E-5	OC-SD-SD-1-XXX	3060A, 7199	T	
360-31465-E-6	OC-SD-SD-SD3-XXX	3060A, 7199	T	
360-31465-E-7	OC-SD-SDSW-E-XXX	3060A, 7199	T	
360-31465-E-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3060A, 7199	T	
360-31465-E-12	OC-SD-SD-SD2-DUP	3060A, 7199	T	
460-20951-D-1			T	
460-20951-B-2			T	
460-21101-D-1			T	
460-21101-D-2			T	
460-21101-E-4			T	
460-21101-E-5			T	
460-21101-E-7			T	
460-21101-E-9			T	

Batch Comment: After30 min 92.0 C

Metals Worksheet

Batch Number: 460-59331
Method: 3060A
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 11:00AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00018	WThcrPbCr_00004	WThcrsLCS_00024
MB~460-59331/1		3060A, 7199		2.50 g	100 mL			
LCSS~460-59331/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-59331/3		3060A, 7199		2.50 g	100 mL		0.011 g	
360-31465-H-13	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL			
360-31465-H-13~DU	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL			
360-31465-H-13~MSS	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL	1.0 mL		
360-31465-H-13~MSI	OC-SD-SD-SD2-XXX	3060A, 7199	T	2.50 g	100 mL		0.011 g	
360-31465-E-1	OC-SD-ISCO-2-XXX	3060A, 7199	T	2.55 g	100 mL			
360-31465-E-5	OC-SD-SD-1-XXX	3060A, 7199	T	2.56 g	100 mL			
360-31465-E-6	OC-SD-SD-SD3-XXX	3060A, 7199	T	2.43 g	100 mL			
360-31465-E-7	OC-SD-SDSW-E-XXX	3060A, 7199	T	2.47 g	100 mL			
360-31465-E-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3060A, 7199	T	2.44 g	100 mL			
360-31465-E-12	OC-SD-SD-SD2-DUP	3060A, 7199	T	2.49 g	100 mL			
460-20951-D-1			T	2.52 g	100 mL			
460-20951-B-2			T	2.51 g	100 mL			
460-21101-D-1			T	2.49 g	100 mL			
460-21101-D-2			T	2.45 g	100 mL			
460-21101-E-4			T	2.57 g	100 mL			
460-21101-E-5			T	2.48 g	100 mL			
460-21101-E-7			T	2.55 g	100 mL			
460-21101-E-9			T	2.5 g	100 mL			

Magnesium Chloride Vendor:	Aesar
Magnesium Chloride Lot Number:	K13R006
Potassium Phosphate Buffer Reagent ID:	C 6228-10 exp 12/26/10
Alkaline Digestion Solution Reagent ID:	C 6711-10 exp 1/20/11
Lead Chromate Lot #:	BCBC2419
Lead Chromate Vendor ID:	Aldrich
First Start time:	11:30 am
Starting Temperature:	91.0 Celsius
First End time:	12:30 pm
Ending Temperature:	92.0 Celsius

Metals Worksheet

Batch Number: 460-59331
Method: 3060A
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 11:00AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-59331/1		3060A, 7199		
LCSS~460-59331/2		3060A, 7199		
LCSI~460-59331/3		3060A, 7199		
360-31465-H-13	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-H-13~DU	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-H-13~MSS	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-H-13~MSI	OC-SD-SD-SD2-XXX	3060A, 7199	T	
360-31465-E-1	OC-SD-ISCO-2-XXX	3060A, 7199	T	
360-31465-E-5	OC-SD-SD-1-XXX	3060A, 7199	T	
360-31465-E-6	OC-SD-SD-SD3-XXX	3060A, 7199	T	
360-31465-E-7	OC-SD-SDSW-E-XXX	3060A, 7199	T	
360-31465-E-11	OC-SD-OPWD-SD/SP/SW-S-XXX	3060A, 7199	T	
360-31465-E-12	OC-SD-SD-SD2-DUP	3060A, 7199	T	
460-20951-D-1			T	
460-20951-B-2			T	
460-21101-D-1			T	
460-21101-D-2			T	
460-21101-E-4			T	
460-21101-E-5			T	
460-21101-E-7			T	
460-21101-E-9			T	

Batch Comment: After 30min 92.0 C

General Chemistry Worksheet

Batch Number: 460-59435
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00264	WThcrIM6_00261
0					9.40		
5					9.42		
10					9.38		
25					9.32		
50					9.35		
ICV~460-59435/6		7199		100 mL	9.44		2.5 mL
ICB~460-59435/7		7199			9.40		
MB~460-59082/1-A~^10					9.18		
MB~460-59082/1-A~^10		7199			9.18		
LCSS~460-59082/2-A~^25					9.36		
LCSS~460-59082/2-A~^25		7199			9.36		
LCSI~460-59082/3-A~^500		7199			9.49		
LCSI~460-59082/3-A~^500					9.49		
360-31465-H-13-A~^10	OC-SD-SD-SD2-XXX		T		9.39		
360-31465-H-13-A~^10	OC-SD-SD-SD2-XXX	7199	T		9.39		
360-31465-H-13-B~DU~^10	OC-SD-SD-SD2-XXX		T		9.27		
360-31465-H-13-B~DU~^10	OC-SD-SD-SD2-XXX	7199	T		9.27		
CCV~460-59435/18		7199		100 mL	9.44		2.5 mL
CCB~460-59435/19		7199			9.40		
360-31465-H-13-C~MSS~^40	OC-SD-SD-SD2-XXX		T		9.36		
360-31465-H-13-C~MSS~^40	OC-SD-SD-SD2-XXX		T		9.36		
360-31465-H-13-D~MSI~^500	OC-SD-SD-SD2-XXX		T		9.17		
360-31465-H-13-D~MSI~^500	OC-SD-SD-SD2-XXX		T		9.17		
360-31465-E-1-A~^10	OC-SD-ISCO-2-XXX	7199	T		9.48		
360-31465-E-1-A~^10	OC-SD-ISCO-2-XXX		T		9.48		

General Chemistry Worksheet

Batch Number: 460-59435
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00264	WThcrIM6_00261
360-31465-E-5-D~^10	OC-SD-SD-1-XXX	7199	T		9.46		
360-31465-E-5-D~^10	OC-SD-SD-1-XXX		T		9.46		
360-31465-E-6-D~^10	OC-SD-SD-SD3-XXX	7199	T		9.40		
360-31465-E-6-D~^10	OC-SD-SD-SD3-XXX		T		9.40		
CCV~460-59435/30		7199		100 mL	9.44		2.5 mL
CCB~460-59435/31		7199			9.40		
360-31465-E-7-A~^10	OC-SD-SDSW-E-XXX	7199	T		9.45		
360-31465-E-7-A~^10	OC-SD-SDSW-E-XXX		T		9.45		
360-31465-E-11-A~^10	OC-SD-OPWD-SD/SP/SW-S-XXX		T		9.48		
360-31465-E-11-A~^10	OC-SD-OPWD-SD/SP/SW-S-XXX	7199	T		9.48		
360-31465-E-12-A~^10	OC-SD-SD-SD2-DUP	7199	T		9.36		
360-31465-E-12-A~^10	OC-SD-SD-SD2-DUP		T		9.36		
460-20951-D-1-A~^10			T		9.31		
460-20951-D-1-A~^10			T		9.31		
460-20951-B-2-A~^10			T		9.20		
460-20951-B-2-A~^10			T		9.20		
CCV~460-59435/42		7199		100 mL	9.44		2.5 mL
CCB~460-59435/43		7199			9.40		
460-21101-D-1-F~^10			T		9.38		
460-21101-D-1-F~^10			T		9.38		
460-21101-D-2-H~^10			T		9.48		
460-21101-D-2-H~^10			T		9.48		
460-21101-E-4-F~^10			T		9.27		
460-21101-E-4-F~^10			T		9.27		
460-21101-E-5-F~^10			T		9.33		

General Chemistry Worksheet

Batch Number: 460-59435
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00264	WThcrIM6_00261
460-21101-E-5-F~^10			T		9.33		
460-21101-E-7-F~^10			T		9.48		
460-21101-E-7-F~^10			T		9.48		
CCV~460-59435/54		7199		100 mL	9.44		2.5 mL
CCB~460-59435/55		7199			9.40		
460-21101-E-9-G~^10			T		9.12		
460-21101-E-9-G~^10			T		9.12		
360-31465-H-13-A~PDS~^40	OC-SD-SD-SD2-XXX	7199	T	50 mL	9.39	1.25 mL	
360-31465-H-13-A~PDS~^40	OC-SD-SD-SD2-XXX		T	50 mL	9.39	1.25 mL	
CCV~460-59435/60		7199		100 mL	9.44		2.5 mL
CCB~460-59435/61		7199			9.40		

Filter Lot #: Nalgene Lot #1031946
Buffer Lot #: 0877-10 exp: 2/3/11
pH Meter ID: D
Eluent 1 Lot: 0979-10 exp: 12/25/10
Post Column Reagent Lot: 0980-10 exp: 12/23/10

General Chemistry Worksheet

Batch Number: 460-59435
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Comments Analysis comment
0				Calibration curve, ICV/ CCV and ICB/ CCB prepared with dilution water (pH=9.40) 0978-10 exp: 2/3/11
5				
10				
25				
50				
ICV~460-59435/6		7199		All samples run in duplicate as per the method. Higher result reported as primary, lower result rejected.
ICB~460-59435/7		7199		Initial pH= pH (in SU between and 9.5) after adjustment with 1:1 HNO3
MB~460-59082/1-A~^10				
MB~460-59082/1-A~^10		7199		
LCSS~460-59082/2-A~^25				
LCSS~460-59082/2-A~^25		7199		
LCSI~460-59082/3-A~^500		7199		
LCSI~460-59082/3-A~^500				Digestate description is below:
360-31465-H-13-A~^10	OC-SD-SD-SD2-XXX		T	light brown
360-31465-H-13-A~^10	OC-SD-SD-SD2-XXX	7199	T	
360-31465-H-13-B~DU~^10	OC-SD-SD-SD2-XXX		T	light brown
360-31465-H-13-B~DU~^10	OC-SD-SD-SD2-XXX	7199	T	
CCV~460-59435/18		7199		
CCB~460-59435/19		7199		
360-31465-H-13-C~MSS~^40	OC-SD-SD-SD2-XXX		T	Overdiluted, see rerun at smaller dilution
360-31465-H-13-C~MSS~^40	OC-SD-SD-SD2-XXX		T	Overdiluted, see rerun at smaller dilution
360-31465-H-13-D~MSI~^500	OC-SD-SD-SD2-XXX		T	Overdiluted, see rerun at smaller dilution

General Chemistry Worksheet

Batch Number: 460-59435

Method: 7199

Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM

Batch End:

360-31465-H-13-D~MSI~^500	OC-SD-SD-SD2-XXX		T	Overdiluted, see rerun at smaller dilution
360-31465-E-1-A~^10	OC-SD-ISCO-2-XXX	7199	T	brown
360-31465-E-1-A~^10	OC-SD-ISCO-2-XXX		T	

General Chemistry Worksheet

Batch Number: 460-59435
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-31465-E-5-D~^10	OC-SD-SD-1-XXX	7199	T	brown
360-31465-E-5-D~^10	OC-SD-SD-1-XXX		T	
360-31465-E-6-D~^10	OC-SD-SD-SD3-XXX	7199	T	light brown
360-31465-E-6-D~^10	OC-SD-SD-SD3-XXX		T	
CCV~460-59435/30		7199		
CCB~460-59435/31		7199		
360-31465-E-7-A~^10	OC-SD-SDSW-E-XXX	7199	T	light brown
360-31465-E-7-A~^10	OC-SD-SDSW-E-XXX		T	
360-31465-E-11-A~^10	OC-SD-OPWD-SD/SP/SW-S-XXX		T	brown
360-31465-E-11-A~^10	OC-SD-OPWD-SD/SP/SW-S-XXX	7199	T	
360-31465-E-12-A~^10	OC-SD-SD-SD2-DUP	7199	T	very dark brown
360-31465-E-12-A~^10	OC-SD-SD-SD2-DUP		T	
460-20951-D-1-A~^10			T	colorless
460-20951-D-1-A~^10			T	
460-20951-B-2-A~^10			T	colorless
460-20951-B-2-A~^10			T	
CCV~460-59435/42		7199		
CCB~460-59435/43		7199		
460-21101-D-1-F~^10			T	colorless
460-21101-D-1-F~^10			T	
460-21101-D-2-H~^10			T	colorless
460-21101-D-2-H~^10			T	
460-21101-E-4-F~^10			T	colorless
460-21101-E-4-F~^10			T	
460-21101-E-5-F~^10			T	colorless

General Chemistry Worksheet

Batch Number: 460-59435
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 18 2010 11:04AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-21101-E-5-F~^10			T	
460-21101-E-7-F~^10			T	very light brown
460-21101-E-7-F~^10			T	
CCV~460-59435/54		7199		
CCB~460-59435/55		7199		
460-21101-E-9-G~^10			T	light brown
460-21101-E-9-G~^10			T	
360-31465-H-13-A~PDS~^40	OC-SD-SD-SD2-XXX	7199	T	
360-31465-H-13-A~PDS~^40	OC-SD-SD-SD2-XXX		T	
CCV~460-59435/60		7199		
CCB~460-59435/61		7199		

Batch Comment:

Curve: IC (1623-1628) 10 exp: 12/18/10

General Chemistry Worksheet

Batch Number: 460-59439
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00265	WThcrIM6_00262
0					9.43		
5					9.41		
10					9.35		
25					9.36		
50					9.40		
ICV~460-59439/6		7199		100 mL	9.39		2.5 mL
ICB~460-59439/7		7199			9.43		
360-31465-H-13-C~MSS~^10	OC-SD-SD-SD2-XXX		T		9.36		
360-31465-H-13-C~MSS~^10	OC-SD-SD-SD2-XXX	7199	T		9.36		
360-31465-H-13-D~MSI~^50	OC-SD-SD-SD2-XXX		T		9.17		
360-31465-H-13-D~MSI~^50	OC-SD-SD-SD2-XXX	7199	T		9.17		
MB~460-59331/1-A~^10					9.48		
MB~460-59331/1-A~^10		7199			9.48		
LCSS~460-59331/2-A~^25					9.45		
LCSS~460-59331/2-A~^25		7199			9.45		
LCSI~460-59331/3-A~^500		7199			9.43		
LCSI~460-59331/3-A~^500					9.43		
CCV~460-59439/18		7199		100 mL	9.39		2.5 mL
CCB~460-59439/19		7199			9.43		
360-31465-H-13-E~^10	OC-SD-SD-SD2-XXX		T		9.42		
360-31465-H-13-E~^10	OC-SD-SD-SD2-XXX	7199	T		9.42		
360-31465-H-13-F~DU~^10	OC-SD-SD-SD2-XXX		T		9.12		
360-31465-H-13-F~DU~^10	OC-SD-SD-SD2-XXX	7199	T		9.12		
360-31465-H-13-G~MSS~^10	OC-SD-SD-SD2-XXX		T		9.38		
360-31465-H-13-G~MSS~^10	OC-SD-SD-SD2-XXX	7199	T		9.38		

General Chemistry Worksheet

Batch Number: 460-59439
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00265	WThcrIM6_00262
360-31465-H-13-H~MSI~^50	OC-SD-SD-SD2-XXX	7199	T		9.44		
360-31465-H-13-H~MSI~^50	OC-SD-SD-SD2-XXX		T		9.44		
360-31465-E-1-B~^10	OC-SD-ISCO-2-XXX	7199	T		9.42		
360-31465-E-1-B~^10	OC-SD-ISCO-2-XXX		T		9.42		
CCV~460-59439/30		7199		100 mL	9.39		2.5 mL
CCB~460-59439/31		7199			9.43		
360-31465-E-5-E~^10	OC-SD-SD-1-XXX		T		9.35		
360-31465-E-5-E~^10	OC-SD-SD-1-XXX	7199	T		9.35		
360-31465-E-6-E~^10	OC-SD-SD-SD3-XXX		T		9.30		
360-31465-E-6-E~^10	OC-SD-SD-SD3-XXX	7199	T		9.30		
360-31465-E-7-B~^10	OC-SD-SDSW-E-XXX		T		9.29		
360-31465-E-7-B~^10	OC-SD-SDSW-E-XXX	7199	T		9.29		
360-31465-E-11-B~^10	OC-SD-OPWD-SD/SP/SW-S-XXX	7199	T		9.30		
360-31465-E-11-B~^10	OC-SD-OPWD-SD/SP/SW-S-XXX		T		9.30		
360-31465-E-12-C~^10	OC-SD-SD-SD2-DUP	7199	T		9.42		
360-31465-E-12-C~^10	OC-SD-SD-SD2-DUP		T		9.42		
CCV~460-59439/42		7199		100 mL	9.39		2.5 mL
CCB~460-59439/43		7199			9.43		
460-20951-D-1-C~^10			T		9.34		
460-20951-D-1-C~^10			T		9.34		
460-20951-B-2-C~^10			T		9.25		
460-20951-B-2-C~^10			T		9.25		
460-21101-D-1-I~^10			T		9.41		
460-21101-D-1-I~^10			T		9.41		
460-21101-D-2-K~^10			T		9.40		

General Chemistry Worksheet

Batch Number: 460-59439
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00265	WThcrIM6_00262
460-21101-D-2-K~^10			T		9.40		
460-21101-E-4-I~^10			T		9.49		
460-21101-E-4-I~^10			T		9.49		
CCV~460-59439/54		7199		100 mL	9.39		2.5 mL
CCB~460-59439/55		7199			9.43		
460-21101-E-5-I~^10			T		9.37		
460-21101-E-5-I~^10			T		9.37		
460-21101-E-7-I~^10			T		9.33		
460-21101-E-7-I~^10			T		9.33		
460-21101-E-9-L~^10			T		9.28		
460-21101-E-9-L~^10			T		9.28		
360-31465-H-13-E~PDS~^40	OC-SD-SD-SD2-XXX		T	50 mL	9.42	1.25 mL	
360-31465-H-13-E~PDS~^40	OC-SD-SD-SD2-XXX	7199	T	50 mL	9.42	1.25 mL	
CCV~460-59439/64		7199		100 mL	9.39		2.5 mL
CCB~460-59439/65		7199			9.43		

Filter Lot #: Nalgene Lot # 1031946
Buffer Lot #: 0877-10 exp: 2/3/11
pH Meter ID: D
Eluent 1 Lot: 0979-10 exp: 12/25/10
Post Column Reagent Lot: 0980-10 exp: 12/23/10

General Chemistry Worksheet

Batch Number: 460-59439
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Comments Analysis comment
0				Calibration curve, ICV/ CCV and ICB/ CCB prepared with dilution water (pH=9.43) 0981-10 exp: 2/3/11
5				
10				
25				
50				
ICV~460-59439/6		7199		All samples run in duplicate as per the method. Higher result reported as primary, lower result rejected.
ICB~460-59439/7		7199		Initial pH = pH (in SU between 9 and 9.5) after adjustment with 1:1 HNO3
360-31465-H-13-C~MSS~^10	OC-SD-SD-SD2-XXX		T	light brown
360-31465-H-13-C~MSS~^10	OC-SD-SD-SD2-XXX	7199	T	
360-31465-H-13-D~MSI~^50	OC-SD-SD-SD2-XXX		T	light brown
360-31465-H-13-D~MSI~^50	OC-SD-SD-SD2-XXX	7199	T	
MB~460-59331/1-A~^10				
MB~460-59331/1-A~^10		7199		
LCSS~460-59331/2-A~^25				
LCSS~460-59331/2-A~^25		7199		
LCSI~460-59331/3-A~^500		7199		
LCSI~460-59331/3-A~^500				Digestate description is below:
CCV~460-59439/18		7199		
CCB~460-59439/19		7199		
360-31465-H-13-E~^10	OC-SD-SD-SD2-XXX		T	light brown
360-31465-H-13-E~^10	OC-SD-SD-SD2-XXX	7199	T	
360-31465-H-13-F~DU~^10	OC-SD-SD-SD2-XXX		T	light brown

General Chemistry Worksheet

Batch Number: 460-59439

Method: 7199

Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM

Batch End:

360-31465-H-13-F~DU~^10	OC-SD-SD-SD2-XXX	7199	T	
360-31465-H-13-G~MSS~^10	OC-SD-SD-SD2-XXX		T	light brown
360-31465-H-13-G~MSS~^10	OC-SD-SD-SD2-XXX	7199	T	

General Chemistry Worksheet

Batch Number: 460-59439
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-31465-H-13-H~MSI~^50	OC-SD-SD-SD2-XXX	7199	T	light brown
360-31465-H-13-H~MSI~^50	OC-SD-SD-SD2-XXX		T	
360-31465-E-1-B~^10	OC-SD-ISCO-2-XXX	7199	T	brown
360-31465-E-1-B~^10	OC-SD-ISCO-2-XXX		T	
CCV~460-59439/30		7199		
CCB~460-59439/31		7199		
360-31465-E-5-E~^10	OC-SD-SD-1-XXX		T	light brown
360-31465-E-5-E~^10	OC-SD-SD-1-XXX	7199	T	
360-31465-E-6-E~^10	OC-SD-SD-SD3-XXX		T	brown
360-31465-E-6-E~^10	OC-SD-SD-SD3-XXX	7199	T	
360-31465-E-7-B~^10	OC-SD-SDSW-E-XXX		T	light brown
360-31465-E-7-B~^10	OC-SD-SDSW-E-XXX	7199	T	
360-31465-E-11-B~^10	OC-SD-OPWD-SD/SP/SW-S-XXX	7199	T	brown
360-31465-E-11-B~^10	OC-SD-OPWD-SD/SP/SW-S-XXX		T	
360-31465-E-12-C~^10	OC-SD-SD-SD2-DUP	7199	T	very dark brown
360-31465-E-12-C~^10	OC-SD-SD-SD2-DUP		T	
CCV~460-59439/42		7199		
CCB~460-59439/43		7199		
460-20951-D-1-C~^10			T	colorless
460-20951-D-1-C~^10			T	
460-20951-B-2-C~^10			T	colorless
460-20951-B-2-C~^10			T	
460-21101-D-1-I~^10			T	colorless
460-21101-D-1-I~^10			T	
460-21101-D-2-K~^10			T	colorless

General Chemistry Worksheet

Batch Number: 460-59439
Method: 7199
Analyst: Kamenetskaya, Raisa

Date Open: Dec 20 2010 3:56PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-21101-D-2-K~^10			T	
460-21101-E-4-I~^10			T	colorless
460-21101-E-4-I~^10			T	
CCV~460-59439/54		7199		
CCB~460-59439/55		7199		
460-21101-E-5-I~^10			T	colorless
460-21101-E-5-I~^10			T	
460-21101-E-7-I~^10			T	very light brown
460-21101-E-7-I~^10			T	
460-21101-E-9-L~^10			T	light brown
460-21101-E-9-L~^10			T	
360-31465-H-13-E~PDS~^40	OC-SD-SD-SD2-XXX		T	
360-31465-H-13-E~PDS~^40	OC-SD-SD-SD2-XXX	7199	T	
CCV~460-59439/64		7199		
CCB~460-59439/65		7199		

Batch Comment:

Curve: IC (1629-1634) 10 exp: 12/20/10

General Chemistry Worksheet

Batch Number: 460-59560
Method: 9045C
Analyst: Cabanganan, Maria

Date Open: Dec 22 2010 8:46AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Temperature of the sample	WTpHCCV_00007	WTpHLCS_00011
MB~460-59560/1		9045C		20 mL	20 mL	20.1 Celsius		
LCS~460-59560/2		9045C		20 mL	20 mL	20.4 Celsius		20 mL
360-31465-H-13	OC-SD-SD-SD2-XXX	9045C	T	20 g	20 mL	20.6 Celsius		
360-31465-H-13~DU	OC-SD-SD-SD2-XXX	9045C	T	20 g	20 mL	20.4 Celsius		
360-31465-E-1	OC-SD-ISCO-2-XXX	9045C	T	20 g	20 mL	20.4 Celsius		
360-31465-E-5	OC-SD-SD-1-XXX	9045C	T	20 g	20 mL	20.5 Celsius		
360-31465-E-7	OC-SD-SDSW-E-XXX	9045C	T	20 g	20 mL	20.4 Celsius		
360-31465-E-6	OC-SD-SD-SD3-XXX	9045C	T	20 g	20 mL	20.9 Celsius		
360-31465-H-12	OC-SD-SD-SD2-DUP	9045C	T	20 g	20 mL	20.2 Celsius		
360-31465-E-11	OC-SD-OPWD-SD/SP/SW-S-XXX	9045C	T	20 g	20 mL	20.4 Celsius		
CCV~460-59560/11		9045C		20 mL	20 mL	22.0 Celsius	20 mL	
460-21304-A-1			T	20 g	20 mL	20.6 Celsius		
460-21304-A-2			T	20 g	20 mL	20.2 Celsius		
CCV~460-59560/14				20 mL	20 mL	21.9 Celsius	20 mL	

pH Buffer 1 ID: 7.00 Fisher: 100158 exp. 01/2012
pH Buffer 2 ID: 4.00 Thermo: 910104 exp. 04/2012
pH Buffer 3 ID: 10.00 Fisher: 104201 exp. 07/2012

General Chemistry Worksheet

Batch Number: 460-59591
Method: SM 2580B
Analyst: Cabanganan, Maria

Date Open: Dec 22 2010 12:40PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	WTredoxLCS_00005
LCS~460-59591/1		SM 2580B		100 mL
360-31465-A-13-S	OC-SD-SD-SD2-XXX	SM 2580B	S	
360-31465-A-13-T~DU	OC-SD-SD-SD2-XXX	SM 2580B	S	
360-31465-A-1-E	OC-SD-ISCO-2-XXX	SM 2580B	S	
360-31465-A-5-F	OC-SD-SD-1-XXX	SM 2580B	S	
360-31465-A-6-E	OC-SD-SD-SD3-XXX	SM 2580B	S	
360-31465-A-7-E	OC-SD-SDSW-E-XXX	SM 2580B	S	
360-31465-A-11-F	OC-SD-OPWD-SD/SP/SW-S-XXX	SM 2580B	S	
360-31465-A-12-G	OC-SD-SD-SD2-DUP	SM 2580B	S	
CCV~460-59591/10		SM 2580B		100 mL

Fe2/Fe3 Standard Lot #:
Quinhydrone Reference Solution Lot #:

Light Solution: 475mV +/- 10mV
Orion: 900011

General Chemistry Worksheet

Batch Number: 460-59591
Method: SM 2580B
Analyst: Cabanganan, Maria

Date Open: Dec 22 2010 12:40PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~460-59591/1		SM 2580B		
360-31465-A-13-S	OC-SD-SD-SD2-XXX	SM 2580B	S	
360-31465-A-13-T~DU	OC-SD-SD-SD2-XXX	SM 2580B	S	
360-31465-A-1-E	OC-SD-ISCO-2-XXX	SM 2580B	S	
360-31465-A-5-F	OC-SD-SD-1-XXX	SM 2580B	S	
360-31465-A-6-E	OC-SD-SD-SD3-XXX	SM 2580B	S	
360-31465-A-7-E	OC-SD-SDSW-E-XXX	SM 2580B	S	
360-31465-A-11-F	OC-SD-OPWD-SD/SP/SW-S-XXX	SM 2580B	S	
360-31465-A-12-G	OC-SD-SD-SD2-DUP	SM 2580B	S	
CCV~460-59591/10		SM 2580B		

Batch Comment: Result adjusted by +204mV

Metals Worksheet

Batch Number: 460-59594
Method: DI Leach
Analyst: Cabanganan, Maria

Date Open: Dec 22 2010 12:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
360-31465-A-13	OC-SD-SD-SD2-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-13~DU	OC-SD-SD-SD2-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-1	OC-SD-ISCO-2-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-5	OC-SD-SD-1-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-6	OC-SD-SD-SD3-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-7	OC-SD-SDSW-E-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-11	OC-SD-OPWD-SD/SP/SW-S-XXX	DI Leach, SM 2580B	S	20 g	20 mL
360-31465-A-12	OC-SD-SD-SD2-DUP	DI Leach, SM 2580B	S	20 g	20 mL

Shipping and Receiving Documents

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New Hampshire (NELAC) prim.	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			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	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction	SW				
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethane compounds	P	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric	P	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total	P	NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-31465-1
SDG Number: 360-31465-1

Login Number: 31465
List Source: TestAmerica Westfield
Creator: Beaumier, Janine E
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-31465-1
SDG Number: 360-31465-1

Login Number: 31465
Creator: Meyers, Gary
List Number: 1

List Source: TestAmerica Edison
List Creation: 12/14/10 07:53 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-31465-1
SDG Number: 360-31465-1

Login Number: 31465
Creator: Meyers, Gary
List Number: 2

List Source: TestAmerica Edison
List Creation: 12/14/10 08:13 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-31465-1
SDG Number: 360-31465-1

Login Number: 31465
Creator: Snead, Joshua
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 12/10/10 04:06 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-31465-1
SDG Number: 360-31465-1

Login Number: 31465
Creator: Snead, Joshua
List Number: 3

List Source: TestAmerica Tallahassee
List Creation: 12/13/10 12:30 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Thursday Pick up

TAL-FL
TAL-Westfield

360-31965

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200 Cleveland, TN 37312	Work Site ID: Reports Sent To:	Wilmington, MA Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email: SGMorrow@olin.com Email Rpt:___

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund ____

Report Requirements Level IV Package ____ Level II Package ____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: _____ Email _____

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammnia (LACHAT)	TOC (Lloyd Kahn)	Phthalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G	G	G	<--Bottle Type (5)
OC-SD-ISCO-2-XXX	12/9/2010 12:00:00	T	FS	SED	G	11	X	X	X	X	X	X	X		X	X	X	X	X		
OC-SD-LB-1-XXX	12/9/2010 10:30:00	T	FS	SED	G	5	X	X					X		X	X	X				

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Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: _____ Date: 12/9/10 Time: 1600 Received: _____ Date: 12/9/10 Time: 1600

Relinquished: _____ Date: __/__/__ Time: _____ Received: _____ Date: 12/9/10 Time: 18:45

Cooler (Y) / N MADEP Requirement Samples Iced? Y / N

Temp @ receipt: -2.2°C/-2.6°C/1.2°C Deg C

Preservation / pH checked? Y / N N/A

By: JB Date: 12/9/10

01/13/2011

TAL-FL
TAL-Westfield

360-31465

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phthalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	- G	- G	<--Preservative Type (4) <--Bottle Type (5)
OC-SD-LB-2-XXX	12/9/2010 9:35:00 AM	T	FS	SED	G	5	X	X					X		X	X	X				
OC-SD-LB-3-XXX	12/9/2010 8:45:00 AM	T	FS	SED	G	5	X	X					X		X	X	X				
OC-SD-SD-1-XXX	12/9/2010 1:15:00 PM	T	FS	SED	G	11	X	X	X	X	X	X	X		X	X	X	X	X		
OC-SD-SD-SD3-XXX	12/9/2010 3:45:00 PM	T	FS	SED	G	11	X	X	X	X	X	X	X		X	X	X	X	X		
OC-SD-SDSW-E-XXX	12/9/2010 2:40:00 PM	T	FS	SED	G	11	X	X	X	X	X	X	X		X	X	X	X	X		
OC-TBK-064	12/9/2010 1:30:00 PM	T	TB	SED	G	3	X					X									VPH & VOC in (1) Methanol Vial

(3) (4) (Page 25 of 26) 2622

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride

Relinquished:		Date: 12/09/10	Time: 1600	Received:	Date: 12/9/10	Time: 1600
Relinquished:		Date: / /	Time:	Received:	Date: 12/9/10	Time: 18:45

Cooler ? Y / N (C) | MADEP Requirement
Samples Iced? (Y) / N
Temp @ receipt: -2.2°C / -2.6°C / 1.2°C Deg C
Preservation / pH checked? Y / N N/A
By: JB Date: 12/9/10

01/13/2011

360-31465

TAL-NJ

Client:	Olin Corporation	Client Project #:	6107090016	INVOICE INFO	Shaded Areas for office use only
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA	Company Name:	Olin Corp
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow	Company Contact:	ERG Accounts Payable
Phone:	423-336-4511	Fax:	423-336-1466	Email:	SGMorrow@olin.com
				Email Rpt:	
				Address:	Same as Client
				Phone:	Email

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund ____

Report Requirements Level IV Package ____ Level II Package ____

EDD Requirements: MACTEC EQUIS EZ EDD _____

Job #: Quote #:

Lab SDG #: PO #:

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	<--Preservative Type (4) <--Bottle Type (5)	Comments (Special Instructions)
		-	-	-	-	-	G	P	G	V	V	V	AG	AV		
OC-SD-ISCO-2-XXX	12/9/2010 12:00:00	T	FS	SED	G	1	X									

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature] Date: 12/09/10 Time: 1600 Received: [signature] Date: 12/9/10 Time: 1600

Relinquished: _____ Date: __/__/__ Time: _____ Received: _____ Date: __/__/__ Time: _____

Cooler ? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt:	Deg C
Preservation / pH checked? Y / N	
By:	Date:

360-31465

TAL-NJ

Page 2 of 2

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Comments (Special Instructions)
							-	-	-	-	-	-	-	Zn	<--Preservative Type (4)
							G	P	G	V	V	V	AG	AV	<--Bottle Type (5)
(5) OC-SD-SD-1-XXX	12/9/2010 1:15:00 PM	T	FS	SED	G	1	X								
(6) OC-SD-SD-SD3-XXX	12/9/2010 3:45:00 PM	T	FS	SED	G	1	X								
(7) OC-SD-SDSW-E-XXX	12/9/2010 2:40:00 PM	T	FS	SED	G	1	X								

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature] Date: 12/09/10 Time: 1600 Received: [signature] Date: 12/9/10 Time: 1600

Relinquished: _____ Date: __/__/__ Time: ____ Received: _____ Date: __/__/__ Time: ____

Cooler ? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: _____ Deg C	
Preservation / pH checked? Y / N	
By: _____ Date: _____	

01/13/2011

TAL - Westfield

Sediment

Page 1 of 2

360-31465

Client: Olin Corporation	Client Project #: 6107090016	INVOICE INFO	Shaded Areas for office use only
Address: 3855 North Ocoee St. Suite 200	Work Site ID: Wilmington, MA	Company Name: Olin Corp	
Cleveland, TN 37312	Reports Sent To: Steve Morrow	Company Contact: ERG Accounts Payable	
Phone: 423-336-4511 Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:___	Address: Same as Client	
Requested Turnaround Time (SPECIFY)	Regulatory Programs: MADEP MCP____ Superfund _____	Phone: Email	
Standard_____ Rush_____ (Lab Approval Required)	Report Requirements Level IV Package ____ Level II Package _____		
	EDD Requirements: MACTEC EQUIS EZ EDD _____	Job # _____	Quote # _____
		Lab SDG #_____	PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phthalic Anhydride (Mod 8000 HPLC)						Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	-	-	-	-	-	-	- G	- G	-	-	
							<--Preservative Type (4)																						
							<--Bottle Type (5)																						
OC-SD-OPWD-1-XXX	12/10/2010 1:15:00 PM	T	FS	SED	G	7	X	X	X				X		X	X	X								X				
OC-SD-OPWD-2-XXX	12/10/2010 1:45:00 PM	T	FS	SED	G	7	X	X	X				X		X	X	X								X				

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Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: _____ Date: 12/10/10 Time: 1530 Received: _____ Date: 12/10/10 Time: 1530

Relinquished: _____ Date: 12/10/10 Time: 1900 Received: _____ Date: 12/10/10 Time: 19:00

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 3.4 °C	Deg C
Preservation / pH checked? Y / N	
By: TB	Date: 12/10/10

01/13/2011

TAL - Westfield

Sediment

360-31465

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* ME V	SVOA and TICs (8270C) - G	NDMA (Modified 8270C) - G	Diphenylamine (8270C)** - G	EPH (MADEP-EPH-04-1.1) - G	VPH (MADEP-VPH-04-1.1) ME V	TAL Metals (6010B / 7471A) - G	PCBs (8082) - G	Anions (EPA 300)*** - G	Amonnia (LACHAT) - G	TOC (Lloyd Kahn) - G	Phathalic Anhydride (Mod 8000 HPLC) - G	Formaldehyde/Acetaldehyde (SW-846 8315A)* - G	Phthalic Anhydride (acid) (Method 8000 - LC)* - G	Comments (Special Instructions)
							<--Preservative Type (4)														
							<--Bottle Type (5)														
OC-SD-OPWD-SD/SO/SW-S-XXX	12/10/2010 12:30:00	T	FS	SED	G	5	X	X					X		X	X	X				
OC-SD-SD-SD2-DUP	12/10/2010 9:00:00 AM	T	FD	SED	G	11	X	X	X	X	X	X	X		X	X	X	X		X	
OC-SD-SD-SD2-MSD	12/10/2010 9:00:00 AM	T	MS	SED	G	10	X	X	X	X	X	X						X		X	1 VOC MeOH for MS/MSD
OC-SD-SD-SD2-XMS	12/10/2010 9:00:00 AM	T	MS	SED	G	11	X	X	X	X	X	X	X		X	X	X	X		X	1 VPH MeOH for MS/MSD
OC-SD-SD-SD2-XXX	12/10/2010 9:00:00 AM	T	FS	SED	G	11	X	X	X	X	X	X	X		X	X	X	X		X	
OC-TBK-066	12/10/2010 9:00:00 AM	T	TB	SED	G	4	X					X									Only (1) methanol vial for VOC/VPH analysis

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler ? Y / N | MADEP Requirement Samples Iced? Y N

Temp @ receipt: 5.4 Deg C

Preservation / pH checked? Y / N N/A

By: JB Date: 12/10/10

Relinquished: _____ ***Date:*** 12/10/10 ***Time:*** 1530 ***Received:*** _____ ***Date:*** 12/10/10 ***Time:*** 1530

Relinquished: _____ ***Date:*** 12/10/10 ***Time:*** 19:00 ***Received:*** _____ ***Date:*** 12/10/10 ***Time:*** 19:00

TAL - Edison, NJ

Sediment

Client:	Olin Corporation	Client Project #:	6107090016	INVOICE INFO	Shaded Areas for office use only
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA	Company Name:	Olin Corp
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow	Company Contact:	ERG Accounts Payable
Phone:	423-336-4511 Fax: 423-336-1466	Email	SGMorrow@olin.com Email Rpt:___	Address:	Same as Client
Requested Turnaround Time (SPECIFY)		Regulatory Programs: MADEP MCP____ Superfund ____		Phone:	Email
Standard_____	Rush_____ (Lab Approval Required)	Report Requirements Level IV Package ____ Level II Package ____		Job #_____	Quote #_____
		EDD Requirements: MACTEC EQUIS EZ EDD _____		Lab SDG#_____	PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kemporé (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH Mod 8315 LC/MS/MS)	<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
							G	P	G	V	V	V	AG	AV	
OC-SD-OPWD-SD/SO/SW-S-XXX	12/10/2010 12:30:00	T	FS	SED	G	1	X								

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature] *Date:* 12/10/10 *Time:* 1530 *Received:* [signature] *Date:* 12/10/10 *Time:* 1530

*Relinquished:*_____ *Date:* __/__/__ *Time:*_____ *Received:*_____ *Date:* __/__/__ *Time:*_____

Cooler ? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt	Deg C
Preservation / pH checked? Y / N	
By:	Date:

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page 2 of 2

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<--Preservative Type (4)							-	-	-	-	-	-	-	Zn	
<--Bottle Type (5)							G	P	G	V	V	V	AG	AV	
OC-SD-SD-SD2-DUP	12/10/2010 9:00:00 AM	T	FD	SED	G	1	X								
OC-SD-SD-SD2-XMS	12/10/2010 9:00:00 AM	T	MS	SED	G	1	X								
OC-SD-SD-SD2-XXX	12/10/2010 9:00:00 AM	T	FS	SED	G	1	X								

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Relinquished: [signature] **Date:** 12 / 10 / 10 **Time:** 1530 **Received:** [signature] **Date:** 12 / 10 / 10 **Time:** 1530

Relinquished: ______ **Date:** __/__/__ **Time:** ____ **Received:** ______ **Date:** __/__/__ **Time:** ____

Cooler? Y / N	MADEP Requirement Samples Iced? Y / N
Temp @ receipt: ______ Deg C	
Preservation / pH checked? Y / N	
By: ______ Date: ______	