TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-28076-1

Job Description: EPA - Pavillion Fracking

Contract Number: G07PC90028

For:
U.S. Geological Survey
Denver Federal Center
Building 95,
Denver, CO 80225

Attention: Mr. Gary Cottrell

Approved for release.
Lisa B Uriell
Project Manager II
5/15/2012 8:21 AM

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05/15/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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ACCREDITED IN ACCORDANCE WITH nelac

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CASE NARRATIVE

Client: U.S. Geological Survey

Project: USGS - Pavillion, WY

Report Number: 280-28076-1

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

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

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

Sample Receiving

One water sample was received under chain of custody on April24, 2012. The sample was received in good condition at temperatures of 2.8°C and 1.2°C.

The sample was placed on hold upon receipt, pending the arrival of additional samples from the Pavillion site. The sample/analyses were activated on April 26, 2012 in conjunction with the other Pavillion field samples and PE samples, which are reported under separate covers.

The 8015B Glycols + Methanol analysis presented in this report was performed at TestAmerica Austin, 14050 Summit Drive, Suite A100, Austin, TX 78728, 512.244.0855. Please reference that laboratories report that is included in its entirety in this submittal.

The requested RSK_175 (Propane) analysis presented in this report was performed at TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, 412.963.7058.

The requested 425.1 MBAS Surfactants analysis presented in this report was performed at TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, 912-354-7858.

No anomalies were encountered during sample receipt.

GC/MS Volatiles - SW846 Method 8260B

The compound 2-butoxy ethanol was reported as TIC. The spectra for all tentatively identified compounds were evaluated against the NIST library spectra for this analyte. There were no positive matches for 2-butoxy ethanol.

Several tentatively identified compounds were isomers of the same analyte, for example methyl-ethyl-benzene. Because the laboratory does not calibrate for these analytes, retention time information is not available and exact isomeric identification was not possible.

The 8260B Volatiles analysis was performed on both hydrochloric acid preserved volume and unpreserved volume as requested by the client. The preserved volume was logged under sample 280-28076-1, while the unpreserved volume was logged under sample 280-28076-2 for clarification. Both sets of results can be found in this report.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, sample MW02 (280-28076-1 & 280-28076-2) had to be analyzed using a reduced aliquot size equivalent to a 20X dilution. The reporting limits have been adjusted relative to the initial aliquot used.

The MS/MSD analyses associated with batch 280-117414 were performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Acetone, 2-Butanone (MEK), Chloromethane, 1,2-Dichloropropane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane and Trichloroethene. Please note that the recoveries for the Acetone MS/MSD are estimated values as the concentrations exceeded the calibration range. Additionally, the MS/MSD exhibited relative percent difference (RPD) data outside the QC control limits for 1,1,2,2-Tetrachloroethane. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed

unnecessary.

No other anomalies were observed.

GC/MS Semivolatiles - SW846 Method 8270C
Several tentatively identified compounds were isomers of the same analyte, for example methyl-ethyl-benzene. Because the laboratory does not calibrate for these analytes, retention time information is not available and exact isomeric identification was not possible.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to limited sample volume, sample MW02 (280-28076-1) had an initial aliquot volume of 999.2 mL. This is slightly below the nominal aliquot volume of 1000 mL. Therefore, the analysis of sample MW02 (280-28076-1) may have had to be performed with slightly elevated detection limits. The reporting limits have been adjusted relative to the initial volume available.

Sample MW02 (280-28076-1) was analyzed both undiluted and at a 4X dilution, due to elevated levels of Benzoic acid present above the linear calibration curve in the undiluted analysis. Reporting limits were raised accordingly. Only those compounds that were within the linear range were reported in each dilution in order to achieve the lowest reporting limits possible within the constraints of the method.

Surrogate recoveries could not be reliably calculated for the diluted analysis of sample MW02 (280-28076-1), because the extract was diluted beyond the ability to quantitate recoveries.

A low level of Benzyl alcohol was detected in the method blank associated with prep batch280-117171. The value should be considered an estimate, and has been flagged "J". Because the concentration in the method blank was not present at a level greater than one half the reporting limit, corrective action was deemed unnecessary. The associated positive result in the analytical report has been flagged with a "B". Usability of the sample data is not compromised.

The MS/MSD analyses associated with prep batch 280-117171 were performed on a sample from another job. The MS/MSD exhibited the matrix spike (MS) percent recovery outside the QC control limits for Benzoic acid. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

GC/MS Semivolatiles - SW846 Method 8270C-SIM (PAHs)
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to limited sample volume, sample MW02 (280-28076-1) had an initial aliquot volume of 992.7 mL. This is slightly below the nominal aliquot volume of 1000 mL. Therefore, the analysis of sample MW02 (280-28076-1) may have had to be performed with slightly elevated detection limits. The reporting limits have been adjusted relative to the initial volume available.

Due to analytes present above the linear calibration curve, sample MW02 (280-28076-1) had to be analyzed at a 4X dilution. The reporting limits have been adjusted relative to the dilution required. The associated surrogate recoveries could not be reliably calculated because the extract was diluted beyond the ability to quantitate a recovery.

Low levels of Benzo[b]fluoranthene, Benzo[a]pyrene, Benzo[k]fluoranthene, Benzo[g,h,i]perylene, Dibenz(a,h)anthracene, Fluoranthene, Pyrene and Indeno[1,2,3-cd]pyrene were detected in the method blank associated with prep batch 280-117187. The values should be considered estimates, and have been flagged "J". Because the concentrations in the method blank were not present at a level greater than the reporting limits, corrective action was deemed unnecessary. The associated positive results in the analytical report have been flagged with a "B". Usability of the sample data is not compromised.

No other anomalies were observed.

GC Volatiles / GRO - SW846 Method 8015B
The 8015B Gasoline Range Organics analysis was performed on both hydrochloric acid preserved volume and unpreserved volume as requested by the client. The preserved volume was logged under sample 280-28076-1, while the unpreserved volume was logged under sample 280-28076-2 for clarification. Both sets of results can be found in this report.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to elevated levels of Gasoline Range Organics (C6-C10), samples MW02 (280-28076-1 & 280-28076-2) had to be analyzed using a reduced aliquot size equivalent to a 20X dilution. The reporting limits have been adjusted relative to the initial aliquots used.

Surrogate a,a,a-Trifluorotoluene was recovered outside the QC control limits in the analysis of sample MW02 (280-28076-2)

at 117% (limits 82-110%). Evidence of matrix interference is present; therefore, corrective action is deemed unnecessary. The unreported surrogate Chlorobenzene was recovered in control, and Chlorobenzene and a,a,a-Trifluorotoluene are added using the same surrogate mixture, indicating that the extraction was successful. It appears that target analyte present in the sample co-eluted with the a,a,a-Trifluorotoluene peak.

The MS/MSD analyses associated with batch 280-117506 were performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Gasoline Range Organics (C6-C10) and surrogate a,a,a-Trifluorotoluene. Percent recoveries and relative percent difference (RPD) data could not be reliably calculated for Gasoline Range Organics (C6-C10) due to elevated concentrations present in the parent sample. The presence of the '4 qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The MS/MSD analyses associated with batch 280-117914 were performed on a sample from another job. The MS/MSD exhibited the matrix spike duplicate (MSD) percent recovery outside the QC control limits for Gasoline Range Organics (C6-C10). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

GC Volatiles, Dissolved Gases in Water, RSK-175
TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the analytes/surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets

The designation of "primary" and "secondary" results in the data package does not necessarily correlate to "primary" and "confirmation" column results. The use of the designator "primary" in the LIM system indicates the "preferred" result, which may come from either column.

Analytes Acetylene/Ethane co-elute on one of the columns used for this analysis. As a result, there are no results reported for the %Difference in the concentration on the Form X.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, sample MW02 (280-28076-1) had to be analyzed at an 18X dilution. The reporting limit has been adjusted relative to the dilution required.

The MS/MSD analyses associated with batch 280-117933 were performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Methane and Ethane. Percent recoveries and relative percent difference (RPD) data could not be reliably calculated for Methane due to elevated concentrations present in the parent sample. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

GC Volatiles, Propane in Water, RSK-175
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to elevated levels of Propane present, sample MW02 (280-28076-1) had to be analyzed at a 2X dilution. The reporting limit has been adjusted relative to the dilution required.

The MS/MSD analyses associated with batch 180-34676 were performed on samples from another job. The MS/MSDs exhibited percent recoveries outside the QC control limits for Propane. Percent recoveries and relative percent difference (RPD) data could not be reliably calculated for Propane due to elevated concentrations present in the parent sample. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

GC Semivolatiles / DRO - SW846 Method 8015B
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to limited sample volume, sample MW02 (280-28076-1) had an initial aliquot volume of 990 mL. This is slightly below the nominal

aliquot volume of 1000 mL. Therefore, the analysis of sample MW02 (280-28076-1) may have had to be performed with slightly elevated detection limits. The reporting limits have been adjusted relative to the initial volume available.

No other anomalies were observed.

Total Metals - SW846 Methods 6010B/6020/7470A

The 6010B MS/MSD associated with prep batch 280-118701 was performed on sample MW02 (280-28076-1). Percent recoveries and relative percent difference (RPD) data could not be reliably calculated for Sodium and Iron due to elevated concentrations present in the parent sample. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 6020 MS/MSD associated with prep batch 280-117181 was performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Selenium and Zinc. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 6010B serial dilution (SD) associated with prep batch 280-118701 were performed on sample MW02 (280-28076-1). The SD recovery for Aluminum was above the acceptance criteria. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 6020 serial dilution (SD) and post digestion spike (PDS) associated with prep batch 280-117181 were performed on a sample from another job. Barium and Molybdenum were greater than 50X the MDL for the parent sample; therefore, the SD is applicable for these metals. The SD recovery was within the established control limits for Barium; therefore, the PDS is not applicable for this metal. The SD recovery for Molybdenum was above the acceptance criteria; therefore the PDS is applicable for this metal. All other concentrations in the parent sample were less than 50X the respective MDLs; therefore, the SD was not calculable and the PDS is applicable. The PDS exhibited the recovery above the QC control limits for Silver. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

Dissolved Metals - SW846 Methods 6010B/6020/7470A

Antimony was present at a level greater than the reporting limit in the 6020 instrument blank associated with analytical batch 280-117880. As Antimony was not present at a level greater than the reporting limit in the associated sample, corrective action is deemed unnecessary. The associated positive result in the analytical report has been flagged "^".

A low level of Sodium was detected in the method 6010B blank associated with prep batch 280-117184. The value should be considered an estimate, and has been flagged "J". Because the concentration in the method blank was not present at a level greater than one half the reporting limit, corrective action was deemed unnecessary. The associated positive results in the analytical report have been flagged with a "B". Usability of the sample data is not compromised.

Low levels of Antimony and Cobalt were detected in the method 6020 blank associated with prep batch 280-117185. The values should be considered estimates, and have been flagged "J". Because the concentrations in the method blank were not present at levels greater than one half the reporting limits, corrective action was deemed unnecessary. The associated positive results in the analytical report have been flagged with a "B". Usability of the sample data is not compromised.

The 6010B MS/MSD associated with prep batch 280-117184 was performed on a sample from another job. Percent recoveries and relative percent difference (RPD) data could not be reliably calculated for Sodium due to elevated concentrations present in the parent sample. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 6020 MS/MSD associated with prep batch 280-117185 was performed on a sample from another job. The MS/MSD exhibited the matrix spike duplicate (MSD) percent recovery outside the QC control limits for Selenium. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 6020 serial dilution (SD) and post digestion spike (PDS) associated with prep batch 280-117185 were performed on a sample from another job. Barium and Molybdenum were greater than 50X the MDL for the parent sample; therefore, the SD is applicable for these metals. The SD recoveries were within the established control limits for Barium and Molybdenum; therefore, the PDS is not applicable for these metals. All other concentrations in the parent sample were less than 50X the respective MDLs; therefore, the SD was not calculable and the PDS is applicable. The PDS exhibited the recovery above the

QC control limits for Silver. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standard associated with the method blank in analytical batch 280-117880 was above the control limits for Zinc during Method 6020 analysis. However, since the data are considered to be biased high and Zinc was not detected in the associated method blank, corrective action was deemed unnecessary. The associated result in the analytical report has been flagged with "^".

No other anomalies were observed.

General Chemistry, Various Methods

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the methods. Due to high constituent concentration, the Chloride analysis of sample MW02 (280-28076-1) had to be performed at a 20X dilution. The reporting limit has been adjusted relative to the dilution required.

Due to high constituent concentration, the Total and Dissolved Phosphorus analyses of sample MW02 (280-28076-1) had to be performed at a 2X dilution. The reporting limits have been adjusted relative to the dilutions required.

A low level of Ammonia was detected in the method 350.1 blank associated with batch 280-119085. The value should be considered an estimate, and has been flagged "J". Because the concentration in the method blank was not present at a level greater than one half the reporting limit, corrective action was deemed unnecessary. The associated positive result in the analytical report has been flagged with a "B". Usability of the sample data is not compromised.

A low level of Total Phosphorus was detected in the method 365.1 blank associated with prep batch 280-119081. The value should be considered an estimate, and has been flagged "J". Because the concentration in the method blank was not present at a level greater than one half the reporting limit, corrective action was deemed unnecessary. The associated positive result in the analytical report has been flagged with a "B". Usability of the sample data is not compromised.

The 350.1 MS/MSD associated with batch 280-119085 was performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Ammonia. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 365.1 MS/MSD associated with prep batch 280-119077 was performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Dissolved Phosphorus. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 365.1 MS/MSD associated with prep batch 280-119081 was performed on a sample from another job. The MS/MSD exhibited percent recoveries outside the QC control limits for Total Phosphorus. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 9056 MS/MSD associated with batch 280-117895 was performed on a sample from another job. Please note that the recoveries for the Chloride and Sulfate MS/MSD are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 9060 MS/MSD associated with batch 280-119489 was performed on a sample from another job. Please note that the recoveries for the Total Inorganic Carbon MS/MSD are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The 9060 MS/MSD associated with batch 280-119515 was performed on a sample from another job. Please note that the recoveries for the Dissolved Inorganic Carbon MS/MSD are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 117938

Lab Sample ID: IC 280-117938/2 Client Sample ID:

Date Analyzed: 05/02/12 07:20 Lab File ID: D0510.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: IC 280-117938/3 Client Sample ID:

Date Analyzed: 05/02/12 07:39 Lab File ID: D0511.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: IC 280-117938/4 Client Sample ID:

Date Analyzed: 05/02/12 07:57 Lab File ID: D0512.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: ICIS 280-117938/5 Client Sample ID:

Date Analyzed: 05/02/12 08:14 Lab File ID: D0513.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: IC 280-117938/6 Client Sample ID:

Date Analyzed: 05/02/12 08:32 Lab File ID: D0514.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 117938

Lab Sample ID: ICV 280-117938/10 Client Sample ID:

Date Analyzed: 05/02/12 09:44 Lab File ID: D0518.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha, alpha-Dimethyl phenethylamine	4.65	Split Peak	hoffmanm	05/02/12 10:31

8270C

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 118050

Lab Sample ID: IC 280-118050/2 Client Sample ID:

Date Analyzed: 05/02/12 10:04 Lab File ID: D0519.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.48	Split Peak	hoffmanm	05/02/12 12:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 119099

Lab Sample ID: CCV 280-119099/5 Client Sample ID:

Date Analyzed: 05/08/12 10:42 Lab File ID: D0714.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha, alpha-Dimethyl phenethylamine	4.51	Split Peak	hoffmanm	05/08/12 11:06

8270C

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 119208

Lab Sample ID: CCV 280-119208/3 Client Sample ID:

Date Analyzed: 05/09/12 14:20 Lab File ID: D0756.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha, alpha-Dimethyl phenethylamine	4.51	Split Peak	hoffmanm	05/10/12 07:31

8270C

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_F Analysis Batch Number: 118594

Lab Sample ID: 280-28131-F-4-A MS Client Sample ID:

Date Analyzed: 05/04/12 22:38 Lab File ID: F4201.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.94	Mis-Integrated	vasquezk	05/07/12 08:58

Lab Sample ID: 280-28076-1 Client Sample ID: MW02

Date Analyzed: 05/05/12 01:07 Lab File ID: F4206.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	21.01	Mis-Integrated	vasquezk	05/07/12 09:00

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_B Analysis Batch Number: 112259

Lab Sample ID: IC 280-112259/3 Client Sample ID:

Date Analyzed: 03/14/12 09:46 Lab File ID: 116F0301.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Chloro-4-fluorobenzene	11.29	Baseline Event	mooret	03/19/12 11:26

Lab Sample ID: IC 280-112259/4 Client Sample ID:

Date Analyzed: 03/14/12 10:19 Lab File ID: 202F0401.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Chloro-4-fluorobenzene	11.29	Baseline Event	mooret	03/19/12 11:27

Lab Sample ID: ICRT 280-112259/5 Client Sample ID:

Date Analyzed: 03/14/12 12:03 Lab File ID: 203F0501.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	mooret	03/19/12 11:24
1-Chloro-4-fluorobenzene	11.30	Baseline Event	mooret	03/19/12 11:24

Lab Sample ID: IC 280-112259/6 Client Sample ID:

Date Analyzed: 03/14/12 12:34 Lab File ID: 204F0601.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.87	Baseline Event	mooret	03/19/12 11:27
1-Chloro-4-fluorobenzene	11.29	Baseline Event	mooret	03/19/12 11:27

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_B Analysis Batch Number: 112259

Lab Sample ID: IC 280-112259/7 Client Sample ID:

Date Analyzed: 03/14/12 13:17 Lab File ID: 205F0701.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.89	Baseline Event	mooret	03/19/12 11:28
1-Chloro-4-fluorobenzene	11.30	Baseline Event	mooret	03/19/12 11:28

Lab Sample ID: IC 280-112259/8 Client Sample ID:

Date Analyzed: 03/14/12 13:49 Lab File ID: 206F0801.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	mooret	03/19/12 11:28
1-Chloro-4-fluorobenzene	11.30	Baseline Event	mooret	03/19/12 11:28

Lab Sample ID: ICV 280-112259/9 Client Sample ID:

Date Analyzed: 03/14/12 14:26 Lab File ID: 207F0901.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	mooret	03/19/12 11:31
C5-C12	9.62	Baseline Event	mooret	03/19/12 11:31
C6-C12	10.07	Baseline Event	mooret	03/19/12 11:31
Gasoline	10.07	Baseline Event	mooret	03/19/12 11:31
Chlorobenzene	11.51	Baseline Event	mooret	03/19/12 11:31

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_B Analysis Batch Number: 117506

Lab Sample ID: CCVRT 280-117506/2 Client Sample ID:

Date Analyzed: 04/27/12 10:22 Lab File ID: 112F0201.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.85	Split Peak	byla	04/27/12 10:59
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00
Chlorobenzene	11.47	Baseline Event	byla	04/27/12 10:59

Lab Sample ID: LCS 280-117506/3 Client Sample ID:

Date Analyzed: 04/27/12 12:36 Lab File ID: 113F0301.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00

Lab Sample ID: LCSD 280-117506/4 Client Sample ID:

Date Analyzed: 04/27/12 13:08 Lab File ID: 114F0401.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00

Lab Sample ID: 280-28076-2 Client Sample ID: MW02 (UNPRESERVED)

Date Analyzed: 04/27/12 15:10 Lab File ID: 116F0601.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.86	Baseline Event	byla	04/27/12 15:54
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_B Analysis Batch Number: 117506

Lab Sample ID: 280-28131-A-12 MS Client Sample ID:

Date Analyzed: 04/27/12 16:15 Lab File ID: 202F0801.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00

Lab Sample ID: 280-28131-A-12 MSD Client Sample ID:

Date Analyzed: 04/27/12 16:47 Lab File ID: 203F0901.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00

Lab Sample ID: CCV 280-117506/10 Client Sample ID:

Date Analyzed: 04/27/12 17:20 Lab File ID: 204F1001.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.86	Baseline Event	byla	04/27/12 17:43
Gasoline Range Organics (GRO)-C6-C10	9.13	Baseline Event	byla	04/27/12 00:00
Chlorobenzene	11.48	Baseline Event	byla	04/27/12 17:43

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Analysis Batch Number: 115193

Lab Sample ID: IC 280-115193/3 Client Sample ID:

Date Analyzed: 04/11/12 15:28 Lab File ID: 113F0301.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.57	Split Peak	byla	04/12/12 10:32
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	byla	04/12/12 00:00
1-Chloro-4-fluorobenzene	15.39	Baseline Event	byla	04/12/12 10:31
Chlorobenzene	15.73	Baseline Event	byla	04/12/12 10:31
C5-C12	16.98	Baseline Event	byla	04/12/12 00:00
C6-C12	17.65	Baseline Event	byla	04/12/12 00:00

Lab Sample ID: IC 280-115193/4 Client Sample ID:

Date Analyzed: 04/11/12 16:10 Lab File ID: 114F0401.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.57	Split Peak	byla	04/12/12 12:58
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	byla	04/12/12 00:00
1-Chloro-4-fluorobenzene	15.38	Baseline Event	byla	04/12/12 12:58
Chlorobenzene	15.72	Baseline Event	byla	04/12/12 12:58
C5-C12	16.98	Baseline Event	byla	04/12/12 00:00
C6-C12	17.65	Baseline Event	byla	04/12/12 00:00

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Analysis Batch Number: 115193

Lab Sample ID: ICRT 280-115193/5 Client Sample ID:

Date Analyzed: 04/11/12 16:53 Lab File ID: 115F0501.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.57	Split Peak	byla	04/12/12 10:29
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	byla	04/12/12 00:00
1-Chloro-4-fluorobenzene	15.38	Baseline Event	byla	04/12/12 10:29
Chlorobenzene	15.72	Baseline Event	byla	04/12/12 10:29
C5-C12	16.98	Baseline Event	byla	04/12/12 00:00
C6-C12	17.65	Baseline Event	byla	04/12/12 00:00

Lab Sample ID: IC 280-115193/6 Client Sample ID:

Date Analyzed: 04/11/12 17:36 Lab File ID: 116F0601.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.57	Split Peak	byla	04/12/12 10:34
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	byla	04/12/12 00:00
1-Chloro-4-fluorobenzene	15.38	Baseline Event	byla	04/12/12 10:34
Chlorobenzene	15.71	Baseline Event	byla	04/12/12 10:34
C5-C12	16.98	Baseline Event	byla	04/12/12 00:00
C6-C12	17.65	Baseline Event	byla	04/12/12 00:00

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Analysis Batch Number: 115193

Lab Sample ID: IC 280-115193/7 Client Sample ID:

Date Analyzed: 04/11/12 18:18 Lab File ID: 201F0701.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.57	Split Peak	byla	04/12/12 10:35
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	byla	04/12/12 00:00
1-Chloro-4-fluorobenzene	15.38	Baseline Event	byla	04/12/12 10:34
Chlorobenzene	15.71	Baseline Event	byla	04/12/12 10:34
C5-C12	16.98	Baseline Event	byla	04/12/12 00:00
C6-C12	17.65	Baseline Event	byla	04/12/12 00:00

Lab Sample ID: IC 280-115193/8 Client Sample ID:

Date Analyzed: 04/11/12 19:01 Lab File ID: 202F0801.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.56	Baseline Event	mooret	04/12/12 11:00
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	mooret	04/12/12 00:00
1-Chloro-4-fluorobenzene	15.37	Baseline Event	mooret	04/12/12 11:00
Chlorobenzene	15.70	Baseline Event	mooret	04/12/12 11:00
C5-C12	16.98	Baseline Event	mooret	04/12/12 00:00
C6-C12	17.65	Baseline Event	mooret	04/12/12 00:00

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Analysis Batch Number: 115193

Lab Sample ID: ICV 280-115193/9 Client Sample ID:

Date Analyzed: 04/11/12 19:43 Lab File ID: 203F0901.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.55	Split Peak	byla	04/12/12 10:38
Gasoline Range Organics (GRO)-C6-C10	14.46	Baseline Event	byla	04/12/12 00:00
Chlorobenzene	15.69	Baseline Event	byla	04/12/12 10:38
C5-C12	16.98	Baseline Event	byla	04/12/12 00:00
C6-C12	17.65	Baseline Event	byla	04/12/12 00:00
Gasoline	17.65	Baseline Event	byla	04/12/12 00:00

8015B

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Analysis Batch Number: 117914

Lab Sample ID: CCVRT 280-117914/2 Client Sample ID:

Date Analyzed: 05/01/12 12:27 Lab File ID: 102F0201.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.55	Split Peak	byla	05/01/12 13:13
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/01/12 00:00
Chlorobenzene	15.69	Baseline Event	byla	05/01/12 13:12

Lab Sample ID: LCS 280-117914/3 Client Sample ID:

Date Analyzed: 05/01/12 13:33 Lab File ID: 103F0301.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.53	Baseline Event	byla	05/01/12 15:39
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/01/12 00:00

Lab Sample ID: LCSD 280-117914/4 Client Sample ID:

Date Analyzed: 05/01/12 14:15 Lab File ID: 104F0401.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.54	Baseline Event	byla	05/01/12 15:40
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/01/12 00:00

Lab Sample ID: 280-28131-BN-4 MS Client Sample ID:

Date Analyzed: 05/01/12 17:06 Lab File ID: 107F0701.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.54	Split Peak	byla	05/01/12 17:53
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/01/12 00:00

8015B

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Analysis Batch Number: 117914

Lab Sample ID: 280-28131-BN-4 MSD Client Sample ID:

Date Analyzed: 05/01/12 17:49 Lab File ID: 108F0801.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.54	Split Peak	byla	05/02/12 10:43
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/02/12 00:00

Lab Sample ID: 280-28076-1 Client Sample ID: MW02

Date Analyzed: 05/01/12 18:31 Lab File ID: 109F0901.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.54	Baseline Event	byla	05/02/12 10:43
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/02/12 00:00

Lab Sample ID: CCV 280-117914/14 Client Sample ID:

Date Analyzed: 05/01/12 22:03 Lab File ID: 114F1401.D GC Column: RTX 502.2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	10.53	Split Peak	byla	05/02/12 10:40
Gasoline Range Organics (GRO)-C6-C10	14.45	Baseline Event	byla	05/02/12 00:00
Chlorobenzene	15.66	Baseline Event	byla	05/02/12 10:39

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_J Analysis Batch Number: 98971

Lab Sample ID: IC 280-98971/1 Client Sample ID:

Date Analyzed: 12/07/11 07:10 Lab File ID: 001F0101.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.13	Baseline Event	gilbertb	12/09/11 12:16
Ethylene	1.33	Baseline Event	gilbertb	12/09/11 12:16
Ethane	1.39	Baseline Event	gilbertb	12/09/11 12:16

Lab Sample ID: IC 280-98971/2 Client Sample ID:

Date Analyzed: 12/07/11 07:15 Lab File ID: 002F0201.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.13	Baseline Event	gilbertb	12/07/11 07:30
Ethylene	1.33	Baseline Event	gilbertb	12/07/11 07:31
Ethane	1.39	Baseline Event	gilbertb	12/07/11 00:00
Acetylene	1.64	Baseline Event	gilbertb	12/07/11 07:30

Lab Sample ID: IC 280-98971/3 Client Sample ID:

Date Analyzed: 12/07/11 07:19 Lab File ID: 003F0301.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.13	Baseline Event	gilbertb	12/07/11 07:31
Ethylene	1.34	Baseline Event	gilbertb	12/07/11 07:32
Ethane	1.39	Baseline Event	gilbertb	12/07/11 07:32
Acetylene	1.64	Baseline Event	gilbertb	12/07/11 07:31

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_J Analysis Batch Number: 117933

Lab Sample ID: CCV 280-117933/5 Client Sample ID:

Date Analyzed: 05/01/12 13:52 Lab File ID: 016F1601.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.13	Baseline Event	SmithM	05/02/12 00:00
Ethylene	1.33	Baseline Event	SmithM	05/02/12 00:00
Ethane	1.38	Baseline Event	SmithM	05/02/12 00:00
Acetylene	1.63	Baseline Event	SmithM	05/02/12 00:00

Lab Sample ID: 280-28076-1 Client Sample ID: MW02

Date Analyzed: 05/01/12 15:52 Lab File ID: 025F2601.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethane	1.38	Baseline Event	SmithM	05/02/12 00:00

Lab Sample ID: CCV 280-117933/15 Client Sample ID:

Date Analyzed: 05/01/12 16:06 Lab File ID: 028F2901.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.13	Baseline Event	SmithM	05/02/12 00:00
Ethylene	1.33	Baseline Event	SmithM	05/02/12 00:00
Ethane	1.38	Baseline Event	SmithM	05/02/12 00:00
Acetylene	1.63	Baseline Event	SmithM	05/02/12 00:00

Lab Sample ID: CCV 280-117933/15 Client Sample ID:

Date Analyzed: 05/01/12 16:06 Lab File ID: 028F2901.D GC Column: RT-3PLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.14	Baseline Event	SmithM	05/01/12 18:31
Ethylene	1.34	Baseline Event	SmithM	05/01/12 18:31
AcetyleneEthane	1.42	Baseline Event	SmithM	05/01/12 18:31

RSK-175

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_J Analysis Batch Number: 117933

Lab Sample ID: 280-28131-W-3 DU Client Sample ID:

Date Analyzed: 05/01/12 16:46 Lab File ID: 035F3601.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethane	1.38	Baseline Event	SmithM	05/01/12 17:42

Lab Sample ID: 280-28131-BX-4 MS Client Sample ID:

Date Analyzed: 05/01/12 16:54 Lab File ID: 037F3801.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethylene	1.33	Baseline Event	SmithM	05/01/12 18:16
Ethane	1.38	Baseline Event	SmithM	05/01/12 18:16

Lab Sample ID: 280-28131-BX-4 MSD Client Sample ID:

Date Analyzed: 05/01/12 16:59 Lab File ID: 038F3901.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethylene	1.33	Baseline Event	SmithM	05/01/12 18:17
Ethane	1.38	Baseline Event	SmithM	05/01/12 18:17

Lab Sample ID: CCV 280-117933/24 Client Sample ID:

Date Analyzed: 05/01/12 17:08 Lab File ID: 040F4101.D GC Column: RT-VPLOT ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.13	Baseline Event	SmithM	05/01/12 18:19
Ethylene	1.33	Baseline Event	SmithM	05/01/12 18:19
Ethane	1.38	Baseline Event	SmithM	05/01/12 18:19
Acetylene	1.63	Baseline Event	SmithM	05/01/12 18:19

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 117559

Lab Sample ID: IC 280-117559/2 Client Sample ID:

Date Analyzed: 04/26/12 15:34 Lab File ID: 004B0401.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:42
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:42
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:42
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 00:00
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:42
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:42
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:42

Lab Sample ID: IC 280-117559/3 Client Sample ID:

Date Analyzed: 04/26/12 15:58 Lab File ID: 005B0501.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:43
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:43
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:43
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:43
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:43
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:43
o-Terphenyl	8.50	Baseline Event	birdsellm	04/30/12 11:43
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:43
n-Octacosane	11.47	Baseline Event	birdsellm	04/30/12 11:43

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 117559

Lab Sample ID: IC 280-117559/4 Client Sample ID:

Date Analyzed: 04/26/12 16:23 Lab File ID: 006B0601.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:44
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:44
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:44
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:44
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:44
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:44
o-Terphenyl	8.49	Baseline Event	birdsellm	04/30/12 11:44
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:44
n-Octacosane	11.46	Baseline Event	birdsellm	04/30/12 11:44

Lab Sample ID: ICRT 280-117559/5 Client Sample ID:

Date Analyzed: 04/26/12 16:47 Lab File ID: 007B0701.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:45
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:45
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:45
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:45
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:45
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:45
o-Terphenyl	8.48	Baseline Event	birdsellm	04/30/12 11:45
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:45
n-Octacosane	11.46	Baseline Event	birdsellm	04/30/12 11:44

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 117559

Lab Sample ID: IC 280-117559/6 Client Sample ID:

Date Analyzed: 04/26/12 17:12 Lab File ID: 008B0801.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:45
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:45
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:45
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:45
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:45
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:45
o-Terphenyl	8.48	Baseline Event	birdsellm	04/30/12 11:45
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:45
n-Octacosane	11.46	Baseline Event	birdsellm	04/30/12 11:45

Lab Sample ID: IC 280-117559/7 Client Sample ID:

Date Analyzed: 04/26/12 17:36 Lab File ID: 009B0901.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:45
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:45
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:45
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:45
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:45
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:45
o-Terphenyl	8.48	Baseline Event	birdsellm	04/30/12 11:45
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:45

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 117559

Lab Sample ID: IC 280-117559/8 Client Sample ID:

Date Analyzed: 04/26/12 18:01 Lab File ID: 010B1001.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:46
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:46
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:46
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:46
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:46
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:46
o-Terphenyl	8.48	Baseline Event	birdsellm	04/30/12 11:46
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:46

Lab Sample ID: ICV 280-117559/9 Client Sample ID:

Date Analyzed: 04/26/12 18:25 Lab File ID: 011B1101.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.57	Baseline Event	birdsellm	04/30/12 11:55
C10-C24	6.91	Baseline Event	birdsellm	04/30/12 11:55
C10-C25	7.06	Baseline Event	birdsellm	04/30/12 11:55
C8-C34	7.08	Baseline Event	birdsellm	04/30/12 11:55
Diesel Range Organics [C10-C28]	7.51	Baseline Event	birdsellm	04/30/12 11:55
C10-C32	8.04	Baseline Event	birdsellm	04/30/12 11:55
o-Terphenyl	8.45	Baseline Event	birdsellm	04/30/12 11:48
C10-C36	8.51	Baseline Event	birdsellm	04/30/12 11:55
n-Octacosane	11.46	Baseline Event	birdsellm	04/30/12 11:55

8015B

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 119005

Lab Sample ID: CCVRT 280-119005/2 Client Sample ID:

Date Analyzed: 05/02/12 16:16 Lab File ID: 052B0401.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:50
C10-C36	8.48	Baseline Event	birdsellm	05/09/12 09:50
o-Terphenyl	8.48	Baseline Event	birdsellm	05/09/12 09:50
n-Octacosane	11.46	Baseline Event	birdsellm	05/09/12 09:50

Lab Sample ID: CCV 280-119005/3 Client Sample ID:

Date Analyzed: 05/03/12 02:23 Lab File ID: 077B2901.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:50
C10-C36	8.48	Baseline Event	birdsellm	05/09/12 09:50
o-Terphenyl	8.48	Baseline Event	birdsellm	05/09/12 09:50
n-Octacosane	11.45	Baseline Event	birdsellm	05/09/12 09:50

Lab Sample ID: LCS 280-117191/2-A Client Sample ID:

Date Analyzed: 05/03/12 03:12 Lab File ID: 079B3101.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:51
o-Terphenyl	8.45	Baseline Event	birdsellm	05/09/12 09:51

Lab Sample ID: LCSD 280-117191/3-A Client Sample ID:

Date Analyzed: 05/03/12 03:36 Lab File ID: 080B3201.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:51
o-Terphenyl	8.45	Baseline Event	birdsellm	05/09/12 09:51

8015B

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 119005

Lab Sample ID: 280-28131-C-4-A MS Client Sample ID:

Date Analyzed: 05/03/12 05:37 Lab File ID: 085B3701.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:51
o-Terphenyl	8.45	Baseline Event	birdsellm	05/09/12 09:51

Lab Sample ID: 280-28131-E-4-A MSD Client Sample ID:

Date Analyzed: 05/03/12 06:01 Lab File ID: 086B3801.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:52
o-Terphenyl	8.45	Baseline Event	birdsellm	05/09/12 09:52

Lab Sample ID: 280-28076-1 Client Sample ID: MW02

Date Analyzed: 05/03/12 07:39 Lab File ID: 090B4201.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:52
o-Terphenyl	8.45	Baseline Event	birdsellm	05/09/12 09:52

Lab Sample ID: CCV 280-119005/18 Client Sample ID:

Date Analyzed: 05/03/12 08:28 Lab File ID: 092B4401.D GC Column: HP-5 (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.48	Baseline Event	birdsellm	05/09/12 09:54
C10-C36	8.48	Baseline Event	birdsellm	05/09/12 09:54
o-Terphenyl	8.48	Baseline Event	birdsellm	05/09/12 09:54
n-Octacosane	11.46	Baseline Event	birdsellm	05/09/12 09:54

8015B

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Instrument ID: RSK Analysis Batch Number: 28893

Lab Sample ID: IC 180-28893/10 Client Sample ID:

Date Analyzed: 02/20/12 08:46 Lab File ID: 02201205.D GC Column: Rt-Alumina ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.05	Poor Chromatography		

RSK-175

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Instrument ID: RSK Analysis Batch Number: 34676

Lab Sample ID: CCV 180-34676/1 Client Sample ID:

Date Analyzed: 04/30/12 08:33 Lab File ID: 04301203.D GC Column: Rt-Alumina ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	1.03	Poor Chromatography	goodr	
Ethylene	1.36	Poor Chromatography	goodr	
Acetylene	1.40	Poor Chromatography	goodr	
Ethane	1.52	Poor Chromatography	goodr	
1,1,1-Trifluoroethane	2.23	Poor Chromatography	goodr	
Propene	3.10	Poor Chromatography	goodr	
Propane	3.34	Poor Chromatography	goodr	
Propane, 2-methyl	5.90	Poor Chromatography	goodr	
Butane	6.58	Poor Chromatography	goodr	
Pentane	9.80	Poor Chromatography	goodr	

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 117938

Lab Sample ID: IC 280-117938/2 Client Sample ID:

Date Analyzed: 05/02/12 07:20 Lab File ID: D0510.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

QMMS 5/10/12

Lab Sample ID: IC 280-117938/3 Client Sample ID:

Date Analyzed: 05/02/12 07:39 Lab File ID: D0511.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: IC 280-117938/4 Client Sample ID:

Date Analyzed: 05/02/12 07:57 Lab File ID: D0512.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: ICIS 280-117938/5 Client Sample ID:

Date Analyzed: 05/02/12 08:14 Lab File ID: D0513.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:30

Lab Sample ID: IC 280-117938/6 Client Sample ID:

Date Analyzed: 05/02/12 08:32 Lab File ID: D0514.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a-Dimethylphenethylamine	4.54	Split Peak	hoffmanm	05/02/12 10:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 117938

Lab Sample ID: ICV 280-117938/10 Client Sample ID:

Date Analyzed: 05/02/12 09:44 Lab File ID: D0518.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	4.65	Split Peak	hoffmanm	05/02/12 10:31

qws 5/10/12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 118050

Lab Sample ID: IC 280-118050/2 Client Sample ID:

Date Analyzed: 05/02/12 10:04 Lab File ID: D0519.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.48	Split Peak	hoffmanm	05/02/12 12:58

qms 5/10/12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 119099

Lab Sample ID: CCV 280-119099/5 Client Sample ID:

Date Analyzed: 05/08/12 10:42 Lab File ID: D0714.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	4.51	Split Peak	hoffmanm	05/08/12 11:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 119208

Lab Sample ID: CCV 280-119208/3 Client Sample ID:

Date Analyzed: 05/09/12 14:20 Lab File ID: D0756.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	4.51	Split Peak	hoffmanm	05/10/12 07:31

qMS 5/10/12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_F Analysis Batch Number: 118594

Lab Sample ID: 280-28131-F-4-A MS Client Sample ID:

Date Analyzed: 05/04/12 22:38 Lab File ID: F4201.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.94	Mis-Integrated	vasquezk	05/07/12 08:58

Lab Sample ID: 280-28076-1 Client Sample ID: MW02

Date Analyzed: 05/05/12 01:07 Lab File ID: F4206.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	21.01	Mis-Integrated	vasquezk	05/07/12 09:00

SAMPLE SUMMARY

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-28076-1	MW02	Water	04/22/2012 1545	04/24/2012 0900
280-28076-2	MW02 (UNPRESERVED)	Water	04/22/2012 1545	04/24/2012 0900

EXECUTIVE SUMMARY - Detections

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-28076-1	**MW02**					
Acetone		350		200	ug/L	8260B
Benzene		250		20	ug/L	8260B
Ethylbenzene		100		20	ug/L	8260B
Isopropylbenzene		11	J	20	ug/L	8260B
m-Xylene & p-Xylene		1000		40	ug/L	8260B
Naphthalene		7.2	J	20	ug/L	8260B
N-Propylbenzene		13	J	20	ug/L	8260B
o-Xylene		260		20	ug/L	8260B
tert-Butyl alcohol		6300		1000	ug/L	8260B
Toluene		690		20	ug/L	8260B
1,2,4-Trimethylbenzene		140		20	ug/L	8260B
1,3,5-Trimethylbenzene		86		20	ug/L	8260B
1,2,3-Trimethylbenzene		45		40	ug/L	8260B
Xylenes, Total		1300		40	ug/L	8260B
Bis(2-ethylhexyl) phthalate		3.6	J	10	ug/L	8270C
Benzoic acid		190		100	ug/L	8270C
Phenol		23		10	ug/L	8270C
2,4-Dimethylphenol		61		10	ug/L	8270C
3 & 4 Methylphenol		47		10	ug/L	8270C
2-Methylphenol		25		10	ug/L	8270C
Benzo[g,h,i]perylene		140	J B	400	ng/L	8270C SIM
Dibenz(a,h)anthracene		76	J B	400	ng/L	8270C SIM
Acenaphthylene		110	J	400	ng/L	8270C SIM
Indeno[1,2,3-cd]pyrene		65	J B	400	ng/L	8270C SIM
1-Methylnaphthalene		3500		400	ng/L	8270C SIM
2-Methylnaphthalene		6700		400	ng/L	8270C SIM
Gasoline Range Organics (GRO)-C6-C10		6800		500	ug/L	8015B
Methane		32000		90	ug/L	RSK-175
Propane		2200		10	ug/L	RSK-175
Ethane		4900		90	ug/L	RSK-175
Diesel Range Organics [C10-C28]		0.67		0.25	mg/L	8015B
Aluminum		1100		100	ug/L	6010B
Boron		110		100	ug/L	6010B
Calcium		35000		200	ug/L	6010B
Iron		4200		100	ug/L	6010B
Magnesium		220		200	ug/L	6010B
Lithium		26		10	ug/L	6010B
Potassium		17000		3000	ug/L	6010B
Phosphorus		18	J	3000	ug/L	6010B
Sodium		420000		1000	ug/L	6010B
Strontium		780		10	ug/L	6010B
Titanium		11		10	ug/L	6010B
SiO2, Silica		12000		500	ug/L	6010B
Antimony		0.88	J	2.0	ug/L	6020
Arsenic		2.9	J	5.0	ug/L	6020
Barium		170		1.0	ug/L	6020

EXECUTIVE SUMMARY - Detections

Client: U.S. Geological Survey Job Number: 280-28076-1

Lab Sample ID Client Sample ID Analyte	Result	Qualifier	Reporting Limit	Units	Method
Chromium	35		2.0	ug/L	6020
Cobalt	0.66	J	1.0	ug/L	6020
Copper	17		2.0	ug/L	6020
Lead	0.43	J	1.0	ug/L	6020
Manganese	33		1.0	ug/L	6020
Molybdenum	3.2		2.0	ug/L	6020
Nickel	21		2.0	ug/L	6020
Silver	0.53	J	5.0	ug/L	6020
Vanadium	5.2		5.0	ug/L	6020
Zinc	230		10	ug/L	6020
Ammonia	0.81	B	0.10	mg/L	350.1
Total Phosphorus	63	B	10	ug/L	365.1
Methylene Blue Active Substances	0.12	J	0.20	mg/l LAS MW 340	425.1
Chloride, Dissolved	520		60	mg/L	9056
Bromide, Dissolved	1.9		0.20	mg/L	9056
Sulfate, Dissolved	14		5.0	mg/L	9056
Fluoride, Dissolved	1.6		0.50	mg/L	9056
Total Inorganic Carbon - Quad	7.6		1.0	mg/L	9060
Total Organic Carbon - Average	13		1.0	mg/L	9060
Total Dissolved Solids	1100		20	mg/L	SM 2540C
Dissolved					
Dissolved Aluminum	700		100	ug/L	6010B
Dissolved Boron	110		100	ug/L	6010B
Dissolved Calcium	33000		200	ug/L	6010B
Dissolved Iron	400		100	ug/L	6010B
Dissolved Lithium	25		10	ug/L	6010B
Dissolved Magnesium	49	J	200	ug/L	6010B
Dissolved Potassium	15000		3000	ug/L	6010B
Dissolved Silicon	4700		500	ug/L	6010B
Dissolved Sodium	400000	B	1000	ug/L	6010B
Dissolved Strontium	780		10	ug/L	6010B
Dissolved Titanium	2.7	J	10	ug/L	6010B
Dissolved Antimony	1.3	J ^ B	2.0	ug/L	6020
Dissolved Arsenic	3.1	J	5.0	ug/L	6020
Dissolved Barium	150		1.0	ug/L	6020
Dissolved Chromium	4.5		2.0	ug/L	6020
Dissolved Cobalt	0.085	J B	1.0	ug/L	6020
Dissolved Copper	3.7		2.0	ug/L	6020
Dissolved Manganese	5.6		1.0	ug/L	6020
Dissolved Molybdenum	2.1		2.0	ug/L	6020
Dissolved Nickel	6.0		2.0	ug/L	6020
Dissolved Vanadium	2.1	J	5.0	ug/L	6020
Dissolved Zinc	49		10	ug/L	6020
Dissolved Phosphorus-Dissolved	65		10	ug/L	365.1
Dissolved Inorganic Carbon - Quad-Dissolved	4.6		1.0	mg/L	9060
Dissolved Organic Carbon - Quad-Dissolved	13		1.0	mg/L	9060

EXECUTIVE SUMMARY - Detections

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-28076-2	**MW02 (UNPRESERVED)**					
Acetone		450		200	ug/L	8260B
Benzene		260		20	ug/L	8260B
tert-Butyl alcohol		6300		1000	ug/L	8260B
Ethylbenzene		100		20	ug/L	8260B
Isopropylbenzene		12	J	20	ug/L	8260B
Naphthalene		7.9	J	20	ug/L	8260B
N-Propylbenzene		12	J	20	ug/L	8260B
Toluene		710		20	ug/L	8260B
1,2,3-Trimethylbenzene		46		40	ug/L	8260B
1,2,4-Trimethylbenzene		150		20	ug/L	8260B
1,3,5-Trimethylbenzene		91		20	ug/L	8260B
m-Xylene & p-Xylene		1000		40	ug/L	8260B
o-Xylene		250		20	ug/L	8260B
Xylenes, Total		1300		40	ug/L	8260B
Gasoline Range Organics (GRO)-C6-C10		7700		500	ug/L	8015B

METHOD SUMMARY

Client: U.S. Geological Survey | Job Number: 280-28076-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL DEN		SW846 3520C
Semivolatile Organic Compounds (GC/MS SIM)	TAL DEN	SW846 8270C SIM	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Gasoline Range Organics - (GC)	TAL DEN	SW846 8015B	
Purge and Trap	TAL DEN		SW846 5030B
Dissolved Gases (GC)	TAL DEN	RSK RSK-175	
Diesel Range Organics (DRO) (GC)	TAL DEN	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Total Metals	TAL DEN		SW846 3010A
Metals (ICP/MS)	TAL DEN	SW846 6020	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Metals (ICP/MS)	TAL DEN	SW846 6020	
Preparation, Total Metals	TAL DEN		SW846 3020A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A
Sample Filtration, Field			FIELD_FLTRD
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite	TAL DEN	MCAWW 353.2	
Phosphorus, Total (Low Level)	TAL DEN	EPA 365.1	
Phosphorus, Total	TAL DEN		MCAWW 365.2/365.3/365
Phosphorus, Total (Low Level)	TAL DEN	EPA 365.1	
Phosphorus, Total	TAL DEN		MCAWW 365.2/365.3/365
Sample Filtration, Field			FIELD_FLTRD
Anions, Ion Chromatography	TAL DEN	SW846 9056	
Organic Carbon, Dissolved (DOC)	TAL DEN	SW846 9060	
Sample Filtration, Field			FIELD_FLTRD
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
SW846 8015B Glycols	TAL AUS	SW846 8015	
Dissolved Gases (GC)	TAL PIT	RSK RSK-175	
Methylene Blue Active Substances (MBAS)	TAL SAV	EPA 425.1	

METHOD SUMMARY

Client: U.S. Geological Survey Job Number: 280-28076-1

Description	Lab Location	Method	Preparation Method

Lab References:

TAL AUS = TestAmerica Austin

TAL DEN = TestAmerica Denver

TAL PIT = TestAmerica Pittsburgh

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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.

METHOD / ANALYST SUMMARY

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method	Analyst	Analyst ID
SW846 8260B	Meier, Greg P	GPM
SW846 8270C	Hoffman, Michael G	MGH
SW846 8270C SIM	Vasquez, Karla G	KGV
SW846 8015B	Byl, Amelia M	AMB
RSK RSK-175	Good, Rob	RG
RSK RSK-175	Smith, Matthew P	MPS
SW846 8015B	Birdsell, Matthew R	MRB
SW846 6010B	Bowen, Heidi E	HEB
SW846 6010B	Harre, John K	JKH
SW846 6020	Trudell, Lynn-Anne	LT
SW846 7470A	Rawlings, Brendon L	BLR
MCAWW 350.1	Scott, Samantha J	SJS
MCAWW 353.2	Scott, Samantha J	SJS
EPA 365.1	Woolley, Mark	MW
EPA 425.1	Brantley, Willie	WB
SW846 9056	Kudla, Ewa	EK
SW846 9060	Elkin, David	DE
SM SM 2540C	Domnick, Brandon J	BJD

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P7073.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	04/27/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	350		38	200
Acrylonitrile	ND		28	400
Allyl chloride	ND		3.4	40
Benzene	250		3.2	20
Bromobenzene	ND		3.4	20
Bromochloromethane	ND		2.0	20
Bromodichloromethane	ND		3.4	20
Bromoform	ND		3.8	20
Bromomethane	ND		4.2	40
2-Butanone (MEK)	ND		40	120
Carbon disulfide	ND		9.0	40
Carbon tetrachloride	ND		3.8	20
Chlorobenzene	ND		3.4	20
Chlorodibromomethane	ND		3.4	20
Chloroethane	ND		8.2	40
Chloroform	ND		3.2	20
Chloromethane	ND		6.0	40
2-Chlorotoluene	ND		3.4	20
4-Chlorotoluene	ND		4.2	20
cis-1,2-Dichloroethene	ND		3.0	20
cis-1,3-Dichloropropene	ND		3.2	20
1,2-Dibromo-3-Chloropropane	ND		9.4	100
1,2-Dibromoethane	ND		3.6	20
Dibromomethane	ND		3.4	20
1,2-Dichlorobenzene	ND		3.0	20
1,3-Dichlorobenzene	ND		2.6	20
1,4-Dichlorobenzene	ND		3.2	20
Dichlorodifluoromethane	ND		6.2	40
1,1-Dichloroethane	ND		4.4	20
1,2-Dichloroethane	ND		2.6	20
1,1-Dichloroethene	ND		4.6	20
1,2-Dichloropropane	ND		3.6	20
1,3-Dichloropropane	ND		4.4	20
2,2-Dichloropropane	ND		3.6	20
1,1-Dichloropropene	ND		3.8	20
Diisopropyl ether	ND		15	200
Ethanol	ND		1900	6000
Ethylbenzene	100		3.2	20
Ethyl ether	ND		5.2	40
Ethyl tert-butyl ether	ND		24	100
Hexachlorobutadiene	ND		7.2	20
2-Hexanone	ND		34	100
Iodomethane	ND		4.6	20
Isobutanol	ND		730	2200
Isopropanol	ND		260	800
Isopropylbenzene	11	J	3.8	20

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P7073.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	04/27/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methacrylonitrile	ND		32	200
Methylene Chloride	ND		6.4	40
4-Methyl-2-pentanone (MIBK)	ND		20	100
Methyl tert-butyl ether	ND		5.0	100
m-Xylene & p-Xylene	1000		6.8	40
Naphthalene	7.2	J	4.4	20
n-Butanol	ND		340	1200
n-Butylbenzene	ND		6.4	20
N-Propylbenzene	13	J	3.2	20
o-Xylene	260		3.8	20
p-Isopropyltoluene	ND		4.0	20
sec-Butylbenzene	ND		3.4	20
Styrene	ND		3.4	20
Tert-amyl methyl ether	ND		28	100
tert-Butyl alcohol	6300		220	1000
tert-Butylbenzene	ND		3.2	20
1,1,1,2-Tetrachloroethane	ND		4.2	20
1,1,2,2-Tetrachloroethane	ND		4.2	20
Tetrachloroethene	ND		4.0	20
Toluene	690		3.4	20
trans-1,2-Dichloroethene	ND		3.0	20
trans-1,3-Dichloropropene	ND		3.8	60
1,2,3-Trichlorobenzene	ND		4.2	20
1,2,4-Trichlorobenzene	ND		4.2	20
1,1,1-Trichloroethane	ND		3.2	20
1,1,2-Trichloroethane	ND		5.4	20
Trichloroethene	ND		3.2	20
Trichlorofluoromethane	ND		5.8	40
1,2,3-Trichloropropane	ND		6.6	50
1,2,4-Trimethylbenzene	140		3.0	20
1,3,5-Trimethylbenzene	86		3.2	20
1,2,3-Trimethylbenzene	45		5.4	40
Vinyl chloride	ND		2.0	20
Xylenes, Total	1300		3.8	40

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	99		77 - 120
1,2-Dichloroethane-d4 (Surr)	96		70 - 127
Toluene-d8 (Surr)	98		80 - 125

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P7073.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	04/27/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1259				

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
111-76-2	2-Butoxy-ethanol	0.00	ND	J N
74-98-6	Propane	4.13	1000	T J N
75-28-5	Isobutane	4.36	980	T J N
	Unknown	4.47	60	T J
	Unknown	4.55	610	T J
78-78-4	Butane, 2-methyl-	5.04	80	T J N
	Unknown alkane	5.10	240	T J N
109-66-0	Pentane	5.28	110	T J N
598-61-8	Cyclobutane, methyl-	6.20	54	T J N
110-54-3	Hexane	6.47	13	J
	Unknown	7.04	91	T J
110-82-7	Cyclohexane	7.59	200	
108-87-2	Methylcyclohexane	8.44	95	
	Benzene, ethyl-methyl-	11.33	170	T J N
	Benzene, ethyl-methyl-	11.61	46	T J N

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02 (UNPRESERVED)**

Lab Sample ID: 280-28076-2
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P7072.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	04/27/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	450		38	200
Acrylonitrile	ND		28	400
Benzene	260		3.2	20
Bromobenzene	ND		3.4	20
Bromochloromethane	ND		2.0	20
Bromodichloromethane	ND		3.4	20
Bromoform	ND		3.8	20
Bromomethane	ND		4.2	40
n-Butanol	ND		340	1200
2-Butanone (MEK)	ND		40	120
tert-Butyl alcohol	6300		220	1000
n-Butylbenzene	ND		6.4	20
sec-Butylbenzene	ND		3.4	20
tert-Butylbenzene	ND		3.2	20
Carbon disulfide	ND		9.0	40
Carbon tetrachloride	ND		3.8	20
Chlorobenzene	ND		3.4	20
Chlorodibromomethane	ND		3.4	20
Chloroethane	ND		8.2	40
Chloroform	ND		3.2	20
Chloromethane	ND		6.0	40
Allyl chloride	ND		3.4	40
2-Chlorotoluene	ND		3.4	20
4-Chlorotoluene	ND		4.2	20
1,2-Dibromo-3-Chloropropane	ND		9.4	100
Dibromomethane	ND		3.4	20
1,2-Dichlorobenzene	ND		3.0	20
1,3-Dichlorobenzene	ND		2.6	20
1,4-Dichlorobenzene	ND		3.2	20
Dichlorodifluoromethane	ND		6.2	40
1,1-Dichloroethane	ND		4.4	20
1,2-Dichloroethane	ND		2.6	20
cis-1,2-Dichloroethene	ND		3.0	20
trans-1,2-Dichloroethene	ND		3.0	20
1,1-Dichloroethene	ND		4.6	20
1,2-Dichloropropane	ND		3.6	20
1,3-Dichloropropane	ND		4.4	20
2,2-Dichloropropane	ND		3.6	20
cis-1,3-Dichloropropene	ND		3.2	20
trans-1,3-Dichloropropene	ND		3.8	60
1,1-Dichloropropene	ND		3.8	20
Ethanol	ND		1900	6000
Tert-amyl methyl ether	ND		28	100
Ethyl tert-butyl ether	ND		24	100
Ethylbenzene	100		3.2	20
Ethyl ether	ND		5.2	40

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02 (UNPRESERVED)**

Lab Sample ID: 280-28076-2 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P7072.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	04/27/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobutadiene	ND		7.2	20
2-Hexanone	ND		34	100
Iodomethane	ND		4.6	20
Isobutanol	ND		730	2200
Isopropanol	ND		260	800
Isopropylbenzene	12	J	3.8	20
Diisopropyl ether	ND		15	200
p-Isopropyltoluene	ND		4.0	20
Methacrylonitrile	ND		32	200
Methylene Chloride	ND		6.4	40
4-Methyl-2-pentanone (MIBK)	ND		20	100
Methyl tert-butyl ether	ND		5.0	100
Naphthalene	7.9	J	4.4	20
N-Propylbenzene	12	J	3.2	20
Styrene	ND		3.4	20
1,1,1,2-Tetrachloroethane	ND		4.2	20
1,1,2,2-Tetrachloroethane	ND		4.2	20
Tetrachloroethene	ND		4.0	20
Toluene	710		3.4	20
1,2,3-Trichlorobenzene	ND		4.2	20
1,2,4-Trichlorobenzene	ND		4.2	20
1,1,1-Trichloroethane	ND		3.2	20
1,1,2-Trichloroethane	ND		5.4	20
Trichloroethene	ND		3.2	20
Trichlorofluoromethane	ND		5.8	40
1,2,3-Trichloropropane	ND		6.6	50
1,2,3-Trimethylbenzene	46		5.4	40
1,2,4-Trimethylbenzene	150		3.0	20
1,3,5-Trimethylbenzene	91		3.2	20
Vinyl chloride	ND		2.0	20
m-Xylene & p-Xylene	1000		6.8	40
o-Xylene	250		3.8	20
Xylenes, Total	1300		3.8	40
1,2-Dibromoethane	ND		3.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	96		77 - 120

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02 (UNPRESERVED)**

Lab Sample ID: 280-28076-2 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P7072.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	04/27/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1239				

Tentatively Identified Compounds **Number TIC's Found:** 14

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
74-98-6	Propane	4.13	1200	T J N
75-28-5	Isobutane	4.37	1200	T J N
106-97-8	Butane	4.55	680	T J N
78-78-4	Butane, 2-methyl-	5.06	120	T J N
	Unknown Alkane	5.11	290	T J N
109-66-0	Pentane	5.29	140	T J N
109-67-1	1-Pentene	6.20	55	T J N
110-54-3	Hexane	6.47	18	J
	Unknown	7.04	98	T J
110-82-7	Cyclohexane	7.59	210	
108-87-2	Methylcyclohexane	8.44	100	
	Benzene, ethyl-methyl-	11.33	170	T J N
	Benzene, ethyl-methyl-	11.61	48	T J N
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	12.31	25	T J N

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-117171	Lab File ID:	D0732.D
Dilution:	1.0			Initial Weight/Volume:	999.2 mL
Analysis Date:	05/08/2012 1609			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aniline	ND		2.0	10
Benzyl alcohol	ND		0.23	10
Bis(2-chloroethoxy)methane	ND		0.97	10
Bis(2-chloroethyl)ether	ND		0.41	10
Bis(2-ethylhexyl) phthalate	3.6	J	0.56	10
Butyl benzyl phthalate	ND		1.0	4.0
Dibenzofuran	ND		0.29	4.0
Diethyl phthalate	ND		0.38	4.0
Dimethyl phthalate	ND		0.21	4.0
Di-n-butyl phthalate	ND		1.2	4.0
Di-n-octyl phthalate	ND		0.35	4.0
Diphenylamine	ND		1.1	10
Hexachlorobenzene	ND		0.66	10
Hexachlorocyclopentadiene	ND		10	50
Hexachloroethane	ND		2.1	10
Isophorone	ND		0.21	10
Nitrobenzene	ND		0.81	10
N-Nitrosodimethylamine	ND		0.29	10
N-Nitrosodi-n-propylamine	ND		0.35	10
Pentachlorophenol	ND		20	50
Phenol	23		2.0	10
Pyridine	ND		1.7	20
1,3-Dinitrobenzene	ND		2.0	10
2,3,4,6-Tetrachlorophenol	ND		2.0	50
2,4,5-Trichlorophenol	ND		0.45	10
2,4,6-Trichlorophenol	ND		0.29	10
2,4-Dichlorophenol	ND		0.64	10
2,4-Dimethylphenol	61		0.58	10
2,4-Dinitrophenol	ND		10	30
2,4-Dinitrotoluene	ND		1.7	10
2,6-Dinitrotoluene	ND		1.9	10
1,4-Dinitrobenzene	ND		2.0	10
2-Chloronaphthalene	ND		0.26	4.0
2-Chlorophenol	ND		2.0	10
3 & 4 Methylphenol	47		0.25	10
3,3'-Dichlorobenzidine	ND		2.0	50
3-Nitroaniline	ND		2.0	10
4,6-Dinitro-2-methylphenol	ND		4.0	50
2-Methylphenol	25		0.98	10
2-Nitroaniline	ND		1.7	10
2-Nitrophenol	ND		0.39	10
4-Bromophenyl phenyl ether	ND		0.43	10
4-Chloro-3-methylphenol	ND		2.4	10
4-Chloroaniline	ND		2.1	10
4-Chlorophenyl phenyl ether	ND		1.7	10
4-Nitroaniline	ND		2.0	10

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-117171	Lab File ID:	D0732.D
Dilution:	1.0			Initial Weight/Volume:	999.2 mL
Analysis Date:	05/08/2012 1609			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Nitrophenol	ND		1.2	10
Azobenzene	ND		0.23	4.0
Carbazole	ND		0.43	4.0
bis (2-chloroisopropyl) ether	ND		0.28	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	93		51 - 120
Phenol-d5	100		51 - 120
Nitrobenzene-d5	88		48 - 120
2-Fluorobiphenyl	83		38 - 120
Terphenyl-d14	109		50 - 120

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-117171	Lab File ID:	D0732.D
Dilution:	1.0			Initial Weight/Volume:	999.2 mL
Analysis Date:	05/08/2012 1609			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL

Tentatively Identified Compounds **Number TIC's Found:** **18**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
590-36-3	2-Pentanol, 2-methyl-	1.67	86	T J N
	Unknown	1.79	57	T J
108-88-3	Toluene	1.89	190	T J N
	Unknown	2.03	23	T J
	Unknown	2.25	37	T J
	Unknown	2.32	25	T J
100-41-4	Ethylbenzene	2.48	42	T J N
	Unknown	2.65	26	T J
108-38-3	Benzene, 1,3-dimethyl-	2.70	110	T J N
590-67-0	Cyclohexanol, 1-methyl-	2.73	61	T J N
	Unknown	2.90	22	T J
591-23-1	Cyclohexanol, 3-methyl-	3.06	30	T J N
620-14-4	Benzene, 1-ethyl-3-methyl-	3.15	38	T J N
108-67-8	Benzene, 1,3,5-trimethyl-	3.39	80	T J N
526-73-8	Benzene, 1,2,3-trimethyl-	3.58	25	T J N
118-90-1	Benzoic acid, 2-methyl-	4.93	38	T J N
	Unknown	5.12	44	T J
	Unknown	9.33	180	T J

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-119208	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-117171	Lab File ID:	D0762.D
Dilution:	4.0			Initial Weight/Volume:	999.2 mL
Analysis Date:	05/09/2012 1621	Run Type:	DL	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzoic acid	190		40	100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	78	D	51 - 120
Phenol-d5	86	D	51 - 120
Nitrobenzene-d5	87	D	48 - 120
2-Fluorobiphenyl	83	D	38 - 120
Terphenyl-d14	96	D	50 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-119208	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-117171	Lab File ID:	D0762.D
Dilution:	4.0			Initial Weight/Volume:	999.2 mL
Analysis Date:	05/09/2012 1621	Run Type:	DL	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL

Tentatively Identified Compounds **Number TIC's Found:** **20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.65	170	T J
	Unknown	1.77	76	T J
108-88-3	Toluene	1.87	350	T J N
	Unknown	1.97	44	T J
	Unknown	2.23	83	T J
595-41-5	3-Pentanol, 2,3-dimethyl-	2.31	32	T J N
100-41-4	Ethylbenzene	2.47	92	T J N
	Unknown	2.65	61	T J
108-38-3	Benzene, 1,3-dimethyl-	2.69	180	T J N
590-67-0	Cyclohexanol, 1-methyl-	2.73	110	T J N
591-23-1	Cyclohexanol, 3-methyl-	3.05	64	T J N
620-14-4	Benzene, 1-ethyl-3-methyl-	3.15	58	T J N
	Benzene, ethyl-methyl-	3.28	32	T J N
526-73-8	Benzene, 1,2,3-trimethyl-	3.38	140	T J N
	Benzene, ethyl-methyl-	3.58	44	T J N
	Unknown	4.90	32	T J
103-82-2	Benzeneacetic acid	4.92	33	T J N
99-04-7	Benzoic acid, 3-methyl-	5.02	67	T J N
	Unknown	5.08	33	T J
	Unknown	9.34	41	T J

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	280-118594	Instrument ID:	MSS_F
Prep Method:	3510C	Prep Batch:	280-117187	Lab File ID:	F4206.D
Dilution:	4.0			Initial Weight/Volume:	992.7 mL
Analysis Date:	05/05/2012 0107			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL

Analyte	Result (ng/L)	Qualifier	MDL	RL
Benzo[b]fluoranthene	ND		14	400
Benzo[a]pyrene	ND		21	400
Benzo[a]anthracene	ND		13	400
Benzo[k]fluoranthene	ND		20	400
Benzo[g,h,i]perylene	140	J B	14	400
Phenanthrene	ND		39	400
Anthracene	ND		57	400
Dibenz(a,h)anthracene	76	J B	19	400
Chrysene	ND		13	400
Acenaphthene	ND		44	400
Acenaphthylene	110	J	40	400
Fluoranthene	ND		18	400
Fluorene	ND		76	400
Pyrene	ND		33	400
Indeno[1,2,3-cd]pyrene	65	J B	59	400
1-Methylnaphthalene	3500		23	400
2-Methylnaphthalene	6700		21	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	72	D	42 - 120
Nitrobenzene-d5	154	D	43 - 120
Terphenyl-d14	85	D	47 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	280-117914	Instrument ID:	GCV_K
Prep Method:	5030B		N/A	Initial Weight/Volume:	0.25 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	05/01/2012 1831			Injection Volume:	5 mL
Prep Date:	05/01/2012 1831			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	6800		200	500

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	96		82 - 110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02 (UNPRESERVED)**

Lab Sample ID: 280-28076-2
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	280-117506	Instrument ID:	GCV_B
Prep Method:	5030B		N/A	Initial Weight/Volume:	0.25 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/27/2012 1510			Injection Volume:	5 mL
Prep Date:	04/27/2012 1510			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	7700		200	500

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	117	X	82 - 110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

RSK-175 Dissolved Gases (GC)

Analysis Method:	RSK-175	Analysis Batch:	280-117933	Instrument ID:	GCV_J
	N/A		N/A	Initial Weight/Volume:	18 mL
Dilution:	18			Final Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1552			Injection Volume:	
Prep Date:	N/A			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	32000		3.9	90
Ethylene	ND		7.2	90
Ethane	4900		10	90

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

RSK-175 Dissolved Gases (GC)

Analysis Method:	RSK-175	Analysis Batch:	280-117933	Instrument ID:	GCV_J
	N/A		N/A	Initial Weight/Volume:	18 mL
Dilution:	18			Final Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1552			Injection Volume:	
Prep Date:	N/A			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	32000		3.9	90
Ethylene	ND		7.2	90

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

RSK-175 Dissolved Gases (GC)

Analysis Method:	RSK-175	Analysis Batch:	180-34676	Instrument ID:	RSK
	N/A		N/A	Initial Weight/Volume:	12 mL
Dilution:	2.0			Final Weight/Volume:	12 mL
Analysis Date:	04/30/2012 1448			Injection Volume:	
Prep Date:	N/A			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL	RL
Propane	2200		10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1-Trifluoroethane	89		40 - 150

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

8015B Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B	Analysis Batch:	280-119005	Instrument ID:	GCS_U2
Prep Method:	3510C	Prep Batch:	280-117191	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	1000 uL
Analysis Date:	05/03/2012 0739			Injection Volume:	1 uL
Prep Date:	04/26/2012 1700			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	0.67		0.033	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		50 - 115

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-118834	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0858			Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Boron	110		4.4	100
Calcium	35000		35	200
Magnesium	220		11	200
Lithium	26		2.6	10
Potassium	17000		240	3000
Phosphorus	18	J	14	3000
Sodium	420000		92	1000
Strontium	780		0.30	10
Titanium	11		0.60	10
SiO2, Silica	12000		74	500

Analysis Method:	6010B	Analysis Batch:	280-118969	Instrument ID:	MT_026
Prep Method:	3010A	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1702			Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	1100		18	100
Iron	4200		22	100

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	280-117859	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-117184	Lab File ID:	25A5050112.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 0204			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dissolved Aluminum	700		18	100
Dissolved Boron	110		4.4	100
Dissolved Calcium	33000		35	200
Dissolved Iron	400		22	100
Dissolved Lithium	25		2.6	10
Dissolved Magnesium	49	J	11	200
Dissolved Potassium	15000		240	3000
Dissolved Silicon	4700		35	500
Dissolved Sodium	400000	B	92	1000
Dissolved Strontium	780		0.30	10
Dissolved Titanium	2.7	J	0.60	10

Client: U.S. Geological Survey

Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1
Client Matrix: Water

Date Sampled: 04/22/2012 1545
Date Received: 04/24/2012 0900

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-118058	Instrument ID:	MT_077
Prep Method:	3020A	Prep Batch:	280-117181	Lab File ID:	139SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1829			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.88	J	0.40	2.0
Arsenic	2.9	J	0.33	5.0
Barium	170		0.29	1.0
Beryllium	ND		0.080	1.0
Cadmium	ND		0.10	1.0
Chromium	35		0.50	2.0
Cobalt	0.66	J	0.054	1.0
Copper	17		0.56	2.0
Lead	0.43	J	0.18	1.0
Manganese	33		0.31	1.0
Molybdenum	3.2		0.14	2.0
Nickel	21		0.30	2.0
Selenium	ND		0.70	5.0
Silver	0.53	J	0.033	5.0
Thallium	ND		0.050	1.0
Uranium	ND		0.050	1.0
Vanadium	5.2		0.50	5.0
Zinc	230		2.0	10

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	280-117880	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-117185	Lab File ID:	023SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1448			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dissolved Antimony	1.3	J ^ B	0.40	2.0
Dissolved Arsenic	3.1	J	0.33	5.0
Dissolved Barium	150		0.29	1.0
Dissolved Beryllium	ND		0.080	1.0
Dissolved Cadmium	ND		0.10	1.0
Dissolved Chromium	4.5		0.50	2.0
Dissolved Cobalt	0.085	J B	0.054	1.0
Dissolved Copper	3.7		0.56	2.0
Dissolved Lead	ND		0.18	1.0
Dissolved Manganese	5.6		0.31	1.0
Dissolved Molybdenum	2.1		0.14	2.0
Dissolved Nickel	6.0		0.30	2.0
Dissolved Selenium	ND		0.70	5.0
Dissolved Silver	ND		0.033	5.0
Dissolved Thallium	ND		0.050	1.0
Dissolved Uranium	ND		0.050	1.0
Dissolved Vanadium	2.1	J	0.50	5.0

Client: U.S. Geological Survey | Job Number: 280-28076-1

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 | Date Sampled: 04/22/2012 1545
Client Matrix: Water | Date Received: 04/24/2012 0900

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	280-117880	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-117185	Lab File ID:	037SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1530			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dissolved Zinc	49		2.0	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-117332	Lab File ID:	120503aa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1836			Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.027	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-117333	Lab File ID:	120503aa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1809			Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury, Dissolved	ND		0.027	0.20

General Chemistry

Client Sample ID: **MW02**

Lab Sample ID: 280-28076-1 Date Sampled: 04/22/2012 1545
Client Matrix: Water Date Received: 04/24/2012 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.81	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-119085	Analysis Date: 05/09/2012 1313						
Nitrate Nitrite as N	ND		mg/L	0.019	0.10	1.0	353.2
Analysis Batch: 280-119089	Analysis Date: 05/09/2012 1313						
Dissolved Phosphorus-Dissolved	65		ug/L	1.8	10	2.0	365.1
Analysis Batch: 280-119513	Analysis Date: 05/11/2012 1556						
Prep Batch: 280-119077	Prep Date: 05/08/2012 1900						
Total Phosphorus	63	B	ug/L	1.8	10	2.0	365.1
Analysis Batch: 280-119513	Analysis Date: 05/11/2012 1554						
Prep Batch: 280-119081	Prep Date: 05/08/2012 1900						
Methylene Blue Active Substances	0.12	J	mg/l LAS MW 340	0.12	0.20	1.0	425.1
Analysis Batch: 680-235205	Analysis Date: 04/24/2012 1304						
Chloride, Dissolved	520		mg/L	5.1	60	20	9056
Analysis Batch: 280-117895	Analysis Date: 05/01/2012 1849						
Bromide, Dissolved	1.9		mg/L	0.11	0.20	1.0	9056
Analysis Batch: 280-117895	Analysis Date: 05/01/2012 1539						
Sulfate, Dissolved	14		mg/L	0.23	5.0	1.0	9056
Analysis Batch: 280-117895	Analysis Date: 05/01/2012 1539						
Fluoride, Dissolved	1.6		mg/L	0.060	0.50	1.0	9056
Analysis Batch: 280-117895	Analysis Date: 05/01/2012 1539						
Dissolved Inorganic Carbon - Quad-Dissolved	4.6		mg/L	0.16	1.0	1.0	9060
Analysis Batch: 280-119515	Analysis Date: 05/11/2012 0835						
Total Inorganic Carbon - Quad	7.6		mg/L	0.16	1.0	1.0	9060
Analysis Batch: 280-119489	Analysis Date: 05/11/2012 1143						
Dissolved Organic Carbon - Quad-Dissolved	13		mg/L	0.16	1.0	1.0	9060
Analysis Batch: 280-118784	Analysis Date: 05/07/2012 2058						
Total Organic Carbon - Average	13		mg/L	0.16	1.0	1.0	9060
Analysis Batch: 280-118783	Analysis Date: 05/07/2012 1849						
Total Dissolved Solids	1100		mg/L	9.4	20	1.0	SM 2540C
Analysis Batch: 280-117267	Analysis Date: 04/27/2012 0851						

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-28076-1	MW02	99	96	98	91
280-28076-2	MW02 (UNPRESERVED)	96	95	94	90
MB 280-117414/10		101	102	95	100
LCS 280-117414/5		97	93	95	91
LCS 280-117414/8		96	96	95	92
LCSD 280-117414/6		100	95	96	91
LCSD 280-117414/9		100	96	95	92
280-28131-E-12 MS		91	96	97	88
280-28131-E-12 MSD		90	92	98	91

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TPH %Rec
280-28076-1	MW02	93	100	88	83	109
280-28076-1 DL	MW02 DL	78D	86D	87D	83D	96D
MB 280-117171/1-A		88	93	87	71	100
LCS 280-117171/2-A		93	99	99	88	101
LCS 280-117171/2-A DL		87	92	97	83	97
LCSD 280-117171/3-A		87	94	93	72	98
LCSD 280-117171/3-A DL		86	90	93	75	92
280-28131-B-4-A MS		84	92	90	90	99
280-28131-B-4-A MS DL		90	97	100	93	106
280-28131-S-4-A MSD		86	92	90	85	95
280-28131-S-4-A MSD DL		78	80	84	75	91

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	51-120
PHL = Phenol-d5	51-120
NBZ = Nitrobenzene-d5	48-120
FBP = 2-Fluorobiphenyl	38-120
TPH = Terphenyl-d14	50-120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
280-28076-1	MW02	154D	72D	85D
MB 280-117187/1-A		93	92	100
LCS 280-117187/2-A		94	92	102
280-28131-F-4-A MS		85	83	96
280-28131-R-4-G MSD		65	66	95

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	43-120
FBP = 2-Fluorobiphenyl	42-120
TPH = Terphenyl-d14	47-120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec	TFT2 %Rec
280-28076-1	MW02		96
280-28076-2	MW02 (UNPRESERVED)	117X	
MB 280-117506/5		89	
MB 280-117914/5			96
LCS 280-117506/3		91	
LCS 280-117914/3			109
LCSD 280-117506/4		94	
LCSD 280-117914/4			109
280-28131-A-12 MS		0X	
280-28131-BN-4 MS			105
280-28131-A-12 MSD		0X	
280-28131-BN-4 MSD			102

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	82-110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH2 %Rec
280-28076-1	MW02	70
MB 280-117191/1-A		72
LCS 280-117191/2-A		83
LCSD 280-117191/3-A		80
280-28131-C-4-A MS		87
280-28131-E-4-A MSD		79

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-115

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate Recovery Report

RSK-175 Dissolved Gases (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFE1 %Rec
280-28076-1	MW02	85
280-28076-1	MW02	89
MB 180-34676/2		86
LCS 180-34676/3		95
LCSD 180-34676/4		92
280-28131-H-4 MS		85
280-28131-B-12 MS		84
280-28131-H-4 MSD		88
280-28131-B-12 MSD		94

Surrogate	Acceptance Limits
TFE = 1,1,1-Trifluoroethane	40-150

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117414

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-117414/10	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7068.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1122	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1122				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.9	10
Acrylonitrile	ND		1.4	20
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Bromochloromethane	ND		0.10	1.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
2-Butanone (MEK)	ND		2.0	6.0
Carbon disulfide	ND		0.45	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chlorodibromomethane	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
Allyl chloride	ND		0.17	2.0
2-Chlorotoluene	ND		0.17	1.0
4-Chlorotoluene	ND		0.21	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0
Dibromomethane	ND		0.17	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
Dichlorodifluoromethane	ND		0.31	2.0
1,1-Dichloroethane	ND		0.22	1.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichloropropane	ND		0.22	1.0
2,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
1,1-Dichloropropene	ND		0.19	1.0
Ethanol	ND		94	300
Ethyl tert-butyl ether	ND		1.2	5.0
Ethylbenzene	ND		0.16	1.0
Ethyl ether	ND		0.26	2.0
Hexachlorobutadiene	ND		0.36	1.0
2-Hexanone	ND		1.7	5.0
Iodomethane	ND		0.23	1.0
Isobutanol	ND		37	110
Isopropanol	ND		13	40
Isopropylbenzene	ND		0.19	1.0
Diisopropyl ether	ND		0.74	10

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117414

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-117414/10	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7068.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1122	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1122				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methacrylonitrile	ND		1.6	10
Methylene Chloride	ND		0.32	2.0
n-Butanol	ND		17	60
n-Butylbenzene	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	5.0
Methyl tert-butyl ether	ND		0.25	5.0
Naphthalene	ND		0.22	1.0
N-Propylbenzene	ND		0.16	1.0
p-Isopropyltoluene	ND		0.20	1.0
sec-Butylbenzene	ND		0.17	1.0
Styrene	ND		0.17	1.0
Tert-amyl methyl ether	ND		1.4	5.0
tert-Butyl alcohol	ND		11	50
tert-Butylbenzene	ND		0.16	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
m-Xylene & p-Xylene	ND		0.34	2.0
1,1,2-Trichloroethane	ND		0.27	1.0
o-Xylene	ND		0.19	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
1,2,3-Trichloropropane	ND		0.33	2.5
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,2-Dibromoethane	ND		0.18	1.0
1,2,3-Trimethylbenzene	ND		0.27	2.0
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 127
Toluene-d8 (Surr)	95	80 - 125
4-Bromofluorobenzene (Surr)	100	78 - 120
Dibromofluoromethane (Surr)	101	77 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank TICs- Batch: 280-117414

Cas Number	Analyte	RT	Est. Result	Qual
556-67-2	Cyclotetrasiloxane, octamethyl-	10.93	58.2	T J N
	Unknown	12.53	18.3	T J
	Unknown	14.69	3.04	T J

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117414/5	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7062.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 0922	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 0922				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117414/6	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 0942	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 0942				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	104	106	50 - 156	2	41		
Benzene	92	94	74 - 135	3	20		
Bromobenzene	85	89	74 - 135	4	20		
Bromochloromethane	93	102	70 - 135	9	20		
Bromodichloromethane	107	112	73 - 135	5	20		
Bromoform	101	100	62 - 135	1	21		
Bromomethane	113	110	38 - 150	3	24		
2-Butanone (MEK)	125	128	44 - 150	2	32		
Carbon disulfide	62	68	34 - 150	10	20		
Carbon tetrachloride	111	115	67 - 135	4	21		
Chlorobenzene	88	92	76 - 135	4	20		
Chlorodibromomethane	100	105	68 - 135	5	20		
Chloroethane	116	118	46 - 147	2	25		
Chloroform	101	107	76 - 120	6	20		
Chloromethane	122	126	34 - 145	3	24		
2-Chlorotoluene	86	89	72 - 135	4	20		
4-Chlorotoluene	86	87	74 - 135	2	20		
1,2-Dibromo-3-Chloropropane	100	104	65 - 150	4	22	J	
Dibromomethane	97	101	72 - 135	5	20		
1,2-Dichlorobenzene	88	92	75 - 135	4	20		
1,3-Dichlorobenzene	88	92	74 - 135	5	20		
1,4-Dichlorobenzene	89	92	75 - 135	3	23		
Dichlorodifluoromethane	104	105	28 - 152	1	24		
1,1-Dichloroethane	97	102	75 - 135	5	21		
1,2-Dichloroethane	113	120	70 - 135	6	20		
cis-1,2-Dichloroethene	91	96	73 - 135	5	20		
1,1-Dichloroethene	93	99	71 - 136	7	20		
1,2-Dichloropropane	87	92	71 - 120	5	20		
1,3-Dichloropropane	94	93	70 - 135	1	20		
2,2-Dichloropropane	105	109	67 - 135	4	24		
cis-1,3-Dichloropropene	90	94	66 - 135	4	20		
1,1-Dichloropropene	91	96	69 - 135	6	21		
Ethylbenzene	89	91	72 - 120	3	26		
Hexachlorobutadiene	89	90	61 - 135	1	25		
2-Hexanone	96	95	47 - 150	1	25		
Isopropylbenzene	83	89	75 - 135	7	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117414/5	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7062.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 0922	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 0922				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117414/6	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 0942	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 0942				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methylene Chloride	97	105	54 - 141	8	20		
4-Methyl-2-pentanone (MIBK)	96	97	53 - 150	0	22		
n-Butylbenzene	87	89	67 - 135	3	21		
Methyl tert-butyl ether	85	86	46 - 135	1	21	J	J
Naphthalene	78	82	48 - 135	5	32		
N-Propylbenzene	82	87	69 - 135	6	20		
p-Isopropyltoluene	85	88	68 - 135	3	20		
sec-Butylbenzene	89	90	68 - 135	0	21		
Styrene	88	93	68 - 135	5	20		
tert-Butylbenzene	86	90	70 - 135	4	21		
1,1,1,2-Tetrachloroethane	97	103	73 - 135	5	20		
1,1,2,2-Tetrachloroethane	93	92	66 - 135	0	20		
Tetrachloroethene	90	93	70 - 135	3	20		
Toluene	92	95	73 - 120	3	20		
trans-1,2-Dichloroethene	92	97	75 - 135	6	24		
trans-1,3-Dichloropropene	97	101	68 - 135	4	20		
1,2,3-Trichlorobenzene	85	90	60 - 135	6	29		
1,2,4-Trichlorobenzene	87	90	64 - 135	3	25		
1,1,1-Trichloroethane	103	107	70 - 135	4	20		
1,1,2-Trichloroethane	95	99	73 - 135	5	21		
m-Xylene & p-Xylene	89	90	74 - 135	1	20		
o-Xylene	87	90	73 - 135	3	20		
Trichloroethene	93	98	73 - 135	5	20		
Trichlorofluoromethane	117	114	47 - 150	3	20		
1,2,3-Trichloropropane	90	101	68 - 135	11	23		
1,2,4-Trimethylbenzene	88	90	72 - 135	3	20		
1,2-Dibromoethane	92	90	71 - 135	2	20		
1,3,5-Trimethylbenzene	87	90	70 - 135	3	20		
Vinyl chloride	114	116	40 - 144	2	24		
Xylenes, Total	89	90	75 - 135	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	95	70 - 127
Toluene-d8 (Surr)	95	96	80 - 125
4-Bromofluorobenzene (Surr)	91	91	78 - 120
Dibromofluoromethane (Surr)	97	100	77 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117414/8	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7066.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1042	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1042				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117414/9	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7067.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1102	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1102				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Isopropanol	69	82	50 - 150	17	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	96	70 - 127
Toluene-d8 (Surr)	95	95	80 - 125
4-Bromofluorobenzene (Surr)	92	92	78 - 120
Dibromofluoromethane (Surr)	96	100	77 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117414/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117414/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/27/2012 0922			Analysis Date:	04/27/2012 0942
Prep Date:	04/27/2012 0922			Prep Date:	04/27/2012 0942
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Acetone	80.0	80.0	83.2		85.1
Benzene	5.00	5.00	4.58		4.70
Bromobenzene	5.00	5.00	4.27		4.43
Bromochloromethane	5.00	5.00	4.66		5.08
Bromodichloromethane	5.00	5.00	5.33		5.58
Bromoform	5.00	5.00	5.05		5.02
Bromomethane	5.00	5.00	5.64		5.48
2-Butanone (MEK)	20.0	20.0	25.1		25.6
Carbon disulfide	5.00	5.00	3.08		3.39
Carbon tetrachloride	5.00	5.00	5.54		5.74
Chlorobenzene	5.00	5.00	4.41		4.61
Chlorodibromomethane	5.00	5.00	4.98		5.25
Chloroethane	5.00	5.00	5.80		5.90
Chloroform	5.00	5.00	5.05		5.37
Chloromethane	5.00	5.00	6.09		6.28
2-Chlorotoluene	5.00	5.00	4.28		4.46
4-Chlorotoluene	5.00	5.00	4.28		4.36
1,2-Dibromo-3-Chloropropane	5.00	5.00	4.99	J	5.19
Dibromomethane	5.00	5.00	4.84		5.07
1,2-Dichlorobenzene	5.00	5.00	4.40		4.61
1,3-Dichlorobenzene	5.00	5.00	4.38		4.60
1,4-Dichlorobenzene	5.00	5.00	4.46		4.62
Dichlorodifluoromethane	5.00	5.00	5.18		5.23
1,1-Dichloroethane	5.00	5.00	4.85		5.09
1,2-Dichloroethane	5.00	5.00	5.67		6.01
cis-1,2-Dichloroethene	5.00	5.00	4.56		4.79
1,1-Dichloroethene	5.00	5.00	4.63		4.97
1,2-Dichloropropane	5.00	5.00	4.36		4.58
1,3-Dichloropropane	5.00	5.00	4.68		4.64
2,2-Dichloropropane	5.00	5.00	5.25		5.46
cis-1,3-Dichloropropene	5.00	5.00	4.48		4.68
1,1-Dichloropropene	5.00	5.00	4.53		4.79
Ethylbenzene	5.00	5.00	4.44		4.57
Hexachlorobutadiene	5.00	5.00	4.45		4.51
2-Hexanone	20.0	20.0	19.2		19.0
Isopropylbenzene	5.00	5.00	4.17		4.46
Methylene Chloride	5.00	5.00	4.87		5.26
4-Methyl-2-pentanone (MIBK)	20.0	20.0	19.3		19.3
n-Butylbenzene	5.00	5.00	4.33		4.45

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117414/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117414/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/27/2012 0922			Analysis Date:	04/27/2012 0942
Prep Date:	04/27/2012 0922			Prep Date:	04/27/2012 0942
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl tert-butyl ether	5.00	5.00	4.23 J	4.29 J
Naphthalene	5.00	5.00	3.92	4.12
N-Propylbenzene	5.00	5.00	4.11	4.36
p-Isopropyltoluene	5.00	5.00	4.27	4.42
sec-Butylbenzene	5.00	5.00	4.47	4.48
Styrene	5.00	5.00	4.42	4.66
tert-Butylbenzene	5.00	5.00	4.30	4.49
1,1,1,2-Tetrachloroethane	5.00	5.00	4.87	5.13
1,1,2,2-Tetrachloroethane	5.00	5.00	4.64	4.62
Tetrachloroethene	5.00	5.00	4.51	4.64
Toluene	5.00	5.00	4.58	4.73
trans-1,2-Dichloroethene	5.00	5.00	4.58	4.85
trans-1,3-Dichloropropene	5.00	5.00	4.83	5.03
1,2,3-Trichlorobenzene	5.00	5.00	4.26	4.52
1,2,4-Trichlorobenzene	5.00	5.00	4.37	4.49
1,1,1-Trichloroethane	5.00	5.00	5.13	5.34
1,1,2-Trichloroethane	5.00	5.00	4.73	4.97
m-Xylene & p-Xylene	10.0	10.0	8.92	9.01
o-Xylene	5.00	5.00	4.35	4.48
Trichloroethene	5.00	5.00	4.64	4.88
Trichlorofluoromethane	5.00	5.00	5.85	5.71
1,2,3-Trichloropropane	5.00	5.00	4.51	5.04
1,2,4-Trimethylbenzene	5.00	5.00	4.38	4.50
1,2-Dibromoethane	5.00	5.00	4.61	4.51
1,3,5-Trimethylbenzene	5.00	5.00	4.36	4.50
Vinyl chloride	5.00	5.00	5.70	5.79
Xylenes, Total	15.0	15.0	13.3	13.5

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117414/8	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117414/9
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/27/2012 1042			Analysis Date:	04/27/2012 1102
Prep Date:	04/27/2012 1042			Prep Date:	04/27/2012 1102
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Isopropanol	200	200	138	164

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-28131-E-12 MS	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7079.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1456			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1456				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-E-12 MSD	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7080.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1515			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1515				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	1307	1264	50 - 156	3	41	E F	E F
Benzene	102	103	74 - 135	0	20		
Bromobenzene	91	93	74 - 135	2	20		
Bromochloromethane	97	102	70 - 135	5	20		
Bromodichloromethane	114	106	73 - 135	8	20		
Bromoform	99	99	62 - 135	0	21		
Bromomethane	95	104	38 - 150	9	24		
2-Butanone (MEK)	836	821	44 - 150	2	32	F	F
Carbon disulfide	64	67	34 - 150	5	20		
Carbon tetrachloride	113	111	67 - 135	2	21		
Chlorobenzene	93	95	76 - 135	2	20		
Chlorodibromomethane	99	105	68 - 135	6	20		
Chloroethane	102	112	46 - 147	10	25		
Chloroform	106	106	76 - 120	1	20		
Chloromethane	472	450	34 - 145	5	24	F	F
2-Chlorotoluene	90	89	72 - 135	1	20		
4-Chlorotoluene	89	89	74 - 135	0	20		
1,2-Dibromo-3-Chloropropane	102	105	65 - 150	3	22		
Dibromomethane	106	110	72 - 135	3	20		
1,2-Dichlorobenzene	93	96	75 - 135	3	20		
1,3-Dichlorobenzene	93	95	74 - 135	2	20		
1,4-Dichlorobenzene	93	95	75 - 135	2	23		
Dichlorodifluoromethane	103	109	28 - 152	6	24		
1,1-Dichloroethane	103	102	75 - 135	0	21		
1,2-Dichloroethane	119	119	70 - 135	0	20		
cis-1,2-Dichloroethene	102	102	73 - 135	1	20		
1,1-Dichloroethene	104	104	71 - 136	0	20		
1,2-Dichloropropane	151	147	71 - 120	2	20	F	F
1,3-Dichloropropane	95	96	70 - 135	1	20		
2,2-Dichloropropane	113	109	67 - 135	3	24		
cis-1,3-Dichloropropene	95	96	66 - 135	1	20		
1,1-Dichloropropene	110	107	69 - 135	2	21		
Ethylbenzene	93	95	72 - 120	2	26		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-28131-E-12 MS	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7079.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1456			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1456				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-E-12 MSD	Analysis Batch:	280-117414	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P7080.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/27/2012 1515			Final Weight/Volume:	20 mL
Prep Date:	04/27/2012 1515				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hexachlorobutadiene	97	98	61 - 135	1	25		
2-Hexanone	95	104	47 - 150	9	25		
Isopropylbenzene	89	90	75 - 135	0	20		
Methylene Chloride	114	118	54 - 141	3	20		
4-Methyl-2-pentanone (MIBK)	102	107	53 - 150	5	22		
n-Butylbenzene	93	93	67 - 135	0	21		
Methyl tert-butyl ether	95	95	46 - 135	0	21	J	J
Naphthalene	95	96	48 - 135	2	32		
N-Propylbenzene	88	88	69 - 135	0	20		
p-Isopropyltoluene	91	90	68 - 135	2	20		
sec-Butylbenzene	94	96	68 - 135	2	21		
Styrene	99	98	68 - 135	1	20		
tert-Butylbenzene	88	90	70 - 135	2	21		
1,1,1,2-Tetrachloroethane	100	97	73 - 135	2	20		
1,1,2,2-Tetrachloroethane	48	16	66 - 135	98	20	F	J F
Tetrachloroethene	95	97	70 - 135	2	20		
Toluene	101	102	73 - 120	1	20		
trans-1,2-Dichloroethene	100	100	75 - 135	0	24		
trans-1,3-Dichloropropene	104	103	68 - 135	0	20		
1,2,3-Trichlorobenzene	100	103	60 - 135	3	29		
1,2,4-Trichlorobenzene	100	99	64 - 135	1	25		
1,1,1-Trichloroethane	106	104	70 - 135	2	20		
1,1,2-Trichloroethane	250	243	73 - 135	3	21	F	F
m-Xylene & p-Xylene	95	95	74 - 135	0	20		
o-Xylene	95	94	73 - 135	0	20		
Trichloroethene	144	165	73 - 135	14	20	F	F
Trichlorofluoromethane	100	106	47 - 150	6	20		
1,2,3-Trichloropropane	99	106	68 - 135	7	23		
1,2,4-Trimethylbenzene	92	92	72 - 135	0	20		
1,2-Dibromoethane	95	98	71 - 135	3	20		
1,3,5-Trimethylbenzene	91	94	70 - 135	3	20		
Vinyl chloride	102	110	40 - 144	7	24		
Xylenes, Total	95	95	75 - 135	0	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	92	70 - 127
Toluene-d8 (Surr)	97	98	80 - 125
4-Bromofluorobenzene (Surr)	88	91	78 - 120
Dibromofluoromethane (Surr)	91	90	77 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-28131-E-12 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-E-12 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/27/2012 1456		Analysis Date:	04/27/2012 1515	
Prep Date:	04/27/2012 1456		Prep Date:	04/27/2012 1515	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acetone	ND	20.0	20.0	261	E F	253	E F
Benzene	ND	5.00	5.00	5.11		5.13	
Bromobenzene	ND	5.00	5.00	4.57		4.65	
Bromochloromethane	ND	5.00	5.00	4.85		5.10	
Bromodichloromethane	ND	5.00	5.00	5.70		5.29	
Bromoform	ND	5.00	5.00	4.94		4.93	
Bromomethane	ND	5.00	5.00	4.77		5.20	
2-Butanone (MEK)	ND	20.0	20.0	167	F	164	F
Carbon disulfide	ND	5.00	5.00	3.18		3.36	
Carbon tetrachloride	ND	5.00	5.00	5.67		5.56	
Chlorobenzene	ND	5.00	5.00	4.65		4.74	
Chlorodibromomethane	ND	5.00	5.00	4.95		5.25	
Chloroethane	ND	5.00	5.00	5.09		5.61	
Chloroform	ND	5.00	5.00	5.32		5.29	
Chloromethane	ND	5.00	5.00	23.6	F	22.5	F
2-Chlorotoluene	ND	5.00	5.00	4.52		4.47	
4-Chlorotoluene	ND	5.00	5.00	4.45		4.47	
1,2-Dibromo-3-Chloropropane	ND	5.00	5.00	5.10		5.26	
Dibromomethane	ND	5.00	5.00	5.32		5.51	
1,2-Dichlorobenzene	ND	5.00	5.00	4.67		4.79	
1,3-Dichlorobenzene	ND	5.00	5.00	4.65		4.74	
1,4-Dichlorobenzene	ND	5.00	5.00	4.67		4.76	
Dichlorodifluoromethane	ND	5.00	5.00	5.13		5.47	
1,1-Dichloroethane	ND	5.00	5.00	5.14		5.11	
1,2-Dichloroethane	ND	5.00	5.00	5.96		5.94	
cis-1,2-Dichloroethene	ND	5.00	5.00	5.08		5.11	
1,1-Dichloroethene	ND	5.00	5.00	5.20		5.21	
1,2-Dichloropropane	ND	5.00	5.00	7.53	F	7.36	F
1,3-Dichloropropane	ND	5.00	5.00	4.76		4.80	
2,2-Dichloropropane	ND	5.00	5.00	5.64		5.46	
cis-1,3-Dichloropropene	ND	5.00	5.00	4.75		4.82	
1,1-Dichloropropene	ND	5.00	5.00	5.48		5.36	
Ethylbenzene	ND	5.00	5.00	4.67		4.74	
Hexachlorobutadiene	ND	5.00	5.00	4.85		4.91	
2-Hexanone	ND	20.0	20.0	19.0		20.8	
Isopropylbenzene	ND	5.00	5.00	4.46		4.48	
Methylene Chloride	ND	5.00	5.00	5.71		5.89	
4-Methyl-2-pentanone (MIBK)	ND	20.0	20.0	20.5		21.5	
n-Butylbenzene	ND	5.00	5.00	4.66		4.66	
Methyl tert-butyl ether	ND	5.00	5.00	4.76	J	4.77	J
Naphthalene	ND	5.00	5.00	4.74		4.82	
N-Propylbenzene	ND	5.00	5.00	4.40		4.40	
p-Isopropyltoluene	ND	5.00	5.00	4.57		4.49	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117414

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-28131-E-12 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-E-12 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/27/2012 1456		Analysis Date:	04/27/2012 1515	
Prep Date:	04/27/2012 1456		Prep Date:	04/27/2012 1515	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
sec-Butylbenzene	ND	5.00	5.00	4.72		4.80	
Styrene	ND	5.00	5.00	4.95		4.88	
tert-Butylbenzene	ND	5.00	5.00	4.40		4.48	
1,1,1,2-Tetrachloroethane	ND	5.00	5.00	4.99		4.87	
1,1,2,2-Tetrachloroethane	ND	5.00	5.00	2.39	F	0.815	J F
Tetrachloroethene	ND	5.00	5.00	4.74		4.84	
Toluene	ND	5.00	5.00	5.04		5.11	
trans-1,2-Dichloroethene	ND	5.00	5.00	5.00		4.99	
trans-1,3-Dichloropropene	ND	5.00	5.00	5.18		5.16	
1,2,3-Trichlorobenzene	ND	5.00	5.00	5.00		5.14	
1,2,4-Trichlorobenzene	ND	5.00	5.00	5.00		4.94	
1,1,1-Trichloroethane	ND	5.00	5.00	5.28		5.18	
1,1,2-Trichloroethane	ND	5.00	5.00	12.5	F	12.1	F
m-Xylene & p-Xylene	ND	10.0	10.0	9.54		9.54	
o-Xylene	ND	5.00	5.00	4.73		4.72	
Trichloroethene	ND	5.00	5.00	7.18	F	8.26	F
Trichlorofluoromethane	ND	5.00	5.00	4.98		5.30	
1,2,3-Trichloropropane	ND	5.00	5.00	4.96		5.30	
1,2,4-Trimethylbenzene	ND	5.00	5.00	4.59		4.61	
1,2-Dibromoethane	ND	5.00	5.00	4.77		4.92	
1,3,5-Trimethylbenzene	ND	5.00	5.00	4.56		4.70	
Vinyl chloride	ND	5.00	5.00	5.10		5.49	
Xylenes, Total	ND	15.0	15.0	14.3		14.3	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117171

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 280-117171/1-A	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1155	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aniline	ND		2.0	10
Benzyl alcohol	0.528	J	0.23	10
Bis(2-chloroethoxy)methane	ND		0.97	10
Bis(2-chloroethyl)ether	ND		0.41	10
Bis(2-ethylhexyl) phthalate	ND		0.56	10
Butyl benzyl phthalate	ND		1.0	4.0
Dibenzofuran	ND		0.29	4.0
Diethyl phthalate	ND		0.38	4.0
Dimethyl phthalate	ND		0.21	4.0
Di-n-butyl phthalate	ND		1.2	4.0
Di-n-octyl phthalate	ND		0.35	4.0
Diphenylamine	ND		1.1	10
Hexachlorobenzene	ND		0.66	10
Hexachlorocyclopentadiene	ND		10	50
Hexachloroethane	ND		2.1	10
Isophorone	ND		0.21	10
Nitrobenzene	ND		0.81	10
N-Nitrosodimethylamine	ND		0.29	10
N-Nitrosodi-n-propylamine	ND		0.35	10
Benzoic acid	ND		10	25
Pentachlorophenol	ND		20	50
Phenol	ND		2.0	10
Pyridine	ND		1.7	20
1,3-Dinitrobenzene	ND		2.0	10
2,3,4,6-Tetrachlorophenol	ND		2.0	50
2,4,5-Trichlorophenol	ND		0.45	10
2,4,6-Trichlorophenol	ND		0.29	10
2,4-Dichlorophenol	ND		0.64	10
2,4-Dimethylphenol	ND		0.58	10
2,4-Dinitrophenol	ND		10	30
2,4-Dinitrotoluene	ND		1.7	10
2,6-Dinitrotoluene	ND		1.9	10
1,4-Dinitrobenzene	ND		2.0	10
2-Chloronaphthalene	ND		0.26	4.0
2-Chlorophenol	ND		2.0	10
3 & 4 Methylphenol	ND		0.25	10
3,3'-Dichlorobenzidine	ND		2.0	50
3-Nitroaniline	ND		2.0	10
4,6-Dinitro-2-methylphenol	ND		4.0	50
2-Methylphenol	ND		0.98	10
2-Nitroaniline	ND		1.7	10
2-Nitrophenol	ND		0.39	10
4-Bromophenyl phenyl ether	ND		0.43	10
4-Chloro-3-methylphenol	ND		2.4	10
4-Chloroaniline	ND		2.1	10

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117171

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 280-117171/1-A	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1155	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
4-Chlorophenyl phenyl ether	ND		1.7	10
4-Nitroaniline	ND		2.0	10
4-Nitrophenol	ND		1.2	10
Azobenzene	ND		0.23	4.0
Carbazole	ND		0.43	4.0
bis (2-chloroisopropyl) ether	ND		0.28	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	88	51 - 120
Phenol-d5	93	51 - 120
Nitrobenzene-d5	87	48 - 120
2-Fluorobiphenyl	71	38 - 120
Terphenyl-d14	100	50 - 120

Method Blank TICs- Batch: 280-117171

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-117171/2-A	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0719.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1213	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117171/3-A	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0720.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1231	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aniline	76	69	47 - 120	9	30		
Benzyl alcohol	95	91	58 - 120	4	30		
Bis(2-chloroethoxy)methane	95	90	64 - 120	5	30		
Bis(2-chloroethyl)ether	86	84	60 - 120	2	34		
Bis(2-ethylhexyl) phthalate	101	101	62 - 133	1	30		
Butyl benzyl phthalate	97	95	71 - 120	2	30		
Diethyl phthalate	101	90	73 - 120	12	30		
Dimethyl phthalate	102	93	73 - 120	9	30		
Di-n-butyl phthalate	101	96	75 - 120	5	30		
Di-n-octyl phthalate	104	107	71 - 120	3	30		
Hexachlorobenzene	93	85	69 - 120	9	30		
Hexachlorocyclopentadiene	17	12	10 - 120	32	72	J	
Hexachloroethane	50	55	21 - 120	10	57		
Isophorone	94	92	65 - 120	2	30		
Nitrobenzene	95	91	59 - 120	4	30		
N-Nitrosodimethylamine	93	86	56 - 120	8	43		
N-Nitrosodi-n-propylamine	100	92	58 - 120	8	30		
Pentachlorophenol	96	90	57 - 120	6	33		
Phenol	97	92	61 - 120	6	42		
Pyridine	82	75	46 - 120	9	38		
2,4,5-Trichlorophenol	107	96	64 - 120	11	30		
2,4,6-Trichlorophenol	101	89	62 - 120	12	30		
2,4-Dichlorophenol	95	88	62 - 120	8	30		
2,4-Dimethylphenol	66	68	44 - 120	4	30		
2,4-Dinitrophenol	102	95	55 - 120	7	49		
2,4-Dinitrotoluene	101	92	76 - 120	9	32		
2,6-Dinitrotoluene	99	91	73 - 120	9	30		
2-Chloronaphthalene	84	70	51 - 120	18	30		
2-Chlorophenol	86	80	58 - 120	8	30		
3 & 4 Methylphenol	99	93	58 - 120	6	30		
3,3'-Dichlorobenzidine	51	49	10 - 120	5	30	J	J
3-Nitroaniline	99	92	70 - 120	7	35		
4,6-Dinitro-2-methylphenol	103	98	63 - 125	5	37		
2-Methylphenol	90	87	62 - 120	4	30		
2-Nitroaniline	116	102	70 - 120	13	30		
2-Nitrophenol	95	89	59 - 120	7	30		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-117171/2-A	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0719.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1213	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117171/3-A	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0720.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1231	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Bromophenyl phenyl ether	97	93	69 - 120	4	31		
4-Chloro-3-methylphenol	93	95	69 - 120	2	30		
4-Chloroaniline	89	85	60 - 120	4	54		
4-Chlorophenyl phenyl ether	94	84	67 - 120	11	30		
4-Nitroaniline	104	95	70 - 120	9	34		
4-Nitrophenol	129	120	59 - 129	7	35		
Carbazole	94	90	72 - 120	5	30		
bis (2-chloroisopropyl) ether	98	89	49 - 120	10	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	93	87	51 - 120
Phenol-d5	99	94	51 - 120
Nitrobenzene-d5	99	93	48 - 120
2-Fluorobiphenyl	88	72	38 - 120
Terphenyl-d14	101	98	50 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-117171/2-ADL	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0721.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1249	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607	Run Type:	DL	Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117171/3-ADL	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0722.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/08/2012 1308	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607	Run Type:	DL	Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzoic acid	97	100	41 - 120	3	72		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	87	86	51 - 120
Phenol-d5	92	90	51 - 120
Nitrobenzene-d5	97	93	48 - 120
2-Fluorobiphenyl	83	75	38 - 120
Terphenyl-d14	97	92	50 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-117171/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117171/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/08/2012 1213			Analysis Date:	05/08/2012 1231
Prep Date:	04/26/2012 1607			Prep Date:	04/26/2012 1607
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Aniline	80.0	80.0	60.7		55.5	
Benzyl alcohol	80.0	80.0	76.4		73.1	
Bis(2-chloroethoxy)methane	80.0	80.0	76.0		72.3	
Bis(2-chloroethyl)ether	80.0	80.0	68.6		67.4	
Bis(2-ethylhexyl) phthalate	80.0	80.0	80.4		81.2	
Butyl benzyl phthalate	80.0	80.0	77.7		76.1	
Diethyl phthalate	80.0	80.0	80.6		71.8	
Dimethyl phthalate	80.0	80.0	81.3		74.5	
Di-n-butyl phthalate	80.0	80.0	80.9		76.7	
Di-n-octyl phthalate	80.0	80.0	83.2		86.0	
Hexachlorobenzene	80.0	80.0	74.4		67.9	
Hexachlorocyclopentadiene	80.0	80.0	13.4	J	ND	
Hexachloroethane	80.0	80.0	39.9		44.1	
Isophorone	80.0	80.0	75.3		73.7	
Nitrobenzene	80.0	80.0	76.2		72.8	
N-Nitrosodimethylamine	80.0	80.0	74.2		68.5	
N-Nitrosodi-n-propylamine	80.0	80.0	80.3		73.8	
Pentachlorophenol	80.0	80.0	76.9		72.4	
Phenol	80.0	80.0	77.5		73.3	
Pyridine	80.0	80.0	65.4		59.8	
2,4,5-Trichlorophenol	80.0	80.0	86.0		76.9	
2,4,6-Trichlorophenol	80.0	80.0	80.8		71.4	
2,4-Dichlorophenol	80.0	80.0	76.4		70.6	
2,4-Dimethylphenol	80.0	80.0	52.7		54.6	
2,4-Dinitrophenol	80.0	80.0	81.5		76.2	
2,4-Dinitrotoluene	80.0	80.0	80.9		73.6	
2,6-Dinitrotoluene	80.0	80.0	79.6		72.5	
2-Chloronaphthalene	80.0	80.0	67.0		55.7	
2-Chlorophenol	80.0	80.0	69.1		63.9	
3 & 4 Methylphenol	160	160	158		148	
3,3'-Dichlorobenzidine	80.0	80.0	40.8	J	39.0	J
3-Nitroaniline	80.0	80.0	79.3		73.8	
4,6-Dinitro-2-methylphenol	80.0	80.0	82.4		78.2	
2-Methylphenol	80.0	80.0	71.9		69.3	
2-Nitroaniline	80.0	80.0	92.6		81.4	
2-Nitrophenol	80.0	80.0	76.1		71.1	
4-Bromophenyl phenyl ether	80.0	80.0	77.3		74.6	
4-Chloro-3-methylphenol	80.0	80.0	74.8		76.1	
4-Chloroaniline	80.0	80.0	71.2		68.2	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-117171/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117171/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/08/2012 1213			Analysis Date:	05/08/2012 1231
Prep Date:	04/26/2012 1607			Prep Date:	04/26/2012 1607
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4-Chlorophenyl phenyl ether	80.0	80.0	75.6	67.4
4-Nitroaniline	80.0	80.0	83.1	76.1
4-Nitrophenol	80.0	80.0	103	95.7
Carbazole	80.0	80.0	75.1	71.7
bis (2-chloroisopropyl) ether	80.0	80.0	78.6	70.9

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-117171/2-ADL	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117171/3-ADL
Client Matrix:	Water			Client Matrix:	Water
Dilution:	4.0			Dilution:	4.0
Analysis Date:	05/08/2012 1249			Analysis Date:	05/08/2012 1308
Prep Date:	04/26/2012 1607			Prep Date:	04/26/2012 1607
Leach Date:	N/A			Leach Date:	N/A
Run Type:	DL			Run Type:	DL

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzoic acid	400	400	387	400

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	280-28131-B-4-A MS	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0724.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	959.4 mL
Analysis Date:	05/08/2012 1344			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-S-4-A MSD	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0725.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	954 mL
Analysis Date:	05/08/2012 1402			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aniline	68	66	47 - 120	2	30		
Benzyl alcohol	90	93	58 - 120	4	30		
Bis(2-chloroethoxy)methane	93	88	64 - 120	5	30		
Bis(2-chloroethyl)ether	81	80	60 - 120	0	34		
Bis(2-ethylhexyl) phthalate	100	97	62 - 133	3	30		
Butyl benzyl phthalate	96	95	71 - 120	0	30		
Diethyl phthalate	95	90	73 - 120	5	30		
Dimethyl phthalate	92	88	73 - 120	4	30		
Di-n-butyl phthalate	101	97	75 - 120	4	30		
Di-n-octyl phthalate	103	100	71 - 120	2	30		
Hexachlorobenzene	91	90	69 - 120	1	30		
Hexachlorocyclopentadiene	28	22	10 - 120	22	72	J	J
Hexachloroethane	80	75	21 - 120	5	57		
Isophorone	92	91	65 - 120	1	30		
Nitrobenzene	90	86	59 - 120	4	30		
N-Nitrosodimethylamine	88	87	56 - 120	1	43		
N-Nitrosodi-n-propylamine	95	89	58 - 120	6	30		
Pentachlorophenol	97	95	57 - 120	2	33		
Phenol	92	93	61 - 120	2	42		
Pyridine	78	81	46 - 120	4	38		
2,4,5-Trichlorophenol	102	97	64 - 120	5	30		
2,4,6-Trichlorophenol	91	89	62 - 120	2	30		
2,4-Dichlorophenol	104	95	62 - 120	9	30		
2,4-Dimethylphenol	78	76	44 - 120	1	30		
2,4-Dinitrophenol	95	96	55 - 120	1	49		
2,4-Dinitrotoluene	98	91	76 - 120	7	32		
2,6-Dinitrotoluene	91	88	73 - 120	3	30		
2-Chloronaphthalene	90	83	51 - 120	7	30		
2-Chlorophenol	83	83	58 - 120	0	30		
3 & 4 Methylphenol	96	93	58 - 120	2	30		
3,3'-Dichlorobenzidine	56	52	10 - 120	6	30	J	J
3-Nitroaniline	97	86	70 - 120	12	35		
4,6-Dinitro-2-methylphenol	103	98	63 - 125	4	37		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	280-28131-B-4-A MS	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0724.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	959.4 mL
Analysis Date:	05/08/2012 1344			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-S-4-A MSD	Analysis Batch:	280-119099	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0725.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	954 mL
Analysis Date:	05/08/2012 1402			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylphenol	88	86	62 - 120	2	30		
2-Nitroaniline	111	104	70 - 120	5	30		
2-Nitrophenol	92	89	59 - 120	3	30		
4-Bromophenyl phenyl ether	97	93	69 - 120	3	31		
4-Chloro-3-methylphenol	94	92	69 - 120	1	30		
4-Chloroaniline	87	79	60 - 120	9	54		
4-Chlorophenyl phenyl ether	96	90	67 - 120	5	30		
4-Nitroaniline	97	95	70 - 120	2	34		
4-Nitrophenol	119	116	59 - 129	2	35		
Carbazole	93	89	72 - 120	3	30		
bis (2-chloroisopropyl) ether	99	97	49 - 120	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorophenol	84	86	51 - 120
Phenol-d5	92	92	51 - 120
Nitrobenzene-d5	90	90	48 - 120
2-Fluorobiphenyl	90	85	38 - 120
Terphenyl-d14	99	95	50 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	280-28131-B-4-A MSDL	Analysis Batch:	280-119208	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0760.D
Dilution:	6.0	Leach Batch:	N/A	Initial Weight/Volume:	959.4 mL
Analysis Date:	05/09/2012 1545	Run Type:	DL	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-S-4-A MSDDL	Analysis Batch:	280-119208	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-117171	Lab File ID:	D0761.D
Dilution:	6.0	Leach Batch:	N/A	Initial Weight/Volume:	954 mL
Analysis Date:	05/09/2012 1603	Run Type:	DL	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1607			Injection Volume:	0.5 uL
Leach Date:	N/A				

		% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzoic acid	144	112	41 - 120	15	72	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorophenol	90	78	51 - 120
Phenol-d5	97	80	51 - 120
Nitrobenzene-d5	100	84	48 - 120
2-Fluorobiphenyl	93	75	38 - 120
Terphenyl-d14	106	91	50 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	280-28131-B-4-A MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	05/08/2012 1344		
Prep Date:	04/26/2012 1607		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28131-S-4-A MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	05/08/2012 1402
Prep Date:	04/26/2012 1607
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aniline	ND		83.4	83.9	56.5		55.1	
Benzyl alcohol	0.59	J	83.4	83.9	75.5		78.5	
Bis(2-chloroethoxy)methane	ND		83.4	83.9	77.5		74.0	
Bis(2-chloroethyl)ether	ND		83.4	83.9	67.5		67.2	
Bis(2-ethylhexyl) phthalate	ND		83.4	83.9	83.4		81.0	
Butyl benzyl phthalate	ND		83.4	83.9	80.2		80.0	
Diethyl phthalate	ND		83.4	83.9	79.5		75.8	
Dimethyl phthalate	ND		83.4	83.9	76.9		73.5	
Di-n-butyl phthalate	ND		83.4	83.9	84.6		81.0	
Di-n-octyl phthalate	ND		83.4	83.9	85.5		83.6	
Hexachlorobenzene	ND		83.4	83.9	76.2		75.3	
Hexachlorocyclopentadiene	ND		83.4	83.9	23.1	J	18.6	J
Hexachloroethane	ND		83.4	83.9	66.4		63.0	
Isophorone	ND		83.4	83.9	77.0		76.2	
Nitrobenzene	ND		83.4	83.9	74.8		72.3	
N-Nitrosodimethylamine	ND		83.4	83.9	73.1		72.6	
N-Nitrosodi-n-propylamine	ND		83.4	83.9	79.2		74.6	
Pentachlorophenol	ND		83.4	83.9	80.7		79.5	
Phenol	10	J	83.4	83.9	86.4		87.8	
Pyridine	ND		83.4	83.9	64.8		67.6	
2,4,5-Trichlorophenol	ND		83.4	83.9	85.3		81.4	
2,4,6-Trichlorophenol	ND		83.4	83.9	76.0		74.9	
2,4-Dichlorophenol	ND		83.4	83.9	86.4		79.3	
2,4-Dimethylphenol	ND		83.4	83.9	65.0		64.1	
2,4-Dinitrophenol	ND		83.4	83.9	79.6		80.3	
2,4-Dinitrotoluene	ND		83.4	83.9	81.5		76.2	
2,6-Dinitrotoluene	ND		83.4	83.9	75.7		73.7	
2-Chloronaphthalene	ND		83.4	83.9	75.2		70.0	
2-Chlorophenol	ND		83.4	83.9	69.3		69.7	
3 & 4 Methylphenol	0.95	J	167	168	161		157	
3,3'-Dichlorobenzidine	ND		83.4	83.9	46.5	J	44.0	J
3-Nitroaniline	ND		83.4	83.9	81.3		71.9	
4,6-Dinitro-2-methylphenol	ND		83.4	83.9	85.8		82.3	
2-Methylphenol	ND		83.4	83.9	73.8		72.2	
2-Nitroaniline	ND		83.4	83.9	92.4		87.5	
2-Nitrophenol	ND		83.4	83.9	77.0		75.0	
4-Bromophenyl phenyl ether	ND		83.4	83.9	80.6		77.9	
4-Chloro-3-methylphenol	ND		83.4	83.9	78.2		77.1	
4-Chloroaniline	ND		83.4	83.9	72.2		65.9	
4-Chlorophenyl phenyl ether	ND		83.4	83.9	79.7		75.7	
4-Nitroaniline	ND		83.4	83.9	80.8		79.5	
4-Nitrophenol	ND		83.4	83.9	99.0		97.3	
Carbazole	ND		83.4	83.9	77.2		74.6	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	280-28131-B-4-A MS	Units: ug/L	MSD Lab Sample ID:	280-28131-S-4-A MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	05/08/2012 1344		Analysis Date:	05/08/2012 1402	
Prep Date:	04/26/2012 1607		Prep Date:	04/26/2012 1607	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
bis (2-chloroisopropyl) ether	ND	83.4	83.9	82.3	81.7

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117171

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	280-28131-B-4-A MSDL	Units: ug/L	MSD Lab Sample ID:	280-28131-S-4-A MSDDL	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	6.0		Dilution:	6.0	
Analysis Date:	05/09/2012 1545		Analysis Date:	05/09/2012 1603	
Prep Date:	04/26/2012 1607		Prep Date:	04/26/2012 1607	
Leach Date:	N/A		Leach Date:	N/A	
Run Type:	DL		Run Type:	DL	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzoic acid	340	417	419	940 F	811

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117187

Method: 8270C SIM
Preparation: 3510C

Lab Sample ID:	MB 280-117187/1-A	Analysis Batch:	280-118594	Instrument ID:	MSS_F
Client Matrix:	Water	Prep Batch:	280-117187	Lab File ID:	F4189.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/04/2012 1639	Units:	ng/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzo[b]fluoranthene	15.3	J	3.4	100
Benzo[a]pyrene	17.1	J	5.1	100
Benzo[a]anthracene	ND		3.2	100
Benzo[k]fluoranthene	12.1	J	5.1	100
Benzo[g,h,i]perylene	41.2	J	3.6	100
Phenanthrene	ND		9.8	100
Anthracene	ND		14	100
Dibenz(a,h)anthracene	44.6	J	4.8	100
Chrysene	ND		3.2	100
Acenaphthene	ND		11	100
Acenaphthylene	ND		10	100
Fluoranthene	25.8	J	4.5	100
Fluorene	ND		19	100
Pyrene	63.0	J	8.1	100
Indeno[1,2,3-cd]pyrene	30.0	J	15	100
1-Methylnaphthalene	ND		5.7	100
2-Methylnaphthalene	ND		5.2	100

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	92	42 - 120
Nitrobenzene-d5	93	43 - 120
Terphenyl-d14	100	47 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample - Batch: 280-117187

Method: 8270C SIM
Preparation: 3510C

Lab Sample ID:	LCS 280-117187/2-A	Analysis Batch:	280-118594	Instrument ID:	MSS_F
Client Matrix:	Water	Prep Batch:	280-117187	Lab File ID:	F4190.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/04/2012 1709	Units:	ng/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[b]fluoranthene	900	952	106	44 - 120	
Benzo[a]pyrene	900	936	104	38 - 120	
Benzo[a]anthracene	900	902	100	42 - 120	
Benzo[k]fluoranthene	900	962	107	43 - 120	
Benzo[g,h,i]perylene	900	988	110	39 - 120	
Phenanthrene	900	887	99	46 - 120	
Anthracene	900	966	107	28 - 120	
Dibenz(a,h)anthracene	900	958	106	27 - 126	
Chrysene	900	933	104	35 - 120	
Acenaphthene	900	891	99	47 - 120	
Acenaphthylene	900	882	98	39 - 120	
Fluoranthene	900	950	106	46 - 120	
Fluorene	900	865	96	49 - 120	
Pyrene	900	936	104	49 - 120	
Indeno[1,2,3-cd]pyrene	900	942	105	38 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	92	42 - 120
Nitrobenzene-d5	94	43 - 120
Terphenyl-d14	102	47 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117187

Method: 8270C SIM
Preparation: 3510C

MS Lab Sample ID:	280-28131-F-4-A MS	Analysis Batch:	280-118594	Instrument ID:	MSS_F
Client Matrix:	Water	Prep Batch:	280-117187	Lab File ID:	F4201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	987.7 mL
Analysis Date:	05/04/2012 2238			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-R-4-G MSD	Analysis Batch:	280-118594	Instrument ID:	MSS_F
Client Matrix:	Water	Prep Batch:	280-117187	Lab File ID:	F4202.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	949.4 mL
Analysis Date:	05/04/2012 2308			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	89	98	44 - 120	13	28		
Benzo[a]pyrene	86	96	38 - 120	15	21		
Benzo[a]anthracene	98	98	42 - 120	4	40		
Benzo[k]fluoranthene	91	102	43 - 120	16	28		
Benzo[g,h,i]perylene	78	88	39 - 120	16	23		
Phenanthrene	93	82	46 - 120	9	42		
Anthracene	102	88	28 - 120	10	50		
Dibenz(a,h)anthracene	77	88	27 - 126	17	25		
Chrysene	104	103	35 - 120	3	41		
Acenaphthene	90	73	47 - 120	17	50		
Acenaphthylene	94	75	39 - 120	18	50		
Fluoranthene	98	94	46 - 120	0	24		
Fluorene	87	73	49 - 120	14	50		
Pyrene	92	89	49 - 120	1	22		
Indeno[1,2,3-cd]pyrene	73	86	38 - 120	20	25		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	83	66	42 - 120
Nitrobenzene-d5	85	65	43 - 120
Terphenyl-d14	96	95	47 - 120

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117187

Method: 8270C SIM
Preparation: 3510C

MS Lab Sample ID:	280-28131-F-4-A MS	Units: ng/L	MSD Lab Sample ID:	280-28131-R-4-G MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	05/04/2012 2238		Analysis Date:	05/04/2012 2308	
Prep Date:	04/26/2012 1700		Prep Date:	04/26/2012 1700	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzo[b]fluoranthene	ND		911	948	808	925
Benzo[a]pyrene	ND		911	948	788	915
Benzo[a]anthracene	ND		911	948	892	931
Benzo[k]fluoranthene	ND		911	948	825	964
Benzo[g,h,i]perylene	41	J	911	948	749	879
Phenanthrene	ND		911	948	847	774
Anthracene	ND		911	948	930	837
Dibenz(a,h)anthracene	ND		911	948	700	834
Chrysene	ND		911	948	952	977
Acenaphthene	ND		911	948	820	692
Acenaphthylene	ND		911	948	856	712
Fluoranthene	ND		911	948	892	894
Fluorene	ND		911	948	796	691
Pyrene	8.9	J	911	948	848	857
Indeno[1,2,3-cd]pyrene	16	J	911	948	678	830

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117506

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MB 280-117506/5	Analysis Batch:	280-117506	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115F0501.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/27/2012 1340	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/27/2012 1340			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	ND		10	25

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene	89	82 - 110

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117506

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117506/3	Analysis Batch:	280-117506	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113F0301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/27/2012 1236	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/27/2012 1236			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-117506/4	Analysis Batch:	280-117506	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114F0401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/27/2012 1308	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/27/2012 1308			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C6-C10	112	110	79 - 149	2	27		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	91	94	82 - 110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117506

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117506/3	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-117506/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/27/2012 1236			Analysis Date:	04/27/2012 1308
Prep Date:	04/27/2012 1236			Prep Date:	04/27/2012 1308
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Gasoline Range Organics (GRO)-C6-C10	101	101	113	111

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117506

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	280-28131-A-12 MS	Analysis Batch:	280-117506	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	202F0801.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	04/27/2012 1615			Final Weight/Volume:	5 mL
Prep Date:	04/27/2012 1615			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY
MSD Lab Sample ID:	280-28131-A-12 MSD	Analysis Batch:	280-117506	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	203F0901.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	04/27/2012 1647			Final Weight/Volume:	5 mL
Prep Date:	04/27/2012 1647			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

		% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Gasoline Range Organics (GRO)-C6-C10	115	74	79 - 149	7	27	4	4

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
a,a,a-Trifluorotoluene	0	X	0	X	82 - 110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117506

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	280-28131-A-12 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-A-12 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/27/2012 1615		Analysis Date:	04/27/2012 1647	
Prep Date:	04/27/2012 1615		Prep Date:	04/27/2012 1647	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Gasoline Range Organics (GRO)-C6-C10	1100	202	202	1290	4	1210	4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117914

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MB 280-117914/5	Analysis Batch:	280-117914	Instrument ID:	GCV_K
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	105F0501.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/01/2012 1457	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/01/2012 1457			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	ND		10	25

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene	96	82 - 110

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117914

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117914/3	Analysis Batch:	280-117914	Instrument ID:	GCV_K
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	103F0301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/01/2012 1333	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/01/2012 1333			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY
LCSD Lab Sample ID:	LCSD 280-117914/4	Analysis Batch:	280-117914	Instrument ID:	GCV_K
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	104F0401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/01/2012 1415	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/01/2012 1415			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C6-C10	113	101	79 - 149	11	27		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	109	109	82 - 110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117914

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-117914/3	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-117914/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2012 1333			Analysis Date:	05/01/2012 1415
Prep Date:	05/01/2012 1333			Prep Date:	05/01/2012 1415
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Gasoline Range Organics (GRO)-C6-C10	101	101	114	102

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117914

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	280-28131-BN-4 MS	Analysis Batch:	280-117914	Instrument ID:	GCV_K
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	107F0701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	05/01/2012 1706			Final Weight/Volume:	5 mL
Prep Date:	05/01/2012 1706			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY
MSD Lab Sample ID:	280-28131-BN-4 MSD	Analysis Batch:	280-117914	Instrument ID:	GCV_K
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	108F0801.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	05/01/2012 1749			Final Weight/Volume:	5 mL
Prep Date:	05/01/2012 1749			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Gasoline Range Organics (GRO)-C6-C10	116	160	79 - 149	9	27		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	105	102	82 - 110

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117914

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	280-28131-BN-4 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-BN-4 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	05/01/2012 1706		Analysis Date:	05/01/2012 1749	
Prep Date:	05/01/2012 1706		Prep Date:	05/01/2012 1749	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Gasoline Range Organics (GRO)-C6-C10	700	202	202	935	1020	F

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117933

Method: RSK-175
Preparation: N/A

Lab Sample ID:	MB 280-117933/4	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	005F0501.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1212	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Methane	ND		0.22	5.0
Ethylene	ND		0.40	5.0
Ethane	ND		0.57	5.0

Method Blank - Batch: 280-117933

Method: RSK-175
Preparation: N/A

Lab Sample ID:	MB 280-117933/4	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	005F0501.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1212	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Result	Qual	MDL	RL
Methane	ND		0.22	5.0
Ethylene	ND		0.40	5.0

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117933/2	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	003F0301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1203	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-117933/3	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	004F0401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1207	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methane	92	94	75 - 125	2	20		
Ethylene	93	95	75 - 125	2	20		
Ethane	93	95	75 - 125	2	20		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117933/2	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	003F0301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1203	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 280-117933/3	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	004F0401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1207	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methane	91	93	75 - 125	2	20		
Ethylene	93	94	75 - 125	2	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117933/2	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117933/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2012 1203			Analysis Date:	05/01/2012 1207
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methane	73.2	73.2	67.1	68.8
Ethylene	128	128	119	121
Ethane	137	137	128	130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117933/2	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117933/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2012 1203			Analysis Date:	05/01/2012 1207
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methane	73.2	73.2	66.5	68.0
Ethylene	128	128	118	121

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-BX-4 MS	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	037F3801.D
Dilution:	18	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1654			Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-28131-BX-4 MSD	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	038F3901.D
Dilution:	18	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1659			Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methane	1015	881	52 - 145	4	20	4 F	4 F
Ethylene	94	88	75 - 131	7	20		
Ethane	170	156	75 - 125	4	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-BX-4 MS	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	037F3801.D
Dilution:	18	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1654			Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	280-28131-BX-4 MSD	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	038F3901.D
Dilution:	18	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1659			Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methane	999	869	52 - 145	4	20	4 F	4 F
Ethylene	101	95	75 - 131	6	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-BX-4 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-BX-4 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	18		Dilution:	18	
Analysis Date:	05/01/2012 1654		Analysis Date:	05/01/2012 1659	
Prep Date:	N/A		Prep Date:	N/A	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Methane	28000	1320	1320	41000	4 F	39200	4 F
Ethylene	ND	2300	2300	2170		2020	
Ethane	3600	2470	2470	7780	F	7440	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117933

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-BX-4 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-BX-4 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	18		Dilution:	18	
Analysis Date:	05/01/2012 1654		Analysis Date:	05/01/2012 1659	
Prep Date:	N/A		Prep Date:	N/A	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Methane	27000	1320	1320	40500	4 F	38800	4 F
Ethylene	ND	2300	2300	2310		2170	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Duplicate - Batch: 280-117933

Method: RSK-175
Preparation: N/A

Lab Sample ID:	280-28131-W-3 DU	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	035F3601.D
Dilution:	18	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1646	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Methane	31000	28200	8	20	
Ethylene	ND	ND	NC	20	
Ethane	4000	3750	7	20	

Duplicate - Batch: 280-117933

Method: RSK-175
Preparation: N/A

Lab Sample ID:	280-28131-W-3 DU	Analysis Batch:	280-117933	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	035F3601.D
Dilution:	18	Leach Batch:	N/A	Initial Weight/Volume:	18 mL
Analysis Date:	05/01/2012 1646	Units:	ug/L	Final Weight/Volume:	18 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Methane	30000	28000	8	20	
Ethylene	ND	ND	NC	20	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 180-34676

Method: RSK-175
Preparation: N/A

Lab Sample ID:	MB 180-34676/2	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301204.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 0847	Units:	ug/L	Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
Propane	ND		5.0	5.0

Surrogate	% Rec	Acceptance Limits
1,1,1-Trifluoroethane	86	40 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-34676

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 180-34676/3	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301205.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 0902	Units:	ug/L	Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY
LCSD Lab Sample ID:	LCSD 180-34676/4	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301206.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 0916	Units:	ug/L	Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Propane	93	89	40 - 150	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,1,1-Trifluoroethane	95	92	40 - 150

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-34676

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 180-34676/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-34676/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/30/2012 0902			Analysis Date:	04/30/2012 0916
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Propane	151	151	140	134

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-34676

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-H-4 MS	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301212.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 1043			Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-28131-H-4 MSD	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 1057			Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

		% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Propane	-35	-0.03	40 - 150	4	20	4	4

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,1,1-Trifluoroethane	85	88	40 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-34676

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-B-12 MS	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301231.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 1517			Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-28131-B-12 MSD	Analysis Batch:	180-34676	Instrument ID:	RSK
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	04301232.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	12 mL
Analysis Date:	04/30/2012 1532			Final Weight/Volume:	12 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

		% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Propane	45	130	40 - 150	17	20	4	4

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,1,1-Trifluoroethane	84	94	40 - 150

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-34676

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-H-4 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-H-4 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/30/2012 1043		Analysis Date:	04/30/2012 1057	
Prep Date:	N/A		Prep Date:	N/A	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Propane	1400	151	151	1350	4	1400	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-34676

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-28131-B-12 MS	Units: ug/L	MSD Lab Sample ID:	280-28131-B-12 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	2.0		Dilution:	2.0	
Analysis Date:	04/30/2012 1517		Analysis Date:	04/30/2012 1532	
Prep Date:	N/A		Prep Date:	N/A	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Propane	1300	301	301	1420	4	1680	4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117191

Method: 8015B
Preparation: 3510C

Lab Sample ID:	MB 280-117191/1-A	Analysis Batch:	280-119005	Instrument ID:	GCS_U2
Client Matrix:	Water	Prep Batch:	280-117191	Lab File ID:	078B3001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/03/2012 0247	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	ND		0.033	0.25

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	72	50 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117191

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID:	LCS 280-117191/2-A	Analysis Batch:	280-119005	Instrument ID:	GCS_U2
Client Matrix:	Water	Prep Batch:	280-117191	Lab File ID:	079B3101.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/03/2012 0312	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-117191/3-A	Analysis Batch:	280-119005	Instrument ID:	GCS_U2
Client Matrix:	Water	Prep Batch:	280-117191	Lab File ID:	080B3201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/03/2012 0336	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	107	100	54 - 115	7	31		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	83	80	50 - 115

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117191

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID:	LCS 280-117191/2-A	Units: mg/L		LCSD Lab Sample ID:	LCSD 280-117191/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 0312			Analysis Date:	05/03/2012 0336
Prep Date:	04/26/2012 1700			Prep Date:	04/26/2012 1700
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Diesel Range Organics [C10-C28]	2.00	2.00	2.14	2.00

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117191

Method: 8015B
Preparation: 3510C

MS Lab Sample ID:	280-28131-C-4-A MS	Analysis Batch:	280-119005	Instrument ID:	GCS_U2
Client Matrix:	Water	Prep Batch:	280-117191	Lab File ID:	085B3701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	899.8 mL
Analysis Date:	05/03/2012 0537			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY
MSD Lab Sample ID:	280-28131-E-4-A MSD	Analysis Batch:	280-119005	Instrument ID:	GCS_U2
Client Matrix:	Water	Prep Batch:	280-117191	Lab File ID:	086B3801.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	973.6 mL
Analysis Date:	05/03/2012 0601			Final Weight/Volume:	1000 uL
Prep Date:	04/26/2012 1700			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	104	96	50 - 115	14	31		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	87	79	50 - 115

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117191

Method: 8015B
Preparation: 3510C

MS Lab Sample ID:	280-28131-C-4-A MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-E-4-A MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 0537			Analysis Date:	05/03/2012 0601
Prep Date:	04/26/2012 1700			Prep Date:	04/26/2012 1700
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Diesel Range Organics [C10-C28]	0.18	J	2.22	2.06	2.49	2.16

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-117184/1-A	Analysis Batch:	280-117859	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A5050112.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 0157	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dissolved Aluminum	ND		18	100
Dissolved Boron	ND		4.4	100
Dissolved Calcium	ND		35	200
Dissolved Iron	ND		22	100
Dissolved Magnesium	ND		11	200
Dissolved Lithium	ND		2.6	10
Dissolved Potassium	ND		240	3000
Dissolved Silicon	ND		35	500
Dissolved Sodium	149	J	92	1000
Dissolved Strontium	ND		0.30	10
Dissolved Titanium	ND		0.60	10

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 280-117184/2-A	Analysis Batch:	280-117859	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A5050112.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 0159	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117184/3-A	Analysis Batch:	280-117859	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A5050112.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 0201	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dissolved Aluminum	91	92	87 - 111	1	20		
Dissolved Boron	98	98	86 - 110	0	20		
Dissolved Calcium	91	92	90 - 111	1	20		
Dissolved Iron	94	97	89 - 115	2	20		
Dissolved Lithium	97	98	90 - 112	1	20		
Dissolved Magnesium	95	96	90 - 113	1	20		
Dissolved Potassium	98	99	89 - 114	1	20		
Dissolved Silicon	92	93	90 - 110	1	20		
Dissolved Sodium	101	103	90 - 115	1	20		
Dissolved Strontium	99	100	90 - 111	1	20		
Dissolved Titanium	99	100	90 - 111	1	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 280-117184/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-117184/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/02/2012 0159			Analysis Date:	05/02/2012 0201
Prep Date:	05/01/2012 0815			Prep Date:	05/01/2012 0815
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dissolved Aluminum	2000	2000	1820	1840
Dissolved Boron	1000	1000	978	983
Dissolved Calcium	50000	50000	45400	46000
Dissolved Iron	1000	1000	944	966
Dissolved Lithium	1000	1000	969	979
Dissolved Magnesium	50000	50000	47600	47900
Dissolved Potassium	50000	50000	48900	49500
Dissolved Silicon	10000	10000	9210	9350
Dissolved Sodium	50000	50000	50600	51300
Dissolved Strontium	1000	1000	986	996
Dissolved Titanium	1000	1000	989	997

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-28131-BB-4-C MS	Analysis Batch:	280-118273	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A5050312.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2017			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-BB-4-D MSD	Analysis Batch:	280-118273	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A5050312.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2020			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dissolved Aluminum	86	86	83 - 119	1	20		
Dissolved Boron	97	96	87 - 113	1	20		
Dissolved Iron	99	98	52 - 155	1	20		
Dissolved Lithium	97	96	89 - 114	1	20		
Dissolved Magnesium	94	93	62 - 146	1	20		
Dissolved Potassium	100	99	76 - 132	1	20		
Dissolved Sodium	112	110	70 - 203	0	20	4	4
Dissolved Strontium	101	100	81 - 125	1	20		
Dissolved Titanium	100	100	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-28131-BB-4-C MS	Analysis Batch:	280-118675	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A050412.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1255			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-BB-4-D MSD	Analysis Batch:	280-118675	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A050412.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1258			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dissolved Calcium	95	95	48 - 153	0	20		
Dissolved Silicon	97	100	79 - 140	1	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-28131-BB-4-C MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	05/03/2012 2017		
Prep Date:	05/01/2012 0815		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28131-BB-4-D MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	05/03/2012 2020
Prep Date:	05/01/2012 0815
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dissolved Aluminum	170	2000	2000	1890	1880
Dissolved Boron	130	1000	1000	1100	1090
Dissolved Iron	ND	1000	1000	991	979
Dissolved Lithium	44	1000	1000	1010	1000
Dissolved Magnesium	140 J	50000	50000	47200	46800
Dissolved Potassium	15000	50000	50000	65100	64700
Dissolved Sodium	270000	50000	50000	328000 4	327000 4
Dissolved Strontium	300	1000	1000	1310	1300
Dissolved Titanium	ND	1000	1000	1000	998

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-28131-BB-4-C MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	05/04/2012 1255		
Prep Date:	05/01/2012 0815		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28131-BB-4-D MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	05/04/2012 1258
Prep Date:	05/01/2012 0815
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dissolved Calcium	9400	50000	50000	56900	57200
Dissolved Silicon	9000	10000	10000	18700	18900

Client: U.S. Geological Survey

Job Number: 280-28076-1

Serial Dilution - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Dissolved

Lab Sample ID:	280-28131-BB-4-B SD ^5	Analysis Batch:	280-118273	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A5050312.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/03/2012 2015	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Dissolved Aluminum	170		181	NC	10	J
Dissolved Boron	130		133	NC	10	J
Dissolved Iron	ND		ND	NC	10	
Dissolved Magnesium	140	J	185	NC	10	J
Dissolved Lithium	44		49.2	NC	10	J
Dissolved Potassium	15000		15300	1.8	10	
Dissolved Sodium	270000		279000	2.6	10	
Dissolved Strontium	300		302	1.5	10	
Dissolved Titanium	ND		6.00	NC	10	J

Serial Dilution - Batch: 280-117184

Method: 6010B
Preparation: 3005A
Dissolved

Lab Sample ID:	280-28131-BB-4-B SD ^5	Analysis Batch:	280-118675	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-117184	Lab File ID:	25A050412.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/04/2012 1253	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Dissolved Calcium	9400	9470	0.57	10	
Dissolved Silicon	9000	8840	1.6	10	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-118701

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 280-118701/1-A	Analysis Batch:	280-118834	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0850	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Boron	ND		4.4	100
Calcium	ND		35	200
Magnesium	ND		11	200
Lithium	ND		2.6	10
Potassium	ND		240	3000
Phosphorus	ND		14	3000
Sodium	ND		92	1000
Strontium	ND		0.30	10
Titanium	ND		0.60	10
SiO2, Silica	ND		74	500

Method Blank - Batch: 280-118701

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 280-118701/1-A	Analysis Batch:	280-118969	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1655	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		18	100
Iron	ND		22	100

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-118701/2-A	Analysis Batch:	280-118834	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0853	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-118701/3-A	Analysis Batch:	280-118834	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0856	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Boron	93	94	86 - 110	1	20		
Calcium	93	94	90 - 111	2	20		
Lithium	104	105	90 - 112	1	20		
Magnesium	97	98	90 - 113	1	20		
Potassium	106	107	89 - 114	1	20		
Phosphorus	99	100	86 - 115	1	20		
Sodium	105	108	90 - 115	3	20		
Strontium	98	100	90 - 111	2	20		
Titanium	98	99	90 - 111	1	20		
SiO2, Silica	94	96	90 - 110	1	20		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-118701/2-A	Analysis Batch:	280-118969	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1657	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-118701/3-A	Analysis Batch:	280-118969	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1700	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	104	104	87 - 111	1	20		
Iron	102	101	89 - 115	1	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-118701/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-118701/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/08/2012 0853			Analysis Date:	05/08/2012 0856
Prep Date:	05/07/2012 1400			Prep Date:	05/07/2012 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Boron	1000	1000	926	936
Calcium	50000	50000	46300	47200
Lithium	1000	1000	1040	1050
Magnesium	50000	50000	48600	49100
Potassium	50000	50000	53200	53700
Phosphorus	10000	10000	9920	10000
Sodium	50000	50000	52300	53900
Strontium	1000	1000	984	1000
Titanium	1000	1000	984	994
SiO2, Silica	21400	21400	20200	20500

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-118701/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-118701/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/08/2012 1657			Analysis Date:	05/08/2012 1700
Prep Date:	05/07/2012 1400			Prep Date:	05/07/2012 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	2000	2000	2080	2090
Iron	1000	1000	1020	1010

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	280-28076-1	Analysis Batch:	280-118834	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0904			Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28076-1	Analysis Batch:	280-118834	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0907			Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Boron	91	90	87 - 113	1	20		
Calcium	94	92	48 - 153	1	20		
Lithium	106	105	89 - 114	0	20		
Magnesium	96	95	62 - 146	1	20		
Potassium	110	110	76 - 132	1	20		
Phosphorus	102	101	80 - 120	1	20		
Sodium	113	98	70 - 203	2	20	4	4
Strontium	100	98	81 - 125	1	20		
Titanium	100	98	80 - 120	2	20		
SiO2, Silica	100	97	75 - 141	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	280-28076-1	Analysis Batch:	280-118969	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1707			Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28076-1	Analysis Batch:	280-118969	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1709			Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	109	105	83 - 119	3	20		
Iron	82	74	52 - 155	2	20	4	4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	280-28076-1	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	05/08/2012 0904		
Prep Date:	05/07/2012 1400		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28076-1
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	05/08/2012 0907
Prep Date:	05/07/2012 1400
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Boron	110	1000	1000	1020	1000
Calcium	35000	50000	50000	82000	80900
Lithium	26	1000	1000	1080	1080
Magnesium	220	50000	50000	48000	47600
Potassium	17000	50000	50000	71900	71600
Phosphorus	18 J	10000	10000	10200	10100
Sodium	420000	50000	50000	481000 4	474000 4
Strontium	780	1000	1000	1790	1770
Titanium	11	1000	1000	1010	990
SiO2, Silica	12000	21400	21400	33500	32900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118701

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	280-28076-1	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	05/08/2012 1707		
Prep Date:	05/07/2012 1400		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28076-1
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	05/08/2012 1709
Prep Date:	05/07/2012 1400
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aluminum	1100	2000	2000	3310	3230
Iron	4200	1000	1000	5050 4	4970 4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Serial Dilution - Batch: 280-118701

Method: 6010B
Preparation: 3010A

Lab Sample ID:	280-28076-1	Analysis Batch:	280-118834	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26d050712.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 0901	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Boron	110		121	NC	10	J
Calcium	35000		37300	5.9	10	
Magnesium	220		239	NC	10	J
Lithium	26		31.4	NC	10	J
Potassium	17000		17900	6.6	10	
Phosphorus	18	J	ND	NC	10	
Sodium	420000		451000	6.1	10	
Strontium	780		832	6.0	10	
Titanium	11		8.70	NC	10	J
SiO2, Silica	12000		12700	4.9	10	

Serial Dilution - Batch: 280-118701

Method: 6010B
Preparation: 3010A

Lab Sample ID:	280-28076-1	Analysis Batch:	280-118969	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-118701	Lab File ID:	26a050812.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2012 1705	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/07/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	1100	1320	16	10	V
Iron	4200	4420	4.6	10	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117181

Method: 6020
Preparation: 3020A

Lab Sample ID:	MB 280-117181/1-A	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	125SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1747	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Antimony	ND		0.40	2.0
Arsenic	ND		0.33	5.0
Barium	ND		0.29	1.0
Beryllium	ND		0.080	1.0
Cadmium	ND		0.10	1.0
Chromium	ND		0.50	2.0
Cobalt	ND		0.054	1.0
Copper	ND		0.56	2.0
Lead	ND		0.18	1.0
Manganese	ND		0.31	1.0
Molybdenum	ND		0.14	2.0
Nickel	ND		0.30	2.0
Selenium	ND		0.70	5.0
Silver	ND		0.033	5.0
Thallium	ND		0.050	1.0
Uranium	ND		0.050	1.0
Vanadium	ND		0.50	5.0
Zinc	ND		2.0	10

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117181

Method: 6020
Preparation: 3020A

LCS Lab Sample ID:	LCS 280-117181/2-A	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	126SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1750	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117181/3-A	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	127SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1753	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	95	96	85 - 115	0	20		
Arsenic	90	88	85 - 117	2	20		
Barium	101	101	85 - 118	0	20		
Beryllium	90	97	80 - 125	7	20		
Cadmium	96	96	85 - 115	0	20		
Chromium	100	104	84 - 121	4	20		
Cobalt	102	102	85 - 120	0	20		
Copper	103	105	85 - 119	2	20		
Lead	104	103	85 - 118	1	20		
Manganese	104	104	85 - 117	0	20		
Molybdenum	96	101	85 - 119	5	20		
Nickel	103	104	85 - 119	1	20		
Selenium	79	81	77 - 122	2	20		
Silver	101	102	85 - 115	1	20		
Thallium	104	102	85 - 118	1	20		
Uranium	104	104	85 - 119	1	20		
Vanadium	98	106	85 - 120	8	20		
Zinc	87	90	83 - 122	3	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117181

Method: 6020
Preparation: 3020A

LCS Lab Sample ID:	LCS 280-117181/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-117181/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/02/2012 1750			Analysis Date:	05/02/2012 1753
Prep Date:	05/02/2012 0800			Prep Date:	05/02/2012 0800
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Antimony	40.0	40.0	38.2	38.3
Arsenic	40.0	40.0	36.1	35.3
Barium	40.0	40.0	40.5	40.6
Beryllium	40.0	40.0	36.0	38.7
Cadmium	40.0	40.0	38.4	38.2
Chromium	40.0	40.0	39.9	41.4
Cobalt	40.0	40.0	40.9	41.0
Copper	40.0	40.0	41.2	42.1
Lead	40.0	40.0	41.5	41.0
Manganese	40.0	40.0	41.5	41.5
Molybdenum	40.0	40.0	38.6	40.4
Nickel	40.0	40.0	41.1	41.6
Selenium	40.0	40.0	31.6	32.3
Silver	40.0	40.0	40.4	40.9
Thallium	40.0	40.0	41.5	40.9
Uranium	40.0	40.0	41.5	41.8
Vanadium	40.0	40.0	39.1	42.5
Zinc	40.0	40.0	35.0	36.0

Client: U.S. Geological Survey

Job Number: 280-28076-1

Post Digestion Spike - Batch: 280-117181

Method: 6020
Preparation: 3020A

Lab Sample ID:	280-28131-S-4-B PDS	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	136SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1820	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	ND		200	192	96	75 - 125	
Arsenic	0.38	J	200	183	91	75 - 125	
Barium	19		200	229	105	75 - 125	
Beryllium	ND		200	184	92	75 - 125	
Cadmium	0.11	J	200	187	93	75 - 125	
Chromium	ND		200	204	102	75 - 125	
Cobalt	ND		200	208	104	75 - 125	
Copper	ND		200	203	101	75 - 125	
Lead	ND		200	200	100	75 - 125	
Manganese	0.57	J	200	209	104	75 - 125	
Molybdenum	9.8		200	212	101	75 - 125	
Nickel	0.30	J	200	203	102	75 - 125	
Selenium	ND		200	163	82	75 - 125	
Silver	ND		200	129	65	75 - 125	W
Thallium	0.068	J	200	201	100	75 - 125	
Uranium	0.14	J	200	211	106	75 - 125	
Vanadium	ND		200	214	107	75 - 125	
Zinc	ND		200	173	87	75 - 125	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117181

Method: 6020
Preparation: 3020A

MS Lab Sample ID:	280-28131-S-4-C MS	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	134SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1814			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-S-4-D MSD	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	135SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1817			Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	90	92	85 - 115	1	20		
Arsenic	94	94	85 - 117	0	20		
Barium	103	112	85 - 118	5	20		
Beryllium	91	89	80 - 125	2	20		
Cadmium	89	87	85 - 115	2	20		
Chromium	99	101	84 - 121	2	20		
Cobalt	98	105	85 - 120	7	20		
Copper	97	101	85 - 119	3	20		
Lead	95	100	85 - 118	6	20		
Manganese	101	107	85 - 117	5	20		
Molybdenum	95	104	85 - 119	7	20		
Nickel	95	102	85 - 119	7	20		
Selenium	70	71	77 - 122	2	20	F	F
Silver	90	96	85 - 115	6	20		
Thallium	95	99	85 - 118	3	20		
Uranium	99	104	85 - 119	4	20		
Vanadium	104	108	85 - 120	4	20		
Zinc	82	89	83 - 122	8	20	F	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117181

Method: 6020
Preparation: 3020A

MS Lab Sample ID:	280-28131-S-4-C MS	Units:	ug/L	MSD Lab Sample ID:	280-28131-S-4-D MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/02/2012 1814			Analysis Date:	05/02/2012 1817
Prep Date:	05/02/2012 0800			Prep Date:	05/02/2012 0800
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	ND		40.0	40.0	36.2		36.6	
Arsenic	0.38	J	40.0	40.0	37.9		38.0	
Barium	19		40.0	40.0	60.1		63.5	
Beryllium	ND		40.0	40.0	36.4		35.8	
Cadmium	0.11	J	40.0	40.0	35.6		34.9	
Chromium	ND		40.0	40.0	39.7		40.4	
Cobalt	ND		40.0	40.0	39.1		41.8	
Copper	ND		40.0	40.0	39.0		40.2	
Lead	ND		40.0	40.0	37.9		40.1	
Manganese	0.57	J	40.0	40.0	40.9		43.2	
Molybdenum	9.8		40.0	40.0	47.8		51.3	
Nickel	0.30	J	40.0	40.0	38.3		41.1	
Selenium	ND		40.0	40.0	28.1	F	28.6	F
Silver	ND		40.0	40.0	36.0		38.4	
Thallium	0.068	J	40.0	40.0	38.3		39.5	
Uranium	0.14	J	40.0	40.0	39.8		41.7	
Vanadium	ND		40.0	40.0	41.6		43.2	
Zinc	ND		40.0	40.0	32.7	F	35.5	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Serial Dilution - Batch: 280-117181

Method: 6020
Preparation: 3020A

Lab Sample ID:	280-28131-S-4-B SD ^5	Analysis Batch:	280-118058	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117181	Lab File ID:	131SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/02/2012 1805	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/02/2012 0800				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	ND		ND	NC	10	
Arsenic	0.38	J	ND	NC	10	
Barium	19		20.4	9.0	10	
Beryllium	ND		ND	NC	10	
Cadmium	0.11	J	ND	NC	10	
Chromium	ND		ND	NC	10	
Cobalt	ND		ND	NC	10	
Copper	ND		ND	NC	10	
Lead	ND		ND	NC	10	
Manganese	0.57	J	ND	NC	10	
Molybdenum	9.8		8.69	12	10	J
Nickel	0.30	J	ND	NC	10	
Selenium	ND		ND	NC	10	
Silver	ND		ND	NC	10	
Thallium	0.068	J	ND	NC	10	
Uranium	0.14	J	ND	NC	10	
Vanadium	ND		ND	NC	10	
Zinc	ND		ND	NC	10	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117185

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-117185/1-A	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	020SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1439	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dissolved Antimony	0.782	J	0.40	2.0
Dissolved Arsenic	ND		0.33	5.0
Dissolved Barium	ND		0.29	1.0
Dissolved Beryllium	ND		0.080	1.0
Dissolved Cadmium	ND		0.10	1.0
Dissolved Chromium	ND		0.50	2.0
Dissolved Cobalt	0.0800	J	0.054	1.0
Dissolved Copper	ND		0.56	2.0
Dissolved Lead	ND		0.18	1.0
Dissolved Manganese	ND		0.31	1.0
Dissolved Molybdenum	ND		0.14	2.0
Dissolved Nickel	ND		0.30	2.0
Dissolved Selenium	ND		0.70	5.0
Dissolved Silver	ND		0.033	5.0
Dissolved Thallium	ND		0.050	1.0
Dissolved Uranium	ND		0.050	1.0
Dissolved Vanadium	ND		0.50	5.0
Dissolved Zinc	ND	^	2.0	10

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117185

Method: 6020
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 280-117185/2-A	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	021SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1442	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117185/3-A	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	022SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1445	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dissolved Antimony	100	99	85 - 115	2	20		
Dissolved Arsenic	91	86	85 - 117	6	20		
Dissolved Barium	101	99	85 - 118	2	20		
Dissolved Beryllium	91	94	80 - 125	4	20		
Dissolved Cadmium	94	96	85 - 115	2	20		
Dissolved Chromium	97	98	84 - 121	2	20		
Dissolved Cobalt	99	102	85 - 120	4	20		
Dissolved Copper	99	104	85 - 119	5	20		
Dissolved Lead	102	104	85 - 118	2	20		
Dissolved Manganese	103	105	85 - 117	2	20		
Dissolved Molybdenum	105	102	85 - 119	3	20		
Dissolved Nickel	105	105	85 - 119	0	20		
Dissolved Selenium	91	90	77 - 122	1	20		
Dissolved Silver	101	103	85 - 115	2	20		
Dissolved Thallium	102	104	85 - 118	2	20		
Dissolved Uranium	101	104	85 - 119	3	20		
Dissolved Vanadium	95	104	85 - 120	10	20		
Dissolved Zinc	96	101	83 - 122	5	20	^	^

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117185

Method: 6020
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 280-117185/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-117185/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2012 1442			Analysis Date:	05/01/2012 1445
Prep Date:	05/01/2012 0815			Prep Date:	05/01/2012 0815
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dissolved Antimony	40.0	40.0	40.0	39.4
Dissolved Arsenic	40.0	40.0	36.5	34.3
Dissolved Barium	40.0	40.0	40.3	39.5
Dissolved Beryllium	40.0	40.0	36.5	37.8
Dissolved Cadmium	40.0	40.0	37.8	38.4
Dissolved Chromium	40.0	40.0	38.7	39.4
Dissolved Cobalt	40.0	40.0	39.4	41.0
Dissolved Copper	40.0	40.0	39.7	41.7
Dissolved Lead	40.0	40.0	40.6	41.6
Dissolved Manganese	40.0	40.0	41.2	42.1
Dissolved Molybdenum	40.0	40.0	42.1	40.7
Dissolved Nickel	40.0	40.0	41.8	42.0
Dissolved Selenium	40.0	40.0	36.3	36.1
Dissolved Silver	40.0	40.0	40.3	41.3
Dissolved Thallium	40.0	40.0	40.7	41.6
Dissolved Uranium	40.0	40.0	40.3	41.5
Dissolved Vanadium	40.0	40.0	37.8	41.7
Dissolved Zinc	40.0	40.0	38.3 ^	40.3 ^

Client: U.S. Geological Survey

Job Number: 280-28076-1

Post Digestion Spike - Batch: 280-117185

Method: 6020
Preparation: 3005A
Dissolved

Lab Sample ID:	280-28131-BB-4-A PDS	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	034SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1521	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Antimony	ND		200	188	94	75 - 125	
Dissolved Arsenic	0.62	J	200	187	93	75 - 125	
Dissolved Barium	23		200	219	98	75 - 125	
Dissolved Beryllium	ND		200	186	93	75 - 125	
Dissolved Cadmium	ND		200	181	90	75 - 125	
Dissolved Chromium	ND		200	196	98	75 - 125	
Dissolved Cobalt	ND		200	198	99	75 - 125	
Dissolved Copper	ND		200	192	96	75 - 125	
Dissolved Lead	ND		200	188	94	75 - 125	
Dissolved Manganese	ND		200	203	102	75 - 125	
Dissolved Molybdenum	10		200	216	103	75 - 125	
Dissolved Nickel	ND		200	192	96	75 - 125	
Dissolved Selenium	ND		200	176	88	75 - 125	
Dissolved Silver	ND		200	126	63	75 - 125	W
Dissolved Thallium	ND		200	189	94	75 - 125	
Dissolved Uranium	ND		200	194	97	75 - 125	
Dissolved Vanadium	0.60	J	200	211	105	75 - 125	
Dissolved Zinc	ND		200	192	96	75 - 125	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117185

Method: 6020
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-28131-BB-4-E MS	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	032SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1515			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-BB-4-F MSD	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	033SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1518			Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dissolved Antimony	95	94	85 - 115	1	20		
Dissolved Arsenic	93	91	85 - 117	2	20		
Dissolved Barium	94	95	85 - 118	1	20		
Dissolved Beryllium	93	82	80 - 125	13	20		
Dissolved Cadmium	92	85	85 - 115	8	20		
Dissolved Chromium	102	95	84 - 121	7	20		
Dissolved Cobalt	101	94	85 - 120	8	20		
Dissolved Copper	95	96	85 - 119	1	20		
Dissolved Lead	97	91	85 - 118	6	20		
Dissolved Manganese	101	103	85 - 117	2	20		
Dissolved Molybdenum	101	98	85 - 119	3	20		
Dissolved Nickel	96	90	85 - 119	7	20		
Dissolved Selenium	82	73	77 - 122	12	20		F
Dissolved Silver	91	88	85 - 115	4	20		
Dissolved Thallium	97	92	85 - 118	5	20		
Dissolved Uranium	99	93	85 - 119	6	20		
Dissolved Vanadium	112	103	85 - 120	8	20		
Dissolved Zinc	91	92	83 - 122	0	20		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117185

Method: 6020
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-28131-BB-4-E MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	05/01/2012 1515		
Prep Date:	05/01/2012 0815		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28131-BB-4-F MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	05/01/2012 1518
Prep Date:	05/01/2012 0815
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Dissolved Antimony	ND		40.0	40.0	38.2	37.6	
Dissolved Arsenic	0.62	J	40.0	40.0	37.6	36.8	
Dissolved Barium	23		40.0	40.0	60.4	61.1	
Dissolved Beryllium	ND		40.0	40.0	37.3	32.9	
Dissolved Cadmium	ND		40.0	40.0	36.8	33.9	
Dissolved Chromium	ND		40.0	40.0	40.8	37.9	
Dissolved Cobalt	ND		40.0	40.0	40.5	37.5	
Dissolved Copper	ND		40.0	40.0	38.1	38.4	
Dissolved Lead	ND		40.0	40.0	38.7	36.3	
Dissolved Manganese	ND		40.0	40.0	40.4	41.2	
Dissolved Molybdenum	10		40.0	40.0	50.9	49.4	
Dissolved Nickel	ND		40.0	40.0	38.5	36.1	
Dissolved Selenium	ND		40.0	40.0	32.7	29.0	F
Dissolved Silver	ND		40.0	40.0	36.4	35.1	
Dissolved Thallium	ND		40.0	40.0	38.6	36.8	
Dissolved Uranium	ND		40.0	40.0	39.5	37.2	
Dissolved Vanadium	0.60	J	40.0	40.0	45.4	41.7	
Dissolved Zinc	ND		40.0	40.0	36.6	36.8	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Serial Dilution - Batch: 280-117185

Method: 6020
Preparation: 3005A
Dissolved

Lab Sample ID:	280-28131-BB-4-A SD ^5	Analysis Batch:	280-117880	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-117185	Lab File ID:	029SMPL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2012 1505	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Dissolved Antimony	ND		ND	NC	10	
Dissolved Arsenic	0.62	J	ND	NC	10	
Dissolved Barium	23		21.8	5.1	10	
Dissolved Beryllium	ND		ND	NC	10	
Dissolved Cadmium	ND		1.12	NC	10	J
Dissolved Chromium	ND		ND	NC	10	
Dissolved Cobalt	ND		ND	NC	10	
Dissolved Copper	ND		ND	NC	10	
Dissolved Lead	ND		ND	NC	10	
Dissolved Manganese	ND		ND	NC	10	
Dissolved Molybdenum	10		9.63	7.0	10	J
Dissolved Nickel	ND		ND	NC	10	
Dissolved Selenium	ND		ND	NC	10	
Dissolved Silver	ND		ND	NC	10	
Dissolved Thallium	ND		ND	NC	10	
Dissolved Uranium	ND		ND	NC	10	
Dissolved Vanadium	0.60	J	ND	NC	10	
Dissolved Zinc	ND		ND	NC	10	^

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117332

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-117332/1-A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117332	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1832	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.027	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117332

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-117332/2-A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117332	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1834	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117332/11-A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117332	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 2058	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	97	107	88 - 111	9	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117332

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-117332/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117332/11-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 1834			Analysis Date:	05/03/2012 2058
Prep Date:	05/03/2012 1230			Prep Date:	05/03/2012 1230
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	4.87	5.33

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117332

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-28131-BA-4-E MS	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117332	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1850			Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-BA-4-F MSD	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117332	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1852			Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	99	95	88 - 111	4	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117332

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-28131-BA-4-E MS	Units:	ug/L	MSD Lab Sample ID:	280-28131-BA-4-F MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 1850			Analysis Date:	05/03/2012 1852
Prep Date:	05/03/2012 1230			Prep Date:	05/03/2012 1230
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	5.00	5.00	4.95	4.76

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117333

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-117333/1-A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117333	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1802	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury, Dissolved	ND		0.027	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117333

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-117333/2-A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117333	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1804	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117333/3-A	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117333	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1806	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury, Dissolved	97	98	88 - 111	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117333

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-117333/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-117333/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 1804			Analysis Date:	05/03/2012 1806
Prep Date:	05/03/2012 1230			Prep Date:	05/03/2012 1230
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury, Dissolved	5.00	5.00	4.87	4.91

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117333

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	280-28131-BA-4-B MS	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117333	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1822			Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-BA-4-C MSD	Analysis Batch:	280-118315	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-117333	Lab File ID:	120503aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/03/2012 1825			Final Weight/Volume:	30 mL
Prep Date:	05/03/2012 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury, Dissolved	91	97	88 - 111	5	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117333

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	280-28131-BA-4-B MS	Units:	ug/L	MSD Lab Sample ID:	280-28131-BA-4-C MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/03/2012 1822			Analysis Date:	05/03/2012 1825
Prep Date:	05/03/2012 1230			Prep Date:	05/03/2012 1230
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury, Dissolved	ND	5.00	5.00	4.57	4.83

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-119085

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-119085/37	Analysis Batch:	280-119085	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/09/2012 1334	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ammonia	0.0430	J	0.022	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-119085

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119085/21	Analysis Batch:	280-119085	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/09/2012 1310	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-119085/22	Analysis Batch:	280-119085	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/09/2012 1312	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	103	100	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-119085

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119085/21	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-119085/22
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2012 1310			Analysis Date:	05/09/2012 1312
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.14	5.02

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119085

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-28131-AF-4 MS	Analysis Batch:	280-119085	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/09/2012 1319			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-AF-4 MSD	Analysis Batch:	280-119085	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/09/2012 1321			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	49	48	90 - 110	2	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119085

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-28131-AF-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-AF-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2012 1319			Analysis Date:	05/09/2012 1321
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.79	4.00	4.00	2.77	F	2.72	F

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-119089

Method: 353.2
Preparation: N/A

Lab Sample ID:	MB 280-119089/20	Analysis Batch:	280-119089	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/09/2012 1309	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Nitrate Nitrite as N	ND		0.019	0.10

Method Reporting Limit Check - Batch: 280-119089

Method: 353.2
Preparation: N/A

Lab Sample ID:	MRL 280-119089/18	Analysis Batch:	280-119089	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/09/2012 1258	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	0.100	0.0951	95	50 - 150	J

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-119089

Method: 353.2
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119089/21	Analysis Batch:	280-119089	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/09/2012 1310	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-119089/22	Analysis Batch:	280-119089	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/09/2012 1312	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrite as N	102	101	90 - 110	0	10		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-119089

Method: 353.2
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119089/21	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-119089/22
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2012 1310			Analysis Date:	05/09/2012 1312
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate Nitrite as N	5.00	5.00	5.08	5.06

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119089

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	280-28131-AF-4 MS	Analysis Batch:	280-119089	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/09/2012 1319			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-AF-4 MSD	Analysis Batch:	280-119089	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0509NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/09/2012 1321			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	104	107	90 - 110	3	17		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119089

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	280-28131-AF-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-AF-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2012 1319			Analysis Date:	05/09/2012 1321
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate Nitrite as N	ND	4.00	4.00	4.16	4.28

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-119077

Method: 365.1
Preparation: 365.2/365.3/365

Lab Sample ID:	MB 280-119077/5-A	Analysis Batch:	280-119330	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119077	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2012 1718	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dissolved Phosphorus-Dissolved	ND		0.92	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-119077

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID:	LCS 280-119077/3-A	Analysis Batch:	280-119330	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119077	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2012 1713	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-119077/4-A	Analysis Batch:	280-119330	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119077	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2012 1715	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dissolved Phosphorus-Dissolved	101	102	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-119077

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID:	LCS 280-119077/3-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-119077/4-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/10/2012 1713			Analysis Date:	05/10/2012 1715
Prep Date:	05/08/2012 1900			Prep Date:	05/08/2012 1900
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dissolved Phosphorus-Dissolved	40.0	40.0	40.5	40.7

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119077

Method: 365.1
Preparation: 365.2/365.3/365
Dissolved

MS Lab Sample ID:	280-28131-AP-4-B MS	Analysis Batch:	280-119330	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119077	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2012 1758			Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-AP-4-C MSD	Analysis Batch:	280-119330	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119077	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2012 1805			Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dissolved Phosphorus-Dissolved	6	-0.9	90 - 110	5	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119077

Method: 365.1
Preparation: 365.2/365.3/365
Dissolved

MS Lab Sample ID:	280-28131-AP-4-B MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	2.0		
Analysis Date:	05/10/2012 1758		
Prep Date:	05/08/2012 1900		
Leach Date:	N/A		

MSD Lab Sample ID:	280-28131-AP-4-C MSD		
Client Matrix:	Water		
Dilution:	2.0		
Analysis Date:	05/10/2012 1805		
Prep Date:	05/08/2012 1900		
Leach Date:	N/A		

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dissolved Phosphorus-Dissolved	57	40.0	40.0	59.4	F	56.8	F

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-119081

Method: 365.1
Preparation: 365.2/365.3/365

Lab Sample ID:	MB 280-119081/3-A	Analysis Batch:	280-119513	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119081	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1526	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Phosphorus	2.33	J	0.92	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-119081

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID:	LCS 280-119081/1-A	Analysis Batch:	280-119513	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119081	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1521	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-119081/2-A	Analysis Batch:	280-119513	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119081	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1524	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Phosphorus	97	98	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-119081

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID:	LCS 280-119081/1-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-119081/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/11/2012 1521			Analysis Date:	05/11/2012 1524
Prep Date:	05/08/2012 1900			Prep Date:	05/08/2012 1900
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Phosphorus	40.0	40.0	38.8	39.0

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119081

Method: 365.1
Preparation: 365.2/365.3/365

MS Lab Sample ID:	280-28131-AO-4-B MS	Analysis Batch:	280-119513	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119081	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1535			Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-AO-4-C MSD	Analysis Batch:	280-119513	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-119081	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1538			Final Weight/Volume:	50 mL
Prep Date:	05/08/2012 1900				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Phosphorus	10	13	90 - 110	1	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119081

Method: 365.1
Preparation: 365.2/365.3/365

MS Lab Sample ID:	280-28131-AO-4-B MS	Units:	ug/L	MSD Lab Sample ID:	280-28131-AO-4-C MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	2.0			Dilution:	2.0
Analysis Date:	05/11/2012 1535			Analysis Date:	05/11/2012 1538
Prep Date:	05/08/2012 1900			Prep Date:	05/08/2012 1900
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Total Phosphorus	100	40.0	40.0	106	F	107	F

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 680-235205

Method: 425.1
Preparation: N/A

Lab Sample ID:	MB 680-235205/3	Analysis Batch:	680-235205	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/24/2012 1304	Units:	mg/l LAS MW 340	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methylene Blue Active Substances	ND		0.12	0.20

Lab Control Sample - Batch: 680-235205

Method: 425.1
Preparation: N/A

Lab Sample ID:	LCS 680-235205/4	Analysis Batch:	680-235205	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/24/2012 1304	Units:	mg/l LAS MW 340	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Blue Active Substances	0.500	0.476	95	70 - 130	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-235205

Method: 425.1
Preparation: N/A

MS Lab Sample ID:	680-78834-A-2 MS	Analysis Batch:	680-235205	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/24/2012 1304			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	680-78834-A-2 MSD	Analysis Batch:	680-235205	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/24/2012 1304			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methylene Blue Active Substances	89	84	70 - 130	5	15		

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-235205

Method: 425.1
Preparation: N/A

MS Lab Sample ID:	680-78834-A-2 MS	Units:	mg/l LAS MW 340	MSD Lab Sample ID:	680-78834-A-2 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/24/2012 1304			Analysis Date:	04/24/2012 1304
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Methylene Blue Active Substances	0.13	J	0.500	0.500	0.573	0.547

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117895

Method: 9056
Preparation: N/A

Lab Sample ID:	MB 280-117895/14	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1504	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloride, Dissolved	ND		0.25	3.0
Bromide, Dissolved	ND		0.11	0.20
Sulfate, Dissolved	ND		0.23	5.0
Fluoride, Dissolved	ND		0.060	0.50

Method Reporting Limit Check - Batch: 280-117895

Method: 9056
Preparation: N/A

Lab Sample ID:	MRL 280-117895/11	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	110.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1412	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride, Dissolved	1.00	1.07	107	50 - 150	J
Bromide, Dissolved	0.200	0.217	109	50 - 150	
Sulfate, Dissolved	1.00	1.12	112	50 - 150	J
Fluoride, Dissolved	0.200	0.212	106	50 - 150	J

Client: U.S. Geological Survey

Job Number: 280-28076-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117895

Method: 9056
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117895/12	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1429	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-117895/13	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1447	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride, Dissolved	100	99	90 - 110	0	10		
Bromide, Dissolved	97	96	90 - 110	0	10		
Sulfate, Dissolved	100	99	90 - 110	1	10		
Fluoride, Dissolved	101	101	90 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117895

Method: 9056
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117895/12	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-117895/13
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2012 1429			Analysis Date:	05/01/2012 1447
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride, Dissolved	25.0	25.0	24.9	24.8
Bromide, Dissolved	5.00	5.00	4.83	4.81
Sulfate, Dissolved	25.0	25.0	24.9	24.8
Fluoride, Dissolved	5.00	5.00	5.05	5.07

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117895

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-28131-U-4 MS	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1705			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-U-4 MSD	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1722			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride, Dissolved	105	107	80 - 120	1	20	E	E
Bromide, Dissolved	100	102	80 - 120	2	20		
Fluoride, Dissolved	92	94	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117895

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-28131-U-4 MS	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	131.TXT
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 2016			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-U-4 MSD	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	132.TXT
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 2033			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate, Dissolved	104	104	80 - 120	0	20	E	E

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117895

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-28131-U-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-U-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2012 1705			Analysis Date:	05/01/2012 1722
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloride, Dissolved	26		25.0	25.0	52.4	E	52.9	E
Bromide, Dissolved	0.17	J	5.00	5.00	5.17		5.27	
Fluoride, Dissolved	3.1		5.00	5.00	7.65		7.75	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-117895

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-28131-U-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-U-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	10			Dilution:	10
Analysis Date:	05/01/2012 2016			Analysis Date:	05/01/2012 2033
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Sulfate, Dissolved	380		250	250	638	E	638	E

Client: U.S. Geological Survey

Job Number: 280-28076-1

Duplicate - Batch: 280-117895

Method: 9056
Preparation: N/A

Lab Sample ID:	280-28131-U-4 DU	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1648	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chloride, Dissolved	26		26.1	0.1	15	
Bromide, Dissolved	0.17	J	0.166	0.6	15	J
Fluoride, Dissolved	3.1		3.03	1	15	

Duplicate - Batch: 280-117895

Method: 9056
Preparation: N/A

Lab Sample ID:	280-28131-U-4 DU	Analysis Batch:	280-117895	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	130.TXT
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/01/2012 1958	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate, Dissolved	380	378	0.05	15	

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-118783

Method: 9060
Preparation: N/A

Lab Sample ID:	MB 280-118783/5	Analysis Batch:	280-118783	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/07/2012 1831	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon - Average	ND		0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-118783

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-118783/3	Analysis Batch:	280-118783	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/07/2012 1751	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-118783/4	Analysis Batch:	280-118783	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/07/2012 1812	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Average	97	97	88 - 112	0	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-118783

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-118783/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-118783/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2012 1751			Analysis Date:	05/07/2012 1812
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Average	25.0	25.0	24.4	24.3

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118783

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-AM-4 MS	Analysis Batch:	280-118783	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2012 1954			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-AM-4 MSD	Analysis Batch:	280-118783	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2012 2012			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Average	98	98	88 - 112	0	15		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118783

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-AM-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-AM-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2012 1954			Analysis Date:	05/07/2012 2012
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Average	4.0	25.0	25.0	28.5	28.4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-118784

Method: 9060
Preparation: N/A

Lab Sample ID:	MB 280-118784/5	Analysis Batch:	280-118784	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/07/2012 1831	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dissolved Organic Carbon - Quad-Dissolved	ND		0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-118784

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-118784/3	Analysis Batch:	280-118784	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/07/2012 1751	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-118784/4	Analysis Batch:	280-118784	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/07/2012 1812	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dissolved Organic Carbon - Quad-Dissolved	97	97	88 - 112	0	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-118784

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-118784/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-118784/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2012 1751			Analysis Date:	05/07/2012 1812
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dissolved Organic Carbon - Quad-Dissolved	25.0	25.0	24.4	24.3

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118784

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-AI-4 MS	Analysis Batch:	280-118784	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2012 2236			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-AI-4 MSD	Analysis Batch:	280-118784	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	050712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2012 2255			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dissolved Organic Carbon - Quad-Dissolved	101	101	88 - 112	0	15		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-118784

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-AI-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-AI-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2012 2236			Analysis Date:	05/07/2012 2255
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dissolved Organic Carbon - Quad-Dissolved	4.3	25.0	25.0	29.4	29.5

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-119489

Method: 9060
Preparation: N/A

Lab Sample ID:	MB 280-119489/5	Analysis Batch:	280-119489	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	051112.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/11/2012 0927	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Inorganic Carbon - Quad	ND		0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-119489

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119489/3	Analysis Batch:	280-119489	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	051112.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/11/2012 0859	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-119489/4	Analysis Batch:	280-119489	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	051112.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/11/2012 0913	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Inorganic Carbon - Quad	101	102	88 - 112	0	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-119489

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119489/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-119489/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/11/2012 0859			Analysis Date:	05/11/2012 0913
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Inorganic Carbon - Quad	25.0	25.0	25.4	25.4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119489

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-X-4 MS	Analysis Batch:	280-119489	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	051112.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1241			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-X-4 MSD	Analysis Batch:	280-119489	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	051112.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 1258			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Inorganic Carbon - Quad	95	103	88 - 112	4	15	E	E

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119489

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-X-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-X-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/11/2012 1241			Analysis Date:	05/11/2012 1258
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Total Inorganic Carbon - Quad	22	25.0	25.0	46.0	E	48.1	E

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-119515

Method: 9060
Preparation: N/A

Lab Sample ID:	MB 280-119515/5	Analysis Batch:	280-119515	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	05/11/2012 0835	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dissolved Inorganic Carbon - Quad-Dissolved	ND		0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-119515

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119515/3	Analysis Batch:	280-119515	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/11/2012 0835	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-119515/4	Analysis Batch:	280-119515	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	05/11/2012 0835	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dissolved Inorganic Carbon - Quad-Dissolved	101	102	88 - 112	0	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-119515

Method: 9060
Preparation: N/A

LCS Lab Sample ID:	LCS 280-119515/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-119515/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/11/2012 0835			Analysis Date:	05/11/2012 0835
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dissolved Inorganic Carbon - Quad-Dissolved	25.0	25.0	25.4	25.4

Client: U.S. Geological Survey

Job Number: 280-28076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119515

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-W-4 MS	Analysis Batch:	280-119515	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 0835			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-28131-W-4 MSD	Analysis Batch:	280-119515	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/11/2012 0835			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dissolved Inorganic Carbon -	103	103	88 - 112	0	15	E	E

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-119515

Method: 9060
Preparation: N/A

MS Lab Sample ID:	280-28131-W-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-28131-W-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/11/2012 0835			Analysis Date:	05/11/2012 0835
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dissolved Inorganic Carbon -	20	25.0	25.0	45.8	E	45.8	E

Client: U.S. Geological Survey

Job Number: 280-28076-1

Method Blank - Batch: 280-117267

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-117267/1	Analysis Batch:	280-117267	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/27/2012 0851	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-117267

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117267/2	Analysis Batch:	280-117267	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/27/2012 0851	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 280-117267/3	Analysis Batch:	280-117267	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/27/2012 0851	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	99	99	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-117267

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-117267/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-117267/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/27/2012 0851			Analysis Date:	04/27/2012 0851
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	501	501	495	495

Client: U.S. Geological Survey

Job Number: 280-28076-1

Duplicate - Batch: 280-117267

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-27933-A-7 DU	Analysis Batch:	280-117267	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/27/2012 0851	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	210	206	1	10	

DATA REPORTING QUALIFIERS

Client: U.S. Geological Survey Job Number: 280-28076-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	F	MS or MSD exceeds the control limits
	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.
	F	RPD of the MS and MSD exceeds the control limits
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	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.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
GC VOA		
	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.
	X	Surrogate is outside control limits

DATA REPORTING QUALIFIERS

Client: U.S. Geological Survey Job Number: 280-28076-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	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		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-117414					
LCS 280-117414/5	Lab Control Sample	T	Water	8260B	
LCS 280-117414/8	Lab Control Sample	T	Water	8260B	
LCSD 280-117414/6	Lab Control Sample Duplicate	T	Water	8260B	
LCSD 280-117414/9	Lab Control Sample Duplicate	T	Water	8260B	
MB 280-117414/10	Method Blank	T	Water	8260B	
280-28076-1	MW02	T	Water	8260B	
280-28076-2	MW02 (UNPRESERVED)	T	Water	8260B	
280-28131-E-12 MS	Matrix Spike	T	Water	8260B	
280-28131-E-12 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-117171					
LCS 280-117171/2-A	Lab Control Sample	T	Water	3520C	
LCS 280-117171/2-ADL	Lab Control Sample	T	Water	3520C	
LCSD 280-117171/3-A	Lab Control Sample Duplicate	T	Water	3520C	
LCSD 280-117171/3-ADL	Lab Control Sample Duplicate	T	Water	3520C	
MB 280-117171/1-A	Method Blank	T	Water	3520C	
280-28076-1	MW02	T	Water	3520C	
280-28076-1DL	MW02	T	Water	3520C	
280-28131-B-4-A MS	Matrix Spike	T	Water	3520C	
280-28131-B-4-A MSDL	Matrix Spike	T	Water	3520C	
280-28131-S-4-A MSD	Matrix Spike Duplicate	T	Water	3520C	
280-28131-S-4-A MSDDL	Matrix Spike Duplicate	T	Water	3520C	
Prep Batch: 280-117187					
LCS 280-117187/2-A	Lab Control Sample	T	Water	3510C	
MB 280-117187/1-A	Method Blank	T	Water	3510C	
280-28076-1	MW02	T	Water	3510C	
280-28131-F-4-A MS	Matrix Spike	T	Water	3510C	
280-28131-R-4-G MSD	Matrix Spike Duplicate	T	Water	3510C	
Analysis Batch:280-118594					
LCS 280-117187/2-A	Lab Control Sample	T	Water	8270C SIM	280-117187
MB 280-117187/1-A	Method Blank	T	Water	8270C SIM	280-117187
280-28076-1	MW02	T	Water	8270C SIM	280-117187
280-28131-F-4-A MS	Matrix Spike	T	Water	8270C SIM	280-117187
280-28131-R-4-G MSD	Matrix Spike Duplicate	T	Water	8270C SIM	280-117187
Analysis Batch:280-119099					
LCS 280-117171/2-A	Lab Control Sample	T	Water	8270C	280-117171
LCS 280-117171/2-ADL	Lab Control Sample	T	Water	8270C	280-117171
LCSD 280-117171/3-A	Lab Control Sample Duplicate	T	Water	8270C	280-117171
LCSD 280-117171/3-ADL	Lab Control Sample Duplicate	T	Water	8270C	280-117171
MB 280-117171/1-A	Method Blank	T	Water	8270C	280-117171
280-28076-1	MW02	T	Water	8270C	280-117171
280-28131-B-4-A MS	Matrix Spike	T	Water	8270C	280-117171
280-28131-S-4-A MSD	Matrix Spike Duplicate	T	Water	8270C	280-117171
Analysis Batch:280-119208					
280-28076-1DL	MW02	T	Water	8270C	280-117171
280-28131-B-4-A MSDL	Matrix Spike	T	Water	8270C	280-117171
280-28131-S-4-A MSDDL	Matrix Spike Duplicate	T	Water	8270C	280-117171

Report Basis
T = Total

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:180-34676					
LCS 180-34676/3	Lab Control Sample	T	Water	RSK-175	
LCSD 180-34676/4	Lab Control Sample Duplicate	T	Water	RSK-175	
MB 180-34676/2	Method Blank	T	Water	RSK-175	
280-28076-1	MW02	T	Water	RSK-175	
280-28131-H-4 MS	Matrix Spike	T	Water	RSK-175	
280-28131-H-4 MSD	Matrix Spike Duplicate	T	Water	RSK-175	
280-28131-B-12 MS	Matrix Spike	T	Water	RSK-175	
280-28131-B-12 MSD	Matrix Spike Duplicate	T	Water	RSK-175	
Analysis Batch:280-117506					
LCS 280-117506/3	Lab Control Sample	T	Water	8015B	
LCSD 280-117506/4	Lab Control Sample Duplicate	T	Water	8015B	
MB 280-117506/5	Method Blank	T	Water	8015B	
280-28076-2	MW02 (UNPRESERVED)	T	Water	8015B	
280-28131-A-12 MS	Matrix Spike	T	Water	8015B	
280-28131-A-12 MSD	Matrix Spike Duplicate	T	Water	8015B	
Analysis Batch:280-117914					
LCS 280-117914/3	Lab Control Sample	T	Water	8015B	
LCSD 280-117914/4	Lab Control Sample Duplicate	T	Water	8015B	
MB 280-117914/5	Method Blank	T	Water	8015B	
280-28076-1	MW02	T	Water	8015B	
280-28131-BN-4 MS	Matrix Spike	T	Water	8015B	
280-28131-BN-4 MSD	Matrix Spike Duplicate	T	Water	8015B	
Analysis Batch:280-117933					
LCS 280-117933/2	Lab Control Sample	T	Water	RSK-175	
LCSD 280-117933/3	Lab Control Sample Duplicate	T	Water	RSK-175	
MB 280-117933/4	Method Blank	T	Water	RSK-175	
280-28076-1	MW02	T	Water	RSK-175	
280-28131-W-3 DU	Duplicate	T	Water	RSK-175	
280-28131-BX-4 MS	Matrix Spike	T	Water	RSK-175	
280-28131-BX-4 MSD	Matrix Spike Duplicate	T	Water	RSK-175	

Report Basis
T = Total

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-117191					
LCS 280-117191/2-A	Lab Control Sample	T	Water	3510C	
LCSD 280-117191/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 280-117191/1-A	Method Blank	T	Water	3510C	
280-28076-1	MW02	T	Water	3510C	
280-28131-C-4-A MS	Matrix Spike	T	Water	3510C	
280-28131-E-4-A MSD	Matrix Spike Duplicate	T	Water	3510C	
Analysis Batch:280-119005					
LCS 280-117191/2-A	Lab Control Sample	T	Water	8015B	280-117191
LCSD 280-117191/3-A	Lab Control Sample Duplicate	T	Water	8015B	280-117191
MB 280-117191/1-A	Method Blank	T	Water	8015B	280-117191
280-28076-1	MW02	T	Water	8015B	280-117191
280-28131-C-4-A MS	Matrix Spike	T	Water	8015B	280-117191
280-28131-E-4-A MSD	Matrix Spike Duplicate	T	Water	8015B	280-117191

Report Basis
T = Total

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-117181					
LCS 280-117181/2-A	Lab Control Sample	T	Water	3020A	
LCSD 280-117181/3-A	Lab Control Sample Duplicate	T	Water	3020A	
MB 280-117181/1-A	Method Blank	T	Water	3020A	
280-28076-1	MW02	T	Water	3020A	
280-28131-S-4-C MS	Matrix Spike	T	Water	3020A	
280-28131-S-4-D MSD	Matrix Spike Duplicate	T	Water	3020A	
Prep Batch: 280-117184					
LCS 280-117184/2-A	Lab Control Sample	R	Water	3005A	
LCSD 280-117184/3-A	Lab Control Sample Duplicate	R	Water	3005A	
MB 280-117184/1-A	Method Blank	R	Water	3005A	
280-28076-1	MW02	D	Water	3005A	
280-28131-BB-4-C MS	Matrix Spike	D	Water	3005A	
280-28131-BB-4-D MSD	Matrix Spike Duplicate	D	Water	3005A	
Prep Batch: 280-117185					
LCS 280-117185/2-A	Lab Control Sample	R	Water	3005A	
LCSD 280-117185/3-A	Lab Control Sample Duplicate	R	Water	3005A	
MB 280-117185/1-A	Method Blank	R	Water	3005A	
280-28076-1	MW02	D	Water	3005A	
280-28131-BB-4-E MS	Matrix Spike	D	Water	3005A	
280-28131-BB-4-F MSD	Matrix Spike Duplicate	D	Water	3005A	
Prep Batch: 280-117332					
LCS 280-117332/2-A	Lab Control Sample	T	Water	7470A	
LCSD 280-117332/11-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 280-117332/1-A	Method Blank	T	Water	7470A	
280-28076-1	MW02	T	Water	7470A	
280-28131-BA-4-E MS	Matrix Spike	T	Water	7470A	
280-28131-BA-4-F MSD	Matrix Spike Duplicate	T	Water	7470A	
Prep Batch: 280-117333					
LCS 280-117333/2-A	Lab Control Sample	T	Water	7470A	
LCSD 280-117333/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 280-117333/1-A	Method Blank	T	Water	7470A	
280-28076-1	MW02	D	Water	7470A	
280-28131-BA-4-B MS	Matrix Spike	D	Water	7470A	
280-28131-BA-4-C MSD	Matrix Spike Duplicate	D	Water	7470A	
Analysis Batch:280-117859					
LCS 280-117184/2-A	Lab Control Sample	R	Water	6010B	280-117184
LCSD 280-117184/3-A	Lab Control Sample Duplicate	R	Water	6010B	280-117184
MB 280-117184/1-A	Method Blank	R	Water	6010B	280-117184
280-28076-1	MW02	D	Water	6010B	280-117184

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-117880					
LCS 280-117185/2-A	Lab Control Sample	R	Water	6020	280-117185
LCSD 280-117185/3-A	Lab Control Sample Duplicate	R	Water	6020	280-117185
MB 280-117185/1-A	Method Blank	R	Water	6020	280-117185
280-28076-1	MW02	D	Water	6020	280-117185
280-28131-BB-4-E MS	Matrix Spike	D	Water	6020	280-117185
280-28131-BB-4-F MSD	Matrix Spike Duplicate	D	Water	6020	280-117185
Analysis Batch:280-118058					
LCS 280-117181/2-A	Lab Control Sample	T	Water	6020	280-117181
LCSD 280-117181/3-A	Lab Control Sample Duplicate	T	Water	6020	280-117181
MB 280-117181/1-A	Method Blank	T	Water	6020	280-117181
280-28076-1	MW02	T	Water	6020	280-117181
280-28131-S-4-C MS	Matrix Spike	T	Water	6020	280-117181
280-28131-S-4-D MSD	Matrix Spike Duplicate	T	Water	6020	280-117181
Analysis Batch:280-118273					
280-28131-BB-4-C MS	Matrix Spike	D	Water	6010B	280-117184
280-28131-BB-4-D MSD	Matrix Spike Duplicate	D	Water	6010B	280-117184
Analysis Batch:280-118315					
LCS 280-117332/2-A	Lab Control Sample	T	Water	7470A	280-117332
LCSD 280-117332/11-A	Lab Control Sample Duplicate	T	Water	7470A	280-117332
MB 280-117332/1-A	Method Blank	T	Water	7470A	280-117332
LCS 280-117333/2-A	Lab Control Sample	T	Water	7470A	280-117333
LCSD 280-117333/3-A	Lab Control Sample Duplicate	T	Water	7470A	280-117333
MB 280-117333/1-A	Method Blank	T	Water	7470A	280-117333
280-28076-1	MW02	T	Water	7470A	280-117332
280-28076-1	MW02	D	Water	7470A	280-117333
280-28131-BA-4-E MS	Matrix Spike	T	Water	7470A	280-117332
280-28131-BA-4-F MSD	Matrix Spike Duplicate	T	Water	7470A	280-117332
280-28131-BA-4-B MS	Matrix Spike	D	Water	7470A	280-117333
280-28131-BA-4-C MSD	Matrix Spike Duplicate	D	Water	7470A	280-117333
Analysis Batch:280-118675					
280-28131-BB-4-C MS	Matrix Spike	D	Water	6010B	280-117184
280-28131-BB-4-D MSD	Matrix Spike Duplicate	D	Water	6010B	280-117184
Prep Batch: 280-118701					
LCS 280-118701/2-A	Lab Control Sample	T	Water	3010A	
LCSD 280-118701/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 280-118701/1-A	Method Blank	T	Water	3010A	
280-28076-1	MW02	T	Water	3010A	
280-28076-1MS	Matrix Spike	T	Water	3010A	
280-28076-1MSD	Matrix Spike Duplicate	T	Water	3010A	

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-118834					
LCS 280-118701/2-A	Lab Control Sample	T	Water	6010B	280-118701
LCSD 280-118701/3-A	Lab Control Sample Duplicate	T	Water	6010B	280-118701
MB 280-118701/1-A	Method Blank	T	Water	6010B	280-118701
280-28076-1	MW02	T	Water	6010B	280-118701
280-28076-1MS	Matrix Spike	T	Water	6010B	280-118701
280-28076-1MSD	Matrix Spike Duplicate	T	Water	6010B	280-118701
Analysis Batch:280-118969					
LCS 280-118701/2-A	Lab Control Sample	T	Water	6010B	280-118701
LCSD 280-118701/3-A	Lab Control Sample Duplicate	T	Water	6010B	280-118701
MB 280-118701/1-A	Method Blank	T	Water	6010B	280-118701
280-28076-1	MW02	T	Water	6010B	280-118701
280-28076-1MS	Matrix Spike	T	Water	6010B	280-118701
280-28076-1MSD	Matrix Spike Duplicate	T	Water	6010B	280-118701

Report Basis
D = Dissolved
R = Total Recoverable
T = Total

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-117267					
LCS 280-117267/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-117267/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-117267/1	Method Blank	T	Water	SM 2540C	
280-27933-A-7 DU	Duplicate	T	Water	SM 2540C	
280-28076-1	MW02	T	Water	SM 2540C	
Analysis Batch:280-117895					
LCS 280-117895/12	Lab Control Sample	T	Water	9056	
LCSD 280-117895/13	Lab Control Sample Duplicate	T	Water	9056	
MB 280-117895/14	Method Blank	T	Water	9056	
280-28076-1	MW02	T	Water	9056	
280-28131-U-4 DU	Duplicate	T	Water	9056	
280-28131-U-4 MS	Matrix Spike	T	Water	9056	
280-28131-U-4 MSD	Matrix Spike Duplicate	T	Water	9056	
Analysis Batch:280-118783					
LCS 280-118783/3	Lab Control Sample	T	Water	9060	
LCSD 280-118783/4	Lab Control Sample Duplicate	T	Water	9060	
MB 280-118783/5	Method Blank	T	Water	9060	
280-28076-1	MW02	T	Water	9060	
280-28131-AM-4 MS	Matrix Spike	T	Water	9060	
280-28131-AM-4 MSD	Matrix Spike Duplicate	T	Water	9060	
Analysis Batch:280-118784					
LCS 280-118784/3	Lab Control Sample	D	Water	9060	
LCSD 280-118784/4	Lab Control Sample Duplicate	D	Water	9060	
MB 280-118784/5	Method Blank	D	Water	9060	
280-28076-1	MW02	D	Water	9060	
280-28131-AI-4 MS	Matrix Spike	D	Water	9060	
280-28131-AI-4 MSD	Matrix Spike Duplicate	D	Water	9060	
Prep Batch: 280-119077					
LCS 280-119077/3-A	Lab Control Sample	T	Water	365.2/365.3/365	
LCSD 280-119077/4-A	Lab Control Sample Duplicate	T	Water	365.2/365.3/365	
MB 280-119077/5-A	Method Blank	T	Water	365.2/365.3/365	
280-28076-1	MW02	D	Water	365.2/365.3/365	
280-28131-AP-4-B MS	Matrix Spike	D	Water	365.2/365.3/365	
280-28131-AP-4-C MSD	Matrix Spike Duplicate	D	Water	365.2/365.3/365	

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 280-119081					
LCS 280-119081/1-A	Lab Control Sample	T	Water	365.2/365.3/365	
LCSD 280-119081/2-A	Lab Control Sample Duplicate	T	Water	365.2/365.3/365	
MB 280-119081/3-A	Method Blank	T	Water	365.2/365.3/365	
280-28076-1	MW02	T	Water	365.2/365.3/365	
280-28131-AO-4-B MS	Matrix Spike	T	Water	365.2/365.3/365	
280-28131-AO-4-C MSD	Matrix Spike Duplicate	T	Water	365.2/365.3/365	
Analysis Batch:280-119085					
LCS 280-119085/21	Lab Control Sample	T	Water	350.1	
LCSD 280-119085/22	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-119085/37	Method Blank	T	Water	350.1	
280-28076-1	MW02	T	Water	350.1	
280-28131-AF-4 MS	Matrix Spike	T	Water	350.1	
280-28131-AF-4 MSD	Matrix Spike Duplicate	T	Water	350.1	
Analysis Batch:280-119089					
LCS 280-119089/21	Lab Control Sample	T	Water	353.2	
LCSD 280-119089/22	Lab Control Sample Duplicate	T	Water	353.2	
MB 280-119089/20	Method Blank	T	Water	353.2	
280-28076-1	MW02	T	Water	353.2	
280-28131-AF-4 MS	Matrix Spike	T	Water	353.2	
280-28131-AF-4 MSD	Matrix Spike Duplicate	T	Water	353.2	
Analysis Batch:280-119330					
LCS 280-119077/3-A	Lab Control Sample	T	Water	365.1	280-119077
LCSD 280-119077/4-A	Lab Control Sample Duplicate	T	Water	365.1	280-119077
MB 280-119077/5-A	Method Blank	T	Water	365.1	280-119077
280-28131-AP-4-B MS	Matrix Spike	D	Water	365.1	280-119077
280-28131-AP-4-C MSD	Matrix Spike Duplicate	D	Water	365.1	280-119077
Analysis Batch:280-119489					
LCS 280-119489/3	Lab Control Sample	T	Water	9060	
LCSD 280-119489/4	Lab Control Sample Duplicate	T	Water	9060	
MB 280-119489/5	Method Blank	T	Water	9060	
280-28076-1	MW02	T	Water	9060	
280-28131-X-4 MS	Matrix Spike	T	Water	9060	
280-28131-X-4 MSD	Matrix Spike Duplicate	T	Water	9060	

Client: U.S. Geological Survey

Job Number: 280-28076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-119513					
LCS 280-119081/1-A	Lab Control Sample	T	Water	365.1	280-119081
LCSD 280-119081/2-A	Lab Control Sample Duplicate	T	Water	365.1	280-119081
MB 280-119081/3-A	Method Blank	T	Water	365.1	280-119081
280-28076-1	MW02	D	Water	365.1	280-119077
280-28076-1	MW02	T	Water	365.1	280-119081
280-28131-AO-4-B MS	Matrix Spike	T	Water	365.1	280-119081
280-28131-AO-4-C MSD	Matrix Spike Duplicate	T	Water	365.1	280-119081
Analysis Batch:280-119515					
LCS 280-119515/3	Lab Control Sample	D	Water	9060	
LCSD 280-119515/4	Lab Control Sample Duplicate	D	Water	9060	
MB 280-119515/5	Method Blank	D	Water	9060	
280-28076-1	MW02	D	Water	9060	
280-28131-W-4 MS	Matrix Spike	D	Water	9060	
280-28131-W-4 MSD	Matrix Spike Duplicate	D	Water	9060	
Analysis Batch:680-235205					
LCS 680-235205/4	Lab Control Sample	T	Water	425.1	
MB 680-235205/3	Method Blank	T	Water	425.1	
280-28076-1	MW02	T	Water	425.1	
680-78834-A-2 MS	Matrix Spike	T	Water	425.1	
680-78834-A-2 MSD	Matrix Spike Duplicate	T	Water	425.1	

Report Basis
D = Dissolved
T = Total

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

Lab ID: 280-28076-1 **Client ID:** MW02

Sample Date/Time: 04/22/2012 15:45 Received Date/Time: 04/24/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-28076-W-1		280-117414		04/27/2012 12:59	1	TAL DEN	GPM
A:8260B	280-28076-W-1		280-117414		04/27/2012 12:59	1	TAL DEN	GPM
P:3520C	280-28076-D-1-A		280-119099	280-117171	04/26/2012 16:07	1	TAL DEN	SHO
A:8270C	280-28076-D-1-A		280-119099	280-117171	05/08/2012 16:09	1	TAL DEN	MGH
P:3520C	280-28076-D-1-A	DL	280-119208	280-117171	04/26/2012 16:07	4	TAL DEN	SHO
A:8270C	280-28076-D-1-A	DL	280-119208	280-117171	05/09/2012 16:21	4	TAL DEN	MGH
P:3510C	280-28076-B-1-A		280-118594	280-117187	04/26/2012 17:00	4	TAL DEN	MRM
A:8270C SIM	280-28076-B-1-A		280-118594	280-117187	05/05/2012 01:07	4	TAL DEN	KGV
P:5030B	280-28076-V-1		280-117914		05/01/2012 18:31	1	TAL DEN	AMB
A:8015B	280-28076-V-1		280-117914		05/01/2012 18:31	1	TAL DEN	AMB
A:RSK-175	280-28076-S-1		180-34676		04/30/2012 09:31	1	TAL PIT	RG
A:RSK-175	280-28076-T-1		180-34676		04/30/2012 14:48	2	TAL PIT	RG
A:RSK-175	280-28076-AD-1		280-117933		05/01/2012 15:52	18	TAL DEN	MPS
P:3510C	280-28076-E-1-A		280-119005	280-117191	04/26/2012 17:00	1	TAL DEN	MRM
A:8015B	280-28076-E-1-A		280-119005	280-117191	05/03/2012 07:39	1	TAL DEN	MRB
P:3005A	280-28076-S-1-B		280-117859	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	280-28076-S-1-B		280-117859	280-117184	05/02/2012 02:04	1	TAL DEN	JKH
P:3010A	280-28076-R-1-E		280-118834	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	280-28076-R-1-E		280-118834	280-118701	05/08/2012 08:58	1	TAL DEN	HEB
P:3010A	280-28076-R-1-E		280-118969	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	280-28076-R-1-E		280-118969	280-118701	05/08/2012 17:02	1	TAL DEN	HEB
P:3005A	280-28076-S-1-A		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	280-28076-S-1-A		280-117880	280-117185	05/01/2012 14:48	1	TAL DEN	LT
P:3005A	280-28076-S-1-A		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	280-28076-S-1-A		280-117880	280-117185	05/01/2012 15:30	1	TAL DEN	LT
P:3020A	280-28076-R-1-A		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	280-28076-R-1-A		280-118058	280-117181	05/02/2012 18:29	1	TAL DEN	LT
P:7470A	280-28076-R-1-C		280-118315	280-117333	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	280-28076-R-1-C		280-118315	280-117333	05/03/2012 18:09	1	TAL DEN	BLR
P:7470A	280-28076-R-1-D		280-118315	280-117332	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	280-28076-R-1-D		280-118315	280-117332	05/03/2012 18:36	1	TAL DEN	BLR
A:350.1	280-28076-I-1		280-119085		05/09/2012 13:13	1	TAL DEN	SJS
A:353.2	280-28076-I-1		280-119089		05/09/2012 13:13	1	TAL DEN	SJS
P:365.2/365.3/365	280-28076-N-1-A		280-119513	280-119081	05/08/2012 19:00	2	TAL DEN	MW
A:365.1	280-28076-N-1-A		280-119513	280-119081	05/11/2012 15:54	2	TAL DEN	MW
P:365.2/365.3/365	280-28076-O-1-A		280-119513	280-119077	05/08/2012 19:00	2	TAL DEN	MW
A:365.1	280-28076-O-1-A		280-119513	280-119077	05/11/2012 15:56	2	TAL DEN	MW
A:425.1	280-28076-A-1		680-235205		04/24/2012 13:04	1	TAL SAV	WB
A:9056	280-28076-G-1		280-117895		05/01/2012 15:39	1	TAL DEN	EK
A:9056	280-28076-G-1		280-117895		05/01/2012 18:49	20	TAL DEN	EK
A:9060	280-28076-H-1		280-118783		05/07/2012 18:49	1	TAL DEN	DE
A:9060	280-28076-K-1		280-118784		05/07/2012 20:58	1	TAL DEN	DE

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

Lab ID: 280-28076-1 **Client ID:** MW02

Sample Date/Time: 04/22/2012 15:45 Received Date/Time: 04/24/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060	280-28076-M-1		280-119515		05/11/2012 08:35	1	TAL DEN	DE
A:9060	280-28076-L-1		280-119489		05/11/2012 11:43	1	TAL DEN	DE
A:SM 2540C	280-28076-G-1		280-117267		04/27/2012 08:51	1	TAL DEN	BJD

Lab ID: 280-28076-1 MS **Client ID:** MW02

Sample Date/Time: 04/22/2012 15:45 Received Date/Time: 04/24/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-28076-R-1-F MS		280-118834	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	280-28076-R-1-F MS		280-118834	280-118701	05/08/2012 09:04	1	TAL DEN	HEB
P:3010A	280-28076-R-1-F MS		280-118969	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	280-28076-R-1-F MS		280-118969	280-118701	05/08/2012 17:07	1	TAL DEN	HEB

Lab ID: 280-28076-1 MSD **Client ID:** MW02

Sample Date/Time: 04/22/2012 15:45 Received Date/Time: 04/24/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-28076-R-1-G MSD		280-118834	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	280-28076-R-1-G MSD		280-118834	280-118701	05/08/2012 09:07	1	TAL DEN	HEB
P:3010A	280-28076-R-1-G MSD		280-118969	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	280-28076-R-1-G MSD		280-118969	280-118701	05/08/2012 17:09	1	TAL DEN	HEB

Lab ID: 280-28076-1 SD **Client ID:** MW02

Sample Date/Time: 04/22/2012 15:45 Received Date/Time: 04/24/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-28076-R-1-E SD ^5		280-118834	280-118701	05/07/2012 14:00	5	TAL DEN	JM
A:6010B	280-28076-R-1-E SD ^5		280-118834	280-118701	05/08/2012 09:01	5	TAL DEN	HEB
P:3010A	280-28076-R-1-E SD ^5		280-118969	280-118701	05/07/2012 14:00	5	TAL DEN	JM
A:6010B	280-28076-R-1-E SD ^5		280-118969	280-118701	05/08/2012 17:05	5	TAL DEN	HEB

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Chronicle

Lab ID: 280-28076-2 **Client ID:** MW02 (UNPRESERVED)

Sample Date/Time: 04/22/2012 15:45 Received Date/Time: 04/24/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-28076-A-2		280-117414		04/27/2012 12:39	1	TAL DEN	GPM
A:8260B	280-28076-A-2		280-117414		04/27/2012 12:39	1	TAL DEN	GPM
P:5030B	280-28076-A-2		280-117506		04/27/2012 15:10	1	TAL DEN	AMB
A:8015B	280-28076-A-2		280-117506		04/27/2012 15:10	1	TAL DEN	AMB

Client: U.S. Geological Survey

Job Number: 280-28076-1

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:5030B	MB 280-117414/10		280-117414		04/27/2012 11:22	1	TAL DEN	GPM
A:8260B	MB 280-117414/10		280-117414		04/27/2012 11:22	1	TAL DEN	GPM
P:3520C	MB 280-117171/1-A		280-119099	280-117171	04/26/2012 16:07	1	TAL DEN	SHO
A:8270C	MB 280-117171/1-A		280-119099	280-117171	05/08/2012 11:55	1	TAL DEN	MGH
P:3510C	MB 280-117187/1-A		280-118594	280-117187	04/26/2012 17:00	1	TAL DEN	MRM
A:8270C SIM	MB 280-117187/1-A		280-118594	280-117187	05/04/2012 16:39	1	TAL DEN	KGV
P:5030B	MB 280-117506/5		280-117506		04/27/2012 13:40	1	TAL DEN	AMB
A:8015B	MB 280-117506/5		280-117506		04/27/2012 13:40	1	TAL DEN	AMB
P:5030B	MB 280-117914/5		280-117914		05/01/2012 14:57	1	TAL DEN	AMB
A:8015B	MB 280-117914/5		280-117914		05/01/2012 14:57	1	TAL DEN	AMB
A:RSK-175	MB 180-34676/2		180-34676		04/30/2012 08:47	1	TAL PIT	RG
A:RSK-175	MB 280-117933/4		280-117933		05/01/2012 12:12	1	TAL DEN	MPS
P:3510C	MB 280-117191/1-A		280-119005	280-117191	04/26/2012 17:00	1	TAL DEN	MRM
A:8015B	MB 280-117191/1-A		280-119005	280-117191	05/03/2012 02:47	1	TAL DEN	MRB
P:3005A	MB 280-117184/1-A		280-117859	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	MB 280-117184/1-A		280-117859	280-117184	05/02/2012 01:57	1	TAL DEN	JKH
P:3010A	MB 280-118701/1-A		280-118834	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	MB 280-118701/1-A		280-118834	280-118701	05/08/2012 08:50	1	TAL DEN	HEB
P:3010A	MB 280-118701/1-A		280-118969	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	MB 280-118701/1-A		280-118969	280-118701	05/08/2012 16:55	1	TAL DEN	HEB
P:3005A	MB 280-117185/1-A		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	MB 280-117185/1-A		280-117880	280-117185	05/01/2012 14:39	1	TAL DEN	LT
P:3020A	MB 280-117181/1-A		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	MB 280-117181/1-A		280-118058	280-117181	05/02/2012 17:47	1	TAL DEN	LT
P:7470A	MB 280-117333/1-A		280-118315	280-117333	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	MB 280-117333/1-A		280-118315	280-117333	05/03/2012 18:02	1	TAL DEN	BLR
P:7470A	MB 280-117332/1-A		280-118315	280-117332	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	MB 280-117332/1-A		280-118315	280-117332	05/03/2012 18:32	1	TAL DEN	BLR
A:350.1	MB 280-119085/37		280-119085		05/09/2012 13:34	1	TAL DEN	SJS
A:353.2	MB 280-119089/20		280-119089		05/09/2012 13:09	1	TAL DEN	SJS
P:365.2/365.3/365	MB 280-119077/5-A		280-119330	280-119077	05/08/2012 19:00	1	TAL DEN	MW
A:365.1	MB 280-119077/5-A		280-119330	280-119077	05/10/2012 17:18	1	TAL DEN	MW
P:365.2/365.3/365	MB 280-119081/3-A		280-119513	280-119081	05/08/2012 19:00	1	TAL DEN	MW
A:365.1	MB 280-119081/3-A		280-119513	280-119081	05/11/2012 15:26	1	TAL DEN	MW
A:425.1	MB 680-235205/3		680-235205		04/24/2012 13:04	1	TAL SAV	WB
A:9056	MB 280-117895/14		280-117895		05/01/2012 15:04	1	TAL DEN	EK
A:9060	MB 280-118783/5		280-118783		05/07/2012 18:31	1	TAL DEN	DE
A:9060	MB 280-118784/5		280-118784		05/07/2012 18:31	1	TAL DEN	DE
A:9060	MB 280-119515/5		280-119515		05/11/2012 08:35	1	TAL DEN	DE
A:9060	MB 280-119489/5		280-119489		05/11/2012 09:27	1	TAL DEN	DE
A:SM 2540C	MB 280-117267/1		280-117267		04/27/2012 08:51	1	TAL DEN	BJD

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-117414/5		280-117414		04/27/2012 09:22	1	TAL DEN	GPM
A:8260B	LCS 280-117414/5		280-117414		04/27/2012 09:22	1	TAL DEN	GPM
P:5030B	LCS 280-117414/8		280-117414		04/27/2012 10:42	1	TAL DEN	GPM
A:8260B	LCS 280-117414/8		280-117414		04/27/2012 10:42	1	TAL DEN	GPM
P:3520C	LCS 280-117171/2-A		280-119099	280-117171	04/26/2012 16:07	1	TAL DEN	SHO
A:8270C	LCS 280-117171/2-A		280-119099	280-117171	05/08/2012 12:13	1	TAL DEN	MGH
P:3520C	LCS 280-117171/2-A	DL	280-119099	280-117171	04/26/2012 16:07	4	TAL DEN	SHO
A:8270C	LCS 280-117171/2-A	DL	280-119099	280-117171	05/08/2012 12:49	4	TAL DEN	MGH
P:3510C	LCS 280-117187/2-A		280-118594	280-117187	04/26/2012 17:00	1	TAL DEN	MRM
A:8270C SIM	LCS 280-117187/2-A		280-118594	280-117187	05/04/2012 17:09	1	TAL DEN	KGV
P:5030B	LCS 280-117506/3		280-117506		04/27/2012 12:36	1	TAL DEN	AMB
A:8015B	LCS 280-117506/3		280-117506		04/27/2012 12:36	1	TAL DEN	AMB
P:5030B	LCS 280-117914/3		280-117914		05/01/2012 13:33	1	TAL DEN	AMB
A:8015B	LCS 280-117914/3		280-117914		05/01/2012 13:33	1	TAL DEN	AMB
A:RSK-175	LCS 180-34676/3		180-34676		04/30/2012 09:02	1	TAL PIT	RG
A:RSK-175	LCS 280-117933/2		280-117933		05/01/2012 12:03	1	TAL DEN	MPS
P:3510C	LCS 280-117191/2-A		280-119005	280-117191	04/26/2012 17:00	1	TAL DEN	MRM
A:8015B	LCS 280-117191/2-A		280-119005	280-117191	05/03/2012 03:12	1	TAL DEN	MRB
P:3005A	LCS 280-117184/2-A		280-117859	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	LCS 280-117184/2-A		280-117859	280-117184	05/02/2012 01:59	1	TAL DEN	JKH
P:3010A	LCS 280-118701/2-A		280-118834	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	LCS 280-118701/2-A		280-118834	280-118701	05/08/2012 08:53	1	TAL DEN	HEB
P:3010A	LCS 280-118701/2-A		280-118969	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	LCS 280-118701/2-A		280-118969	280-118701	05/08/2012 16:57	1	TAL DEN	HEB
P:3005A	LCS 280-117185/2-A		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	LCS 280-117185/2-A		280-117880	280-117185	05/01/2012 14:42	1	TAL DEN	LT
P:3020A	LCS 280-117181/2-A		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	LCS 280-117181/2-A		280-118058	280-117181	05/02/2012 17:50	1	TAL DEN	LT
P:7470A	LCS 280-117333/2-A		280-118315	280-117333	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	LCS 280-117333/2-A		280-118315	280-117333	05/03/2012 18:04	1	TAL DEN	BLR
P:7470A	LCS 280-117332/2-A		280-118315	280-117332	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	LCS 280-117332/2-A		280-118315	280-117332	05/03/2012 18:34	1	TAL DEN	BLR
A:350.1	LCS 280-119085/21		280-119085		05/09/2012 13:10	1	TAL DEN	SJS
A:353.2	LCS 280-119089/21		280-119089		05/09/2012 13:10	1	TAL DEN	SJS
P:365.2/365.3/365	LCS 280-119077/3-A		280-119330	280-119077	05/08/2012 19:00	1	TAL DEN	MW
A:365.1	LCS 280-119077/3-A		280-119330	280-119077	05/10/2012 17:13	1	TAL DEN	MW
P:365.2/365.3/365	LCS 280-119081/1-A		280-119513	280-119081	05/08/2012 19:00	1	TAL DEN	MW
A:365.1	LCS 280-119081/1-A		280-119513	280-119081	05/11/2012 15:21	1	TAL DEN	MW
A:425.1	LCS 680-235205/4		680-235205		04/24/2012 13:04	1	TAL SAV	WB
A:9056	LCS 280-117895/12		280-117895		05/01/2012 14:29	1	TAL DEN	EK
A:9060	LCS 280-118783/3		280-118783		05/07/2012 17:51	1	TAL DEN	DE
A:9060	LCS 280-118784/3		280-118784		05/07/2012 17:51	1	TAL DEN	DE

Client: U.S. Geological Survey

Job Number: 280-28076-1

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
A:9060	LCS 280-119515/3		280-119515		05/11/2012 08:35	1	TAL DEN	DE
A:9060	LCS 280-119489/3		280-119489		05/11/2012 08:59	1	TAL DEN	DE
A:SM 2540C	LCS 280-117267/2		280-117267		04/27/2012 08:51	1	TAL DEN	BJD

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 280-117414/6		280-117414		04/27/2012 09:42	1	TAL DEN	GPM
A:8260B	LCSD 280-117414/6		280-117414		04/27/2012 09:42	1	TAL DEN	GPM
P:5030B	LCSD 280-117414/9		280-117414		04/27/2012 11:02	1	TAL DEN	GPM
A:8260B	LCSD 280-117414/9		280-117414		04/27/2012 11:02	1	TAL DEN	GPM
P:3520C	LCSD 280-117171/3-A		280-119099	280-117171	04/26/2012 16:07	1	TAL DEN	SHO
A:8270C	LCSD 280-117171/3-A		280-119099	280-117171	05/08/2012 12:31	1	TAL DEN	MGH
P:3520C	LCSD 280-117171/3-A	DL	280-119099	280-117171	04/26/2012 16:07	4	TAL DEN	SHO
A:8270C	LCSD 280-117171/3-A	DL	280-119099	280-117171	05/08/2012 13:08	4	TAL DEN	MGH
P:5030B	LCSD 280-117506/4		280-117506		04/27/2012 13:08	1	TAL DEN	AMB
A:8015B	LCSD 280-117506/4		280-117506		04/27/2012 13:08	1	TAL DEN	AMB
P:5030B	LCSD 280-117914/4		280-117914		05/01/2012 14:15	1	TAL DEN	AMB
A:8015B	LCSD 280-117914/4		280-117914		05/01/2012 14:15	1	TAL DEN	AMB
A:RSK-175	LCSD 180-34676/4		180-34676		04/30/2012 09:16	1	TAL PIT	RG
A:RSK-175	LCSD 280-117933/3		280-117933		05/01/2012 12:07	1	TAL DEN	MPS
P:3510C	LCSD 280-117191/3-A		280-119005	280-117191	04/26/2012 17:00	1	TAL DEN	MRM
A:8015B	LCSD 280-117191/3-A		280-119005	280-117191	05/03/2012 03:36	1	TAL DEN	MRB
P:3005A	LCSD 280-117184/3-A		280-117859	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	LCSD 280-117184/3-A		280-117859	280-117184	05/02/2012 02:01	1	TAL DEN	JKH
P:3010A	LCSD 280-118701/3-A		280-118834	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	LCSD 280-118701/3-A		280-118834	280-118701	05/08/2012 08:56	1	TAL DEN	HEB
P:3010A	LCSD 280-118701/3-A		280-118969	280-118701	05/07/2012 14:00	1	TAL DEN	JM
A:6010B	LCSD 280-118701/3-A		280-118969	280-118701	05/08/2012 17:00	1	TAL DEN	HEB
P:3005A	LCSD 280-117185/3-A		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	LCSD 280-117185/3-A		280-117880	280-117185	05/01/2012 14:45	1	TAL DEN	LT
P:3020A	LCSD 280-117181/3-A		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	LCSD 280-117181/3-A		280-118058	280-117181	05/02/2012 17:53	1	TAL DEN	LT
P:7470A	LCSD 280-117333/3-A		280-118315	280-117333	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	LCSD 280-117333/3-A		280-118315	280-117333	05/03/2012 18:06	1	TAL DEN	BLR
P:7470A	LCSD 280-117332/11-A		280-118315	280-117332	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	LCSD 280-117332/11-A		280-118315	280-117332	05/03/2012 20:58	1	TAL DEN	BLR

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	LCSD 280-119085/22		280-119085		05/09/2012 13:12	1	TAL DEN	SJS
A:353.2	LCSD 280-119089/22		280-119089		05/09/2012 13:12	1	TAL DEN	SJS
P:365.2/365.3/365	LCSD 280-119077/4-A		280-119330	280-119077	05/08/2012 19:00	1	TAL DEN	MW
A:365.1	LCSD 280-119077/4-A		280-119330	280-119077	05/10/2012 17:15	1	TAL DEN	MW
P:365.2/365.3/365	LCSD 280-119081/2-A		280-119513	280-119081	05/08/2012 19:00	1	TAL DEN	MW
A:365.1	LCSD 280-119081/2-A		280-119513	280-119081	05/11/2012 15:24	1	TAL DEN	MW
A:9056	LCSD 280-117895/13		280-117895		05/01/2012 14:47	1	TAL DEN	EK
A:9060	LCSD 280-118783/4		280-118783		05/07/2012 18:12	1	TAL DEN	DE
A:9060	LCSD 280-118784/4		280-118784		05/07/2012 18:12	1	TAL DEN	DE
A:9060	LCSD 280-119515/4		280-119515		05/11/2012 08:35	1	TAL DEN	DE
A:9060	LCSD 280-119489/4		280-119489		05/11/2012 09:13	1	TAL DEN	DE
A:SM 2540C	LCSD 280-117267/3		280-117267		04/27/2012 08:51	1	TAL DEN	BJD

Lab ID: MRL **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
A:353.2	MRL 280-119089/18		280-119089		05/09/2012 12:58	1	TAL DEN	SJS
A:9056	MRL 280-117895/11		280-117895		05/01/2012 14:12	1	TAL DEN	EK

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-28131-E-12 MS		280-117414		04/27/2012 14:56	1	TAL DEN	GPM
A:8260B	280-28131-E-12 MS		280-117414		04/27/2012 14:56	1	TAL DEN	GPM
P:3520C	280-28131-B-4-A MS		280-119099	280-117171	04/26/2012 16:07	1	TAL DEN	SHO
A:8270C	280-28131-B-4-A MS		280-119099	280-117171	05/08/2012 13:44	1	TAL DEN	MGH
P:3520C	280-28131-B-4-A MS	DL	280-119208	280-117171	04/26/2012 16:07	6	TAL DEN	SHO
A:8270C	280-28131-B-4-A MS	DL	280-119208	280-117171	05/09/2012 15:45	6	TAL DEN	MGH
P:3510C	280-28131-F-4-A MS		280-118594	280-117187	04/26/2012 17:00	1	TAL DEN	MRM
A:8270C SIM	280-28131-F-4-A MS		280-118594	280-117187	05/04/2012 22:38	1	TAL DEN	KGV
P:5030B	280-28131-A-12 MS		280-117506		04/27/2012 16:15	1	TAL DEN	AMB
A:8015B	280-28131-A-12 MS		280-117506		04/27/2012 16:15	1	TAL DEN	AMB
P:5030B	280-28131-BN-4 MS		280-117914		05/01/2012 17:06	1	TAL DEN	AMB
A:8015B	280-28131-BN-4 MS		280-117914		05/01/2012 17:06	1	TAL DEN	AMB
A:RSK-175	280-28131-H-4 MS		180-34676		04/30/2012 10:43	1	TAL PIT	RG
A:RSK-175	280-28131-B-12 MS		180-34676		04/30/2012 15:17	2	TAL PIT	RG
A:RSK-175	280-28131-BX-4 MS		280-117933		05/01/2012 16:54	18	TAL DEN	MPS
P:3510C	280-28131-C-4-A MS		280-119005	280-117191	04/26/2012 17:00	1	TAL DEN	MRM
A:8015B	280-28131-C-4-A MS		280-119005	280-117191	05/03/2012 05:37	1	TAL DEN	MRB
P:3005A	280-28131-BB-4-C MS		280-118273	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	280-28131-BB-4-C MS		280-118273	280-117184	05/03/2012 20:17	1	TAL DEN	JKH
P:3005A	280-28131-BB-4-C MS		280-118675	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	280-28131-BB-4-C MS		280-118675	280-117184	05/04/2012 12:55	1	TAL DEN	HEB
P:3005A	280-28131-BB-4-E MS		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	280-28131-BB-4-E MS		280-117880	280-117185	05/01/2012 15:15	1	TAL DEN	LT
P:3020A	280-28131-S-4-C MS		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	280-28131-S-4-C MS		280-118058	280-117181	05/02/2012 18:14	1	TAL DEN	LT
P:7470A	280-28131-BA-4-B MS		280-118315	280-117333	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	280-28131-BA-4-B MS		280-118315	280-117333	05/03/2012 18:22	1	TAL DEN	BLR
P:7470A	280-28131-BA-4-E MS		280-118315	280-117332	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	280-28131-BA-4-E MS		280-118315	280-117332	05/03/2012 18:50	1	TAL DEN	BLR
A:350.1	280-28131-AF-4 MS		280-119085		05/09/2012 13:19	1	TAL DEN	SJS
A:353.2	280-28131-AF-4 MS		280-119089		05/09/2012 13:19	1	TAL DEN	SJS
P:365.2/365.3/365	280-28131-AP-4-B MS		280-119330	280-119077	05/08/2012 19:00	2	TAL DEN	MW
A:365.1	280-28131-AP-4-B MS		280-119330	280-119077	05/10/2012 17:58	2	TAL DEN	MW
P:365.2/365.3/365	280-28131-AO-4-B MS		280-119513	280-119081	05/08/2012 19:00	2	TAL DEN	MW

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Chronicle

Lab ID: MS **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
A:365.1	280-28131-AO-4-B MS		280-119513	280-119081	05/11/2012 15:35	2	TAL DEN	MW
A:425.1	680-78834-A-2 MS		680-235205		04/24/2012 13:04	1	TAL SAV	WB
A:9056	280-28131-U-4 MS		280-117895		05/01/2012 17:05	1	TAL DEN	EK
A:9056	280-28131-U-4 MS		280-117895		05/01/2012 20:16	10	TAL DEN	EK
A:9060	280-28131-AM-4 MS		280-118783		05/07/2012 19:54	1	TAL DEN	DE
A:9060	280-28131-AI-4 MS		280-118784		05/07/2012 22:36	1	TAL DEN	DE
A:9060	280-28131-W-4 MS		280-119515		05/11/2012 08:35	1	TAL DEN	DE
A:9060	280-28131-X-4 MS		280-119489		05/11/2012 12:41	1	TAL DEN	DE

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-28131-E-12 MSD		280-117414		04/27/2012 15:15	1	TAL DEN	GPM
A:8260B	280-28131-E-12 MSD		280-117414		04/27/2012 15:15	1	TAL DEN	GPM
P:3520C	280-28131-S-4-A MSD		280-119099	280-117171	04/26/2012 16:07	1	TAL DEN	SHO
A:8270C	280-28131-S-4-A MSD		280-119099	280-117171	05/08/2012 14:02	1	TAL DEN	MGH
P:3520C	280-28131-S-4-A MSD	DL	280-119208	280-117171	04/26/2012 16:07	6	TAL DEN	SHO
A:8270C	280-28131-S-4-A MSD	DL	280-119208	280-117171	05/09/2012 16:03	6	TAL DEN	MGH
P:3510C	280-28131-R-4-G MSD		280-118594	280-117187	04/26/2012 17:00	1	TAL DEN	MRM
A:8270C SIM	280-28131-R-4-G MSD		280-118594	280-117187	05/04/2012 23:08	1	TAL DEN	KGV
P:5030B	280-28131-A-12 MSD		280-117506		04/27/2012 16:47	1	TAL DEN	AMB
A:8015B	280-28131-A-12 MSD		280-117506		04/27/2012 16:47	1	TAL DEN	AMB
P:5030B	280-28131-BN-4 MSD		280-117914		05/01/2012 17:49	1	TAL DEN	AMB
A:8015B	280-28131-BN-4 MSD		280-117914		05/01/2012 17:49	1	TAL DEN	AMB
A:RSK-175	280-28131-H-4 MSD		180-34676		04/30/2012 10:57	1	TAL PIT	RG
A:RSK-175	280-28131-B-12 MSD		180-34676		04/30/2012 15:32	2	TAL PIT	RG
A:RSK-175	280-28131-BX-4 MSD		280-117933		05/01/2012 16:59	18	TAL DEN	MPS
P:3510C	280-28131-E-4-A MSD		280-119005	280-117191	04/26/2012 17:00	1	TAL DEN	MRM
A:8015B	280-28131-E-4-A MSD		280-119005	280-117191	05/03/2012 06:01	1	TAL DEN	MRB
P:3005A	280-28131-BB-4-D MSD		280-118273	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	280-28131-BB-4-D MSD		280-118273	280-117184	05/03/2012 20:20	1	TAL DEN	JKH
P:3005A	280-28131-BB-4-D MSD		280-118675	280-117184	05/01/2012 08:15	1	TAL DEN	NF
A:6010B	280-28131-BB-4-D MSD		280-118675	280-117184	05/04/2012 12:58	1	TAL DEN	HEB
P:3005A	280-28131-BB-4-F MSD		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	280-28131-BB-4-F MSD		280-117880	280-117185	05/01/2012 15:18	1	TAL DEN	LT
P:3020A	280-28131-S-4-D MSD		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	280-28131-S-4-D MSD		280-118058	280-117181	05/02/2012 18:17	1	TAL DEN	LT
P:7470A	280-28131-BA-4-C MSD		280-118315	280-117333	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	280-28131-BA-4-C MSD		280-118315	280-117333	05/03/2012 18:25	1	TAL DEN	BLR
P:7470A	280-28131-BA-4-F MSD		280-118315	280-117332	05/03/2012 12:30	1	TAL DEN	BLR
A:7470A	280-28131-BA-4-F MSD		280-118315	280-117332	05/03/2012 18:52	1	TAL DEN	BLR
A:350.1	280-28131-AF-4 MSD		280-119085		05/09/2012 13:21	1	TAL DEN	SJS

Client: U.S. Geological Survey

Job Number: 280-28076-1

Laboratory Chronicle

Lab ID: MSD **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
A:353.2	280-28131-AF-4 MSD		280-119089		05/09/2012 13:21	1	TAL DEN	SJS
P:365.2/365.3/365	280-28131-AP-4-C MSD		280-119330	280-119077	05/08/2012 19:00	2	TAL DEN	MW
A:365.1	280-28131-AP-4-C MSD		280-119330	280-119077	05/10/2012 18:05	2	TAL DEN	MW
P:365.2/365.3/365	280-28131-AO-4-C MSD		280-119513	280-119081	05/08/2012 19:00	2	TAL DEN	MW
A:365.1	280-28131-AO-4-C MSD		280-119513	280-119081	05/11/2012 15:38	2	TAL DEN	MW
A:425.1	680-78834-A-2 MSD		680-235205		04/24/2012 13:04	1	TAL SAV	WB
A:9056	280-28131-U-4 MSD		280-117895		05/01/2012 17:22	1	TAL DEN	EK
A:9056	280-28131-U-4 MSD		280-117895		05/01/2012 20:33	10	TAL DEN	EK
A:9060	280-28131-AM-4 MSD		280-118783		05/07/2012 20:12	1	TAL DEN	DE
A:9060	280-28131-AI-4 MSD		280-118784		05/07/2012 22:55	1	TAL DEN	DE
A:9060	280-28131-W-4 MSD		280-119515		05/11/2012 08:35	1	TAL DEN	DE
A:9060	280-28131-X-4 MSD		280-119489		05/11/2012 12:58	1	TAL DEN	DE

Lab ID: DU **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
A:RSK-175	280-28131-W-3 DU		280-117933		05/01/2012 16:46	18	TAL DEN	MPS
A:9056	280-28131-U-4 DU		280-117895		05/01/2012 16:48	1	TAL DEN	EK
A:9056	280-28131-U-4 DU		280-117895		05/01/2012 19:58	10	TAL DEN	EK
A:SM 2540C	280-27933-A-7 DU		280-117267		04/27/2012 08:51	1	TAL DEN	BJD

Client: U.S. Geological Survey Job Number: 280-28076-1

Laboratory Chronicle

Lab ID: SD **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:3005A	280-28131-BB-4-B SD ^5		280-118273	280-117184	05/01/2012 08:15	5	TAL DEN	NF
A:6010B	280-28131-BB-4-B SD ^5		280-118273	280-117184	05/03/2012 20:15	5	TAL DEN	JKH
P:3005A	280-28131-BB-4-B SD ^5		280-118675	280-117184	05/01/2012 08:15	5	TAL DEN	NF
A:6010B	280-28131-BB-4-B SD ^5		280-118675	280-117184	05/04/2012 12:53	5	TAL DEN	HEB
P:3005A	280-28131-BB-4-A SD ^5		280-117880	280-117185	05/01/2012 08:15	5	TAL DEN	NF
A:6020	280-28131-BB-4-A SD ^5		280-117880	280-117185	05/01/2012 15:05	5	TAL DEN	LT
P:3005A	280-28131-BB-4-A PDS		280-117880	280-117185	05/01/2012 08:15	1	TAL DEN	NF
A:6020	280-28131-BB-4-A PDS		280-117880	280-117185	05/01/2012 15:21	1	TAL DEN	LT
P:3020A	280-28131-S-4-B SD ^5		280-118058	280-117181	05/02/2012 08:00	5	TAL DEN	NF
A:6020	280-28131-S-4-B SD ^5		280-118058	280-117181	05/02/2012 18:05	5	TAL DEN	LT
P:3020A	280-28131-S-4-B PDS		280-118058	280-117181	05/02/2012 08:00	1	TAL DEN	NF
A:6020	280-28131-S-4-B PDS		280-118058	280-117181	05/02/2012 18:20	1	TAL DEN	LT

Lab References:

TAL DEN = TestAmerica Denver

TAL PIT = TestAmerica Pittsburgh

TAL SAV = TestAmerica Savannah

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8015 LCS_00025	09/26/12	03/26/12	ACETONE, Lot Acetone_00007	200 mL	8015 DROStock_00208	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00209	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00210	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00211	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00212	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00233	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00234	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
					8015 DROStock_00235	1 mL	#2 Diesel Fuel	2001.6 ug/mL
							C10-C22	2001.6 ug/mL
							C10-C24	2001.6 ug/mL
							C10-C25	2001.6 ug/mL
							C10-C32	2001.6 ug/mL
							C10-C36	2001.6 ug/mL
							C8-C34	2001.6 ug/mL
							Diesel Range Organics [C10-C28]	2001.6 ug/mL
.8015 DROStock_00208	11/03/20		Accustandard, Lot 210111050		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00209	11/03/20		Accustandard, Lot 210111050		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00210	11/03/20		Accustandard, Lot 210111050		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00211	11/03/20		Accustandard, Lot 210111050		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00212	11/03/20		Accustandard, Lot 210111050		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00233	10/04/21		Accustandard, Lot 211101034		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00234	10/04/21		Accustandard, Lot 211101034		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
.8015 DROStock_00235	10/04/21		Accustandard, Lot 211101034		(Purchased Reagent)		#2 Diesel Fuel	50.04 mg/mL
							C10-C22	50.04 mg/mL
							C10-C24	50.04 mg/mL
							C10-C25	50.04 mg/mL
							C10-C32	50.04 mg/mL
							C10-C36	50.04 mg/mL
							C8-C34	50.04 mg/mL
							Diesel Range Organics [C10-C28]	50.04 mg/mL
8015-ISscsSCS_00027	05/23/12	02/28/12	P&T Methanol, Lot DE997	10 mL	8021GROTFTStk_00079	150 uL	a,a,a-Trifluorotoluene	30 ug/mL
.8021GROTFTStk_00079	05/23/12		Ultra Scientific, Lot CE-1903A		(Purchased Reagent)		a,a,a-Trifluorotoluene	2000 ug/mL
8015-ISscsSCS_00028	05/28/12	04/02/12	P&T Methanol, Lot DF233	20 mL	8021GROTFTStk_00082	300 uL	a,a,a-Trifluorotoluene	30 ug/mL
.8021GROTFTStk_00082	06/30/12		Ultra Scientific, Lot CE-1903A		(Purchased Reagent)		a,a,a-Trifluorotoluene	2000 ug/mL
8015GRO-CSA_00100	04/27/12	04/20/12	P&T Methanol, Lot DF369	1.8 mL	8015GROCSAStk_00014	36 uL	Gasoline Range Organics (GRO)-C6-C10	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
. 8015GROCSASTk_00014	07/09/12	AccuStandard, Lot 209071022			(Purchased Reagent)		Gasoline Range Organics (GRO)-C6-C10	10000 ug/mL
8015GRO-CSA_00101	05/07/12	04/30/12	P&T Methanol, Lot DF369	1.8 mL	8015GROCSASTk_00014	36 uL	Gasoline Range Organics (GRO)-C6-C10	200 ug/mL
. 8015GROCSASTk_00014	07/09/12	AccuStandard, Lot 209071022			(Purchased Reagent)		Gasoline Range Organics (GRO)-C6-C10	10000 ug/mL
8015GRO-ICAL_00039	03/21/12	03/14/12	P&T Methanol, Lot DF233	1 ug/mL	8015-ISscsSCS_00027	0.1 mL	1-Chloro-4-fluorobenzene	3 ug/mL
							a,a,a-Trifluorotoluene	3 ug/mL
					8015GRO-CSA_00095	0.1 mL	Gasoline Range Organics (GRO)-C6-C10	20 ug/mL
. 8015-ISscsSCS_00027	05/23/12	02/28/12	P&T Methanol, Lot DE997	10 mL	8021GROISStk_00015	120 uL	1-Chloro-4-fluorobenzene	30 ug/mL
					8021GROTFTStk_00079	150 uL	a,a,a-Trifluorotoluene	30 ug/mL
. . 8021GROISStk_00015	08/07/12	Restek, Lot A070890			(Purchased Reagent)		1-Chloro-4-fluorobenzene	2500 ug/mL
. . 8021GROTFTStk_00079	05/23/12	Ultra Scientific, Lot CE-1903A			(Purchased Reagent)		a,a,a-Trifluorotoluene	2000 ug/mL
. 8015GRO-CSA_00095	03/22/12	03/14/12	P&T Methanol, Lot DF233	1.8 mL	8015GROCSASTk_00012	36 uL	Gasoline Range Organics (GRO)-C6-C10	200 ug/mL
. . 8015GROCSASTk_00012	04/12/12	AccuStandard, Lot 209071022			(Purchased Reagent)		Gasoline Range Organics (GRO)-C6-C10	10000 ug/mL
8015GRO-ICAL_00040	04/16/12	04/11/12	P&T Methanol, Lot DF233	1 ug/mL	8015-ISscsSCS_00028	0.1 mL	Chlorobenzene	3 ug/mL
							1-Chloro-4-fluorobenzene	3 ug/mL
							a,a,a-Trifluorotoluene	3 ug/mL
					8015GRO-CSA_00098	0.1 mL	C5-C12	20 ug/mL
							C6-C12	20 ug/mL
							Gasoline Range Organics (GRO)-C6-C10	20 ug/mL
. 8015-ISscsSCS_00028	05/28/12	04/02/12	P&T Methanol, Lot DF233	20 mL	8021GROCbzStk_00015	300 uL	Chlorobenzene	30 ug/mL
					8021GROISStk_00016	240 uL	1-Chloro-4-fluorobenzene	30 ug/mL
					8021GROTFTStk_00082	300 uL	a,a,a-Trifluorotoluene	30 ug/mL
. . 8021GROCbzStk_00015	05/28/12	AccuStandard, Lot B4030353			(Purchased Reagent)		Chlorobenzene	2000 ug/mL
. . 8021GROISStk_00016	10/02/12	Restek, Lot A070890			(Purchased Reagent)		1-Chloro-4-fluorobenzene	2500 ug/mL
. . 8021GROTFTStk_00082	06/30/12	Ultra Scientific, Lot CE-1903A			(Purchased Reagent)		a,a,a-Trifluorotoluene	2000 ug/mL
. 8015GRO-CSA_00098	04/16/12	04/09/12	P&T Methanol, Lot DF233	1.8 mL	8015GROCSASTk_00014	36 uL	C5-C12	200 ug/mL
							C6-C12	200 ug/mL
							Gasoline Range Organics (GRO)-C6-C10	200 ug/mL
. . 8015GROCSASTk_00014	07/09/12	AccuStandard, Lot 209071022			(Purchased Reagent)		C5-C12	10000 ug/mL
							C6-C12	10000 ug/mL
							Gasoline Range Organics (GRO)-C6-C10	10000 ug/mL
8015GRODCS_00084	03/21/12	03/14/12	P&T Methanol, Lot DF233	1.8 mL	8015GRODCSStk_00030	33 uL	Gasoline Range Organics (GRO)-C6-C10	100.833 ug/mL
. 8015GRODCSStk_00030	05/01/12	Restek, Lot A076840			(Purchased Reagent)		Gasoline Range Organics (GRO)-C6-C10	5500 ug/mL
8015GRODCS_00087	04/16/12	04/09/12	P&T Methanol, Lot DF233	1.8 mL	8015GRODCSStk_00034	33 uL	Gasoline Range Organics (GRO)-C6-C10	100.833 ug/mL
. 8015GRODCSStk_00034	07/09/12	Restek, Lot A081743			(Purchased Reagent)		Gasoline Range Organics (GRO)-C6-C10	5500 ug/mL
8015GRODCS_00089	05/02/12	04/25/12	P&T Methanol, Lot DF369	1.8 mL	8015GRODCSStk_00034	33 uL	Gasoline Range Organics (GRO)-C6-C10	100.833 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8015GRODCSStk_00034	07/09/12		Restek, Lot A081743		(Purchased Reagent)		Gasoline Range Organics (GRO)-C6-C10	5500 ug/mL
8015Surrogate_00062	08/31/12	03/29/12	90:10 Acetone:MeCl2, Lot 90Ace10MeCl2_00003	500 mL	8015 SurStock_00076	1 mL	n-Octacosane	20 ug/mL
							o-Terphenyl	20 ug/mL
					8015 SurStock_00083	1 mL	n-Octacosane	20 ug/mL
							o-Terphenyl	20 ug/mL
.8015 SurStock_00076	05/24/13		AccuStandard, Lot 210051217		(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
.8015 SurStock_00083	06/06/14		AccuStandard, Lot 211061046		(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
8270 SIM Surr_00028	08/25/12	03/09/12	90:10 MeOH:MeCl2, Lot 90MeOH10MeCl2_00004	500 mL	8270_LLSurStk_00001	2.5 mL	2,4,6 - Tribromophenol	0.75 ug/mL
							2,4,6-Tribromophenol	0.75 ug/mL
							2-Fluorobiphenyl	0.5 ug/mL
							2-Fluorophenol	0.75 ug/mL
							Nitrobenzene-d5	0.5 ug/mL
							Phenol-d5	0.75 ug/mL
							Phenol-d6	0.75 ug/mL
							Terphenyl-d14	0.5 ug/mL
.8270_LLSurStk_00001	03/09/13		Accustandard, Lot A7020284-4D		(Purchased Reagent)		2,4,6 - Tribromophenol	150 ug/mL
							2,4,6-Tribromophenol	150 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	150 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	150 ug/mL
							Phenol-d6	150 ug/mL
							Terphenyl-d14	100 ug/mL
8270LCS80ppm_00036	01/31/13	04/09/12	P&T Methanol, Lot Methanol P&T_00020	250 mL	8270 1,4-Diox_00074	1 mL	1,4-Dioxane	80 ug/mL
					8270 1,4-Diox_00075	1 mL	1,4-Dioxane	80 ug/mL
					8270 LCSStock_00145	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					8270 LCSStock_00147	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					8270 LCSStock_00148	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					8270 LCSStock_00149	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	80 ug/mL
.8270 1,4-Diox_00074	06/24/21		AccuStandard, Lot 211061176		(Purchased Reagent)		1,4-Dioxane	10 mg/mL
.8270 1,4-Diox_00075	06/24/21		AccuStandard, Lot 211061176		(Purchased Reagent)		1,4-Dioxane	10 mg/mL
.8270 LCSStock_00145	01/31/13		Supelco, Lot LB90138		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	400 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	400 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di(2-ethylhexyl)adipate	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
8270 LCSStock_00147	01/31/13		Supelco, Lot LB90138		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	400 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	400 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di(2-ethylhexyl)adipate	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
8270 LCSStock_00148	01/31/13		Supelco, Lot LB90138		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	400 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	400 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di(2-ethylhexyl)adipate	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
.8270 LCSStock_00149	01/31/13		Supelco, Lot LB90138		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	400 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	400 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di(2-ethylhexyl)adipate	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
8270SIMPAHLCS_00004	08/17/12	08/17/11	P&T Methanol, Lot DD946	500 mL	8310 LCSStock_00013	0.09 mL	1-Methylnaphthalene	0.9 ug/mL
							2-Methylnaphthalene	0.9 ug/mL
							Acenaphthene	0.9 ug/mL
							Acenaphthylene	0.9 ug/mL
							Anthracene	0.9 ug/mL
							Benzo[a]anthracene	0.9 ug/mL
							Benzo[a]pyrene	0.9 ug/mL
							Benzo[b]fluoranthene	0.9 ug/mL
							Benzo[g,h,i]perylene	0.9 ug/mL
							Benzo[k]fluoranthene	0.9 ug/mL
							Chrysene	0.9 ug/mL
							Dibenz(a,h)anthracene	0.9 ug/mL
							Fluoranthene	0.9 ug/mL
							Fluorene	0.9 ug/mL
							Indeno[1,2,3-cd]pyrene	0.9 ug/mL
							Naphthalene	0.9 ug/mL
							Phenanthrene	0.9 ug/mL
							Pyrene	0.9 ug/mL
.8310 LCSStock_00013	03/22/14		SPEX, Lot T1110323002		(Purchased Reagent)		1-Methylnaphthalene	5000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							Acenaphthene	5000 ug/mL
							Acenaphthylene	5000 ug/mL
							Anthracene	5000 ug/mL
							Benzo[a]anthracene	5000 ug/mL
							Benzo[a]pyrene	5000 ug/mL
							Benzo[b]fluoranthene	5000 ug/mL
							Benzo[g,h,i]perylene	5000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	5000 ug/mL
							Chrysene	5000 ug/mL
							Dibenz(a,h)anthracene	5000 ug/mL
							Fluoranthene	5000 ug/mL
							Fluorene	5000 ug/mL
							Indeno[1,2,3-cd]pyrene	5000 ug/mL
							Naphthalene	5000 ug/mL
							Phenanthrene	5000 ug/mL
							Pyrene	5000 ug/mL
8270Surrogate_00042	04/01/13	04/01/12	P&T Methanol, Lot Methanol P&T_00019	1000 mL	8270SurrStock_00047	100 mL	2,4,6 - Tribromophenol	150 ug/mL
							2,4,6-Tribromophenol	150 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	150 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	150 ug/mL
							Phenol-d6	150 ug/mL
							Terphenyl-d14	100 ug/mL
.8270SurrStock_00047	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Phenol-d6	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
Alt FePbSeZn_00002	10/01/12	05/08/12	5% HNO3/5%HCl, Lot see reagent log	1000 mL	10000 Fe_00006	0.003 mL	Iron	0.03 mg/L
.10000 Fe_00006	10/01/12		Inorganic Ventures, Lot E2-FE03139		(Purchased Reagent)		Iron	10000 mg/L
BenzoicLCS_00001	04/25/13	04/25/12	P&T Methanol, Lot Methanol P&T_00021	25 mL	MS-31879_00014	1 mL	Benzoic acid	320 ug/mL
					MS-31879_00015	1 mL	Benzoic acid	320 ug/mL
					MS-31879_00016	1 mL	Benzoic acid	320 ug/mL
					MS-31879_00017	1 mL	Benzoic acid	320 ug/mL
.MS-31879_00014	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-31879_00015	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-31879_00016	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-31879_00017	04/25/13		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
DRO_L1_00023	09/07/12	04/24/12	Methylene Chloride, Lot K07S00	1 mL	DRO_L4/CCV_00016	20 uL	C10-C22	100 ug/mL
							C10-C24	100 ug/mL
							C10-C25	100 ug/mL
							C10-C36	100 ug/mL
							C8-C34	100 ug/mL
							Diesel Range Organics [C10-C28]	100 ug/mL
							n-Octacosane	0.5 ug/mL
							o-Terphenyl	0.5 ug/mL
.DRO_L4/CCV_00016	10/06/12	04/06/12	Methylene Chloride, Lot K07S00	50 mL	DRO_Fuel2_00036	5 mL	C10-C22	5000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C10-C24	5000 ug/mL
							C10-C25	5000 ug/mL
							C10-C36	5000 ug/mL
							C8-C34	5000 ug/mL
							Diesel Range Organics [C10-C28]	5000 ug/mL
					DRO_SURR_00025	0.25 mL	n-Octacosane	25 ug/mL
							o-Terphenyl	25 ug/mL
..DRO_Fuel 2_00036	03/30/19	Restek, Lot A086394			(Purchased Reagent)		C10-C22	50000 ug/mL
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
..DRO_SURR_00025	06/06/14	Accustandard, Lot 211061046			(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
DRO_L2_00024	09/07/12	04/24/12	Methylene Chloride, Lot K07S00	1 mL	DRO_L4/CCV_00016	50 uL	C10-C22	250 ug/mL
							C10-C24	250 ug/mL
							C10-C25	250 ug/mL
							C10-C36	250 ug/mL
							C8-C34	250 ug/mL
							Diesel Range Organics [C10-C28]	250 ug/mL
							n-Octacosane	1.25 ug/mL
							o-Terphenyl	1.25 ug/mL
.DRO_L4/CCV_00016	10/06/12	04/06/12	Methylene Chloride, Lot K07S00	50 mL	DRO_Fuel 2_00036	5 mL	C10-C22	5000 ug/mL
							C10-C24	5000 ug/mL
							C10-C25	5000 ug/mL
							C10-C36	5000 ug/mL
							C8-C34	5000 ug/mL
							Diesel Range Organics [C10-C28]	5000 ug/mL
					DRO_SURR_00025	0.25 mL	n-Octacosane	25 ug/mL
							o-Terphenyl	25 ug/mL
..DRO_Fuel 2_00036	03/30/19	Restek, Lot A086394			(Purchased Reagent)		C10-C22	50000 ug/mL
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
..DRO_SURR_00025	06/06/14	Accustandard, Lot 211061046			(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
DRO_L3_00025	09/07/12	04/24/12	Methylene Chloride, Lot K07S00	1 mL	DRO_L4/CCV_00016	200 uL	C10-C22	1000 ug/mL
							C10-C24	1000 ug/mL
							C10-C25	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
. DRO_L4/CCV_00016	10/06/12	04/06/12	Methylene Chloride, Lot K07S00	50 mL	DRO_Fuel 2_00036	5 mL	C10-C36	1000 ug/mL
							C8-C34	1000 ug/mL
							Diesel Range Organics [C10-C28]	1000 ug/mL
							n-Octacosane	5 ug/mL
							o-Terphenyl	5 ug/mL
							C10-C22	5000 ug/mL
							C10-C24	5000 ug/mL
							C10-C25	5000 ug/mL
							C10-C36	5000 ug/mL
							C8-C34	5000 ug/mL
							Diesel Range Organics [C10-C28]	5000 ug/mL
					DRO_SURR_00025	0.25 mL	n-Octacosane	25 ug/mL
							o-Terphenyl	25 ug/mL
.. DRO_Fuel 2_00036	03/30/19	Restek, Lot A086394			(Purchased Reagent)		C10-C22	50000 ug/mL
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
.. DRO_SURR_00025	06/06/14	Accustandard, Lot 211061046			(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
DRO_L4/CCV_00016	10/06/12	04/06/12	Methylene Chloride, Lot K07S00	50 mL	DRO_Fuel 2_00036	5 mL	C10-C22	5000 ug/mL
							C10-C24	5000 ug/mL
							C10-C25	5000 ug/mL
							C10-C36	5000 ug/mL
							C8-C34	5000 ug/mL
							Diesel Range Organics [C10-C28]	5000 ug/mL
					DRO_SURR_00025	0.25 mL	n-Octacosane	25 ug/mL
							o-Terphenyl	25 ug/mL
. DRO_Fuel 2_00036	03/30/19	Restek, Lot A086394			(Purchased Reagent)		C10-C22	50000 ug/mL
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
. DRO_SURR_00025	06/06/14	Accustandard, Lot 211061046			(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
DRO_L5_00029	08/24/12	04/26/12	Methylene Chloride, Lot K07S00	1 mL	DRO_L6_00014	0.5 mL	C10-C22	7500 ug/mL
							C10-C24	7500 ug/mL
							C10-C25	7500 ug/mL
							C10-C36	7500 ug/mL
							C8-C34	7500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diesel Range Organics [C10-C28]	7500 ug/mL
							n-Octacosane	37.5 ug/mL
							o-Terphenyl	37.5 ug/mL
. DRO_L6_00014	09/06/12	04/26/12	Methylene Chloride, Lot K07S00	5 mL	DRO_Fuel 2_00035	1.5 mL	C10-C22	15000 ug/mL
							C10-C24	15000 ug/mL
							C10-C25	15000 ug/mL
							C10-C36	15000 ug/mL
							C8-C34	15000 ug/mL
							Diesel Range Organics [C10-C28]	15000 ug/mL
					DRO_SURR_00025	75 uL	n-Octacosane	75 ug/mL
							o-Terphenyl	75 ug/mL
. . DRO_Fuel 2_00035	04/30/18		Restek, Lot A082623		(Purchased Reagent)		C10-C22	50000 ug/mL
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
. . DRO_SURR_00025	06/06/14		Accustandard, Lot 211061046		(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
DRO_L6_00014	09/06/12	04/26/12	Methylene Chloride, Lot K07S00	5 mL	DRO_Fuel 2_00035	1.5 mL	C10-C22	15000 ug/mL
							C10-C24	15000 ug/mL
							C10-C25	15000 ug/mL
							C10-C36	15000 ug/mL
							C8-C34	15000 ug/mL
							Diesel Range Organics [C10-C28]	15000 ug/mL
					DRO_SURR_00025	75 uL	n-Octacosane	75 ug/mL
							o-Terphenyl	75 ug/mL
. DRO_Fuel 2_00035	04/30/18		Restek, Lot A082623		(Purchased Reagent)		C10-C22	50000 ug/mL
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
. DRO_SURR_00025	06/06/14		Accustandard, Lot 211061046		(Purchased Reagent)		n-Octacosane	5000 ug/mL
							o-Terphenyl	5000 ug/mL
DRO_L7_00026	10/24/12	04/24/12	Methylene Chloride, Lot K07S00	1 mL	DRO_Fuel 2_00035	0.6 mL	C10-C22	30000 ug/mL
							C10-C24	30000 ug/mL
							C10-C25	30000 ug/mL
							C10-C36	30000 ug/mL
							C8-C34	30000 ug/mL
							Diesel Range Organics [C10-C28]	30000 ug/mL
. DRO_Fuel 2_00035	04/30/18		Restek, Lot A082623		(Purchased Reagent)		C10-C22	50000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C10-C24	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C36	50000 ug/mL
							C8-C34	50000 ug/mL
							Diesel Range Organics [C10-C28]	50000 ug/mL
DRO_SSL3_00018	05/07/12	01/04/12	Methylene Chloride, Lot K07S00	5 mL	DRO_Fuel2_SS_00012	0.1 mL	Diesel Range Organics [C10-C28]	1000 ug/mL
					DRO_oterph_ss_00001	2.5 uL	o-Terphenyl	5 ug/mL
.DRO_Fuel2_SS_00012	12/14/15	Accustandard, Lot B5120159			(Purchased Reagent)		Diesel Range Organics [C10-C28]	50 mg/mL
.DRO_oterph_ss_00001	05/07/12	Restek, Lot A0801639			(Purchased Reagent)		o-Terphenyl	10000 ug/mL
Hg Daily Spk_00540	05/04/12	05/03/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00038	1 mL	Mercury, Dissolved	0.1 mg/L
.Hg Mnth Spike_00038	05/16/12	04/16/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00003	1 mL	Mercury, Dissolved	10 mg/L
..Hg Ultra Prim_00003	05/31/17	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury, Dissolved	1000 mg/L
Hg H20 ICV_00359	05/04/12	05/03/12	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00079	1 mL	Mercury, Dissolved	0.004 mg/L
.Hg Biwk ICV_00079	05/17/12	05/03/12	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00004	0.4 mL	Mercury, Dissolved	0.4 mg/L
..Hg ICV Stock_00004	04/01/13	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury, Dissolved	100 mg/L
Hg H20 CCV_00352	05/04/12	05/03/12	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_00540	5 mL	Mercury, Dissolved	0.005 mg/L
.Hg Daily Spk_00540	05/04/12	05/03/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00038	1 mL	Mercury, Dissolved	0.1 mg/L
..Hg Mnth Spike_00038	05/16/12	04/16/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00003	1 mL	Mercury, Dissolved	10 mg/L
...Hg Ultra Prim_00003	05/31/17	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury, Dissolved	1000 mg/L
IC CAL INT1_00151	05/08/12	05/01/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide, Dissolved	50 mg/L
					IC CL cal_00007	25 mL	Chloride, Dissolved	250 mg/L
					IC FL cal_00004	5 mL	Fluoride, Dissolved	50 mg/L
					IC sulfatecal_00005	25 mL	Sulfate, Dissolved	250 mg/L
.IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide, Dissolved	1000 mg/L
.IC CL cal_00007	05/30/12	Ricca, Lot 1012170			(Purchased Reagent)		Chloride, Dissolved	1000 mg/L
.IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride, Dissolved	1000 mg/L
.IC sulfatecal_00005	08/31/12	RICCA, Lot 2103026			(Purchased Reagent)		Sulfate, Dissolved	1000 mg/L
IC daily cal_00776	05/02/12	05/01/12	Di Water, Lot na	100 mL	IC CAL INT1_00151	10 mL	Bromide, Dissolved	5 mg/L
							Chloride, Dissolved	25 mg/L
							Fluoride, Dissolved	5 mg/L
							Sulfate, Dissolved	25 mg/L
.IC CAL INT1_00151	05/08/12	05/01/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide, Dissolved	50 mg/L
					IC CL cal_00007	25 mL	Chloride, Dissolved	250 mg/L
					IC FL cal_00004	5 mL	Fluoride, Dissolved	50 mg/L
					IC sulfatecal_00005	25 mL	Sulfate, Dissolved	250 mg/L
..IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide, Dissolved	1000 mg/L
..IC CL cal_00007	05/30/12	Ricca, Lot 1012170			(Purchased Reagent)		Chloride, Dissolved	1000 mg/L
..IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride, Dissolved	1000 mg/L
..IC sulfatecal_00005	08/31/12	RICCA, Lot 2103026			(Purchased Reagent)		Sulfate, Dissolved	1000 mg/L
IC ICV daily_00776	05/02/12	05/01/12	Di Water, Lot na	25 mL	IC ICV weekly_00144	1 mL	Bromide, Dissolved	2 mg/L
							Chloride, Dissolved	10 mg/L
							Fluoride, Dissolved	2 mg/L
							Sulfate, Dissolved	10 mg/L
.IC ICV weekly_00144	05/08/12	05/01/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide, Dissolved	50 mg/L
					IC CL ICV_00003	2.5 mL	Chloride, Dissolved	250 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					IC F ICV_00003	0.5 mL	Fluoride, Dissolved	50 mg/L
					IC SO4 ICV_00003	2.5 mL	Sulfate, Dissolved	250 mg/L
..IC BR ICV_00005	02/28/13	SPEX, Lot 2-89br-2			(Purchased Reagent)		Bromide, Dissolved	1000 mg/L
..IC CL ICV_00003	09/17/12	LAB CHEM, Lot 025909			(Purchased Reagent)		Chloride, Dissolved	1000 mg/L
..IC F ICV_00003	06/28/12	LAB CHEM, Lot 0169-19			(Purchased Reagent)		Fluoride, Dissolved	1000 mg/L
..IC SO4 ICV_00003	08/13/12	LAB CHEM, Lot 022401			(Purchased Reagent)		Sulfate, Dissolved	1000 mg/L
ICMS/MSD WEEK_00138	05/08/12	05/01/12	Di Water, Lot NA	10 mL	IC SPK 6 ANIO_00011	5 mL	Bromide, Dissolved	499.962 mg/L
							Chloride, Dissolved	2499.92 mg/L
							Fluoride, Dissolved	499.957 mg/L
							Sulfate, Dissolved	2500.26 mg/L
.IC SPK 6 ANIO_00011	08/13/12	02/07/12	Di Water, Lot NA	1000 mL	IC MS/MSD Br_00003	1.2877 g	Bromide, Dissolved	999.925 mg/L
					IC MS/MSD CL_00001	8.2424 g	Chloride, Dissolved	4999.84 mg/L
					IC MS/MSD F_00002	2.21 g	Fluoride, Dissolved	999.914 mg/L
					IC MS/MSD SO4_00002	9.0704 g	Sulfate, Dissolved	5000.51 mg/L
..IC MS/MSD Br_00003	09/29/21	FISHER, Lot 110569			(Purchased Reagent)		Bromide, Dissolved	0.77652 g/g
..IC MS/MSD CL_00001	05/22/13	FISHER, Lot C32068			(Purchased Reagent)		Chloride, Dissolved	0.6066 g/g
..IC MS/MSD F_00002	09/29/21	FISHER, Lot 110901			(Purchased Reagent)		Fluoride, Dissolved	0.45245 g/g
..IC MS/MSD SO4_00002	02/21/14	BAKER, Lot G29146			(Purchased Reagent)		Sulfate, Dissolved	0.5513 g/g
ICP CCVH_00220	07/01/12	04/30/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00130	250 mL	Dissolved Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00130	07/01/12	04/30/12	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00007	10 mL	Dissolved Aluminum	100 mg/L
					10000 Fe_00006	10 mL	Iron	100 mg/L
					10000 Na_00017	50 mL	Sodium	500 mg/L
..10000 Al_00007	03/01/13	Inorganic Ventures, Lot E2-AL04105			(Purchased Reagent)		Dissolved Aluminum	10000 mg/L
..10000 Fe_00006	10/01/12	Inorganic Ventures, Lot E2-FE03139			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00017	01/01/13	Inorganic Ventures, Lot e2-na03095			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00221	07/01/12	05/03/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00131	250 mL	Dissolved Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00131	07/01/12	05/03/12	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00007	10 mL	Dissolved Aluminum	100 mg/L
					10000 Fe_00006	10 mL	Iron	100 mg/L
					10000 Na_00017	50 mL	Sodium	500 mg/L
..10000 Al_00007	03/01/13	Inorganic Ventures, Lot E2-AL04105			(Purchased Reagent)		Dissolved Aluminum	10000 mg/L
..10000 Fe_00006	10/01/12	Inorganic Ventures, Lot E2-FE03139			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00017	01/01/13	Inorganic Ventures, Lot e2-na03095			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVL_00243	09/01/12	04/30/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00222	250 mL	Dissolved Silicon	5 mg/L
							Titanium	0.5 mg/L
							Dissolved Aluminum	0.5 mg/L
							Dissolved Boron	0.5 mg/L
							Dissolved Calcium	5 mg/L
							Iron	2.5 mg/L
							Lithium	1 mg/L
							Magnesium	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Potassium	50 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
.ICP ICAL1A_00222	09/01/12	04/30/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	Icp cal std 2_00005	5 mL	Dissolved Silicon	10 mg/L
							Titanium	1 mg/L
					Icp cal std 3_00005	5 mL	Dissolved Aluminum	1 mg/L
							Dissolved Boron	1 mg/L
							Dissolved Calcium	10 mg/L
							Iron	5 mg/L
							Lithium	2 mg/L
							Magnesium	40 mg/L
							Potassium	100 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
..Icp cal std 2_00005	01/01/13	Inorganic Ventures, Lot E2-meb407033			(Purchased Reagent)		Dissolved Silicon	1000 mg/L
							Titanium	100 mg/L
..Icp cal std 3_00005	01/01/13	Inorganic Ventures, Lot D2-meb357104			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	1000 mg/L
							Iron	500 mg/L
							Lithium	200 mg/L
							Magnesium	4000 mg/L
							Potassium	10000 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
ICP CCVL_00244	09/01/12	05/04/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00223	250 mL	SiO2, Silica	10.7 mg/L
							Titanium	0.5 mg/L
							Dissolved Aluminum	0.5 mg/L
							Dissolved Boron	0.5 mg/L
							Dissolved Calcium	5 mg/L
							Iron	2.5 mg/L
							Lithium	1 mg/L
							Magnesium	20 mg/L
							Potassium	50 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Total Phosphorus	1 mg/L
.ICP ICAL1A_00223	09/01/12	05/04/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	Icp cal std 2_00005	5 mL	SiO2, Silica	21.4 mg/L
							Titanium	1 mg/L
					Icp cal std 3_00005	5 mL	Dissolved Aluminum	1 mg/L
							Dissolved Boron	1 mg/L
							Dissolved Calcium	10 mg/L
							Iron	5 mg/L
							Lithium	2 mg/L
							Magnesium	40 mg/L
							Potassium	100 mg/L
							Sodium	10 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Strontium	1 mg/L
							Total Phosphorus	2 mg/L
..Icp cal std 2_00005	01/01/13	Inorganic Ventures, Lot E2-meb407033			(Purchased Reagent)		SiO2, Silica	2140 mg/L
							Titanium	100 mg/L
..Icp cal std 3_00005	01/01/13	Inorganic Ventures, Lot D2-meb357104			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	1000 mg/L
							Iron	500 mg/L
							Lithium	200 mg/L
							Magnesium	4000 mg/L
							Potassium	10000 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Total Phosphorus	200 mg/L
ICP ICSA_00055	10/01/12	04/16/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00005	25 mL	Dissolved Aluminum	500 mg/L
							Dissolved Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00005	10/01/12	Inorganic Ventures, Lot e2-meb348035			(Purchased Reagent)		Dissolved Aluminum	5000 mg/L
							Dissolved Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSA_00056	10/01/12	05/07/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00005	25 mL	Dissolved Aluminum	500 mg/L
							Dissolved Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00005	10/01/12	Inorganic Ventures, Lot e2-meb348035			(Purchased Reagent)		Dissolved Aluminum	5000 mg/L
							Dissolved Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSAB_00048	05/17/12	04/25/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Bi_00011	0.25 mL	Bi	1 mg/L
					1000 Zr_00004	0.25 mL	Zr	1 mg/L
					10000 Si_00007	0.25 mL	Dissolved Silicon	10 mg/L
							SiO2, Silica	21.4 mg/L
					10000 Th_00003	0.05 mL	Th	2 mg/L
					ANALYTES B_00005	2.5 mL	Dissolved Barium	0.5 mg/L
							Dissolved Beryllium	0.5 mg/L
							Dissolved Cadmium	1 mg/L
							Dissolved Chromium	0.5 mg/L
							Dissolved Cobalt	0.5 mg/L
							Dissolved Copper	0.5 mg/L
							Lead	1 mg/L
							Manganese	0.5 mg/L
							Nickel	1 mg/L
							Silver	1 mg/L
							Vanadium	0.5 mg/L
							Zinc	1 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluted Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ICP ISAB 1B_00003	2.5 mL	Thallium	10 mg/L
					ICP ISAB STD1_00003	2.5 mL	Dissolved Antimony	1 mg/L
							Dissolved Arsenic	2 mg/L
							Dissolved Boron	2 mg/L
							Lithium	1 mg/L
							Molybdenum	1 mg/L
							Potassium	50 mg/L
							Selenium	5 mg/L
							Sodium	50 mg/L
							Strontium	1 mg/L
							Total Phosphorus	2 mg/L
					ICP ISAB STD2_00003	2.5 mL	Sn	10 mg/L
							Titanium	1 mg/L
					Icp stk ICSA_00005	25 mL	Dissolved Aluminum	500 mg/L
							Dissolved Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.1000 Bi_00011	09/19/13	HP, Lot 1202025			(Purchased Reagent)		Bi	1000 mg/L
.1000 Zr_00004	04/01/13	Spex, Lot E2-ZR01085			(Purchased Reagent)		Zr	1000 mg/L
.10000 Si_00007	04/01/13	Inorganic ventures, Lot F2-SI03011			(Purchased Reagent)		Dissolved Silicon	10000 mg/L
							SiO2, Silica	21400 mg/L
.10000 Th_00003	01/01/13	Inorganic Ventures, Lot D2-TH01080			(Purchased Reagent)		Th	10000 mg/L
.ANALYTES B_00005	01/15/13	SPEX, Lot 43-33AS			(Purchased Reagent)		Dissolved Barium	50 mg/L
							Dissolved Beryllium	50 mg/L
							Dissolved Cadmium	100 mg/L
							Dissolved Chromium	50 mg/L
							Dissolved Cobalt	50 mg/L
							Dissolved Copper	50 mg/L
							Lead	100 mg/L
							Manganese	50 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	50 mg/L
							Zinc	100 mg/L
.ICP ISAB 1B_00003	05/17/12	High Purity, Lot 1113639			(Purchased Reagent)		Thallium	1000 mg/L
.ICP ISAB STD1_00003	05/17/12	High Purity, Lot 1113638			(Purchased Reagent)		Dissolved Antimony	100 mg/L
							Dissolved Arsenic	200 mg/L
							Dissolved Boron	200 mg/L
							Lithium	100 mg/L
							Molybdenum	100 mg/L
							Potassium	5000 mg/L
							Selenium	500 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Total Phosphorus	200 mg/L
.ICP ISAB STD2_00003	05/17/12	High Purity, Lot 1113640			(Purchased Reagent)		Sn	1000 mg/L
							Titanium	100 mg/L
.Icp stk ICSA_00005	10/01/12	Inorganic Ventures, Lot e2-meb348035			(Purchased Reagent)		Dissolved Aluminum	5000 mg/L
							Dissolved Calcium	5000 mg/L
							Iron	2000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Magnesium	5000 mg/L
ICP ICVH_00080	01/13/13	04/25/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00073	2 mL	Dissolved Aluminum	40 mg/L
							Dissolved Calcium	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00073	01/13/13		High Purity, Lot 1202720		(Purchased Reagent)		Dissolved Aluminum	4000 mg/L
							Dissolved Calcium	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVL_00070	03/19/13	04/26/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00004	2 mL	Dissolved Aluminum	0.25 mg/L
							Dissolved Boron	0.25 mg/L
							Dissolved Calcium	2 mg/L
							Iron	0.25 mg/L
							Lithium	0.25 mg/L
							Magnesium	10 mg/L
							Potassium	20 mg/L
							Sodium	2 mg/L
							Strontium	0.25 mg/L
					Icp ICVL B_00004	2 mL	Dissolved Silicon	2 mg/L
							SiO2, Silica	4.28 mg/L
							Titanium	0.25 mg/L
							Total Phosphorus	2 mg/L
.Icp ICVL A_00004	03/19/13		High Purity, Lot 1207636		(Purchased Reagent)		Dissolved Aluminum	25 mg/L
							Dissolved Boron	25 mg/L
							Dissolved Calcium	200 mg/L
							Iron	25 mg/L
							Lithium	25 mg/L
							Magnesium	1000 mg/L
							Potassium	2000 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L
.Icp ICVL B_00004	03/19/13		HIGH PURITY, Lot 1207615		(Purchased Reagent)		Dissolved Silicon	200 mg/L
							SiO2, Silica	428 mg/L
							Titanium	25 mg/L
							Total Phosphorus	200 mg/L
ICP RL STD_00623	05/01/12	04/30/12	5: HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00004	0.1 mL	Dissolved Silicon	0.5 mg/L
							Titanium	0.01 mg/L
					ICP RL STD3A_00003	0.1 mL	Dissolved Aluminum	0.1 mg/L
							Dissolved Boron	0.1 mg/L
							Dissolved Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Lithium	0.01 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
.ICP RL STD 2A_00004	07/01/12		Inorganic Ventures, Lot D2-MEB338156		(Purchased Reagent)		Dissolved Silicon	500 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Titanium	10 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	200 mg/L
							Iron	30 mg/L
							Lithium	10 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
ICP RL STD_00626	05/04/12	05/03/12	5: HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00004	0.1 mL	Dissolved Silicon	0.5 mg/L
							Titanium	0.01 mg/L
					ICP RL STD3A_00003	0.1 mL	Dissolved Aluminum	0.1 mg/L
							Dissolved Boron	0.1 mg/L
							Dissolved Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Lithium	0.01 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
.ICP RL STD 2A_00004	07/01/12	Inorganic Ventures, Lot D2-MEB336156			(Purchased Reagent)		Dissolved Silicon	500 mg/L
							Titanium	10 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	200 mg/L
							Iron	30 mg/L
							Lithium	10 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
ICP RL STD_00627	05/05/12	05/04/12	5: HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00004	0.1 mL	Dissolved Silicon	0.5 mg/L
							Titanium	0.01 mg/L
					ICP RL STD3A_00003	0.1 mL	Dissolved Aluminum	0.1 mg/L
							Dissolved Boron	0.1 mg/L
							Dissolved Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Lithium	0.01 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
.ICP RL STD 2A_00004	07/01/12	Inorganic Ventures, Lot D2-MEB336156			(Purchased Reagent)		Dissolved Silicon	500 mg/L
							Titanium	10 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	200 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iron	30 mg/L
							Lithium	10 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
ICP RL STD_00628	05/08/12	05/07/12	5: HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00004	0.1 mL	SiO2, Silica	1.07 mg/L
							Titanium	0.01 mg/L
					ICP RL STD3A_00003	0.1 mL	Dissolved Aluminum	0.1 mg/L
							Dissolved Boron	0.1 mg/L
							Dissolved Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Lithium	0.01 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Total Phosphorus	1 mg/L
.ICP RL STD 2A_00004	07/01/12	Inorganic Ventures, Lot D2-MEB336156			(Purchased Reagent)		SiO2, Silica	1070 mg/L
							Titanium	10 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	200 mg/L
							Iron	30 mg/L
							Lithium	10 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Total Phosphorus	1000 mg/L
ICP RL STD_00629	05/09/12	05/08/12	5: HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00004	0.1 mL	SiO2, Silica	1.07 mg/L
							Titanium	0.01 mg/L
					ICP RL STD3A_00003	0.1 mL	Dissolved Aluminum	0.1 mg/L
							Dissolved Boron	0.1 mg/L
							Dissolved Calcium	0.2 mg/L
							Lithium	0.01 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Total Phosphorus	1 mg/L
.ICP RL STD 2A_00004	07/01/12	Inorganic Ventures, Lot D2-MEB336156			(Purchased Reagent)		SiO2, Silica	1070 mg/L
							Titanium	10 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Dissolved Aluminum	100 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Calcium	200 mg/L
							Lithium	10 mg/L
							Magnesium	200 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Potassium	1000 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Total Phosphorus	1000 mg/L
ICP SPK 2A_00042	04/01/13		Inorganic Ventures, Lot F2--MEB416010		(Purchased Reagent)		Dissolved Antimony	50 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Silicon	1000 mg/L
							Molybdenum	100 mg/L
							SiO2, Silica	2140 mg/L
							Sn	200 mg/L
							Titanium	100 mg/L
							Zr	50 mg/L
ICP SPK 2A_00043	05/01/13		Inorganic Ventures, Lot F2--MEB416010		(Purchased Reagent)		Dissolved Antimony	50 mg/L
							Dissolved Boron	100 mg/L
							Dissolved Silicon	1000 mg/L
							Molybdenum	100 mg/L
							SiO2, Silica	2140 mg/L
							Sn	200 mg/L
							Titanium	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00044	04/01/13		Inorganic Ventures, Lot F2-MEB416011		(Purchased Reagent)		Bi	200 mg/L
							Dissolved Aluminum	200 mg/L
							Dissolved Arsenic	100 mg/L
							Dissolved Barium	200 mg/L
							Dissolved Beryllium	5 mg/L
							Dissolved Cadmium	10 mg/L
							Dissolved Calcium	5000 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	50 mg/L
							Dissolved Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Lithium	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							Total Phosphorus	1000 mg/L
							Uranium	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
ICP SPK 3A_00045	05/01/13		Inorganic Ventures, Lot F2-MEB416011		(Purchased Reagent)		Bi	200 mg/L
							Dissolved Aluminum	200 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluent Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Arsenic	100 mg/L
							Dissolved Barium	200 mg/L
							Dissolved Beryllium	5 mg/L
							Dissolved Cadmium	10 mg/L
							Dissolved Calcium	5000 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	50 mg/L
							Dissolved Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Lithium	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							Total Phosphorus	1000 mg/L
							Uranium	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
LL Phos ICV 1_00046	05/09/12	05/08/12	Di Water, Lot 1	20 mL	LPhos ICV int_00137	2 mL	Orthophosphate	1000 ug/L
							Total Phosphorus	1000 ug/L
							Total Phosphorus as PO4	3066 ug/L
.LPhos ICV int_00137	05/09/12	05/08/12	Di Water, Lot na	100 mL	Phos ICV std_00005	1 mL	Orthophosphate	10 mg/L
							Total Phosphorus	10 mg/L
							Total Phosphorus as PO4	30.66 mg/L
..Phos ICV std_00005	01/17/13		Lab Chem, Lot A014-13		(Purchased Reagent)		Orthophosphate	1000 mg/L
							Total Phosphorus	1000 mg/L
							Total Phosphorus as PO4	3066 mg/L
LL Phos wrk 1_00025	05/09/12	05/08/12	Di Water, Lot 1	20 mL	Lphos cal int_00139	2 mL	Orthophosphate	1000 ug/L
							Total Phosphorus	1000 ug/L
							Total Phosphorus as PO4	3066 ug/L
.Lphos cal int_00139	05/09/12	05/08/12	Di Water, Lot na	100 mL	phos cal std_00014	1 mL	Orthophosphate	10 mg/L
							Total Phosphorus	10 mg/L
							Total Phosphorus as PO4	30.66 mg/L
..phos cal std_00014	01/01/13		Ricca, Lot 4101656		(Purchased Reagent)		Orthophosphate	1000 mg/L
							Total Phosphorus	1000 mg/L
							Total Phosphorus as PO4	3066 mg/L
ms 77 RL_00103	05/02/12	05/01/12	2%HNO3/0.5% HCl, Lot I02030/k50038	50 mL	ms 77 cal std_00250	0.5 mL	Dissolved Arsenic	0.001 mg/L
							Dissolved Barium	0.001 mg/L
							Dissolved Beryllium	0.001 mg/L
							Dissolved Cadmium	0.001 mg/L
							Dissolved Chromium	0.001 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Cobalt	0.001 mg/L
							Dissolved Copper	0.001 mg/L
							Lead	0.001 mg/L
							Manganese	0.001 mg/L
							Nickel	0.001 mg/L
							Selenium	0.001 mg/L
							Silver	0.001 mg/L
							Thallium	0.001 mg/L
							Uranium	0.001 mg/L
							Vanadium	0.001 mg/L
							Dissolved Antimony	0.001 mg/L
							Molybdenum	0.001 mg/L
.ms 77 cal std_00250	05/02/12	05/01/12	2%HNO3/0.5%HCl, Lot I02030/k50038	100 mL	MS CALSTD-1_00064	0.5 mL	Dissolved Arsenic	0.1 mg/L
							Dissolved Barium	0.1 mg/L
							Dissolved Beryllium	0.1 mg/L
							Dissolved Cadmium	0.1 mg/L
							Dissolved Chromium	0.1 mg/L
							Dissolved Cobalt	0.1 mg/L
							Dissolved Copper	0.1 mg/L
							Lead	0.1 mg/L
							Manganese	0.1 mg/L
							Nickel	0.1 mg/L
							Selenium	0.1 mg/L
							Silver	0.1 mg/L
							Thallium	0.1 mg/L
							Uranium	0.1 mg/L
							Vanadium	0.1 mg/L
					MS CALSTD-2_00064	0.5 mL	Dissolved Antimony	0.1 mg/L
							Molybdenum	0.1 mg/L
..MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
..MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
ms 77 RL_00104	05/03/12	05/02/12	2%HNO3/0.5% HCl, Lot I02030/k50038	50 mL	ms 77 cal std_00251	0.5 mL	Dissolved Arsenic	0.001 mg/L
							Dissolved Barium	0.001 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Beryllium	0.001 mg/L
							Dissolved Cadmium	0.001 mg/L
							Dissolved Chromium	0.001 mg/L
							Dissolved Cobalt	0.001 mg/L
							Dissolved Copper	0.001 mg/L
							Lead	0.001 mg/L
							Manganese	0.001 mg/L
							Nickel	0.001 mg/L
							Selenium	0.001 mg/L
							Silver	0.001 mg/L
							Thallium	0.001 mg/L
							Uranium	0.001 mg/L
							Vanadium	0.001 mg/L
							Zinc	0.001 mg/L
							Dissolved Antimony	0.001 mg/L
							Molybdenum	0.001 mg/L
.ms 77 cal std_00251	05/03/12	05/02/12	2%HNO3/0.5%HCl, Lot I02030/k50038	100 mL	MS CALSTD-1_00064	0.5 mL	Dissolved Arsenic	0.1 mg/L
							Dissolved Barium	0.1 mg/L
							Dissolved Beryllium	0.1 mg/L
							Dissolved Cadmium	0.1 mg/L
							Dissolved Chromium	0.1 mg/L
							Dissolved Cobalt	0.1 mg/L
							Dissolved Copper	0.1 mg/L
							Lead	0.1 mg/L
							Manganese	0.1 mg/L
							Nickel	0.1 mg/L
							Selenium	0.1 mg/L
							Silver	0.1 mg/L
							Thallium	0.1 mg/L
							Uranium	0.1 mg/L
							Vanadium	0.1 mg/L
							Zinc	0.1 mg/L
					MS CALSTD-2_00064	0.5 mL	Dissolved Antimony	0.1 mg/L
							Molybdenum	0.1 mg/L
..MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Zinc	20 mg/L
..MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
ms 77 cal std_00250	05/02/12	05/01/12	2%HNO3/0.5%HCl, Lot I02030/k50038	100 mL	MS CALSTD-1_00064	0.5 mL	Dissolved Arsenic	0.1 mg/L
							Dissolved Barium	0.1 mg/L
							Dissolved Beryllium	0.1 mg/L
							Dissolved Cadmium	0.1 mg/L
							Dissolved Chromium	0.1 mg/L
							Dissolved Cobalt	0.1 mg/L
							Dissolved Copper	0.1 mg/L
							Lead	0.1 mg/L
							Manganese	0.1 mg/L
							Nickel	0.1 mg/L
							Selenium	0.1 mg/L
							Silver	0.1 mg/L
							Thallium	0.1 mg/L
							Uranium	0.1 mg/L
							Vanadium	0.1 mg/L
							Zinc	0.1 mg/L
					MS CALSTD-2_00064	0.5 mL	Dissolved Antimony	0.1 mg/L
							Molybdenum	0.1 mg/L
.MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
ms 77 ccv_00252	05/02/12	05/01/12	2%HNO3/0.5% HCl, Lot I02030/k50038	100 mL	ms 77 cal std_00250	50 mL	Dissolved Arsenic	0.05 mg/L
							Dissolved Barium	0.05 mg/L
							Dissolved Beryllium	0.05 mg/L
							Dissolved Cadmium	0.05 mg/L
							Dissolved Chromium	0.05 mg/L
							Dissolved Cobalt	0.05 mg/L
							Dissolved Copper	0.05 mg/L
							Lead	0.05 mg/L
							Manganese	0.05 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nickel	0.05 mg/L
							Selenium	0.05 mg/L
							Silver	0.05 mg/L
							Thallium	0.05 mg/L
							Uranium	0.05 mg/L
							Vanadium	0.05 mg/L
							Zinc	0.05 mg/L
							Dissolved Antimony	0.05 mg/L
							Molybdenum	0.05 mg/L
.ms 77 cal std_00250	05/02/12	05/01/12	2%HNO3/0.5%HCl, Lot I02030/k50038	100 mL	MS CALSTD-1_00064	0.5 mL	Dissolved Arsenic	0.1 mg/L
							Dissolved Barium	0.1 mg/L
							Dissolved Beryllium	0.1 mg/L
							Dissolved Cadmium	0.1 mg/L
							Dissolved Chromium	0.1 mg/L
							Dissolved Cobalt	0.1 mg/L
							Dissolved Copper	0.1 mg/L
							Lead	0.1 mg/L
							Manganese	0.1 mg/L
							Nickel	0.1 mg/L
							Selenium	0.1 mg/L
							Silver	0.1 mg/L
							Thallium	0.1 mg/L
							Uranium	0.1 mg/L
							Vanadium	0.1 mg/L
							Zinc	0.1 mg/L
					MS CALSTD-2_00064	0.5 mL	Dissolved Antimony	0.1 mg/L
							Molybdenum	0.1 mg/L
..MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
..MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
ms 77 ccv_00253	05/03/12	05/02/12	2%HNO3/0.5% HCl, Lot I02030/k50038	100 mL	ms 77 cal std_00251	50 mL	Dissolved Arsenic	0.05 mg/L
							Dissolved Barium	0.05 mg/L
							Dissolved Beryllium	0.05 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Cadmium	0.05 mg/L
							Dissolved Chromium	0.05 mg/L
							Dissolved Cobalt	0.05 mg/L
							Dissolved Copper	0.05 mg/L
							Lead	0.05 mg/L
							Manganese	0.05 mg/L
							Nickel	0.05 mg/L
							Selenium	0.05 mg/L
							Silver	0.05 mg/L
							Thallium	0.05 mg/L
							Uranium	0.05 mg/L
							Vanadium	0.05 mg/L
							Zinc	0.05 mg/L
							Dissolved Antimony	0.05 mg/L
							Molybdenum	0.05 mg/L
.ms 77 cal std_00251	05/03/12	05/02/12	2%HNO3/0.5%HCl, Lot I02030/k50038	100 mL	MS CALSTD-1_00064	0.5 mL	Dissolved Arsenic	0.1 mg/L
							Dissolved Barium	0.1 mg/L
							Dissolved Beryllium	0.1 mg/L
							Dissolved Cadmium	0.1 mg/L
							Dissolved Chromium	0.1 mg/L
							Dissolved Cobalt	0.1 mg/L
							Dissolved Copper	0.1 mg/L
							Lead	0.1 mg/L
							Manganese	0.1 mg/L
							Nickel	0.1 mg/L
							Selenium	0.1 mg/L
							Silver	0.1 mg/L
							Thallium	0.1 mg/L
							Uranium	0.1 mg/L
							Vanadium	0.1 mg/L
							Zinc	0.1 mg/L
					MS CALSTD-2_00064	0.5 mL	Dissolved Antimony	0.1 mg/L
							Molybdenum	0.1 mg/L
..MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
MS 77 ICSA_00029	03/01/13	04/30/12	2%HNO3/0.5% HCl, Lot I02030/k50038	100 mL	MS ICSA STOCK_00011	10 mL	Dissolved Aluminum	100000 ug/L
							Iron	100000 ug/L
							Magnesium	100000 ug/L
							Molybdenum	2000 ug/L
.MS ICSA STOCK_00011	03/01/13	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Dissolved Aluminum	1000 mg/L
							Iron	1000 mg/L
							Magnesium	1000 mg/L
							Molybdenum	20 mg/L
MS 77 ICSAB_00024	11/14/12	04/20/12	2%HNO3/0.5% HCl, Lot I02030/k50038	100 mL	MS BRC CALSTD_00006	0.5 mL	Nb	200 ug/L
							Pd	100 ug/L
							Pt	100 ug/L
							W	100 ug/L
					MS CALSTD-1_00064	0.5 mL	Dissolved Arsenic	100 ug/L
							Dissolved Barium	100 ug/L
							Dissolved Beryllium	100 ug/L
							Dissolved Cadmium	100 ug/L
							Dissolved Chromium	100 ug/L
							Dissolved Cobalt	100 ug/L
							Dissolved Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Th	100 ug/L
							Thallium	100 ug/L
							Uranium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00064	0.5 mL	Dissolved Antimony	100 ug/L
							Molybdenum	2100 ug/L
							Sn	100 ug/L
					MS CALSTD-3_00006	0.5 mL	Dissolved Aluminum	110000 ug/L
							Iron	110000 ug/L
							Magnesium	110000 ug/L
					MS ICSA STOCK_00011	10 mL	Dissolved Aluminum	110000 ug/L
							Iron	110000 ug/L
							Magnesium	110000 ug/L
							Molybdenum	2100 ug/L
.MS BRC CALSTD_00006	04/01/13	Inorganic Ventures, Lot E2-MEB389134			(Purchased Reagent)		Nb	40 mg/L
							Pd	20 mg/L
							Pt	20 mg/L
							W	20 mg/L
.MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Th	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00064	03/06/13		Inorganic Ventures, Lot E2-MEB394077		(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
							Sn	20 mg/L
.MS CALSTD-3_00006	11/14/12		Inorganic Ventures, Lot E2-MEB398129		(Purchased Reagent)		Dissolved Aluminum	2000 mg/L
							Iron	2000 mg/L
							Magnesium	2000 mg/L
.MS ICSA STOCK_00011	03/01/13		Inorganic Ventures, Lot E2-MEB371022		(Purchased Reagent)		Dissolved Aluminum	1000 mg/L
							Iron	1000 mg/L
							Magnesium	1000 mg/L
							Molybdenum	20 mg/L
MS 77 ICV_00256	05/02/12	05/01/12	2%HNO3/0.5% HCl, Lot I02030/k50038	50 mL	MS ICV-A HP_00005	0.1 mL	Dissolved Arsenic	0.04 mg/L
							Dissolved Barium	0.04 mg/L
							Dissolved Beryllium	0.04 mg/L
							Dissolved Cadmium	0.04 mg/L
							Dissolved Chromium	0.04 mg/L
							Dissolved Cobalt	0.04 mg/L
							Dissolved Copper	0.04 mg/L
							Lead	0.04 mg/L
							Manganese	0.04 mg/L
							Nickel	0.04 mg/L
							Selenium	0.04 mg/L
							Thallium	0.04 mg/L
							Uranium	0.04 mg/L
							Vanadium	0.04 mg/L
							Zinc	0.04 mg/L
					MS ICV-B HP_00004	0.1 mL	Dissolved Antimony	0.04 mg/L
							Molybdenum	0.04 mg/L
							Silver	0.04 mg/L
.MS ICV-A HP_00005	02/07/13		HIGH PURITY, Lot 1203716		(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS ICV-B HP_00004	02/07/13		HIGH PURITY, Lot 1203717		(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
							Silver	20 mg/L
MS 77 ICV_00257	05/03/12	05/02/12	2%HNO3/0.5% HCl, Lot I02030/k50038	50 mL	MS ICV-A HP_00005	0.1 mL	Dissolved Arsenic	0.04 mg/L
							Dissolved Barium	0.04 mg/L
							Dissolved Beryllium	0.04 mg/L
							Dissolved Cadmium	0.04 mg/L
							Dissolved Chromium	0.04 mg/L
							Dissolved Cobalt	0.04 mg/L
							Dissolved Copper	0.04 mg/L
							Lead	0.04 mg/L
							Manganese	0.04 mg/L
							Nickel	0.04 mg/L
							Selenium	0.04 mg/L
							Thallium	0.04 mg/L
							Uranium	0.04 mg/L
							Vanadium	0.04 mg/L
							Zinc	0.04 mg/L
					MS ICV-B HP_00004	0.1 mL	Dissolved Antimony	0.04 mg/L
							Molybdenum	0.04 mg/L
							Silver	0.04 mg/L
.MS ICV-A HP_00005	02/07/13		HIGH PURITY, Lot 1203716		(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS ICV-B HP_00004	02/07/13		HIGH PURITY, Lot 1203717		(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
							Silver	20 mg/L
MS CALSTD-1_00064	03/01/13		Inorganic Ventures, Lot E2-MEB394076		(Purchased Reagent)		Dissolved Arsenic	20 mg/L
							Dissolved Barium	20 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Beryllium	20 mg/L
							Dissolved Cadmium	20 mg/L
							Dissolved Chromium	20 mg/L
							Dissolved Cobalt	20 mg/L
							Dissolved Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Th	20 mg/L
							Thallium	20 mg/L
							Uranium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
MS CALSTD-2_00063	03/01/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
							Sn	20 mg/L
MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Dissolved Antimony	20 mg/L
							Molybdenum	20 mg/L
MS-AP9-010_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	25 uL	Dimethoate	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Methyl parathion	10 ug/mL
							o,o',o''-Triethyl phosphorothioate	10 ug/mL
							Phorate	10 ug/mL
							Sulfotepp	10 ug/mL
							Thionazin	10 ug/mL
							1-Chloronaphthalene	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							3,3'-Dimethylbenzidine	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,3,5-Trinitrobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL
							3-Methylcholanthrene	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Dinoseb	10 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diphenylamine	10 ug/mL
							Ethyl methanesulfonate	10 ug/mL
							Hexachloropropene	10 ug/mL
							Methapyrilene	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosodiethylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosomorpholine	10 ug/mL
							N-Nitrosopiperidine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							Pentachlorobenzene	10 ug/mL
							Pentachloroethane	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenacetin	10 ug/mL
							Safrole, Total	10 ug/mL
							1,4-Dinitrobenzene	10 ug/mL
							1,4-Naphthoquinone	10 ug/mL
							alpha,alpha-Dimethyl phenethylamine	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Dibenz[a,j]acridine	10 ug/mL
							Isodrin	10 ug/mL
							Pronamide	10 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylenediamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-020_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	50 uL	Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethyl phosphorothioate	20 ug/mL
							Phorate	20 ug/mL
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
							1-Chloronaphthalene	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,3,5-Trinitrobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3-Methylcholanthrene	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Dinoseb	20 ug/mL
							Diphenylamine	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	20 ug/mL
							Methapyrilene	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							Pentachlorobenzene	20 ug/mL
							Pentachloroethane	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Safrole, Total	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1,4-Naphthoquinone	20 ug/mL
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Dibenz[a,j]acridine	20 ug/mL
							Isodrin	20 ug/mL
							Pronamide	20 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylenediamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethyl phosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Saffrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Saffrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-050_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	125 uL	Dimethoate	50 ug/mL
							Disulfoton	50 ug/mL
							Ethyl Parathion	50 ug/mL
							Methyl parathion	50 ug/mL
							o,o',o''-Triethylphosphorothioate	50 ug/mL
							Phorate	50 ug/mL
							Sulfotepp	50 ug/mL
							Thionazin	50 ug/mL
							1-Chloronaphthalene	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							p-Phenylene diamine	50 ug/mL
							3,3'-Dimethylbenzidine	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1-Naphthylamine	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							2-Acetylaminofluorene	50 ug/mL
							2-Naphthylamine	50 ug/mL
							2-Picoline	50 ug/mL
							2-Toluidine	50 ug/mL
							3-Methylcholanthrene	50 ug/mL
							4-Aminobiphenyl	50 ug/mL
							4-Nitroquinoline-1-oxide	50 ug/mL
							7,12-Dimethylbenz(a)anthracene	50 ug/mL
							Dinoseb	50 ug/mL
							Diphenylamine	50 ug/mL
							Ethyl methanesulfonate	50 ug/mL
							Hexachloropropene	50 ug/mL
							Methapyrilene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	50 ug/mL
							N-Nitro-o-toluidine	50 ug/mL
							N-Nitrosodi-n-butylamine	50 ug/mL
							N-Nitrosodiethylamine	50 ug/mL
							N-Nitrosomethylethylamine	50 ug/mL
							N-Nitrosomorpholine	50 ug/mL
							N-Nitrosopiperidine	50 ug/mL
							N-Nitrosopyrrolidine	50 ug/mL
							p-Dimethylamino azobenzene	50 ug/mL
							Pentachlorobenzene	50 ug/mL
							Pentachloroethane	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenacetin	50 ug/mL
							Safrole, Total	50 ug/mL
							1,4-Dinitrobenzene	50 ug/mL
							1,4-Naphthoquinone	50 ug/mL
							alpha,alpha-Dimethyl phenethylamine	50 ug/mL
							Chlorobenzilate	50 ug/mL
							Dibenz[a,j]acridine	50 ug/mL
							Isodrin	50 ug/mL
							Pronamide	50 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethyl phosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-080_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	200 uL	Dimethoate	80 ug/mL
							Disulfoton	80 ug/mL
							Ethyl Parathion	80 ug/mL
							Methyl parathion	80 ug/mL
							o,o',o''-Triethylphosphorothioate	80 ug/mL
							Phorate	80 ug/mL
							Sulfotepp	80 ug/mL
							Thionazin	80 ug/mL
							1-Chloronaphthalene	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							p-Phenylene diamine	80 ug/mL
							3,3'-Dimethylbenzidine	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,3,5-Trinitrobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1-Naphthylamine	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2-Acetylaminofluorene	80 ug/mL
							2-Naphthylamine	80 ug/mL
							2-Picoline	80 ug/mL
							2-Toluidine	80 ug/mL
							3-Methylcholanthrene	80 ug/mL
							4-Aminobiphenyl	80 ug/mL
							4-Nitroquinoline-1-oxide	80 ug/mL
							7,12-Dimethylbenz(a)anthracene	80 ug/mL
							Dinoseb	80 ug/mL
							Diphenylamine	80 ug/mL
							Ethyl methanesulfonate	80 ug/mL
							Hexachloropropene	80 ug/mL
							Methapyrilene	80 ug/mL
							Methyl methanesulfonate	80 ug/mL
							N-Nitro-o-toluidine	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	80 ug/mL
							N-Nitrosodiethylamine	80 ug/mL
							N-Nitrosomethylethylamine	80 ug/mL
							N-Nitrosomorpholine	80 ug/mL
							N-Nitrosopiperidine	80 ug/mL
							N-Nitrosopyrrolidine	80 ug/mL
							p-Dimethylamino azobenzene	80 ug/mL
							Pentachlorobenzene	80 ug/mL
							Pentachloroethane	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenacetin	80 ug/mL
							Safrole, Total	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1,4-Naphthoquinone	80 ug/mL
							alpha,alpha-Dimethylphenethylamine	80 ug/mL
							Chlorobenzilate	80 ug/mL
							Dibenz[a,j]acridine	80 ug/mL
							Isodrin	80 ug/mL
							Pronamide	80 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylaminoazobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylaminoazobenzene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethylphenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylenediamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-120_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	300 uL	Dimethoate	120 ug/mL
							Disulfoton	120 ug/mL
							Ethyl Parathion	120 ug/mL
							Methyl parathion	120 ug/mL
							o,o',o''-Triethyl phosphorothioate	120 ug/mL
							Phorate	120 ug/mL
							Sulfotepp	120 ug/mL
							Thionazin	120 ug/mL
							1-Chloronaphthalene	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							p-Phenylene diamine	120 ug/mL
							3,3'-Dimethylbenzidine	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,3,5-Trinitrobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1-Naphthylamine	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							2-Acetylaminofluorene	120 ug/mL
							2-Naphthylamine	120 ug/mL
							2-Picoline	120 ug/mL
							2-Toluidine	120 ug/mL
							3-Methylcholanthrene	120 ug/mL
							4-Aminobiphenyl	120 ug/mL
							4-Nitroquinoline-1-oxide	120 ug/mL
							7,12-Dimethylbenz(a)anthracene	120 ug/mL
							Dinoseb	120 ug/mL
							Diphenylamine	120 ug/mL
							Ethyl methanesulfonate	120 ug/mL
							Hexachloropropene	120 ug/mL
							Methapyrilene	120 ug/mL
							Methyl methanesulfonate	120 ug/mL
							N-Nitro-o-toluidine	120 ug/mL
							N-Nitrosodi-n-butylamine	120 ug/mL
							N-Nitrosodiethylamine	120 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	120 ug/mL
							N-Nitrosomorpholine	120 ug/mL
							N-Nitrosopiperidine	120 ug/mL
							N-Nitrosopyrrolidine	120 ug/mL
							p-Dimethylamino azobenzene	120 ug/mL
							Pentachlorobenzene	120 ug/mL
							Pentachloroethane	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenacetin	120 ug/mL
							Safrole, Total	120 ug/mL
							1,4-Dinitrobenzene	120 ug/mL
							1,4-Naphthoquinone	120 ug/mL
							alpha,alpha-Dimethyl phenethylamine	120 ug/mL
							Chlorobenzilate	120 ug/mL
							Dibenz[a,j]acridine	120 ug/mL
							Isodrin	120 ug/mL
							Pronamide	120 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethylphenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylenediamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Saffrole, Total	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Saffrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-160_00019	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	400 uL	Dimethoate	160 ug/mL
							Disulfoton	160 ug/mL
							Ethyl Parathion	160 ug/mL
							Methyl parathion	160 ug/mL
							o,o',o''-Triethylphosphorothioate	160 ug/mL
							Phorate	160 ug/mL
							Sulfotepp	160 ug/mL
							Thionazin	160 ug/mL
							1-Chloronaphthalene	160 ug/mL
							1,1'-Biphenyl	160 ug/mL
							p-Phenylenediamine	160 ug/mL
							3,3'-Dimethylbenzidine	160 ug/mL
							1,2,4,5-Tetrachlorobenzene	160 ug/mL
							1,3,5-Trinitrobenzene	160 ug/mL
							1,3-Dinitrobenzene	160 ug/mL
							1-Naphthylamine	160 ug/mL
							2,3,4,6-Tetrachlorophenol	160 ug/mL
							2,6-Dichlorophenol	160 ug/mL
							2-Acetylaminofluorene	160 ug/mL
							2-Naphthylamine	160 ug/mL
							2-Picoline	160 ug/mL
							2-Toluidine	160 ug/mL
							3-Methylcholanthrene	160 ug/mL
							4-Aminobiphenyl	160 ug/mL
							4-Nitroquinoline-1-oxide	160 ug/mL
							7,12-Dimethylbenz(a)anthracene	160 ug/mL
							Dinoseb	160 ug/mL
							Diphenylamine	160 ug/mL
							Ethyl methanesulfonate	160 ug/mL
							Hexachloropropene	160 ug/mL
							Methapyrilene	160 ug/mL
							Methyl methanesulfonate	160 ug/mL
							N-Nitroso-o-toluidine	160 ug/mL
							N-Nitrosodi-n-butylamine	160 ug/mL
							N-Nitrosodiethylamine	160 ug/mL
							N-Nitrosomethylethylamine	160 ug/mL
							N-Nitrosomorpholine	160 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	160 ug/mL
							N-Nitrosopyrrolidine	160 ug/mL
							p-Dimethylamino azobenzene	160 ug/mL
							Pentachlorobenzene	160 ug/mL
							Pentachloroethane	160 ug/mL
							Pentachloronitrobenzene	160 ug/mL
							Phenacetin	160 ug/mL
							Safrole, Total	160 ug/mL
							1,4-Dinitrobenzene	160 ug/mL
							1,4-Naphthoquinone	160 ug/mL
							alpha,alpha-Dimethyl phenethylamine	160 ug/mL
							Chlorobenzilate	160 ug/mL
							Dibenz[a,j]acridine	160 ug/mL
							Isodrin	160 ug/mL
							Pronamide	160 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethyl phosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethylphenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylenediamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Saffrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Saffrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-200_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	500 uL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethyl phosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Dimethylaminoazobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethylphenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48159_00011	1 mL	1-Chloronaphthalene	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylenediamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethylphenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Dibenz[a,j]acridine	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48159_00011	03/31/14		Supelco, Lot LB83486		(Purchased Reagent)		1-Chloronaphthalene	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylenediamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Dibenz[a,j]acridine	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9080CCAL_00024	11/30/12	05/03/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-AP9CAL STK_00012	200 uL	Dimethoate	80 ug/mL
							Ethyl Parathion	80 ug/mL
							Methyl parathion	80 ug/mL
							Sulfotepp	80 ug/mL
							Thionazin	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2-Acetylaminofluorene	80 ug/mL
							2-Picoline	80 ug/mL
							Dinoseb	80 ug/mL
							Diphenylamine	80 ug/mL
							Ethyl methanesulfonate	80 ug/mL
							Hexachloropropene	80 ug/mL
							Isosafrole	80 ug/mL
							Methapyrilene	80 ug/mL
							Methyl methanesulfonate	80 ug/mL
							N-Nitrosomethylethylamine	80 ug/mL
							N-Nitrosopiperidine	80 ug/mL
							N-Nitrosopyrrolidine	80 ug/mL
							Pentachloroethane	80 ug/mL
							Phenacetin	80 ug/mL
							Safrole, Total	80 ug/mL
							p-Phenylene diamine	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1,4-Naphthoquinone	80 ug/mL
							alpha,alpha-Dimethylphenethylamine	80 ug/mL
							Diallate	80 ug/mL
							Isodrin	80 ug/mL
.MS-AP9CAL STK_00012	11/30/12	04/26/12	Methylene Chloride, Lot K41S03	10 mL	MS-46704-U_00010	1 mL	Dimethoate	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-506567_00017	1 mL	1,3-Dinitrobenzene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Picoline	200 ug/mL
							Dinoseb	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isosafrole	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							Pentachloroethane	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00018	1 mL	1,3-Dinitrobenzene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Picoline	200 ug/mL
							Dinoseb	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isosafrole	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							Pentachloroethane	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-5S01069_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-861141_00010	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethylphenethylamine	200 ug/mL
							Diallate	200 ug/mL
							Isodrin	200 ug/mL
..MS-46704-U_00010	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-506567_00017	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,3-Dinitrobenzene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Picoline	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	1000 ug/mL
							Isosafrole	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00018	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,3-Dinitrobenzene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Picoline	1000 ug/mL
							Dinoseb	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isosafrole	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-5S01069_00001	12/31/12		Supelco, Lot LB73809		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-861141_00010	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethylphenethylamine	2000 ug/mL
							Diallate	2000 ug/mL
							Isodrin	2000 ug/mL
MS-AP9SSV1_00023	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9SSV1STK_00007	250 uL	1,4-Dinitrobenzene	100 ug/mL
							Diphenylamine	100 ug/mL
							Methyl methanesulfonate	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							Diallate	100 ug/mL
							Dimethoate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl Parathion	100 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl parathion	100 ug/mL
							Thionazin	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Naphthoquinone	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Methapyrilene	100 ug/mL
.MS-AP9SSV1STK_00007	06/30/12	04/11/12	Methylene Chloride, Lot K41S03	10 mL	MS-565836_00001	1 mL	1,4-Dinitrobenzene	200 ug/mL
							Diphenylamine	200 ug/mL
					MS-M8270-01_00010	1 mL	Methyl methanesulfonate	200 ug/mL
					MS-M8270-02_00010	1 mL	2,6-Dichlorophenol	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
					MS-M8270-03_00010	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							Pentachlorobenzene	200 ug/mL
					MS-M8270-04A_00010	1 mL	4-Aminobiphenyl	200 ug/mL
					MS-M8270-07_00011	1 mL	Diallate	200 ug/mL
							Dimethoate	200 ug/mL
							Dinoseb	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							Thionazin	200 ug/mL
					MS-M8270-08_00010	1 mL	4-Nitroquinoline-1-oxide	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
					MS-M8270-09_00010	1 mL	1,3-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methapyrilene	200 ug/mL
..MS-565836_00001	06/30/12	Restek, Lot A078659			(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							Diphenylamine	2000 ug/mL
..MS-M8270-01_00010	12/28/13	AccuStandard, Lot 210041115-01			(Purchased Reagent)		Methyl methanesulfonate	2000 ug/mL
..MS-M8270-02_00010	04/08/13	AccuStandard, Lot 211041086			(Purchased Reagent)		2,6-Dichlorophenol	2000 ug/mL
							N-Nitrosodi-n-butylamine	2000 ug/mL
							N-Nitrosopiperidine	2000 ug/mL
..MS-M8270-03_00010	10/12/13	AccuStandard, Lot 210031389-02			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							Pentachlorobenzene	2000 ug/mL
..MS-M8270-04A_00010	04/11/13	AccuStandard, Lot 211041082			(Purchased Reagent)		4-Aminobiphenyl	2000 ug/mL
..MS-M8270-07_00011	08/21/12	AccuStandard, Lot 211101291-01			(Purchased Reagent)		Diallate	2000 ug/mL
							Dimethoate	2000 ug/mL
							Dinoseb	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thionazin	2000 ug/mL
..MS-M8270-08_00010	01/31/13	AccuStandard, Lot 2120113678			(Purchased Reagent)		4-Nitroquinoline-1-oxide	2000 ug/mL
							N-Nitro-o-toluidine	2000 ug/mL
							N-Nitrosopyrrolidine	2000 ug/mL
..MS-M8270-09_00010	01/20/13	AccuStandard, Lot 212011237			(Purchased Reagent)		1,3-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							Hexachloropropene	2000 ug/mL
							Isodrin	2000 ug/mL
							Methapyrilene	2000 ug/mL
MS-AP9SSV2_00019	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9SSV2STK_00005	250 uL	alpha,alpha-Dimethylphenethylamine	100 ug/mL
							1,3,5-Trinitrobenzene	100 ug/mL
							Aramite, Total	100 ug/mL
							Pronamide	100 ug/mL
							Phorate	100 ug/mL
.MS-AP9SSV2STK_00005	06/30/12	12/30/11	Methylene Chloride, Lot K29S03	10 mL	MS-31625_00003	1 mL	alpha,alpha-Dimethylphenethylamine	200 ug/mL
					MS-31806_00008	1 mL	1,3,5-Trinitrobenzene	200 ug/mL
							Aramite, Total	200 ug/mL
							Pronamide	200 ug/mL
					MS-31806_00009	1 mL	1,3,5-Trinitrobenzene	200 ug/mL
							Aramite, Total	200 ug/mL
							Pronamide	200 ug/mL
					MS-US-119_00006	1 mL	Phorate	200 ug/mL
..MS-31625_00003	06/30/12	Restek, Lot A075246			(Purchased Reagent)		alpha,alpha-Dimethylphenethylamine	2000 ug/mL
..MS-31806_00008	03/31/13	Restek, Lot A083869			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							Aramite, Total	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-31806_00009	03/31/13	Restek, Lot A083869			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							Aramite, Total	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-US-119_00006	02/28/13	Ultra Scientific, Lot CG-0230			(Purchased Reagent)		Phorate	2000 ug/mL
MS-BENZSSV100_00015	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-BENZSSVSTK_00005	250 uL	3,3'-Dichlorobenzidine	100 ug/mL
							Benzidine	100 ug/mL
.MS-BENZSSVSTK_00005	10/13/12	10/13/11	Methylene Chloride, Lot K07S03	10 mL	MS-48467_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
..MS-48467_00012	09/30/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
MS-FAMSSV_100_00003	05/31/12	06/24/11	Methylene Chloride, Lot K01S10	0.8 mL	MS-48379_00001	400 uL	Famphur	100 ug/mL
.MS-48379_00001	05/31/12	Supelco, Lot LB67579			(Purchased Reagent)		Famphur	200 ug/mL
MS-HSL004_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	10 uL	2,4,6 - Tribromophenol	6 ug/mL
							2,4,6-Tribromophenol	6 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol	6 ug/mL
							Nitrobenzene-d5	4 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5	6 ug/mL
							Terphenyl-d14	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							bis (2-chloroisopropyl) ether	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							1,4-Dioxane	4 ug/mL
							Benzoic acid	4 ug/mL
							2,3-Dichlorobenzenamine	4 ug/mL
							Acetophenone	4 ug/mL
							Alachlor	4 ug/mL
							Atrazine	4 ug/mL
							Caprolactam	4 ug/mL
							Famphur	4 ug/mL
							Hexadecane	4 ug/mL
							Indene	4 ug/mL
							n-Decane	4 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL010_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL_STK_00015	25 uL	2,4,6 - Tribromophenol	15 ug/mL
							2,4,6-Tribromophenol	15 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol	15 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Phenol-d5	15 ug/mL
							Terphenyl-d14	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							1,4-Dioxane	10 ug/mL
							Benzoic acid	10 ug/mL
							2,3-Dichlorobenzenamine	10 ug/mL
							Acetophenone	10 ug/mL
							Alachlor	10 ug/mL
							Atrazine	10 ug/mL
							Caprolactam	10 ug/mL
							Famphur	10 ug/mL
							Hexadecane	10 ug/mL
							Indene	10 ug/mL
							n-Decane	10 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL020_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	50 uL	2,4,6 - Tribromophenol	30 ug/mL
							2,4,6-Tribromophenol	30 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol	30 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Phenol-d5	30 ug/mL
							Terphenyl-d14	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							1,4-Dioxane	20 ug/mL
							Benzoic acid	20 ug/mL
							2,3-Dichlorobenzenamine	20 ug/mL
							Acetophenone	20 ug/mL
							Alachlor	20 ug/mL
							Atrazine	20 ug/mL
							Caprolactam	20 ug/mL
							Famphur	20 ug/mL
							Hexadecane	20 ug/mL
							Indene	20 ug/mL
							n-Decane	20 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL050_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL_STK_00015	125 uL	2,4,6-Tribromophenol	75 ug/mL
							2,4,6-Tribromophenol	75 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol	75 ug/mL
							Nitrobenzene-d5	50 ug/mL
							Phenol-d5	75 ug/mL
							Terphenyl-d14	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							bis (2-chloroisopropyl) ether	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							1,4-Dioxane	50 ug/mL
							Benzoic acid	50 ug/mL
							2,3-Dichlorobenzenamine	50 ug/mL
							Acetophenone	50 ug/mL
							Alachlor	50 ug/mL
							Atrazine	50 ug/mL
							Caprolactam	50 ug/mL
							Famphur	50 ug/mL
							Hexadecane	50 ug/mL
							Indene	50 ug/mL
							n-Decane	50 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL080_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	200 uL	2,4,6 - Tribromophenol	120 ug/mL
							2,4,6-Tribromophenol	120 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol	120 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Phenol-d5	120 ug/mL
							Terphenyl-d14	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							1,4-Dioxane	80 ug/mL
							Benzoic acid	80 ug/mL
							2,3-Dichlorobenzenamine	80 ug/mL
							Acetophenone	80 ug/mL
							Alachlor	80 ug/mL
							Atrazine	80 ug/mL
							Caprolactam	80 ug/mL
							Famphur	80 ug/mL
							Hexadecane	80 ug/mL
							Indene	80 ug/mL
							n-Decane	80 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL120_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	300 uL	2,4,6 - Tribromophenol	180 ug/mL
							2,4,6-Tribromophenol	180 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol	180 ug/mL
							Nitrobenzene-d5	120 ug/mL
							Phenol-d5	180 ug/mL
							Terphenyl-d14	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	120 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	120 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							bis (2-chloroisopropyl) ether	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	120 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							1,4-Dioxane	120 ug/mL
							Benzoic acid	120 ug/mL
							2,3-Dichlorobenzenamine	120 ug/mL
							Acetophenone	120 ug/mL
							Alachlor	120 ug/mL
							Atrazine	120 ug/mL
							Caprolactam	120 ug/mL
							Famphur	120 ug/mL
							Hexadecane	120 ug/mL
							Indene	120 ug/mL
							n-Decane	120 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL160_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	400 uL	2,4,6 - Tribromophenol	240 ug/mL
							2,4,6-Tribromophenol	240 ug/mL
							2-Fluorobiphenyl	160 ug/mL
							2-Fluorophenol	240 ug/mL
							Nitrobenzene-d5	160 ug/mL
							Phenol-d5	240 ug/mL
							Terphenyl-d14	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Benzidine	160 ug/mL
							1,2,4-Trichlorobenzene	160 ug/mL
							1,2-Dichlorobenzene	160 ug/mL
							1,2-Diphenylhydrazine	161.756 ug/mL
							1,3-Dichlorobenzene	160 ug/mL
							1,4-Dichlorobenzene	160 ug/mL
							1-Methylnaphthalene	160 ug/mL
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Azobenzene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							bis (2-chloroisopropyl) ether	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL
							Fluorene	160 ug/mL
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							1,4-Dioxane	160 ug/mL
							Benzoic acid	160 ug/mL
							2,3-Dichlorobenzenamine	160 ug/mL
							Acetophenone	160 ug/mL
							Alachlor	160 ug/mL
							Atrazine	160 ug/mL
							Caprolactam	160 ug/mL
							Famphur	160 ug/mL
							Hexadecane	160 ug/mL
							Indene	160 ug/mL
							n-Decane	160 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL200_00018	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	500 uL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							1,4-Dioxane	200 ug/mL
							Benzoic acid	200 ug/mL
							2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
					MS-IS_00004	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6 - Tribromophenol	300 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00020	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	2,3-Dichlorobenzenamine	200 ug/mL
							Acetophenone	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00020	09/30/18		Restek, Lot A084040		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		2,3-Dichlorobenzenamine	2000 ug/mL
							Acetophenone	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
.MS-IS_00004	05/01/13	05/01/12	Methylene Chloride, Lot K41S03	375 mL	MS-46866-U_00008	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00008	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLCCV080_00042	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLCAL STK_00015	200 uL	2,4,6-Tribromophenol	120 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol	120 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Phenol-d5	120 ug/mL
							Terphenyl-d14	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenol	80 ug/mL
							Pyridine	80 ug/mL
							Benzoic acid	80 ug/mL
							Alachlor	80 ug/mL
							Atrazine	80 ug/mL
							Caprolactam	80 ug/mL
							Famphur	80 ug/mL
							Hexadecane	80 ug/mL
							Indene	80 ug/mL
							n-Decane	80 ug/mL
.MS-HSLCAL STK_00015	01/31/13	05/02/12	Methylene Chloride, Lot K51S02	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-31834_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-31850_00024	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenol	200 ug/mL
							Pyridine	200 ug/mL
					MS-31879_00019	1 mL	Benzoic acid	200 ug/mL
					MS-566397_00001	1 mL	Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
							Hexadecane	200 ug/mL
							Indene	200 ug/mL
							n-Decane	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-31834_00013	11/30/19		Restek, Lot A084461		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00024	08/31/13		Restek, Lot A085717		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenol	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31879_00019	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
							Hexadecane	2000 ug/mL
							Indene	2000 ug/mL
							n-Decane	2000 ug/mL
MS-HSLSSV080_00031	12/31/12	05/02/12	Methylene Chloride, Lot K51S02	0.5 mL	MS-HSLSSV STK_00009	200 uL	1,4-Dioxane	80 ug/mL
							2,3-Dichlorobenzenamine	80 ug/mL
							Alachlor	80 ug/mL
							Atrazine	80 ug/mL
							Caprolactam	80 ug/mL
							n-Decane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Aniline	80 ug/mL
							Benzoic acid	80 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	80 ug/mL
							Pyridine	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Terphenyl-d14	80 ug/mL
							2,4,6-Tribromophenol	120 ug/mL
							2-Fluorophenol	120 ug/mL
							Phenol-d5	120 ug/mL
.MS-HSLSSV STK_00009	12/31/12	03/15/12	Methylene Chloride, Lot K41S03	10 mL	MS-21495919_00001	1 mL	1,4-Dioxane	200 ug/mL
							2,3-Dichlorobenzenamine	200 ug/mL
							Alachlor	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							n-Decane	200 ug/mL
					MS-48162_00006	1 mL	1-Methylnaphthalene	200 ug/mL
					MS-506508_00008	2 mL	1,2-Diphenylhydrazine	202.195 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							bis (2-chloroisopropyl) ether	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
					MS-861148_00005	1 mL	Aniline	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Pyridine	200 ug/mL
					MS-ISM-280N_00003	2 mL	2-Fluorobiphenyl	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-ISM-290N_00004	1.5 mL	2,4,6-Tribromophenol	300 ug/mL
							2-Fluorophenol	300 ug/mL
							Phenol-d5	300 ug/mL
..MS-21495919_00001	03/14/14		Supelco, Lot LB90738		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alachlor	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							n-Decane	2000 ug/mL
..MS-48162_00006	10/31/13		Supelco, Lot LB79536		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
..MS-506508_00008	09/30/14		Supelco, Lot LB87087		(Purchased Reagent)		1,2-Diphenylhydrazine	1010.97 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methyl phenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-861148_00005	11/30/14		Supelco, Lot LB88725		(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..MS-ISM-280N_00003	02/28/14		Ultra, Lot CH-0184		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-ISM-290N_00004	12/31/12		Ultra, Lot CC-2529Z		(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
MS-SIM SSV_00059	06/23/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM SSV_00058	30 uL	1-Methylnaphthalene	1.2 ug/mL
							2-Methylnaphthalene	1.2 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1.2 ug/mL
							Acenaphthylene	1.2 ug/mL
							Anthracene	1.2 ug/mL
							Benzo[a]anthracene	1.2 ug/mL
							Benzo[a]pyrene	1.2 ug/mL
							Benzo[b]fluoranthene	1.2 ug/mL
							Benzo[g,h,i]perylene	1.2 ug/mL
							Benzo[k]fluoranthene	1.2 ug/mL
							Chrysene	1.2 ug/mL
							Dibenz(a,h)anthracene	1.2 ug/mL
							Fluoranthene	1.2 ug/mL
							Fluorene	1.2 ug/mL
							Indeno[1,2,3-cd]pyrene	1.2 ug/mL
							Phenanthrene	1.2 ug/mL
							Pyrene	1.2 ug/mL
							2-Fluorobiphenyl	1.2 ug/mL
							Nitrobenzene-d5	1.2 ug/mL
							Terphenyl-d14	1.2 ug/mL
.MS-SIM SSV_00058	12/31/12	03/16/12	Methylene Chloride, Lot K41S03	10 mL	MS-HSLSSV STK_00009	1 mL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..MS-HSLSSV STK_00009	12/31/12	03/15/12	Methylene Chloride, Lot K41S03	10 mL	MS-48162_00006	1 mL	1-Methylnaphthalene	200 ug/mL
					MS-506508_00008	2 mL	2-Methylnaphthalene	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
					MS-ISM-280N_00003	2 mL	2-Fluorobiphenyl	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
...MS-48162_00006	10/31/13		Supelco, Lot LB79536		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
...MS-506508_00008	09/30/14		Supelco, Lot LB87087		(Purchased Reagent)		2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
...MS-ISM-280N_00003	02/28/14		Ultra, Lot CH-0184		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
MS-SIMSL 0.02_00029	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL Int._00006	5 uL	2-Fluorobiphenyl	0.02 ug/mL
							Nitrobenzene-d5	0.02 ug/mL
							Terphenyl-d14	0.02 ug/mL
							2-Methylnaphthalene	0.04 ug/mL
							Dibenzofuran	0.02 ug/mL
							1-Methylnaphthalene	0.02 ug/mL
							Acenaphthene	0.02 ug/mL
							Acenaphthylene	0.02 ug/mL
							Anthracene	0.02 ug/mL
							Benzo[a]anthracene	0.02 ug/mL
							Benzo[a]pyrene	0.02 ug/mL
							Benzo[b]fluoranthene	0.02 ug/mL
							Benzo[g,h,i]perylene	0.02 ug/mL
							Benzo[k]fluoranthene	0.02 ug/mL
							Chrysene	0.02 ug/mL
							Dibenz(a,h)anthracene	0.02 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	0.02 ug/mL
							Fluorene	0.02 ug/mL
							Indeno[1,2,3-cd]pyrene	0.02 ug/mL
							Naphthalene	0.02 ug/mL
							Phenanthrene	0.02 ug/mL
							Pyrene	0.02 ug/mL
.MS-SIM IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL
							Phenanthrene-d10	6 ug/mL
..MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
...MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MS-SIMSL Int._00006	06/19/12	01/14/12	Methylene Chloride, Lot K10S10	10 mL	MS-SIMSL_00005	1 mL	2-Fluorobiphenyl	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Terphenyl-d14	2 ug/mL
							2-Methylnaphthalene	4 ug/mL
							Dibenzofuran	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Chrysene	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
..MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					MS-SIM SL_Stk_00004	1 mL	2-Methylnaphthalene	40 ug/mL
							Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
...MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
...MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
....MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
....MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS-SIMSL 0.1_00031	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL Int._00006	25 uL	2-Fluorobiphenyl	0.1 ug/mL
							Nitrobenzene-d5	0.1 ug/mL
							Terphenyl-d14	0.1 ug/mL
							2-Methylnaphthalene	0.2 ug/mL
							Dibenzofuran	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
.MS-SIM IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL
							Phenanthrene-d10	6 ug/mL
..MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
...MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MS-SIMSL Int._00006	06/19/12	01/14/12	Methylene Chloride, Lot K10S10	10 mL	MS-SIMSL_00005	1 mL	2-Fluorobiphenyl	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Terphenyl-d14	2 ug/mL
							2-Methylnaphthalene	4 ug/mL
							Dibenzofuran	2 ug/mL
							1-Methylnaphthalene	2 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Chrysene	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
..MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					MS-SIM SL_Stk_00004	1 mL	2-Methylnaphthalene	40 ug/mL
							Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
...MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
...MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
....MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
....MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS-SIMSL 0.3_00029	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL Int._00006	75 uL	2-Fluorobiphenyl	0.3 ug/mL
							Nitrobenzene-d5	0.3 ug/mL
							Terphenyl-d14	0.3 ug/mL
							2-Methylnaphthalene	0.6 ug/mL
							Dibenzofuran	0.3 ug/mL
							1-Methylnaphthalene	0.3 ug/mL
							Acenaphthene	0.3 ug/mL
							Acenaphthylene	0.3 ug/mL
							Anthracene	0.3 ug/mL
							Benzo[a]anthracene	0.3 ug/mL
							Benzo[a]pyrene	0.3 ug/mL
							Benzo[b]fluoranthene	0.3 ug/mL
							Benzo[g,h,i]perylene	0.3 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	0.3 ug/mL
							Chrysene	0.3 ug/mL
							Dibenz(a,h)anthracene	0.3 ug/mL
							Fluoranthene	0.3 ug/mL
							Fluorene	0.3 ug/mL
							Indeno[1,2,3-cd]pyrene	0.3 ug/mL
							Naphthalene	0.3 ug/mL
							Phenanthrene	0.3 ug/mL
							Pyrene	0.3 ug/mL
.MS-SIM IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL
							Phenanthrene-d10	6 ug/mL
..MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
...MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MS-SIMSL Int._00006	06/19/12	01/14/12	Methylene Chloride, Lot K10S10	10 mL	MS-SIMSL_00005	1 mL	2-Fluorobiphenyl	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Terphenyl-d14	2 ug/mL
							2-Methylnaphthalene	4 ug/mL
							Dibenzofuran	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Chrysene	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
..MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					MS-SIM SL_Stk_00004	1 mL	2-Methylnaphthalene	40 ug/mL
							Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
...MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
...MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
....MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
....MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS-SIMSL_0.6_00030	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM_IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL_00005	15 uL	2-Fluorobiphenyl	0.6 ug/mL
							Nitrobenzene-d5	0.6 ug/mL
							Terphenyl-d14	0.6 ug/mL
							2-Methylnaphthalene	1.2 ug/mL
							Dibenzofuran	0.6 ug/mL
							1-Methylnaphthalene	0.6 ug/mL
							Acenaphthene	0.6 ug/mL
							Acenaphthylene	0.6 ug/mL
							Anthracene	0.6 ug/mL
							Benzo[a]anthracene	0.6 ug/mL
							Benzo[a]pyrene	0.6 ug/mL
							Benzo[b]fluoranthene	0.6 ug/mL
							Benzo[g,h,i]perylene	0.6 ug/mL
							Benzo[k]fluoranthene	0.6 ug/mL
							Chrysene	0.6 ug/mL
							Dibenz(a,h)anthracene	0.6 ug/mL
							Fluoranthene	0.6 ug/mL
							Fluorene	0.6 ug/mL
							Indeno[1,2,3-cd]pyrene	0.6 ug/mL
							Naphthalene	0.6 ug/mL
							Phenanthrene	0.6 ug/mL
							Pyrene	0.6 ug/mL
. MS-SIM_IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL
							Phenanthrene-d10	6 ug/mL
. . MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
. . . MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
. MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-SIM SL_Stk_00004	1 mL	2-Methylnaphthalene	40 ug/mL
							Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
. . MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
. . MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
. . . MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
. . . MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS-SIMSL_1.2_00030	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM_IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL_00005	30 uL	2-Fluorobiphenyl	1.2 ug/mL
							Nitrobenzene-d5	1.2 ug/mL
							Terphenyl-d14	1.2 ug/mL
							Dibenzofuran	1.2 ug/mL
							1-Methylnaphthalene	1.2 ug/mL
							2-Methylnaphthalene	2.4 ug/mL
							Acenaphthene	1.2 ug/mL
							Acenaphthylene	1.2 ug/mL
							Anthracene	1.2 ug/mL
							Benzo[a]anthracene	1.2 ug/mL
							Benzo[a]pyrene	1.2 ug/mL
							Benzo[b]fluoranthene	1.2 ug/mL
							Benzo[g,h,i]perylene	1.2 ug/mL
							Benzo[k]fluoranthene	1.2 ug/mL
							Chrysene	1.2 ug/mL
							Dibenz(a,h)anthracene	1.2 ug/mL
							Fluoranthene	1.2 ug/mL
							Fluorene	1.2 ug/mL
							Indeno[1,2,3-cd]pyrene	1.2 ug/mL
							Naphthalene	1.2 ug/mL
							Phenanthrene	1.2 ug/mL
							Pyrene	1.2 ug/mL
.MS-SIM_IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL
							Phenanthrene-d10	6 ug/mL
..MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
...MS-46866-U_00007	02/28/14	Supelco, Lot LB82352			(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
. MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					MS-SIM SL_Stk_00004	1 mL	Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
.. MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
.. MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
... MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
... MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS-SIMSL_2.5_00029	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM_IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL_00005	62.5 uL	2-Fluorobiphenyl	2.5 ug/mL
							Nitrobenzene-d5	2.5 ug/mL
							Terphenyl-d14	2.5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Dibenzofuran	2.5 ug/mL
							1-Methylnaphthalene	2.5 ug/mL
							Acenaphthene	2.5 ug/mL
							Acenaphthylene	2.5 ug/mL
							Anthracene	2.5 ug/mL
							Benzo[a]anthracene	2.5 ug/mL
							Benzo[a]pyrene	2.5 ug/mL
							Benzo[b]fluoranthene	2.5 ug/mL
							Benzo[g,h,i]perylene	2.5 ug/mL
							Benzo[k]fluoranthene	2.5 ug/mL
							Chrysene	2.5 ug/mL
							Dibenz(a,h)anthracene	2.5 ug/mL
							Fluoranthene	2.5 ug/mL
							Fluorene	2.5 ug/mL
							Indeno[1,2,3-cd]pyrene	2.5 ug/mL
							Naphthalene	2.5 ug/mL
							Phenanthrene	2.5 ug/mL
							Pyrene	2.5 ug/mL
.MS-SIM_IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL
							Phenanthrene-d10	6 ug/mL
..MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
...MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					MS-SIM SL_Stk_00004	1 mL	2-Methylnaphthalene	40 ug/mL
							Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
..MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	200 ug/mL
...MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
...MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS-SIMSL_5_00031	06/19/12	03/16/12	Methylene Chloride, Lot K41S03	500 uL	MS-SIM_IS_00015	50 uL	Acenaphthene-d10	0.6 ug/mL
							Chrysene-d12	0.6 ug/mL
							Phenanthrene-d10	0.6 ug/mL
					MS-SIMSL_00005	125 uL	2-Fluorobiphenyl	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							Terphenyl-d14	5 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Dibenzofuran	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Anthracene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Chrysene	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
.MS-SIM_IS_00015	06/22/12	03/16/12	Methylene Chloride, Lot K41S03	100 mL	MS-IS_00003	1500 uL	Acenaphthene-d10	6 ug/mL
							Chrysene-d12	6 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	6 ug/mL
..MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
...MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MS-SIMSL_00005	06/19/12	01/14/12	Methylene Chloride, Lot K01S10	10 mL	MS-48925_00007	0.2 mL	2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					MS-SIM SL_Stk_00004	1 mL	2-Methylnaphthalene	40 ug/mL
							Dibenzofuran	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
..MS-48925_00007	04/30/14		Supelco, Lot LB83965		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..MS-SIM SL_Stk_00004	06/19/12	06/20/11	Methylene Chloride, Lot K01S10	10 mL	MS-31010_00004	1 mL	2-Methylnaphthalene	400 ug/mL
							Dibenzofuran	200 ug/mL
					MS-31622_00004	1 mL	1-Methylnaphthalene	200 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Chrysene	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Naphthalene	200 ug/mL
							Phenanthrene	200 ug/mL
							Pyrene	200 ug/mL
...MS-31010_00004	06/19/12		Restek, Lot A067480		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Dibenzofuran	2000 ug/mL
...MS-31622_00004	06/19/12		Restek, Lot A078480		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
MS77 Sn/Zncri_00002	05/02/12	05/01/12	2%HNO3/0.5%HCl, Lot I02030/k50038	50 mL	MS Sn/Zn Mix_00007	0.5 mL	Zinc	0.01 mg/L
.MS Sn/Zn Mix_00007	03/28/13	03/28/12	5% HNO3, Lot L02030	50 mL	1000 Zn_00005	0.05 mL	Zinc	1 mg/L
..1000 Zn_00005	04/01/13		Inorganic Ventures, Lot F2-ZN02075		(Purchased Reagent)		Zinc	1000 mg/L
MV-2 Cleve_00009	04/30/12	09/14/11	P&T Methanol, Lot DD946	10 mL	MV-861206_00012	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-861206_00012	06/30/12		Supelco, Lot LB68013		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-5s06052_00010	200 uL	Iodomethane	40 ug/mL
					MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							p-Isopropyltoluene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
. MV-5s06052_00010	09/30/12		Supelco, Lot LB85735		(Purchased Reagent)		Iodomethane	2000 ug/mL
. MV-DWM589N_00041	12/31/13		Ultra Scientific, Lot CG-3928		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
. MV-STS440_00035	01/31/15		Ultra, Lot cc-4444		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-524B_00012	07/25/12	02/14/12	P&T Methanol, Lot dd946	10 mL	MV-1-Ch Hex_00008	10.25 uL	1-Chlorohexane	40.1398 ug/mL
					MV-502111_00023	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,3-Dichloropropene, Total	80 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							p-Isopropyltoluene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Trihalomethanes, Total	160 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylenes, Total	120 ug/mL
					MV-506052_00024	200 uL	Iodomethane	40 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00023	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,3-Dichloropropene, Total	4000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Trihalomethanes, Total	8000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00024	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
MV-624 A_00017	06/14/12	04/24/12	Methanol, Lot DF369	10 mL	MV-30218_00013	200 uL	Carbon disulfide	40 ug/mL
					MV-30470_00006	160 uL	tert-Butyl alcohol	800 ug/mL
.MV-30218_00013	08/30/16		Restek, Lot A083318		(Purchased Reagent)		Carbon disulfide	2000 ug/mL
.MV-30470_00006	01/31/14		RESTEK, Lot A078933		(Purchased Reagent)		tert-Butyl alcohol	50000 ug/mL
MV-Acrol/Acry_00022	05/31/12	03/19/12	P&T Methanol, Lot DE997	5 mL	MV-30246_00021	1000 uL	Acrylonitrile	400 ug/mL
					MV-30645_00028	400 uL	Acrolein	400 ug/mL
.MV-30246_00021	02/28/13		Restek, Lot A078774		(Purchased Reagent)		Acrylonitrile	2000 ug/mL
.MV-30645_00028	05/31/12		Restek, Lot A086812		(Purchased Reagent)		Acrolein	5000 ug/mL
MV-Archon IS_00497	10/02/12		Supelco, Lot LB88967		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00616	10/02/12		Restek, Lot A081609		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-F114_00002	02/24/13	02/24/12	P&T Methanol, Lot DE997	10 mL	MV-30476_00002	200 uL	1,2-Dichloro-1,1,2,2-tetrafluoroethane	40 ug/mL
.MV-30476_00002	01/31/18		RESTEK, Lot A082052		(Purchased Reagent)		1,2-Dichloro-1,1,2,2-tetrafluoroethane	2000 ug/mL
MV-Main GasKe_00027	06/22/12	03/09/12	P&T Methanol, Lot de997	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00031	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00056	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00057	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12		Supelco, Lot LB85669v		(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00031	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00056	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00057	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,3-Dichloropropene, Total	80 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							p-Isopropyltoluene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Trihalomethanes, Total	160 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00025	200 uL	Iodomethane	40 ug/mL
					MV-861145_00020	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Diisopropyl ether	200 ug/mL
							Ethanol	2000 ug/mL
							Isobutanol	800 ug/mL
							Methacrylonitrile	400 ug/mL
							n-Butanol	1200 ug/mL
							Propionitrile	400 ug/mL
							tert-Butyl alcohol	800 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Diisopropyl ether	200 ug/mL
							Ethanol	2000 ug/mL
							Isobutanol	800 ug/mL
							Methacrylonitrile	400 ug/mL
							n-Butanol	1200 ug/mL
							Propionitrile	400 ug/mL
							tert-Butyl alcohol	800 ug/mL
. MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
. . MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,3-Dichloropropene, Total	4000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Trihalomethanes, Total	8000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00025	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00020	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Diisopropyl ether	2000 ug/mL
							Ethanol	20000 ug/mL
							Isobutanol	8000 ug/mL
							Methacrylonitrile	4000 ug/mL
							n-Butanol	12000 ug/mL
							Propionitrile	4000 ug/mL
							tert-Butyl alcohol	8000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Diisopropyl ether	2000 ug/mL
							Ethanol	20000 ug/mL
							Isobutanol	8000 ug/mL
							Methacrylonitrile	4000 ug/mL
							n-Butanol	12000 ug/mL
							Propionitrile	4000 ug/mL
							tert-Butyl alcohol	8000 ug/mL
MV-SecSrc B_00006	04/12/12	04/06/12	P&T Methanol, Lot df233	5 mL	MV-30238_00005	40 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-8240CR310x_00010	100 uL	1,4-Dioxane	800 ug/mL
							Ethanol	800 ug/mL
							Isobutanol	800 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-30238_00005	02/28/15		Restek, Lot A069322		(Purchased Reagent)		2-Chloro-1,3-butadiene	5000 ug/mL
.MV-8240CR310x_00010	04/22/12		AccuStandard, Lot 210041266		(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
							Ethanol	40000 ug/mL
							Isobutanol	40000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Propionitrile	20000 ug/mL
MV-SecSrc C_00015	09/01/12	03/01/12	Methanol, Lot df233	5 mL	MV-30465_00010	500 uL	Diisopropyl ether	200 ug/mL
							tert-Butyl alcohol	1000 ug/mL
					MV-30474_00008	120 uL	n-Butanol	1200 ug/mL
					MV-APP900510x_00011	1 mL	Acetonitrile	200 ug/mL
.MV-30465_00010	01/31/16		Restek, Lot A079437		(Purchased Reagent)		Diisopropyl ether	2000 ug/mL
							tert-Butyl alcohol	10000 ug/mL
.MV-30474_00008	06/30/13		Restek, Lot A061405		(Purchased Reagent)		n-Butanol	50000 ug/mL
.MV-APP900510x_00011	08/04/20		Accustandard, Lot 210081059		(Purchased Reagent)		Acetonitrile	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MV-SS 2-Cleve_00006	10/02/12	04/02/12	P&T Methanol, Lot DE407	10 mL	MV-30265_00020	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
. MV-30265_00020	07/31/16		RESTEK, Lot A083143		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-SS GasKe_00019	08/21/12	02/21/12	P&T Methanol, Lot De997	10 mL	MV-30006_00032	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-565389_00013	500 uL	Cyclohexanone	1000 ug/mL
					MV-5s06036_00011	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
. MV-30006_00032	04/30/14		Restek, Lot A079446		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
. MV-565389_00013	03/31/14		RESTEK, Lot A087142		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
. MV-5s06036_00011	09/13/13		Supelco, Lot LB79584		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
					MV-564149_00012	500 uL	Ethylene oxide	5000 ug/mL
					MV-564150_00011	100 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,2,3-Trimethylbenzene	40 ug/mL
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	40 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	40 ug/mL
							2-Pentanone	160 ug/mL
							Allyl chloride	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Ethyl tert-butyl ether	200 ug/mL
							Hexane	40 ug/mL
							Isopropanol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							Tetrahydrothiophene	40 ug/mL
					MV-565364_00009	1000 uL	Propene oxide	2000 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-564149_00012	05/20/12		RESTEK, Lot A081651		(Purchased Reagent)		Ethylene oxide	50000 ug/mL
.MV-564150_00011	05/30/12		RESTEK, Lot A081643		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,2,3-Trimethylbenzene	2000 ug/mL
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							Allyl chloride	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Ethyl tert-butyl ether	10000 ug/mL
							Hexane	2000 ug/mL
							Isopropanol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Tetrahydrothiophene	2000 ug/mL
.MV-565364_00009	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
MV-Supp Std_00022	08/31/12	04/02/12	P&T Methanol, Lot de997	10 mL	MV-21322197_00016	1000 uL	Propene oxide	2000 ug/mL
					MV-21322197_00017	1000 uL	Propene oxide	2000 ug/mL
					MV-21455932_00004	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,2,3-Trimethylbenzene	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							Allyl chloride	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl acetate	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Ethyl tert-butyl ether	200 ug/mL
							Hexane	40 ug/mL
							Isopropanol	800 ug/mL
							Methyl acetate	200 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							Tetrahydrothiophene	40 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
							Vinyl acetate	80 ug/mL
					MV-2butanol_00004	268 uL	sec-Butyl Alcohol	1199.97 ug/mL
					MV-48838_00020	1000 uL	Ethylene oxide	5000 ug/mL
					MV-S-635-1S_00019	200 uL	1,2-Dichloro-1,1,2-trifluoroethane	40 ug/mL
.MV-21322197_00016	12/31/12		Supelco, Lot LB89657		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-21322197_00017	12/31/12		Supelco, Lot LB89657		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-21455932_00004	10/31/12		Supelco, Lot LB88346		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,2,3-Trimethylbenzene	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							Allyl chloride	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Ethyl tert-butyl ether	10000 ug/mL
							Hexane	2000 ug/mL
							Isopropanol	40000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Tetrahydrothiophene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-2butanol_00004	10/02/12	04/02/12	P&T Methanol, Lot de997	5 mL	MV-294810_00001	0.225 g	sec-Butyl Alcohol	44775 ug/mL
..MV-294810_00001	04/30/13		Supelco, Lot 50296kkv		(Purchased Reagent)		sec-Butyl Alcohol	0.995 mL/mL
.MV-48838_00020	08/31/12		Supelco, Lot LB87118		(Purchased Reagent)		Ethylene oxide	50000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-S-635-1S_00019	01/31/21	Accustandard, Lot 211011226			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
NXN CAL INT_00141	05/16/12	05/09/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00013	10 mg/L	Ammonia	100 mg/L
					NOXT Cal STD_00008	10 mg/L	Nitrate Nitrite as N	100 mg/L
.NH3 CAL STD_00013	02/28/13	Ricca, Lot 1108313			(Purchased Reagent)		Ammonia	1000 mg/L
.NOXT Cal STD_00008	11/30/12	RICCA, Lot 1105365			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L
NXN ICV INT_00137	05/16/12	05/09/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00010	10 mg/L	Ammonia	100 mg/L
					NOXT ICV STD_00008	10 mg/L	Nitrate Nitrite as N	100 mg/L
.NH3 ICV STD_00010	06/24/13	LAB CHEM, Lot A174-20			(Purchased Reagent)		Ammonia	1000 mg/L
.NOXT ICV STD_00008	08/03/13	LAB CHEM, Lot A214-09			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L
RSK175-GasMix_00006	04/11/12	Scott, Lot 009804L			(Purchased Reagent)		Acetylene	10620 ug/L
							Ethane	12330 ug/L
							Ethylene	11430 ug/L
							Methane	6570 ug/L
RSK175-GasMix_00008	11/21/12	Scott, Lot 029303L			(Purchased Reagent)		Ethane	12330 ug/L
							Ethylene	11430 ug/L
							Methane	6570 ug/L
RSK175_2ndMix_00001	01/05/13	Matheson Tri-Gas, Inc., Lot 109-16-04530			(Purchased Reagent)		Ethane	12330 ug/L
							Ethylene	11490 ug/L
							Methane	6590 ug/L
RSK175methane_00001	07/13/12	Supelco Analytical, Lot 017308L			(Purchased Reagent)		Methane	650500 ug/L
TDS LCS_00259	07/26/12	04/26/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5009 g	Total Dissolved Solids	500.9 mg/L
.NaCl f_00004	04/14/21	JT Baker, Lot J48622			(Purchased Reagent)		Total Dissolved Solids	1 g/g
TIC CAL Std_00004	02/22/13	02/22/12	Di Water, Lot na	1000 mL	Sod Bicarb_00001	3.5 g	Dissolved Inorganic Carbon - Quad	999.909 mg/L
							Dissolved Inorganic Carbon Result 1	999.909 mg/L
							Dissolved Inorganic Carbon Result 2	999.909 mg/L
							Dissolved Inorganic Carbon Result 3	999.909 mg/L
							Dissolved Inorganic Carbon Result 4	999.909 mg/L
							Total Inorganic Carbon - Quad	999.909 mg/L
							Total Inorganic Carbon Res 1	999.909 mg/L
							Total Inorganic Carbon Res 2	999.909 mg/L
							Total Inorganic Carbon Res 3	999.909 mg/L
							Total Inorganic Carbon Res 4	999.909 mg/L
					Sodium Carb_00001	4.41 g	Dissolved Inorganic Carbon - Quad	999.909 mg/L
							Dissolved Inorganic Carbon Result 1	999.909 mg/L
							Dissolved Inorganic Carbon Result 2	999.909 mg/L
							Dissolved Inorganic Carbon Result 3	999.909 mg/L
							Dissolved Inorganic Carbon Result 4	999.909 mg/L
							Total Inorganic Carbon - Quad	999.909 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Total Inorganic Carbon Res 1	999.909 mg/L
							Total Inorganic Carbon Res 2	999.909 mg/L
							Total Inorganic Carbon Res 3	999.909 mg/L
							Total Inorganic Carbon Res 4	999.909 mg/L
.Sod Bicarb_00001	02/05/14		JT Baker, Lot 035593		(Purchased Reagent)		Dissolved Inorganic Carbon - Quad	0.1429 g/g
							Dissolved Inorganic Carbon Result 1	0.1429 g/g
							Dissolved Inorganic Carbon Result 2	0.1429 g/g
							Dissolved Inorganic Carbon Result 3	0.1429 g/g
							Dissolved Inorganic Carbon Result 4	0.1429 g/g
							Total Inorganic Carbon - Quad	0.1429 g/g
							Total Inorganic Carbon Res 1	0.1429 g/g
							Total Inorganic Carbon Res 2	0.1429 g/g
							Total Inorganic Carbon Res 3	0.1429 g/g
							Total Inorganic Carbon Res 4	0.1429 g/g
.Sodium Carb_00001	03/22/17		Fisher, Lot 065894		(Purchased Reagent)		Dissolved Inorganic Carbon - Quad	0.113324 g/g
							Dissolved Inorganic Carbon Result 1	0.113324 g/g
							Dissolved Inorganic Carbon Result 2	0.113324 g/g
							Dissolved Inorganic Carbon Result 3	0.113324 g/g
							Dissolved Inorganic Carbon Result 4	0.113324 g/g
							Total Inorganic Carbon - Quad	0.113324 g/g
							Total Inorganic Carbon Res 1	0.113324 g/g
							Total Inorganic Carbon Res 2	0.113324 g/g
							Total Inorganic Carbon Res 3	0.113324 g/g
							Total Inorganic Carbon Res 4	0.113324 g/g
TIC ICV std_00004	02/22/13	02/22/12	Di Water, Lot na	1000 mL	Sod Bicarb_00002	3.51 g	Dissolved Inorganic Carbon - Quad	1001.34 mg/L
							Dissolved Inorganic Carbon Result 1	1001.34 mg/L
							Dissolved Inorganic Carbon Result 2	1001.34 mg/L
							Dissolved Inorganic Carbon Result 3	1001.34 mg/L
							Dissolved Inorganic Carbon Result 4	1001.34 mg/L
							Total Inorganic Carbon - Quad	1001.34 mg/L
							Total Inorganic Carbon Res 1	1001.34 mg/L
							Total Inorganic Carbon Res 2	1001.34 mg/L
							Total Inorganic Carbon Res 3	1001.34 mg/L
							Total Inorganic Carbon Res 4	1001.34 mg/L
					Sodium Carb_00001	4.41 g	Dissolved Inorganic Carbon - Quad	1001.34 mg/L

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dissolved Inorganic Carbon Result 1	1001.34 mg/L
							Dissolved Inorganic Carbon Result 2	1001.34 mg/L
							Dissolved Inorganic Carbon Result 3	1001.34 mg/L
							Dissolved Inorganic Carbon Result 4	1001.34 mg/L
							Total Inorganic Carbon - Quad	1001.34 mg/L
							Total Inorganic Carbon Res 1	1001.34 mg/L
							Total Inorganic Carbon Res 2	1001.34 mg/L
							Total Inorganic Carbon Res 3	1001.34 mg/L
							Total Inorganic Carbon Res 4	1001.34 mg/L
.Sod Bicarb_00002	02/24/13		fisher, Lot J04706		(Purchased Reagent)		Dissolved Inorganic Carbon - Quad	0.1429 g/g
							Dissolved Inorganic Carbon Result 1	0.1429 g/g
							Dissolved Inorganic Carbon Result 2	0.1429 g/g
							Dissolved Inorganic Carbon Result 3	0.1429 g/g
							Dissolved Inorganic Carbon Result 4	0.1429 g/g
							Total Inorganic Carbon - Quad	0.1429 g/g
							Total Inorganic Carbon Res 1	0.1429 g/g
							Total Inorganic Carbon Res 2	0.1429 g/g
							Total Inorganic Carbon Res 3	0.1429 g/g
							Total Inorganic Carbon Res 4	0.1429 g/g
.Sodium Carb_00001	03/22/17		Fisher, Lot 065894		(Purchased Reagent)		Dissolved Inorganic Carbon - Quad	0.113324 g/g
							Dissolved Inorganic Carbon Result 1	0.113324 g/g
							Dissolved Inorganic Carbon Result 2	0.113324 g/g
							Dissolved Inorganic Carbon Result 3	0.113324 g/g
							Dissolved Inorganic Carbon Result 4	0.113324 g/g
							Total Inorganic Carbon - Quad	0.113324 g/g
							Total Inorganic Carbon Res 1	0.113324 g/g
							Total Inorganic Carbon Res 2	0.113324 g/g
							Total Inorganic Carbon Res 3	0.113324 g/g
							Total Inorganic Carbon Res 4	0.113324 g/g
TOC ICV Std_00012	01/31/13		Ricca, Lot 1201330		(Purchased Reagent)		Dissolved Organic Carbon - Quad	1000 ppm
							DOC Result 1	1000 ppm
							DOC Result 2	1000 ppm
							DOC Result 3	1000 ppm
							DOC Result 4	1000 ppm
							TOC Result 1	1000 ppm
							TOC Result 2	1000 ppm
							TOC Result 3	1000 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							TOC Result 4	1000 ppm
							Total Organic Carbon - Average	1000 ppm
TOC LCS Std_00012	08/31/13	Ultra Scientific, Lot M00765			(Purchased Reagent)		Dissolved Organic Carbon - Quad	1000 ppm
							DOC Result 1	1000 ppm
							DOC Result 2	1000 ppm
							DOC Result 3	1000 ppm
							DOC Result 4	1000 ppm
							TOC Result 1	1000 ppm
							TOC Result 2	1000 ppm
							TOC Result 3	1000 ppm
							TOC Result 4	1000 ppm
							Total Organic Carbon - Average	1000 ppm
VOARSK17510ST_00004	02/20/13	02/20/12	di water, Lot NA	12 mL	VOARSK175STOC_00005	10 mL	Acetylene	894.423 ug/L
							Butane	1982.02 ug/L
							Ethane	1029.3 ug/L
							Ethylene	963.881 ug/L
							Methane	549.485 ug/L
							Propane	1505.63 ug/L
							Propene	1436.34 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
VOARSK17511ST_00001	08/08/12	02/20/12	di water, Lot NA	12 mL	VRSKSURRSTOCK_00002	10 mL	1,1,1-Trifluoroethane	9325.23 ug/L
.VRSKSURRSTOCK_00002	08/08/12	MATHESON, Lot JKJK			(Purchased Reagent)		1,1,1-Trifluoroethane	11190.3 ug/L
VOARSK1753STD_00006	02/20/13	02/20/12	DI Water, Lot NA	12 mL	VOARSK175STOC_00005	0.025 mL	Acetylene	2.23606 ug/L
							Butane	4.95505 ug/L
							Ethane	2.57324 ug/L
							Ethylene	2.4097 ug/L
							Methane	1.37371 ug/L
							Propane	3.76407 ug/L
							Propene	3.59085 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
VOARSK1754STD_00006	02/20/13	02/20/12	DI WATER, Lot NA	12 mL	VOARSK175STOC_00005	0.05 mL	Acetylene	4.47211 ug/L
							Butane	9.9101 ug/L
							Ethane	5.14648 ug/L
							Ethylene	4.8194 ug/L

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methane	2.74742 ug/L
							Propane	7.52815 ug/L
							Propene	7.1817 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
VOARSK1755STD_00006	01/10/13	02/20/12	DI WATER, Lot NA	12 mL	VOARSK175STOC_00005	0.125 mL	Acetylene	11.1803 ug/L
							Butane	24.7752 ug/L
							Ethane	12.8662 ug/L
							Ethylene	12.0485 ug/L
							Methane	6.86856 ug/L
							Propane	18.8204 ug/L
							Propene	17.9542 ug/L
					VRSKHESURRSTK_00001	0.125 mL	1,1,1-Trifluoroethane	89.6656 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
.VRSKHESURRSTK_00001	01/10/13	Butler Gas - Matheson, Lot 9302601081			(Purchased Reagent)		1,1,1-Trifluoroethane	8607.9 ug/L
VOARSK1756STD_00006	01/10/13	02/20/12	DI WATER, Lot NA	12 mL	VOARSK175STOC_00005	0.5 mL	Acetylene	44.7211 ug/L
							Butane	99.101 ug/L
							Ethane	51.4648 ug/L
							Ethylene	48.194 ug/L
							Methane	27.4743 ug/L
							Propane	75.2815 ug/L
							Propene	71.817 ug/L
					VRSKHESURRSTK_00001	0.5 mL	1,1,1-Trifluoroethane	358.663 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
.VRSKHESURRSTK_00001	01/10/13	Butler Gas - Matheson, Lot 9302601081			(Purchased Reagent)		1,1,1-Trifluoroethane	8607.9 ug/L
VOARSK1757STD_00007	01/10/13	02/20/12	DI WATER, Lot NA	12 mL	VOARSK175STOC_00005	1 mL	Acetylene	89.4423 ug/L
							Butane	198.202 ug/L
							Ethane	102.93 ug/L
							Ethylene	96.3881 ug/L
							Methane	54.9485 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propane	150.563 ug/L
							Propene	143.634 ug/L
					VRSKHESURRSTK_00001	1 mL	1,1,1-Trifluoroethane	717.325 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
.VRSKHESURRSTK_00001	01/10/13	Butler Gas - Matheson, Lot 9302601081			(Purchased Reagent)		1,1,1-Trifluoroethane	8607.9 ug/L
VOARSK1758STD_00007	01/10/13	02/20/12	DI WATER, Lot NA	12 mL	VOARSK175STOC_00005	2 mL	Acetylene	178.885 ug/L
							Butane	396.404 ug/L
							Ethane	205.859 ug/L
							Ethylene	192.776 ug/L
							Methane	109.897 ug/L
							Propane	301.126 ug/L
							Propene	287.268 ug/L
					VRSKHESURRSTK_00001	2 mL	1,1,1-Trifluoroethane	1434.65 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
.VRSKHESURRSTK_00001	01/10/13	Butler Gas - Matheson, Lot 9302601081			(Purchased Reagent)		1,1,1-Trifluoroethane	8607.9 ug/L
VOARSK1759STD_00007	01/10/13	02/20/12	di water, Lot NA	12 mL	VOARSK175STOC_00005	5 mL	Acetylene	447.211 ug/L
							Butane	991.01 ug/L
							Ethane	514.648 ug/L
							Ethylene	481.94 ug/L
							Methane	274.743 ug/L
							Propane	752.815 ug/L
							Propene	718.17 ug/L
					VRSKHESURRSTK_00001	5 mL	1,1,1-Trifluoroethane	3586.63 ug/L
.VOARSK175STOC_00005	02/01/14	Butler Gas - Matheson Tri Gas, Lot 109-26-06947			(Purchased Reagent)		Acetylene	1073.31 ug/L
							Butane	2378.42 ug/L
							Ethane	1235.16 ug/L
							Ethylene	1156.66 ug/L
							Methane	659.382 ug/L
							Propane	1806.76 ug/L
							Propene	1723.61 ug/L
.VRSKHESURRSTK_00001	01/10/13	Butler Gas - Matheson, Lot 9302601081			(Purchased Reagent)		1,1,1-Trifluoroethane	8607.9 ug/L
VOARSK175SEC_00003	10/10/13	AIR LIQUIDE, Lot 284PLU1SPC09D			(Purchased Reagent)		Propane	18076.6 ug/L
VOARSK175STOC_00007	11/18/13	MATHESON TRI-GAS INC., Lot 109-16-06580			(Purchased Reagent)		Propane	1822.12 ug/L
VRSKHESURRSTK_00001	01/10/13	Butler Gas - Matheson, Lot 9302601081			(Purchased Reagent)		1,1,1-Trifluoroethane	8607.9 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Test America Savannah Job No.: 280-28076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Diluant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MBAS SPIKE_00534	04/25/12	04/24/12	DI H2O, Lot DIH2O	10 mL	MBAS SPSTD_00021	0.5 mL	Methylene Blue Active Substances	0.05 mg/mL
.MBAS SPSTD_00021	08/31/12	RICCA, Lot 2108398			(Purchased Reagent)		Methylene Blue Active Substances	1 mg/mL

Certification Summary

Client: U.S. Geological Survey
Project/Site: EPA - Pavillion Fracking

TestAmerica Job ID: 280-28076-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Austin	Arkansas DEQ	State Program	6	88-0685
TestAmerica Austin	California	State Program	9	2411
TestAmerica Austin	Kansas	NELAC	7	E-10165
TestAmerica Austin	Louisiana	NELAC	6	30736
TestAmerica Austin	North Carolina DENR	State Program	4	302
TestAmerica Austin	Oklahoma	State Program	6	8720
TestAmerica Austin	Pennsylvania	NELAC	3	68-04085
TestAmerica Austin	South Carolina	State Program	4	82003
TestAmerica Austin	Texas	NELAC	6	T104704217-11-9
TestAmerica Austin	USDA	Federal		P330-08-00046
TestAmerica Austin	Virginia	NELAC	3	460219
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602

Certification Summary

Client: U.S. Geological Survey
Project/Site: EPA - Pavillion Fracking

TestAmerica Job ID: 280-28076-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	Pennsylvania	State Program	3	02-416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014002
TestAmerica Pittsburgh	USDA	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	State Program	6	N/A
TestAmerica Savannah	Arkansas DEQ	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	GA Dept. of Agriculture	State Program	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Georgia	State Program	4	N/A
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Kentucky (UST)	State Program	4	18
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina DENR	State Program	4	269
TestAmerica Savannah	North Carolina DHHS	State Program	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001

Certification Summary

Client: U.S. Geological Survey
Project/Site: EPA - Pavillion Fracking

TestAmerica Job ID: 280-28076-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	Federal		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC	3	460161
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	State Program	3	9950C
TestAmerica Savannah	West Virginia DEP	State Program	3	94
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW02	280-28076-1	99	96	98	91
MW02 (UNPRESERVED)	280-28076-2	96	95	94	90
	MB 280-117414/10	101	102	95	100
	LCS 280-117414/5	97	93	95	91
	LCS 280-117414/8	96	96	95	92
	LCSD 280-117414/6	100	95	96	91
	LCSD 280-117414/9	100	96	95	92
	280-28131-E-12 MS	91	96	97	88
	280-28131-E-12 MSD	90	92	98	91

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7062.D

Lab ID: LCS 280-117414/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	80.0	83.2	104	50-156	
Benzene	5.00	4.58	92	74-135	
Bromobenzene	5.00	4.27	85	74-135	
Bromochloromethane	5.00	4.66	93	70-135	
Bromodichloromethane	5.00	5.33	107	73-135	
Bromoform	5.00	5.05	101	62-135	
Bromomethane	5.00	5.64	113	38-150	
2-Butanone (MEK)	20.0	25.1	125	44-150	
Carbon disulfide	5.00	3.08	62	34-150	
Carbon tetrachloride	5.00	5.54	111	67-135	
Chlorobenzene	5.00	4.41	88	76-135	
Chlorodibromomethane	5.00	4.98	100	68-135	
Chloroethane	5.00	5.80	116	46-147	
Chloroform	5.00	5.05	101	76-120	
Chloromethane	5.00	6.09	122	34-145	
2-Chlorotoluene	5.00	4.28	86	72-135	
4-Chlorotoluene	5.00	4.28	86	74-135	
1,2-Dibromo-3-Chloropropane	5.00	4.99 J	100	65-150	
Dibromomethane	5.00	4.84	97	72-135	
1,2-Dichlorobenzene	5.00	4.40	88	75-135	
1,3-Dichlorobenzene	5.00	4.38	88	74-135	
1,4-Dichlorobenzene	5.00	4.46	89	75-135	
Dichlorodifluoromethane	5.00	5.18	104	28-152	
1,1-Dichloroethane	5.00	4.85	97	75-135	
1,2-Dichloroethane	5.00	5.67	113	70-135	
cis-1,2-Dichloroethene	5.00	4.56	91	73-135	
1,1-Dichloroethene	5.00	4.63	93	71-136	
1,2-Dichloropropane	5.00	4.36	87	71-120	
1,3-Dichloropropane	5.00	4.68	94	70-135	
2,2-Dichloropropane	5.00	5.25	105	67-135	
cis-1,3-Dichloropropene	5.00	4.48	90	66-135	
1,1-Dichloropropene	5.00	4.53	91	69-135	
Ethylbenzene	5.00	4.44	89	72-120	
Hexachlorobutadiene	5.00	4.45	89	61-135	
2-Hexanone	20.0	19.2	96	47-150	
Isopropylbenzene	5.00	4.17	83	75-135	
Methylene Chloride	5.00	4.87	97	54-141	
4-Methyl-2-pentanone (MIBK)	20.0	19.3	96	53-150	
n-Butylbenzene	5.00	4.33	87	67-135	
Methyl tert-butyl ether	5.00	4.23 J	85	46-135	
Naphthalene	5.00	3.92	78	48-135	
N-Propylbenzene	5.00	4.11	82	69-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7062.D

Lab ID: LCS 280-117414/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	5.00	4.27	85	68-135	
sec-Butylbenzene	5.00	4.47	89	68-135	
Styrene	5.00	4.42	88	68-135	
tert-Butylbenzene	5.00	4.30	86	70-135	
1,1,1,2-Tetrachloroethane	5.00	4.87	97	73-135	
1,1,2,2-Tetrachloroethane	5.00	4.64	93	66-135	
Tetrachloroethene	5.00	4.51	90	70-135	
Toluene	5.00	4.58	92	73-120	
trans-1,2-Dichloroethene	5.00	4.58	92	75-135	
trans-1,3-Dichloropropene	5.00	4.83	97	68-135	
1,2,3-Trichlorobenzene	5.00	4.26	85	60-135	
1,2,4-Trichlorobenzene	5.00	4.37	87	64-135	
1,1,1-Trichloroethane	5.00	5.13	103	70-135	
1,1,2-Trichloroethane	5.00	4.73	95	73-135	
m-Xylene & p-Xylene	10.0	8.92	89	74-135	
o-Xylene	5.00	4.35	87	73-135	
Trichloroethene	5.00	4.64	93	73-135	
Trichlorofluoromethane	5.00	5.85	117	47-150	
1,2,3-Trichloropropane	5.00	4.51	90	68-135	
1,2,4-Trimethylbenzene	5.00	4.38	88	72-135	
1,2-Dibromoethane	5.00	4.61	92	71-135	
1,3,5-Trimethylbenzene	5.00	4.36	87	70-135	
Vinyl chloride	5.00	5.70	114	40-144	
Xylenes, Total	15.0	13.3	89	75-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7066.D

Lab ID: LCS 280-117414/8 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropanol	200	138	69	50-150	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7063.D

Lab ID: LCSD 280-117414/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	80.0	85.1	106	2	41	50-156	
Benzene	5.00	4.70	94	3	20	74-135	
Bromobenzene	5.00	4.43	89	4	20	74-135	
Bromochloromethane	5.00	5.08	102	9	20	70-135	
Bromodichloromethane	5.00	5.58	112	5	20	73-135	
Bromoform	5.00	5.02	100	1	21	62-135	
Bromomethane	5.00	5.48	110	3	24	38-150	
2-Butanone (MEK)	20.0	25.6	128	2	32	44-150	
Carbon disulfide	5.00	3.39	68	10	20	34-150	
Carbon tetrachloride	5.00	5.74	115	4	21	67-135	
Chlorobenzene	5.00	4.61	92	4	20	76-135	
Chlorodibromomethane	5.00	5.25	105	5	20	68-135	
Chloroethane	5.00	5.90	118	2	25	46-147	
Chloroform	5.00	5.37	107	6	20	76-120	
Chloromethane	5.00	6.28	126	3	24	34-145	
2-Chlorotoluene	5.00	4.46	89	4	20	72-135	
4-Chlorotoluene	5.00	4.36	87	2	20	74-135	
1,2-Dibromo-3-Chloropropane	5.00	5.19	104	4	22	65-150	
Dibromomethane	5.00	5.07	101	5	20	72-135	
1,2-Dichlorobenzene	5.00	4.61	92	4	20	75-135	
1,3-Dichlorobenzene	5.00	4.60	92	5	20	74-135	
1,4-Dichlorobenzene	5.00	4.62	92	3	23	75-135	
Dichlorodifluoromethane	5.00	5.23	105	1	24	28-152	
1,1-Dichloroethane	5.00	5.09	102	5	21	75-135	
1,2-Dichloroethane	5.00	6.01	120	6	20	70-135	
cis-1,2-Dichloroethene	5.00	4.79	96	5	20	73-135	
1,1-Dichloroethene	5.00	4.97	99	7	20	71-136	
1,2-Dichloropropane	5.00	4.58	92	5	20	71-120	
1,3-Dichloropropane	5.00	4.64	93	1	20	70-135	
2,2-Dichloropropane	5.00	5.46	109	4	24	67-135	
cis-1,3-Dichloropropene	5.00	4.68	94	4	20	66-135	
1,1-Dichloropropene	5.00	4.79	96	6	21	69-135	
Ethylbenzene	5.00	4.57	91	3	26	72-120	
Hexachlorobutadiene	5.00	4.51	90	1	25	61-135	
2-Hexanone	20.0	19.0	95	1	25	47-150	
Isopropylbenzene	5.00	4.46	89	7	20	75-135	
Methylene Chloride	5.00	5.26	105	8	20	54-141	
4-Methyl-2-pentanone (MIBK)	20.0	19.3	97	0	22	53-150	
n-Butylbenzene	5.00	4.45	89	3	21	67-135	
Methyl tert-butyl ether	5.00	4.29 J	86	1	21	46-135	
Naphthalene	5.00	4.12	82	5	32	48-135	
N-Propylbenzene	5.00	4.36	87	6	20	69-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7063.D

Lab ID: LCSD 280-117414/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
p-Isopropyltoluene	5.00	4.42	88	3	20	68-135	
sec-Butylbenzene	5.00	4.48	90	0	21	68-135	
Styrene	5.00	4.66	93	5	20	68-135	
tert-Butylbenzene	5.00	4.49	90	4	21	70-135	
1,1,1,2-Tetrachloroethane	5.00	5.13	103	5	20	73-135	
1,1,2,2-Tetrachloroethane	5.00	4.62	92	0	20	66-135	
Tetrachloroethene	5.00	4.64	93	3	20	70-135	
Toluene	5.00	4.73	95	3	20	73-120	
trans-1,2-Dichloroethene	5.00	4.85	97	6	24	75-135	
trans-1,3-Dichloropropene	5.00	5.03	101	4	20	68-135	
1,2,3-Trichlorobenzene	5.00	4.52	90	6	29	60-135	
1,2,4-Trichlorobenzene	5.00	4.49	90	3	25	64-135	
1,1,1-Trichloroethane	5.00	5.34	107	4	20	70-135	
1,1,2-Trichloroethane	5.00	4.97	99	5	21	73-135	
m-Xylene & p-Xylene	10.0	9.01	90	1	20	74-135	
o-Xylene	5.00	4.48	90	3	20	73-135	
Trichloroethene	5.00	4.88	98	5	20	73-135	
Trichlorofluoromethane	5.00	5.71	114	3	20	47-150	
1,2,3-Trichloropropane	5.00	5.04	101	11	23	68-135	
1,2,4-Trimethylbenzene	5.00	4.50	90	3	20	72-135	
1,2-Dibromoethane	5.00	4.51	90	2	20	71-135	
1,3,5-Trimethylbenzene	5.00	4.50	90	3	20	70-135	
Vinyl chloride	5.00	5.79	116	2	24	40-144	
Xylenes, Total	15.0	13.5	90	2	20	75-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7067.D

Lab ID: LCSD 280-117414/9 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Isopropanol	200	164	82	17	30	50-150	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7079.D

Lab ID: 280-28131-E-12 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	20.0	ND	261	1307	50-156	E F
Benzene	5.00	ND	5.11	102	74-135	
Bromobenzene	5.00	ND	4.57	91	74-135	
Bromochloromethane	5.00	ND	4.85	97	70-135	
Bromodichloromethane	5.00	ND	5.70	114	73-135	
Bromoform	5.00	ND	4.94	99	62-135	
Bromomethane	5.00	ND	4.77	95	38-150	
2-Butanone (MEK)	20.0	ND	167	836	44-150	F
Carbon disulfide	5.00	ND	3.18	64	34-150	
Carbon tetrachloride	5.00	ND	5.67	113	67-135	
Chlorobenzene	5.00	ND	4.65	93	76-135	
Chlorodibromomethane	5.00	ND	4.95	99	68-135	
Chloroethane	5.00	ND	5.09	102	46-147	
Chloroform	5.00	ND	5.32	106	76-120	
Chloromethane	5.00	ND	23.6	472	34-145	F
2-Chlorotoluene	5.00	ND	4.52	90	72-135	
4-Chlorotoluene	5.00	ND	4.45	89	74-135	
1,2-Dibromo-3-Chloropropane	5.00	ND	5.10	102	65-150	
Dibromomethane	5.00	ND	5.32	106	72-135	
1,2-Dichlorobenzene	5.00	ND	4.67	93	75-135	
1,3-Dichlorobenzene	5.00	ND	4.65	93	74-135	
1,4-Dichlorobenzene	5.00	ND	4.67	93	75-135	
Dichlorodifluoromethane	5.00	ND	5.13	103	28-152	
1,1-Dichloroethane	5.00	ND	5.14	103	75-135	
1,2-Dichloroethane	5.00	ND	5.96	119	70-135	
cis-1,2-Dichloroethene	5.00	ND	5.08	102	73-135	
1,1-Dichloroethene	5.00	ND	5.20	104	71-136	
1,2-Dichloropropane	5.00	ND	7.53	151	71-120	F
1,3-Dichloropropane	5.00	ND	4.76	95	70-135	
2,2-Dichloropropane	5.00	ND	5.64	113	67-135	
cis-1,3-Dichloropropene	5.00	ND	4.75	95	66-135	
1,1-Dichloropropene	5.00	ND	5.48	110	69-135	
Ethylbenzene	5.00	ND	4.67	93	72-120	
Hexachlorobutadiene	5.00	ND	4.85	97	61-135	
2-Hexanone	20.0	ND	19.0	95	47-150	
Isopropylbenzene	5.00	ND	4.46	89	75-135	
Methylene Chloride	5.00	ND	5.71	114	54-141	
4-Methyl-2-pentanone (MIBK)	20.0	ND	20.5	102	53-150	
n-Butylbenzene	5.00	ND	4.66	93	67-135	
Methyl tert-butyl ether	5.00	ND	4.76 J	95	46-135	
Naphthalene	5.00	ND	4.74	95	48-135	
N-Propylbenzene	5.00	ND	4.40	88	69-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7079.D

Lab ID: 280-28131-E-12 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
p-Isopropyltoluene	5.00	ND	4.57	91	68-135	
sec-Butylbenzene	5.00	ND	4.72	94	68-135	
Styrene	5.00	ND	4.95	99	68-135	
tert-Butylbenzene	5.00	ND	4.40	88	70-135	
1,1,1,2-Tetrachloroethane	5.00	ND	4.99	100	73-135	
1,1,2,2-Tetrachloroethane	5.00	ND	2.39	48	66-135	F
Tetrachloroethene	5.00	ND	4.74	95	70-135	
Toluene	5.00	ND	5.04	101	73-120	
trans-1,2-Dichloroethene	5.00	ND	5.00	100	75-135	
trans-1,3-Dichloropropene	5.00	ND	5.18	104	68-135	
1,2,3-Trichlorobenzene	5.00	ND	5.00	100	60-135	
1,2,4-Trichlorobenzene	5.00	ND	5.00	100	64-135	
1,1,1-Trichloroethane	5.00	ND	5.28	106	70-135	
1,1,2-Trichloroethane	5.00	ND	12.5	250	73-135	F
m-Xylene & p-Xylene	10.0	ND	9.54	95	74-135	
o-Xylene	5.00	ND	4.73	95	73-135	
Trichloroethene	5.00	ND	7.18	144	73-135	F
Trichlorofluoromethane	5.00	ND	4.98	100	47-150	
1,2,3-Trichloropropane	5.00	ND	4.96	99	68-135	
1,2,4-Trimethylbenzene	5.00	ND	4.59	92	72-135	
1,2-Dibromoethane	5.00	ND	4.77	95	71-135	
1,3,5-Trimethylbenzene	5.00	ND	4.56	91	70-135	
Vinyl chloride	5.00	ND	5.10	102	40-144	
Xylenes, Total	15.0	ND	14.3	95	75-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7080.D

Lab ID: 280-28131-E-12 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	20.0	253	1264	3	41	50-156	E F
Benzene	5.00	5.13	103	0	20	74-135	
Bromobenzene	5.00	4.65	93	2	20	74-135	
Bromochloromethane	5.00	5.10	102	5	20	70-135	
Bromodichloromethane	5.00	5.29	106	8	20	73-135	
Bromoform	5.00	4.93	99	0	21	62-135	
Bromomethane	5.00	5.20	104	9	24	38-150	
2-Butanone (MEK)	20.0	164	821	2	32	44-150	F
Carbon disulfide	5.00	3.36	67	5	20	34-150	
Carbon tetrachloride	5.00	5.56	111	2	21	67-135	
Chlorobenzene	5.00	4.74	95	2	20	76-135	
Chlorodibromomethane	5.00	5.25	105	6	20	68-135	
Chloroethane	5.00	5.61	112	10	25	46-147	
Chloroform	5.00	5.29	106	1	20	76-120	
Chloromethane	5.00	22.5	450	5	24	34-145	F
2-Chlorotoluene	5.00	4.47	89	1	20	72-135	
4-Chlorotoluene	5.00	4.47	89	0	20	74-135	
1,2-Dibromo-3-Chloropropane	5.00	5.26	105	3	22	65-150	
Dibromomethane	5.00	5.51	110	3	20	72-135	
1,2-Dichlorobenzene	5.00	4.79	96	3	20	75-135	
1,3-Dichlorobenzene	5.00	4.74	95	2	20	74-135	
1,4-Dichlorobenzene	5.00	4.76	95	2	23	75-135	
Dichlorodifluoromethane	5.00	5.47	109	6	24	28-152	
1,1-Dichloroethane	5.00	5.11	102	0	21	75-135	
1,2-Dichloroethane	5.00	5.94	119	0	20	70-135	
cis-1,2-Dichloroethene	5.00	5.11	102	1	20	73-135	
1,1-Dichloroethene	5.00	5.21	104	0	20	71-136	
1,2-Dichloropropane	5.00	7.36	147	2	20	71-120	F
1,3-Dichloropropane	5.00	4.80	96	1	20	70-135	
2,2-Dichloropropane	5.00	5.46	109	3	24	67-135	
cis-1,3-Dichloropropene	5.00	4.82	96	1	20	66-135	
1,1-Dichloropropene	5.00	5.36	107	2	21	69-135	
Ethylbenzene	5.00	4.74	95	2	26	72-120	
Hexachlorobutadiene	5.00	4.91	98	1	25	61-135	
2-Hexanone	20.0	20.8	104	9	25	47-150	
Isopropylbenzene	5.00	4.48	90	0	20	75-135	
Methylene Chloride	5.00	5.89	118	3	20	54-141	
4-Methyl-2-pentanone (MIBK)	20.0	21.5	107	5	22	53-150	
n-Butylbenzene	5.00	4.66	93	0	21	67-135	
Methyl tert-butyl ether	5.00	4.77 J	95	0	21	46-135	
Naphthalene	5.00	4.82	96	2	32	48-135	
N-Propylbenzene	5.00	4.40	88	0	20	69-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P7080.D

Lab ID: 280-28131-E-12 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
p-Isopropyltoluene	5.00	4.49	90	2	20	68-135	
sec-Butylbenzene	5.00	4.80	96	2	21	68-135	
Styrene	5.00	4.88	98	1	20	68-135	
tert-Butylbenzene	5.00	4.48	90	2	21	70-135	
1,1,1,2-Tetrachloroethane	5.00	4.87	97	2	20	73-135	
1,1,2,2-Tetrachloroethane	5.00	0.815 J	16	98	20	66-135	F
Tetrachloroethene	5.00	4.84	97	2	20	70-135	
Toluene	5.00	5.11	102	1	20	73-120	
trans-1,2-Dichloroethene	5.00	4.99	100	0	24	75-135	
trans-1,3-Dichloropropene	5.00	5.16	103	0	20	68-135	
1,2,3-Trichlorobenzene	5.00	5.14	103	3	29	60-135	
1,2,4-Trichlorobenzene	5.00	4.94	99	1	25	64-135	
1,1,1-Trichloroethane	5.00	5.18	104	2	20	70-135	
1,1,2-Trichloroethane	5.00	12.1	243	3	21	73-135	F
m-Xylene & p-Xylene	10.0	9.54	95	0	20	74-135	
o-Xylene	5.00	4.72	94	0	20	73-135	
Trichloroethene	5.00	8.26	165	14	20	73-135	F
Trichlorofluoromethane	5.00	5.30	106	6	20	47-150	
1,2,3-Trichloropropane	5.00	5.30	106	7	23	68-135	
1,2,4-Trimethylbenzene	5.00	4.61	92	0	20	72-135	
1,2-Dibromoethane	5.00	4.92	98	3	20	71-135	
1,3,5-Trimethylbenzene	5.00	4.70	94	3	20	70-135	
Vinyl chloride	5.00	5.49	110	7	24	40-144	
Xylenes, Total	15.0	14.3	95	0	20	75-135	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM I V
GC/ MS VOA METHOD BLANK SUMMARY

Lab Name: Test Ameri ca Denver Job No. : 280-28076-1

SDG No. :

Lab Fi l e I D: P7068. D Lab Sampl e I D: MB 280-117414/ 10

Mat ri x: Wat er Heat ed Purge: (Y/ N) N

I nst rument I D: MSV_P Dat e Anal yzed: 04/ 27/ 2012 11: 22

GC Col umn: DB-624 (60. 25) I D: 0. 25(mm)

THI S METHOD BLANK APPLI ES TO THE FOLLOWI NG SAMPLES:

CLI ENT SAMPLE I D	LAB SAMPLE I D	LAB FI LE I D	DATE ANALYZED
	LCS 280-117414/ 5	P7062. D	04/ 27/ 2012 09: 22
	LCSD 280-117414/ 6	P7063. D	04/ 27/ 2012 09: 42
	LCS 280-117414/ 8	P7066. D	04/ 27/ 2012 10: 42
	LCSD 280-117414/ 9	P7067. D	04/ 27/ 2012 11: 02
MW02 (UNPRESERVED)	280-28076-2	P7072. D	04/ 27/ 2012 12: 39
MW02	280-28076-1	P7073. D	04/ 27/ 2012 12: 59
	280-28131-E-12 MS	P7079. D	04/ 27/ 2012 14: 56
	280-28131-E-12 MSD	P7080. D	04/ 27/ 2012 15: 15

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: P6750.D BFB Injection Date: 04/17/2012

Instrument ID: MSV_P BFB Injection Time: 08:45

Analysis Batch No.: 115881

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	53.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	69.5	
175	5.0 - 9.0 % of mass 174	4.8	(7.0)1
176	95.0 - 101.0 % of mass 174	69.0	(99.3)1
177	5.0 - 9.0 % of mass 176	4.4	(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
	IC 280-115881/2	P6751.D	04/17/2012	09:07
	IC 280-115881/3	P6752.D	04/17/2012	09:41
	IC 280-115881/4	P6753.D	04/17/2012	10:00
	IC 280-115881/5	P6754.D	04/17/2012	10:20
	IC 280-115881/6	P6755.D	04/17/2012	10:39
	IC 280-115881/7	P6756.D	04/17/2012	10:59
	ICV 280-115881/8	P6757.D	04/17/2012	11:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: P6807.D BFB Injection Date: 04/18/2012

Instrument ID: MSV_P BFB Injection Time: 07:13

Analysis Batch No.: 115994

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.0	
75	30.0 - 60.0 % of mass 95	53.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	67.3	
175	5.0 - 9.0 % of mass 174	5.7	(8.5)1
176	95.0 - 101.0 % of mass 174	65.5	(97.4)1
177	5.0 - 9.0 % of mass 176	4.4	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-115994/2	P6808.D	04/18/2012	07:36
	IC 280-115994/3	P6809.D	04/18/2012	07:55
	IC 280-115994/4	P6810.D	04/18/2012	08:15
	IC 280-115994/5	P6811.D	04/18/2012	08:34
	IC 280-115994/6	P6812.D	04/18/2012	08:53
	IC 280-115994/7	P6813.D	04/18/2012	09:13
	IC 280-115994/8	P6814.D	04/18/2012	09:32
	ICV 280-115994/9	P6815.D	04/18/2012	10:18
	ICV 280-115994/10	P6816.D	04/18/2012	10:38
	ICV 280-115994/11	P6817.D	04/18/2012	10:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: P6949.D BFB Injection Date: 04/25/2012

Instrument ID: MSV_P BFB Injection Time: 09:50

Analysis Batch No.: 117042

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.1	
75	30.0 - 60.0 % of mass 95	56.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	60.1	
175	5.0 - 9.0 % of mass 174	4.8	(7.9)1
176	95.0 - 101.0 % of mass 174	57.1	(95.0)1
177	5.0 - 9.0 % of mass 176	4.3	(7.5)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
	IC 280-117042/3	P6951.D	04/25/2012	10:19
	IC 280-117042/4	P6952.D	04/25/2012	10:38
	IC 280-117042/5	P6953.D	04/25/2012	10:58
	ICIS 280-117042/6	P6954.D	04/25/2012	11:17
	IC 280-117042/7	P6955.D	04/25/2012	11:37
	IC 280-117042/8	P6956.D	04/25/2012	11:56
	ICV 280-117042/9	P6957.D	04/25/2012	12:16

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: P7058.D BFB Injection Date: 04/27/2012

Instrument ID: MSV_P BFB Injection Time: 08:15

Analysis Batch No.: 117414

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.6	
75	30.0 - 60.0 % of mass 95	59.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	67.3	
175	5.0 - 9.0 % of mass 174	5.0	(7.4)1
176	95.0 - 101.0 % of mass 174	64.2	(95.4)1
177	5.0 - 9.0 % of mass 176	4.2	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-117414/2	P7059.D	04/27/2012	08:24
	CCV 280-117414/3	P7060.D	04/27/2012	08:43
	CCV 280-117414/4	P7061.D	04/27/2012	09:02
	LCS 280-117414/5	P7062.D	04/27/2012	09:22
	LCSD 280-117414/6	P7063.D	04/27/2012	09:42
	LCS 280-117414/8	P7066.D	04/27/2012	10:42
	LCSD 280-117414/9	P7067.D	04/27/2012	11:02
	MB 280-117414/10	P7068.D	04/27/2012	11:22
MW02 (UNPRESERVED)	280-28076-2	P7072.D	04/27/2012	12:39
MW02	280-28076-1	P7073.D	04/27/2012	12:59
	280-28131-E-12 MS	P7079.D	04/27/2012	14:56
	280-28131-E-12 MSD	P7080.D	04/27/2012	15:15

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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: ICIS 280-117042/6 | Date Analyzed: 04/25/2012 11:17

Instrument ID: MSV_P | GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): P6954.D | Heated Purge: (Y/N) N

Calibration ID: 9175

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1213960	7.99	220403	10.24	289784	12.13
UPPER LIMIT		2427920	8.49	440806	10.74	579568	12.63
LOWER LIMIT		606980	7.49	110202	9.74	144892	11.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-117042/9		1243576	7.99	231399	10.24	305680	12.13
CCV 280-117414/2		1333279	7.99	254758	10.23	355801	12.12
CCV 280-117414/3		1333359	7.98	251297	10.23	326600	12.12
CCV 280-117414/4		1209376	7.99	231249	10.23	301615	12.12
LCS 280-117414/5		1173138	7.99	226554	10.23	319330	12.12
LCSD 280-117414/6		1175552	7.99	225282	10.24	316583	12.13
LCS 280-117414/8		1253297	8.00	240680	10.25	321334	12.14
LCSD 280-117414/9		1140506	7.99	215194	10.24	287853	12.13
MB 280-117414/10		1155435	7.99	225932	10.24	299271	12.13
280-28131-E-12 MS		1279586	7.98	251037	10.23	363513	12.13
280-28131-E-12 MSD		1362761	7.99	266166	10.23	379965	12.13

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: P7073.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	350		200	38
107-13-1	Acrylonitrile	ND		400	28
107-05-1	Allyl chloride	ND		40	3.4
71-43-2	Benzene	250		20	3.2
108-86-1	Bromobenzene	ND		20	3.4
74-97-5	Bromochloromethane	ND		20	2.0
75-27-4	Bromodichloromethane	ND		20	3.4
75-25-2	Bromoform	ND		20	3.8
74-83-9	Bromomethane	ND		40	4.2
78-93-3	2-Butanone (MEK)	ND		120	40
75-15-0	Carbon disulfide	ND		40	9.0
56-23-5	Carbon tetrachloride	ND		20	3.8
108-90-7	Chlorobenzene	ND		20	3.4
124-48-1	Chlorodibromomethane	ND		20	3.4
75-00-3	Chloroethane	ND		40	8.2
67-66-3	Chloroform	ND		20	3.2
74-87-3	Chloromethane	ND		40	6.0
95-49-8	2-Chlorotoluene	ND		20	3.4
106-43-4	4-Chlorotoluene	ND		20	4.2
156-59-2	cis-1,2-Dichloroethene	ND		20	3.0
10061-01-5	cis-1,3-Dichloropropene	ND		20	3.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	9.4
106-93-4	1,2-Dibromoethane	ND		20	3.6
74-95-3	Dibromomethane	ND		20	3.4
95-50-1	1,2-Dichlorobenzene	ND		20	3.0
541-73-1	1,3-Dichlorobenzene	ND		20	2.6
106-46-7	1,4-Dichlorobenzene	ND		20	3.2
75-71-8	Dichlorodifluoromethane	ND		40	6.2
75-34-3	1,1-Dichloroethane	ND		20	4.4
107-06-2	1,2-Dichloroethane	ND		20	2.6
75-35-4	1,1-Dichloroethene	ND		20	4.6
78-87-5	1,2-Dichloropropane	ND		20	3.6
142-28-9	1,3-Dichloropropane	ND		20	4.4
594-20-7	2,2-Dichloropropane	ND		20	3.6
563-58-6	1,1-Dichloropropene	ND		20	3.8
108-20-3	Diisopropyl ether	ND		200	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: P7073.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	ND		6000	1900
100-41-4	Ethylbenzene	100		20	3.2
60-29-7	Ethyl ether	ND		40	5.2
637-92-3	Ethyl tert-butyl ether	ND		100	24
87-68-3	Hexachlorobutadiene	ND		20	7.2
591-78-6	2-Hexanone	ND		100	34
74-88-4	Iodomethane	ND		20	4.6
78-83-1	Isobutanol	ND		2200	730
67-63-0	Isopropanol	ND		800	260
98-82-8	Isopropylbenzene	11	J	20	3.8
126-98-7	Methacrylonitrile	ND		200	32
75-09-2	Methylene Chloride	ND		40	6.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	20
1634-04-4	Methyl tert-butyl ether	ND		100	5.0
179601-23-1	m-Xylene & p-Xylene	1000		40	6.8
91-20-3	Naphthalene	7.2	J	20	4.4
71-36-3	n-Butanol	ND		1200	340
104-51-8	n-Butylbenzene	ND		20	6.4
103-65-1	N-Propylbenzene	13	J	20	3.2
95-47-6	o-Xylene	260		20	3.8
99-87-6	p-Isopropyltoluene	ND		20	4.0
135-98-8	sec-Butylbenzene	ND		20	3.4
100-42-5	Styrene	ND		20	3.4
994-05-8	Tert-amyl methyl ether	ND		100	28
75-65-0	tert-Butyl alcohol	6300		1000	220
98-06-6	tert-Butylbenzene	ND		20	3.2
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	4.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
127-18-4	Tetrachloroethene	ND		20	4.0
108-88-3	Toluene	690		20	3.4
156-60-5	trans-1,2-Dichloroethene	ND		20	3.0
10061-02-6	trans-1,3-Dichloropropene	ND		60	3.8
87-61-6	1,2,3-Trichlorobenzene	ND		20	4.2
120-82-1	1,2,4-Trichlorobenzene	ND		20	4.2
71-55-6	1,1,1-Trichloroethane	ND		20	3.2
79-00-5	1,1,2-Trichloroethane	ND		20	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: P7073.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		20	3.2
75-69-4	Trichlorofluoromethane	ND		40	5.8
96-18-4	1,2,3-Trichloropropane	ND		50	6.6
95-63-6	1,2,4-Trimethylbenzene	140		20	3.0
108-67-8	1,3,5-Trimethylbenzene	86		20	3.2
526-73-8	1,2,3-Trimethylbenzene	45		40	5.4
75-01-4	Vinyl chloride	ND		20	2.0
1330-20-7	Xylenes, Total	1300		40	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		78-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-127
2037-26-5	Toluene-d8 (Surr)	98		80-125

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

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: P7073.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

Number TICs Found: 15 | TIC Result Total: 3749

CAS NO.	COMPOUND NAME	RT	RESULT	Q
111-76-2	2-Butoxy-ethanol		ND	J N
74-98-6	Propane	4.13	1000	T J N
75-28-5	Isobutane	4.36	980	T J N
	Unknown	4.47	60	T J
	Unknown	4.55	610	T J
78-78-4	Butane, 2-methyl-	5.04	80	T J N
	Unknown alkane	5.10	240	T J N
109-66-0	Pentane	5.28	110	T J N
598-61-8	Cyclobutane, methyl-	6.20	54	T J N
110-54-3	Hexane	6.47	13	J
	Unknown	7.04	91	T J
110-82-7	Cyclohexane	7.59	200	
108-87-2	Methylcyclohexane	8.44	95	
	Benzene, ethyl-methyl-	11.33	170	T J N
	Benzene, ethyl-methyl-	11.61	46	T J N

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7073.D
Lab Smp Id: 280-28076-W-1 Client Smp ID: MW02
Inj Date : 27-APR-2012 12:59
Operator : MEIERG Inst ID: P.i
Smp Info : 280-28076-w-1,1,PH<2
Misc Info : 280-28076-W-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	1.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70	Fluorobenzene	96	7.988	7.988	(1.000)	1187466	12.5000		
* 96	Chlorobenzene-d5	119	10.233	10.240	(1.000)	228760	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	337913	12.5000		(Q)
$ 59	Dibromofluoromethane (Surr)	111	7.437	7.438	(0.931)	284888	12.3635	247.269	
$ 65	1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	308519	11.9524	239.048	
$ 84	Toluene-d8	98	9.139	9.146	(0.893)	1240659	12.3018	246.035	
$ 107	4-Bromofluorobenzene (Surr)	95	11.120	11.127	(0.917)	390538	11.3639	227.277	
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.						
M 2	Xylene (total)	106				3268386	62.8634	1257.27	
5	dichlorodifluoromethane	85	Compound Not Detected.						
6	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7	Chloromethane	50	Compound Not Detected.						
8	Vinyl Chloride	62	Compound Not Detected.						
9	Ethylene Oxide	43	Compound Not Detected.						
10	Bromomethane	94	Compound Not Detected.						
11	Chloroethane	64	Compound Not Detected.						
12	Dichlorofluoromethane	67	Compound Not Detected.						
14	Trichlorofluoromethane	101	Compound Not Detected.						
13	Ethanol	45	Compound Not Detected.						
15	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17	Ethyl Ether	59	Compound Not Detected.						
16	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
19 Acrolein	56	Compound Not Detected.					
20 Acetone	43	5.714	5.714	(0.715)	47914	17.2605	345.209
21 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 2-propanol	45	Compound Not Detected.					
23 1,1-Dichloroethene	96	Compound Not Detected.					
27 Iodomethane	142	Compound Not Detected.					
26 Acetonitrile	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
31 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
30 tert-Butyl alcohol	59	6.057	6.065	(0.758)	176729	315.435	6308.70
33 Methylene Chloride	84	Compound Not Detected.					
34 Acrylonitrile	53	Compound Not Detected.					
35 Methyl t-butyl ether	73	Compound Not Detected.					
36 trans-1,2-Dichloroethene	96	Compound Not Detected.					
40 Hexane	57	6.472	6.479	(0.632)	34947	0.66652	13.3303(a)
42 Vinyl acetate	43	Compound Not Detected.					
43 sec-Butyl Alcohol	45	Compound Not Detected.					
44 Isopropyl ether	87	Compound Not Detected.					
45 1,1-Dichloroethane	63	Compound Not Detected.					
47 Chloroprene	53	Compound Not Detected.					
49 ETBE	59	Compound Not Detected.					
51 2-Butanone	43	Compound Not Detected.					
50 Ethyl Acetate	43	Compound Not Detected.					
53 cis-1,2-Dichloroethene	96	Compound Not Detected.					
52 Propionitrile	54	Compound Not Detected.					
54 2,2-Dichloropropane	77	Compound Not Detected.					
55 Methacrylonitrile	41	Compound Not Detected.					
56 Bromochloromethane	128	Compound Not Detected.					
57 Chloroform	83	Compound Not Detected.					
58 Tetrahydrofuran	42	Compound Not Detected.					
61 1,1,1-Trichloroethane	97	Compound Not Detected.					
60 Isobutanol	41	Compound Not Detected.					
62 Cyclohexane	56	7.587	7.588	(0.950)	591608	9.98693	199.739
63 1,1-Dichloropropene	75	Compound Not Detected.					
64 Carbon Tetrachloride	117	Compound Not Detected.					
66 1,2-Dichloroethane	62	Compound Not Detected.					
68 Benzene	78	7.809	7.816	(0.978)	1431751	12.6417	252.833
67 TAME	73	Compound Not Detected.					
69 n-Butanol	56	Compound Not Detected.					
72 Trichloroethene	130	Compound Not Detected.					
73 2-Pentanone	43	Compound Not Detected.					
74 Methyl Methacrylate	100	Compound Not Detected.					
75 1,2-Dichloropropane	63	Compound Not Detected.					
76 Methyl Cyclohexane	55	8.438	8.439	(1.056)	247327	4.73664	94.7328
77 1,4-Dioxane	88	Compound Not Detected.					
78 Dibromomethane	93	Compound Not Detected.					
79 Bromodichloromethane	83	Compound Not Detected.					
80 2-nitropropane	41	Compound Not Detected.					
81 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
82 cis-1,3-Dichloropropene	75	Compound Not Detected.					
83 4-Methyl-2-pentanone	43	Compound Not Detected.					
85 Toluene	91	9.196	9.196	(1.151)	4088672	34.4919	689.838
87 trans-1,3-Dichloropropene	75	Compound Not Detected.					

EPAPAV0011526

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
86 Ethyl methacrylate	69	Compound Not Detected.					
88 1,1,2-Trichloroethane	97	Compound Not Detected.					
89 2-Hexanone	43	Compound Not Detected.					
90 1,3-Dichloropropane	76	Compound Not Detected.					
91 Tetrachloroethene	164	Compound Not Detected.					
92 Dibromochloromethane	129	Compound Not Detected.					
93 Tetrahydrothiophene	60	Compound Not Detected.					
94 1,2-Dibromoethane	107	Compound Not Detected.					
95 1-Chlorohexane	91	Compound Not Detected.					
97 Chlorobenzene	112	Compound Not Detected.					
98 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
99 Ethylbenzene	106	10.290	10.290	(1.006)	229928	5.21295	104.259
100 m and p-Xylene	106	10.362	10.369	(1.013)	2645950	49.9283	998.567
102 o-Xylene	106	10.691	10.691	(1.045)	622436	12.9351	258.701
101 Styrene	104	Compound Not Detected.					
103 Bromoform	173	Compound Not Detected.					
104 isopropyl benzene	105	10.955	10.955	(0.903)	89762	0.56629	11.3258(a)
105 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
106 Cyclohexanone	55	Compound Not Detected.					
108 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
109 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
110 1,2,3-Trichloropropane	110	Compound Not Detected.					
112 Bromobenzene	156	Compound Not Detected.					
111 n-Propylbenzene	120	11.284	11.284	(0.930)	28317	0.65201	13.0402(a)
114 2-Chlorotoluene	126	Compound Not Detected.					
113 1,3,5-Trimethylbenzene	105	11.391	11.399	(0.939)	533423	4.31037	86.2074
115 4-Chlorotoluene	126	Compound Not Detected.					
116 tert-Butylbenzene	119	Compound Not Detected.					
117 1,2,4-Trimethylbenzene	105	11.734	11.735	(0.968)	863000	7.06145	141.229(Q)
119 sec-Butylbenzene	134	Compound Not Detected.					
120 4-Isopropyltoluene	119	Compound Not Detected.					
121 1,3-Dichlorobenzene	146	Compound Not Detected.					
123 1,4-dichlorobenzene	146	Compound Not Detected.					
124 1,2,3-Trimethylbenzene	105	12.142	12.149	(1.001)	240370	2.25167	45.0334
125 n-Butylbenzene	91	Compound Not Detected.					
127 1,2-Dichlorobenzene	146	Compound Not Detected.					
128 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
130 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
131 Hexachlorobutadiene	225	Compound Not Detected.					
132 Naphthalene	128	14.745	14.752	(1.216)	11884	0.35894	7.17874(a)
133 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7073.D
Lab Smp Id: 280-28076-W-1 Client Smp ID: MW02
Inj Date : 27-APR-2012 12:59
Operator : MEIERG Inst ID: P.i
Smp Info : 280-28076-w-1,1,PH<2
Misc Info : 280-28076-W-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	1.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 70 Fluorobenzene	7.988	2795359	12.500
* 122 1,4-Dichlorobenzene-d4	12.128	3149980	12.500

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Propane				CAS #: 74-98-6			
4.133	11467214	51.2779098	1025.56	83	NBS75K.l	62269	70
Isobutane				CAS #: 75-28-5			
4.356	10907572	48.7753574	975.507	80	NBS75K.l	62334	70
Unknown				CAS #:			
4.468	673429	3.01136842	60.2274	0		0	70
Unknown				CAS #:			
4.552	6855937	30.6576731	613.153	0		0	70
Butane, 2-methyl-				CAS #: 78-78-4			
5.041	893751	3.99658323	79.9317	86	NBS75K.l	62518	70

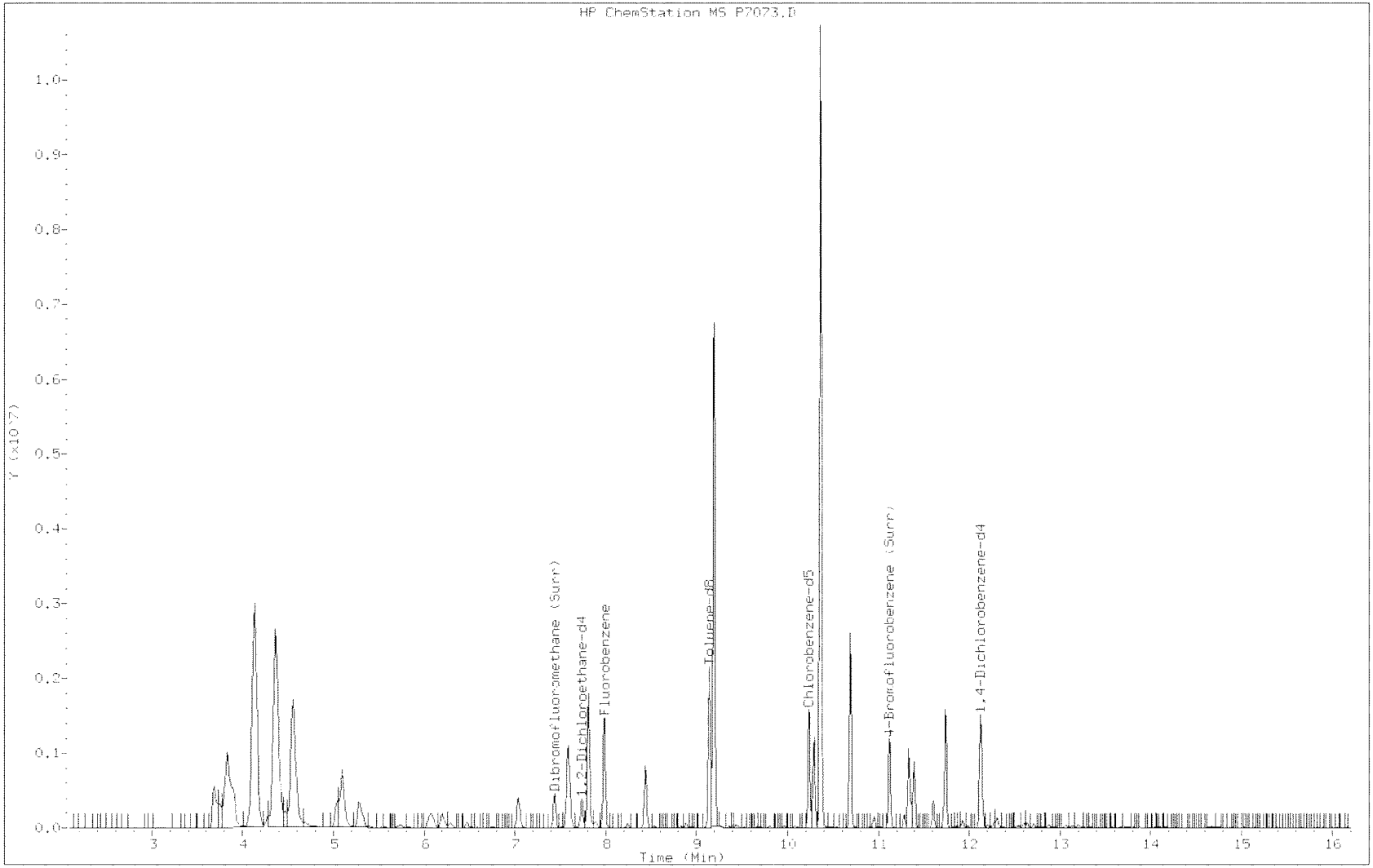
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(uq/L)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Butane, 2-methyl-				CAS #: 78-78-4			
5.097	2695226	12.0522338	241.045	86	NBS75K.l	62517	70
Pentane				CAS #: 109-66-0			
5.278	1224297	5.47468367	109.494	90	NBS75K.l	280	70
Cyclobutane, methyl-				CAS #: 598-61-8			
6.201	598687	2.67714892	53.5430	86	NBS75K.l	229	70
Unknown				CAS #:			
7.037	1015138	4.53938765	90.7878	0		0	70
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
11.335	2079597	8.25241981	165.048	94	NBS75K.l	64560	122
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
11.606	580039	2.30175449	46.0351	94	NBS75K.l	3765	122

Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG



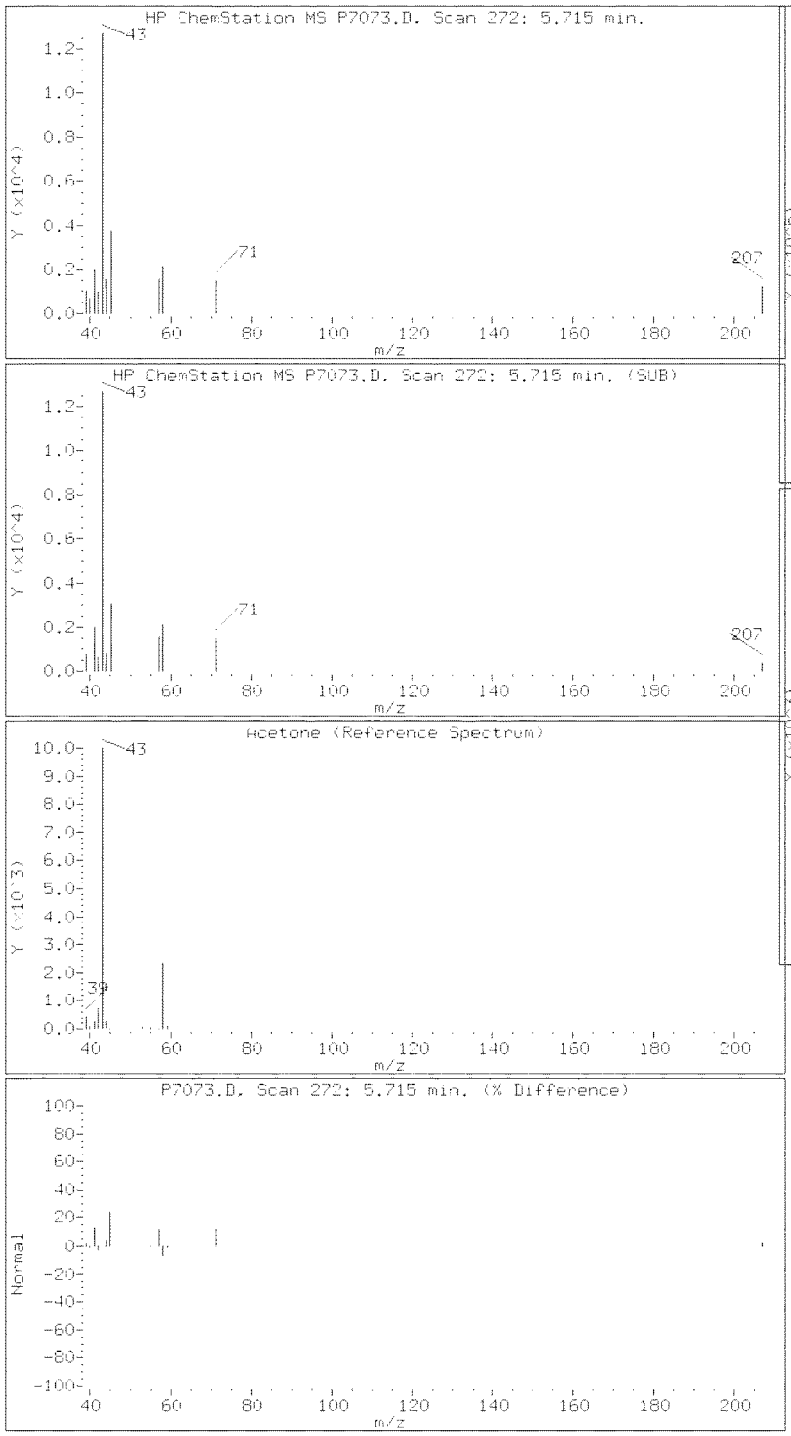
Data File: P7073.D

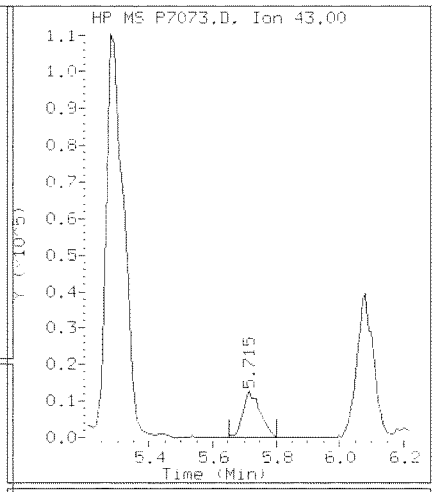
Date: 27-APR-2012 12:59

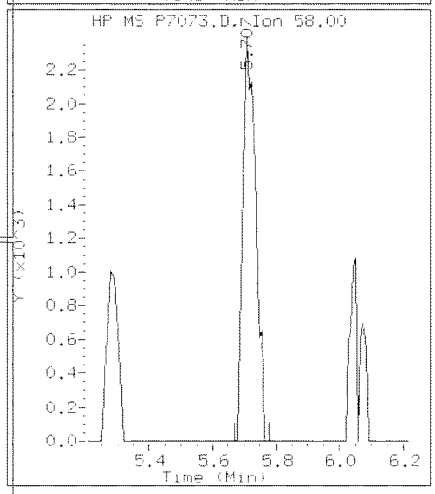
Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

20 Acetone







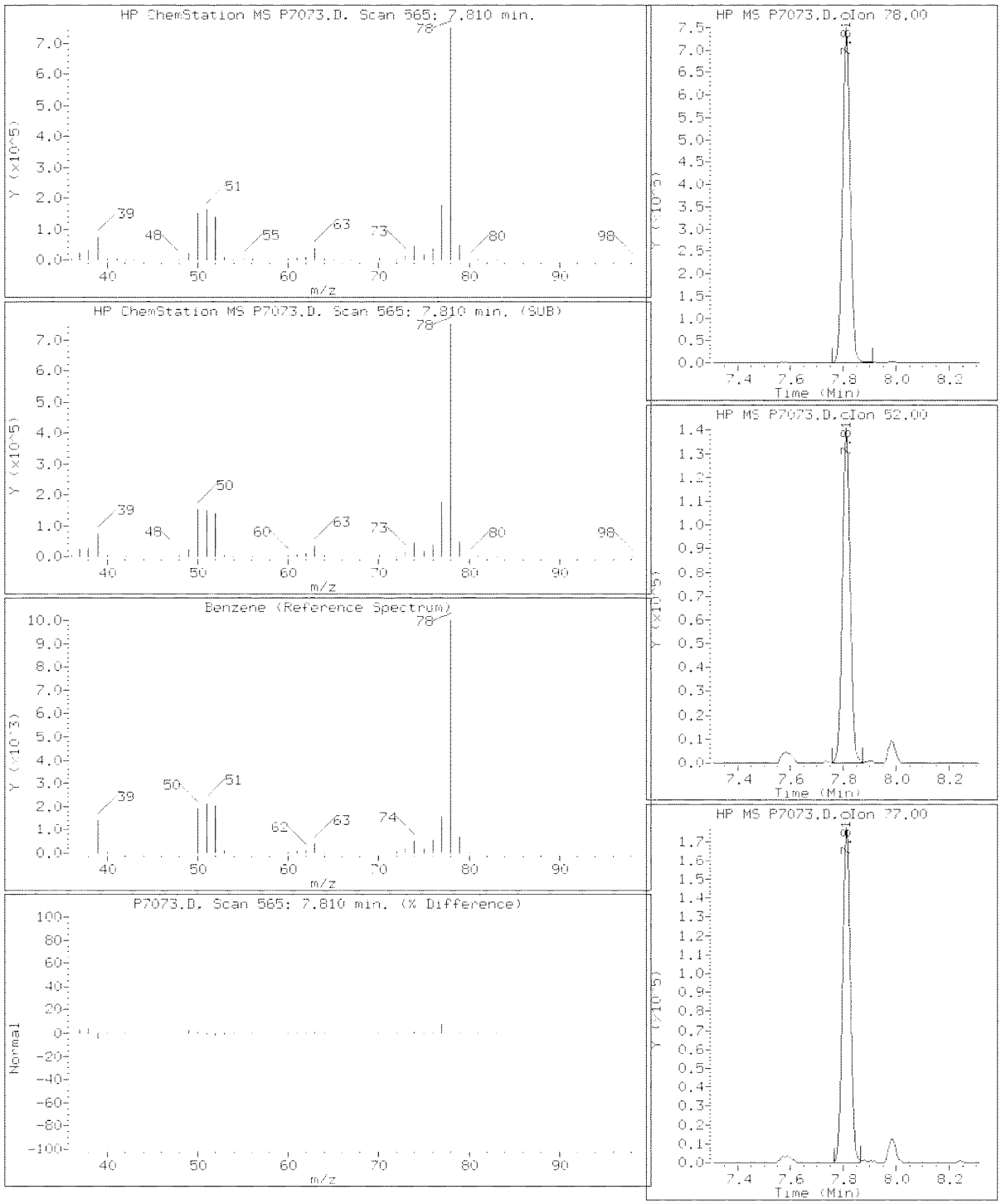
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

68 Benzene



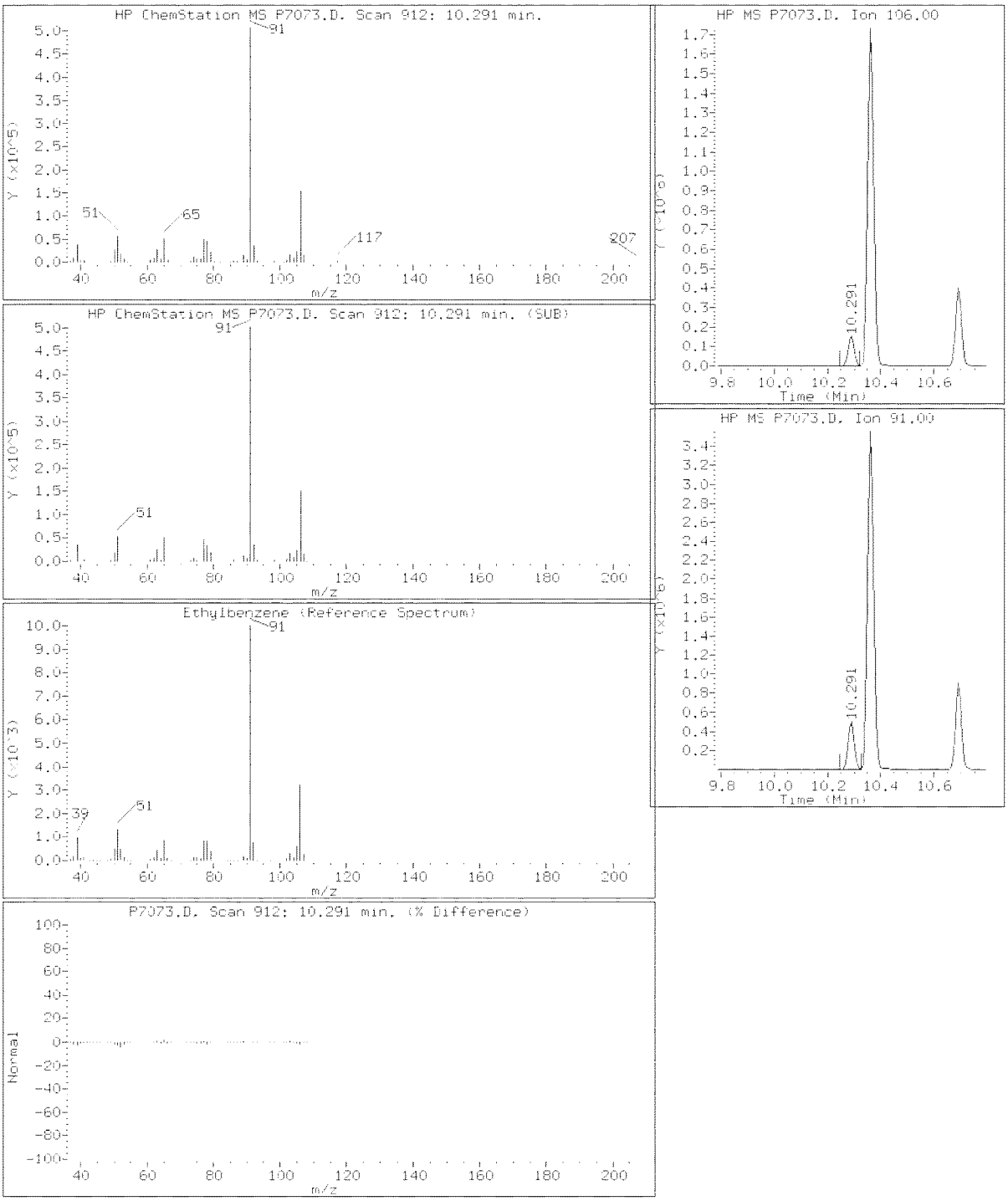
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

99 Ethylbenzene



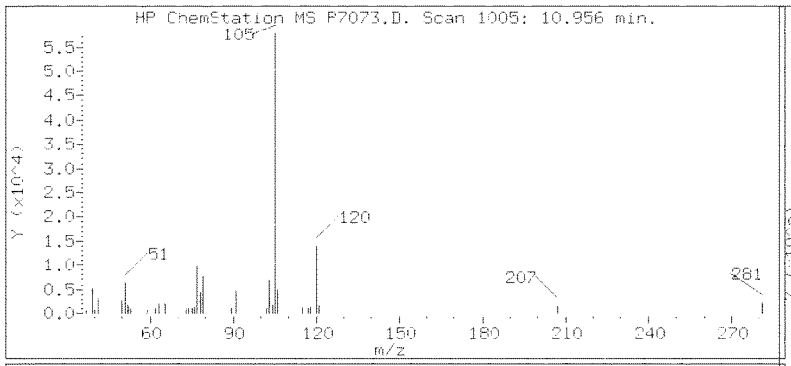
Data File: P7073.D

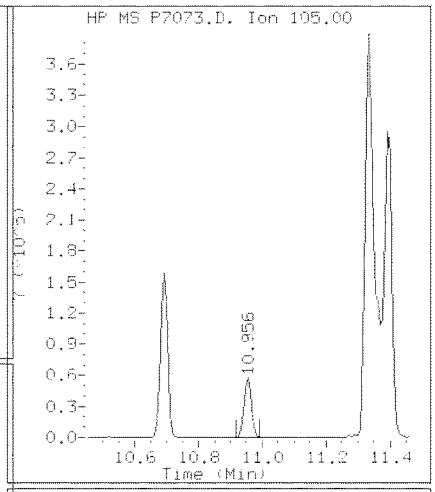
Date: 27-APR-2012 12:59

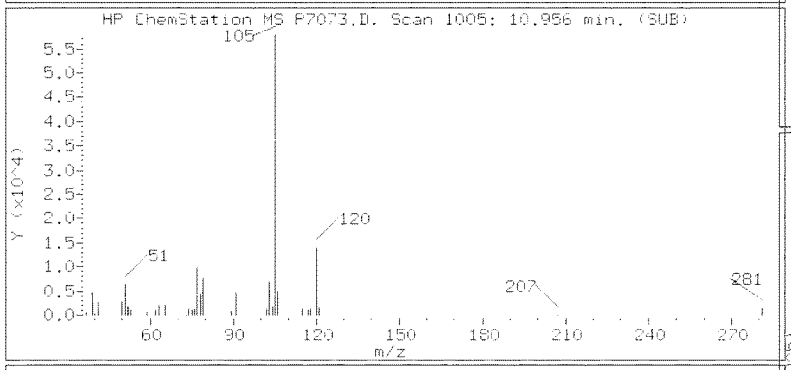
Client ID: MW02 Instrument: P.i

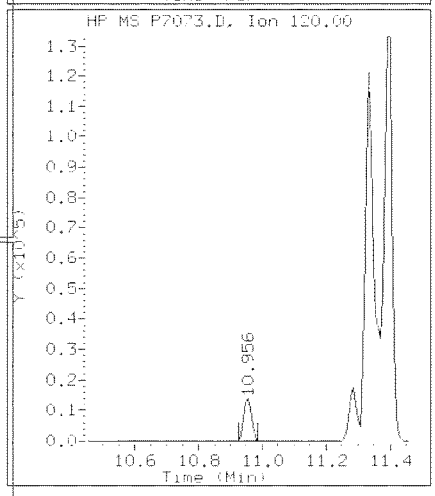
Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

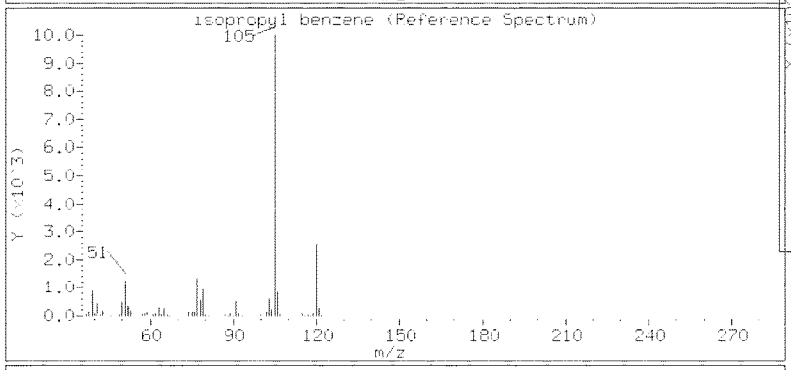
104 isopropyl benzene

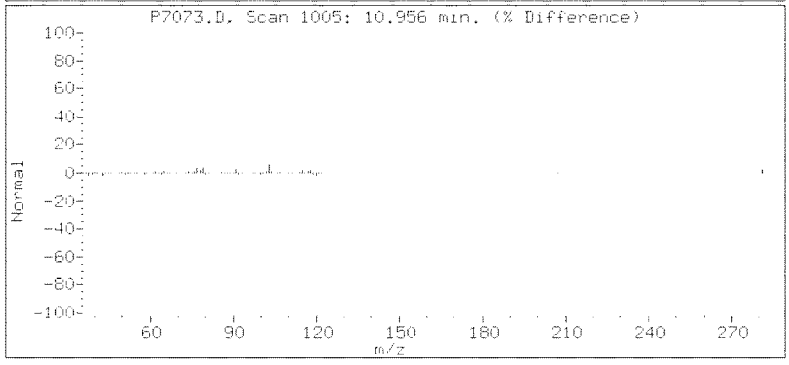












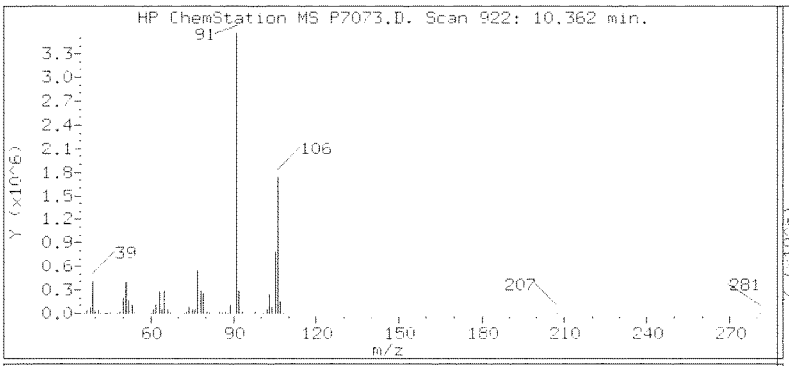
Data File: P7073.D

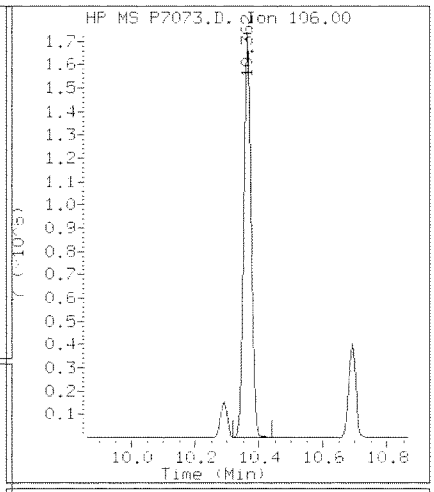
Date: 27-APR-2012 12:59

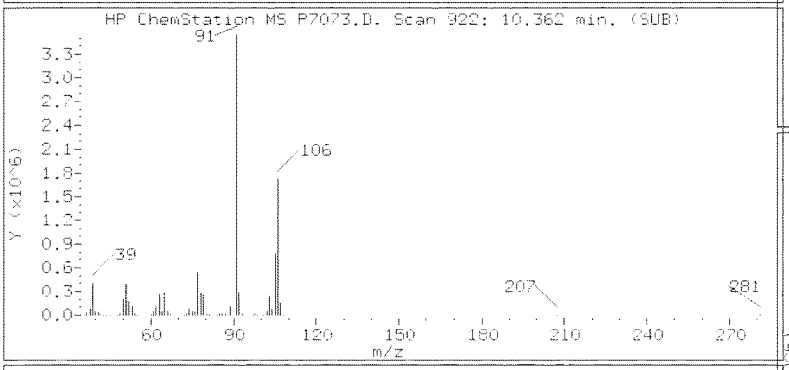
Client ID: MW02 Instrument: P.i

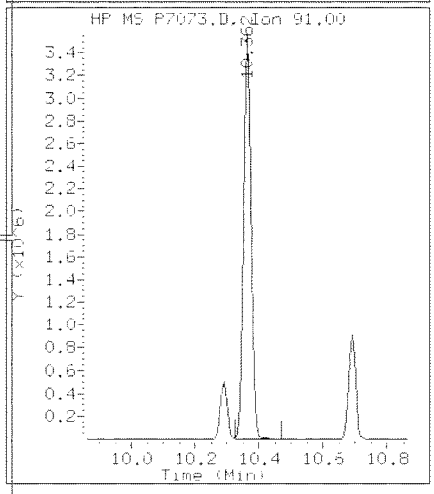
Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

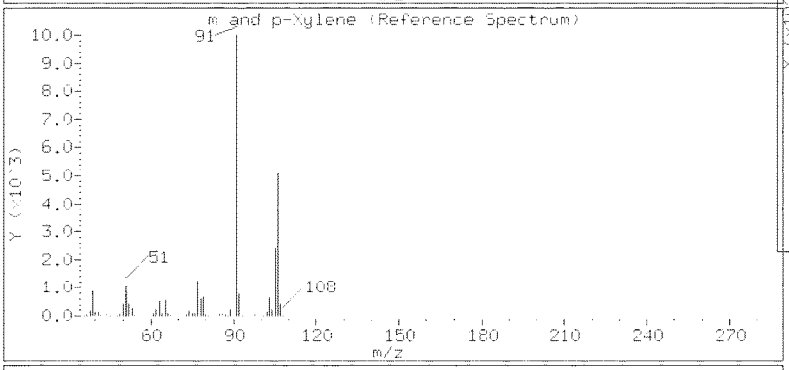
100 m and p-Xylene

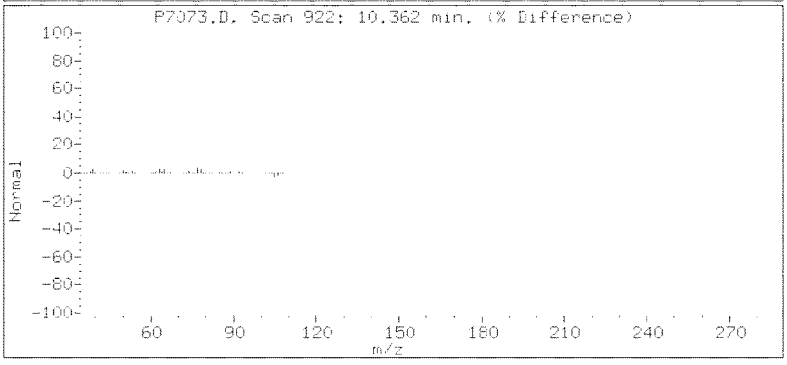












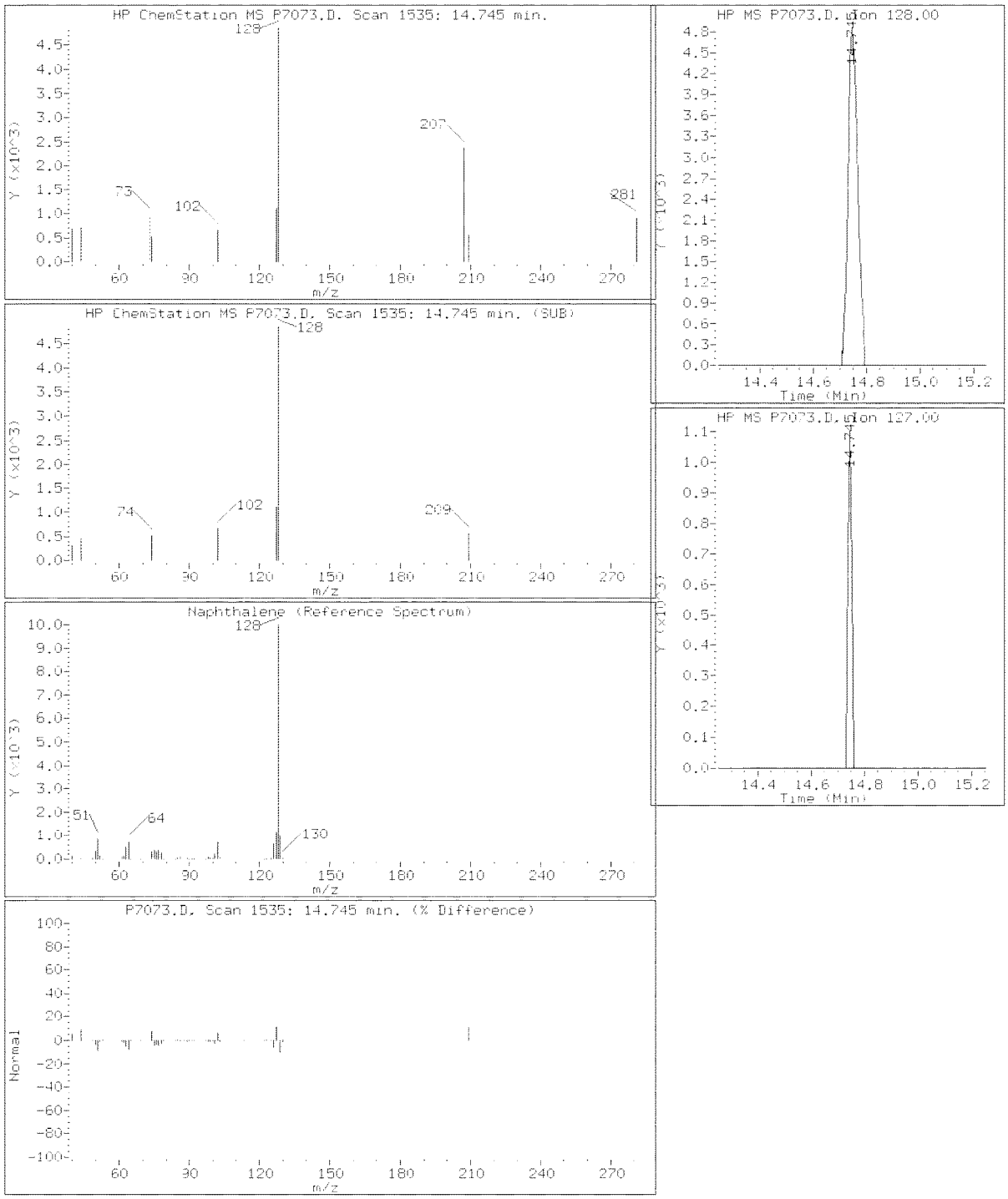
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

132 Naphthalene



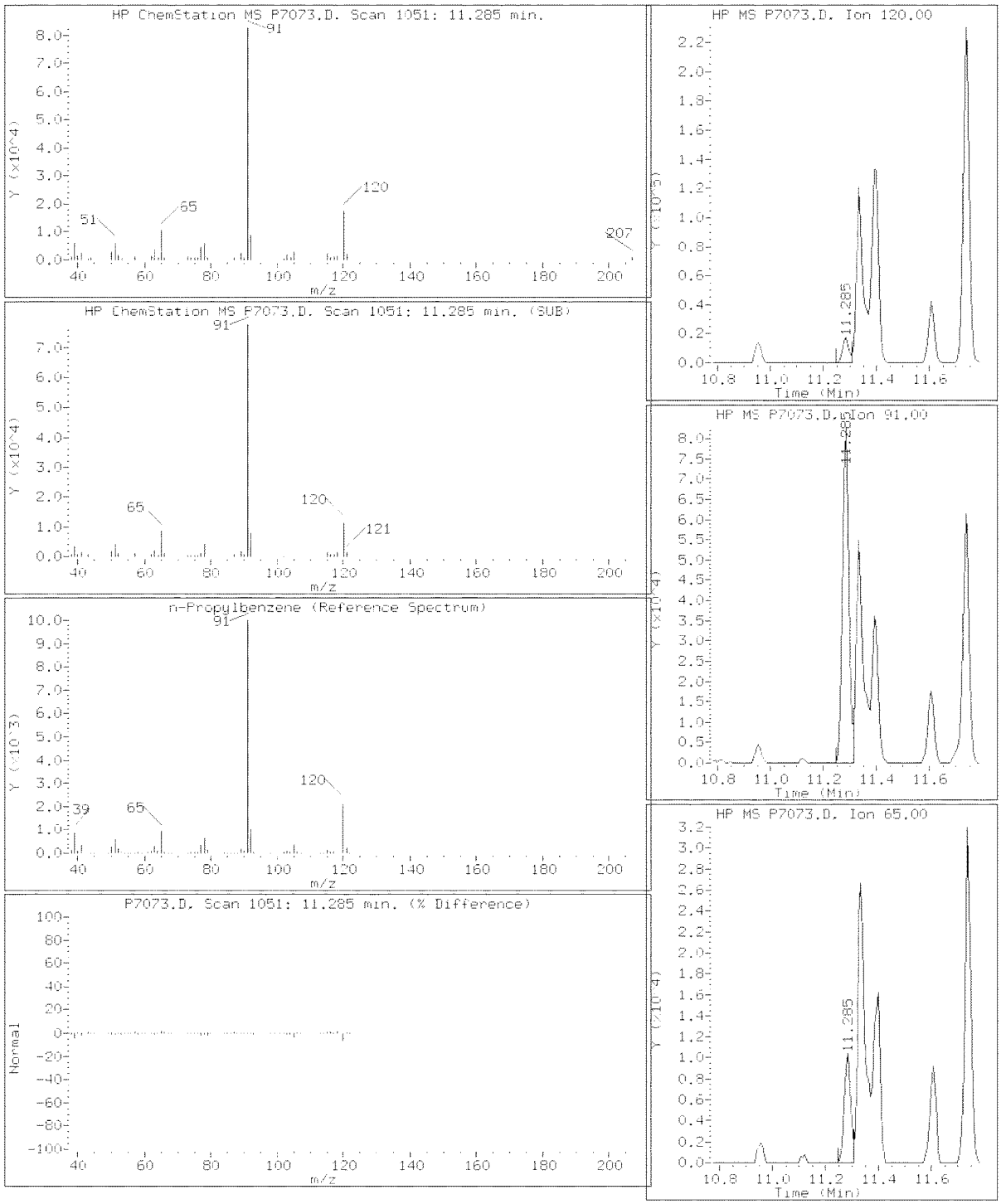
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

111 n-Propylbenzene



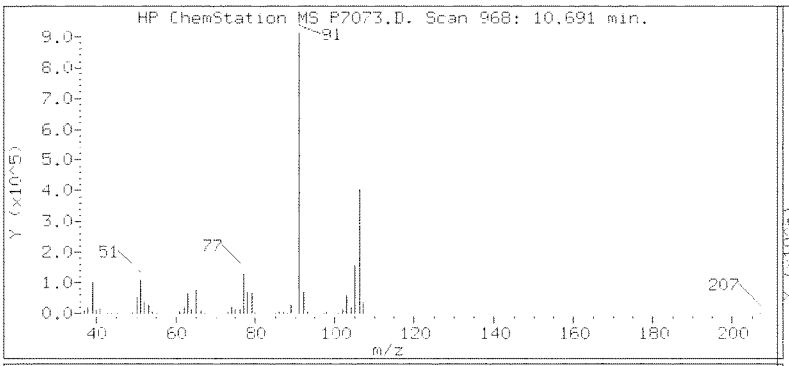
Data File: P7073.D

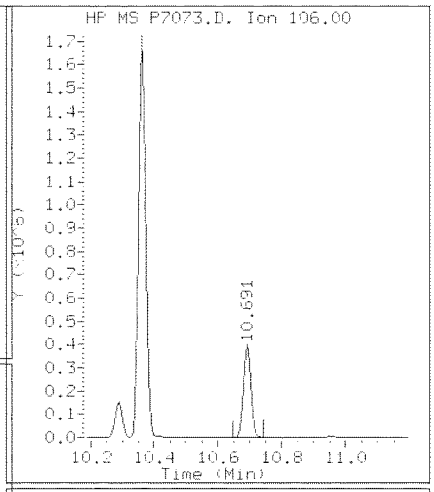
Date: 27-APR-2012 12:59

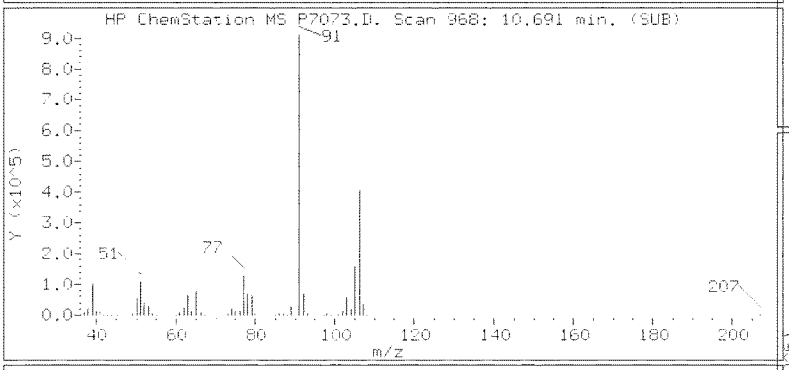
Client ID: MW02 Instrument: P.i

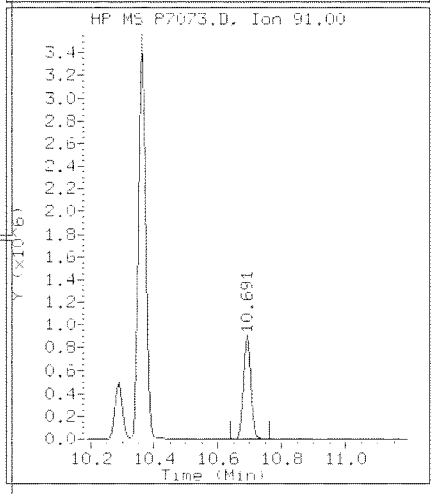
Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

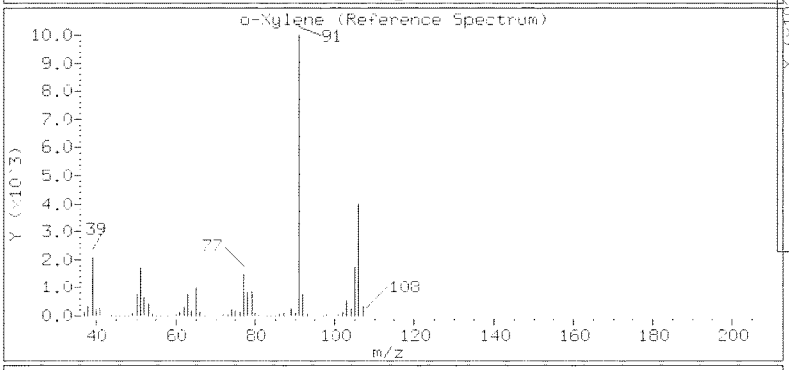
102 o-Xylene

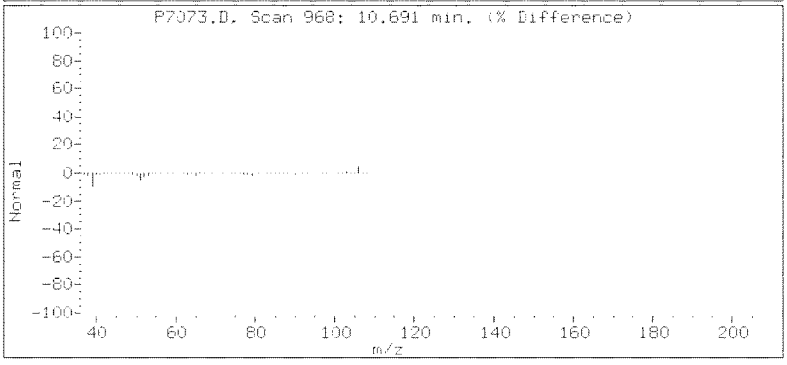












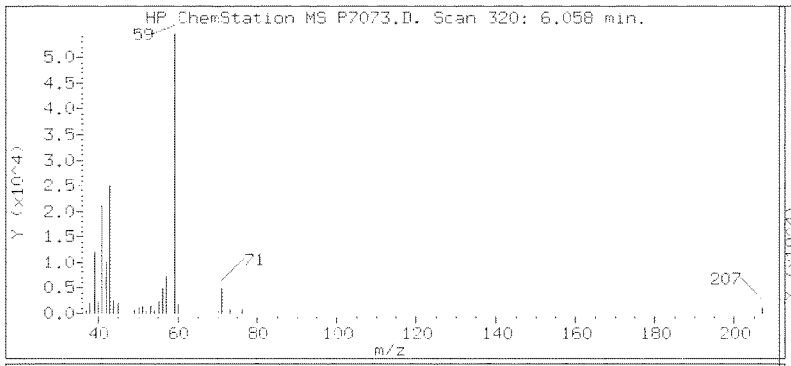
Data File: P7073.D

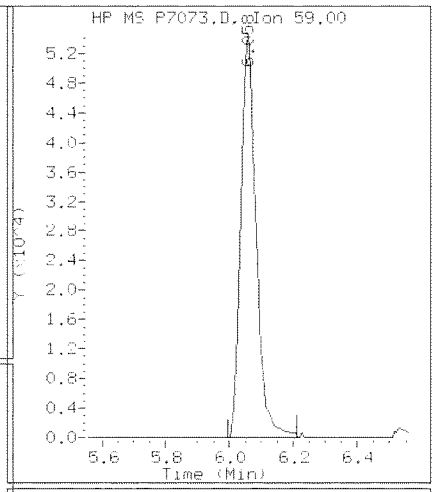
Date: 27-APR-2012 12:59

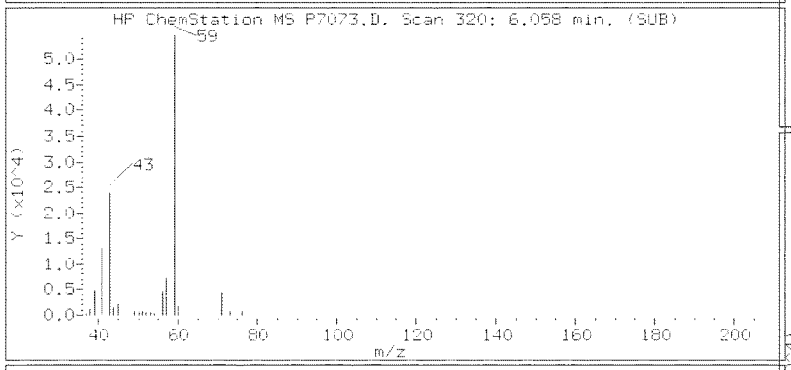
Client ID: MW02 Instrument: P.i

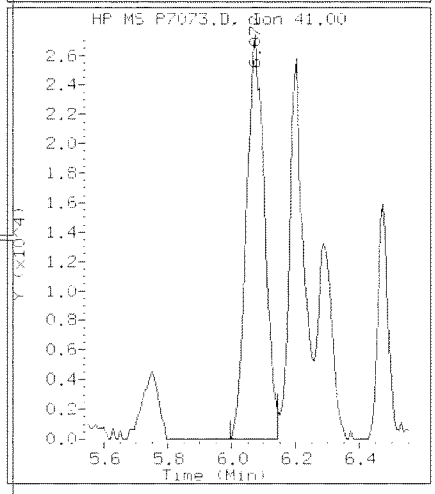
Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

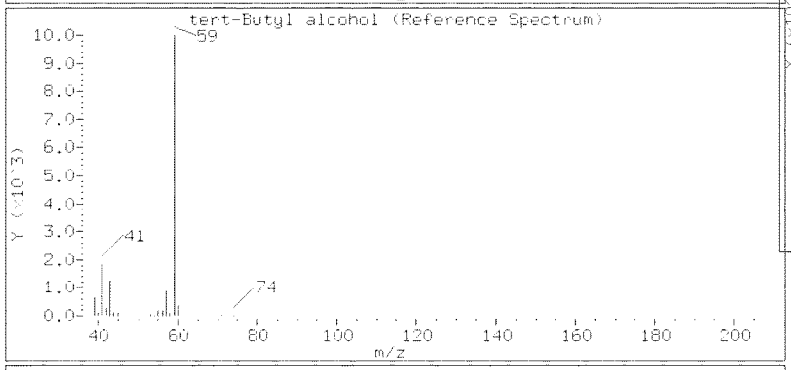
30 tert-Butyl alcohol

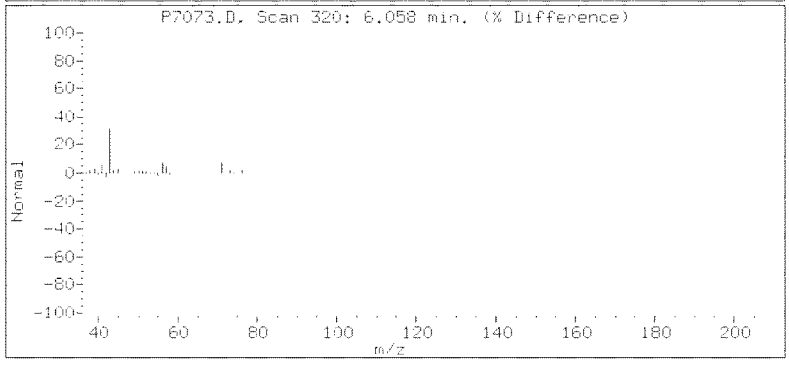












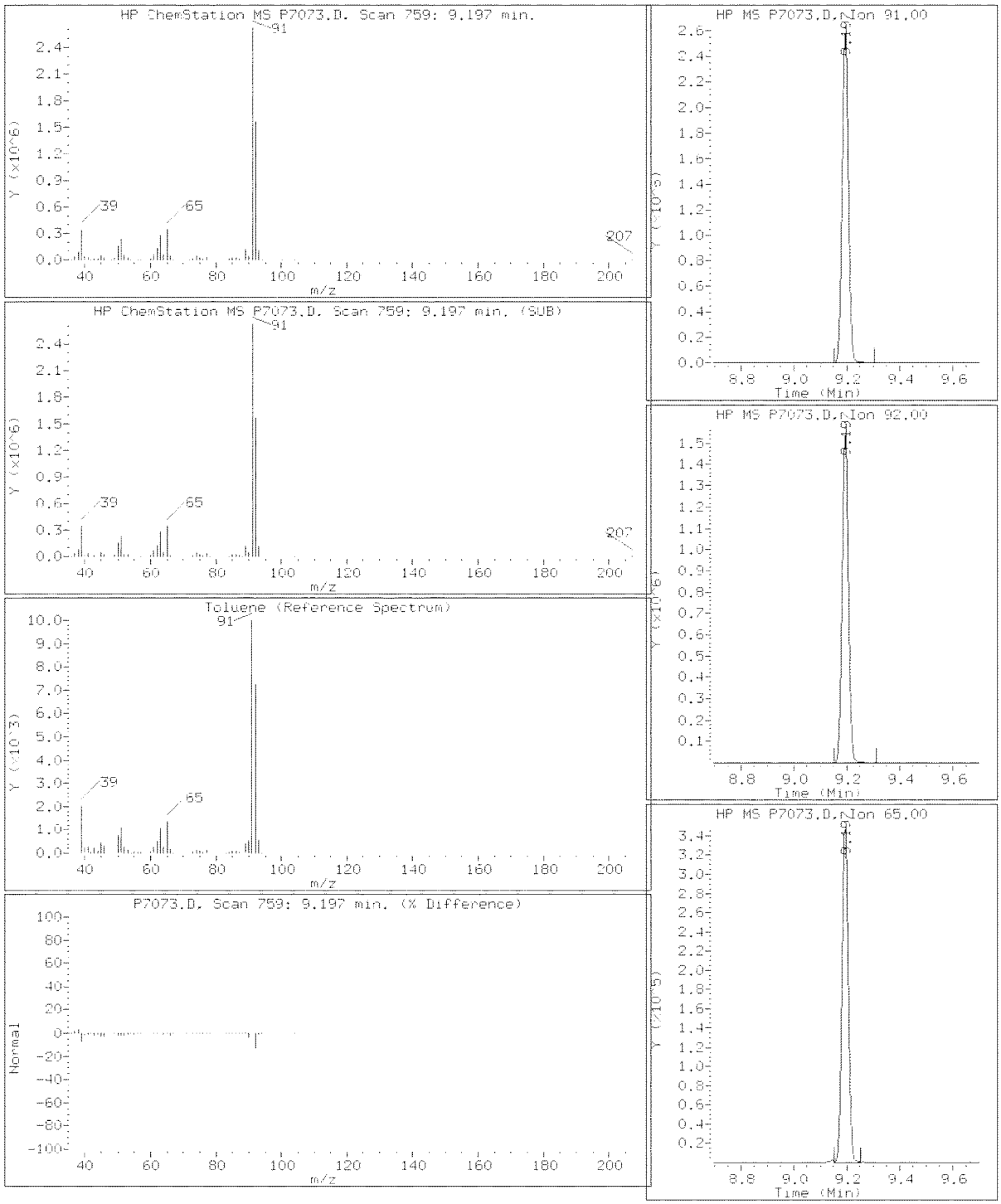
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

85 Toluene



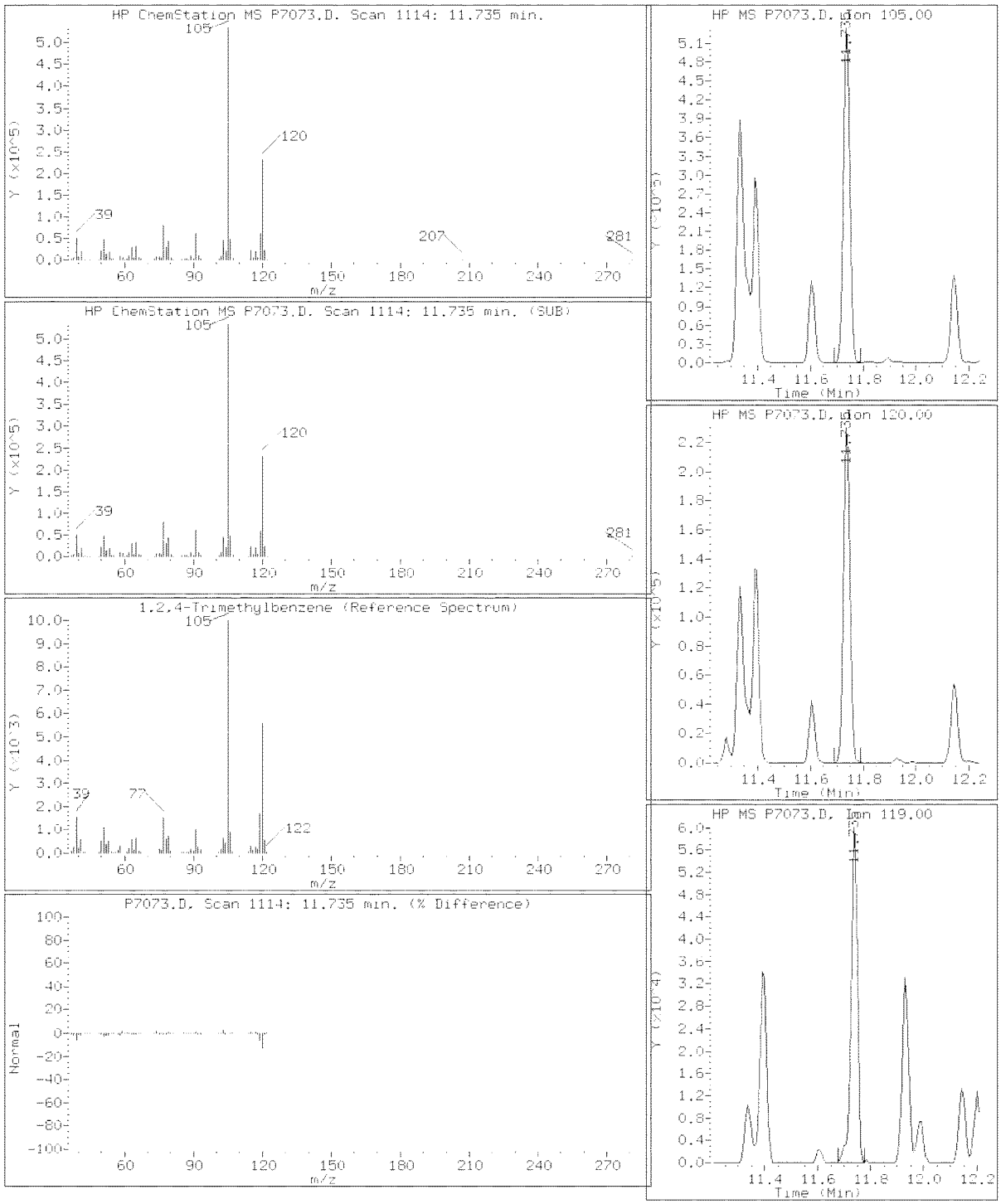
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

117 1,2,4-Trimethylbenzene



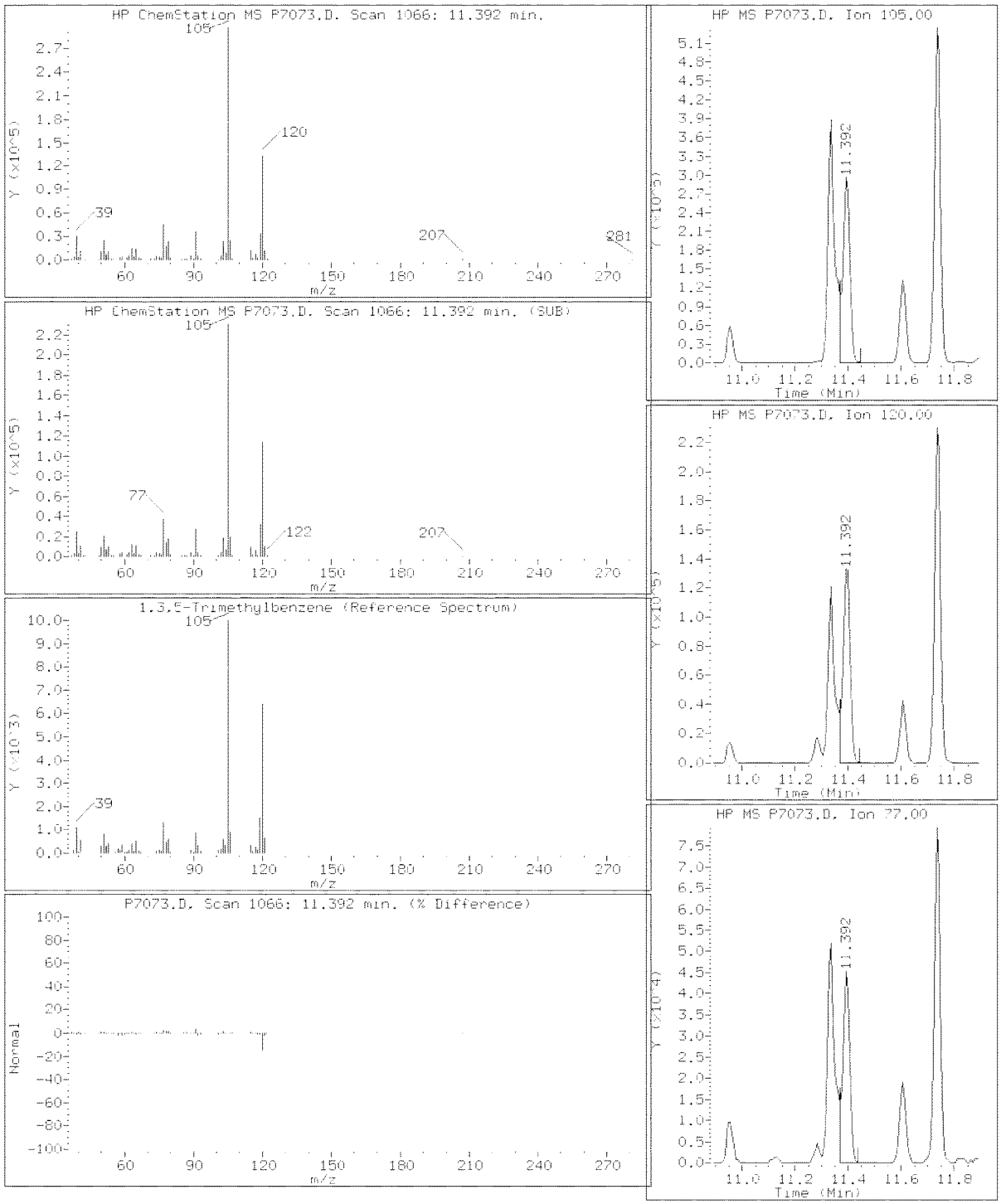
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

113 1,3,5-Trimethylbenzene



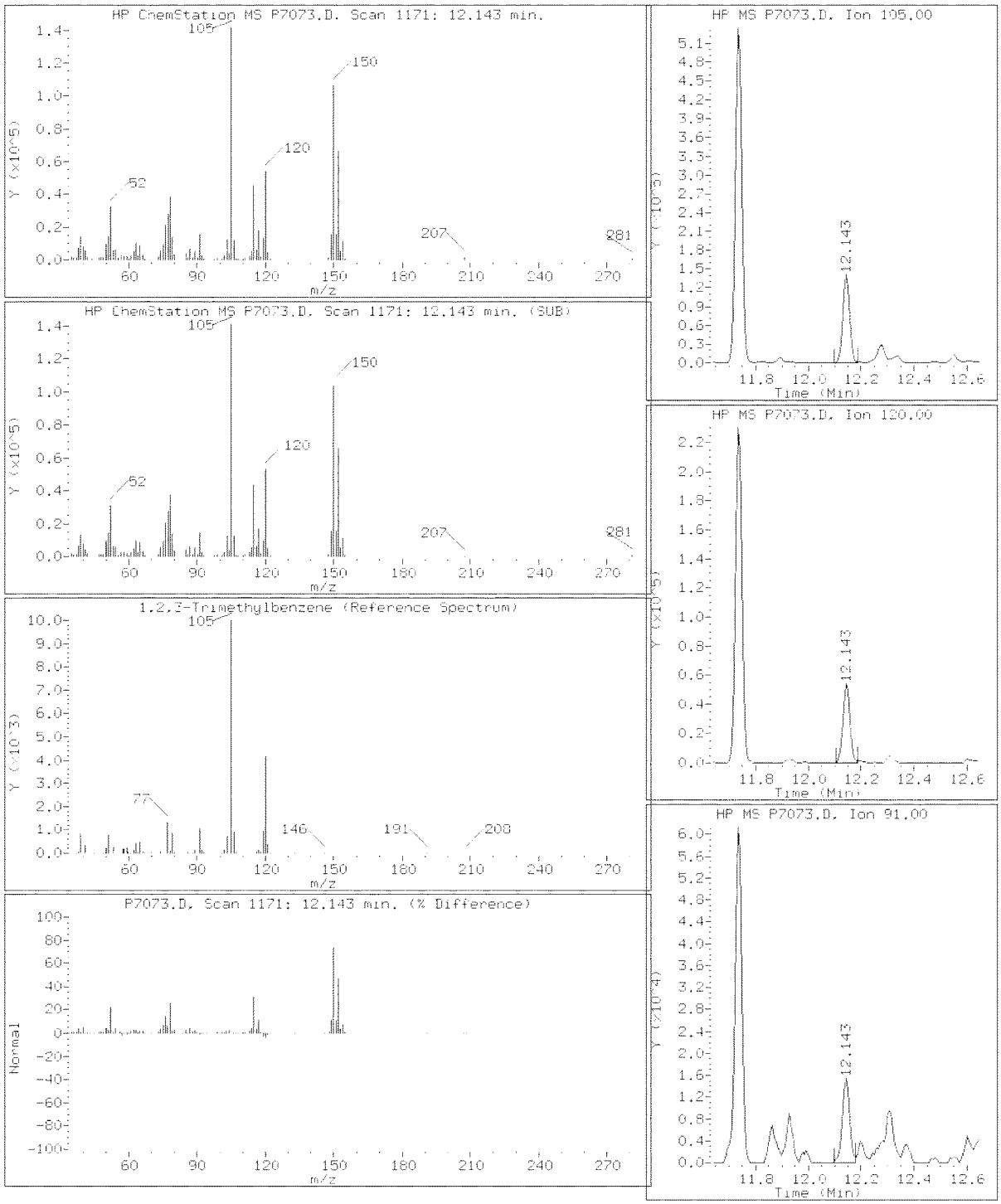
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

124 1,2,3-Trimethylbenzene



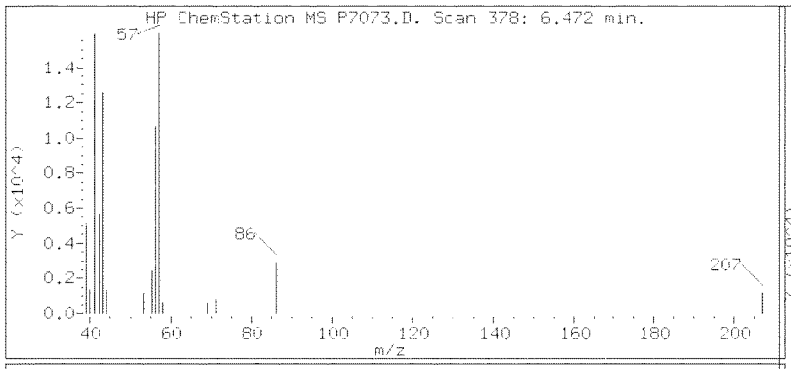
Data File: P7073.D

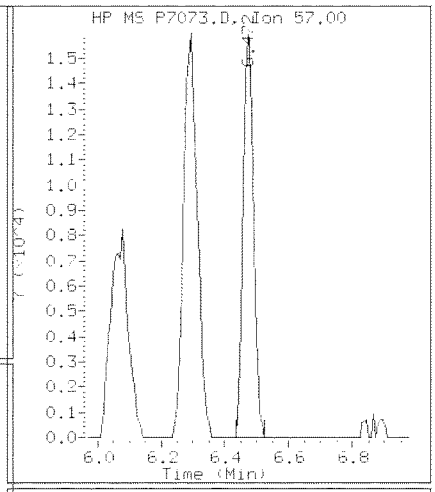
Date: 27-APR-2012 12:59

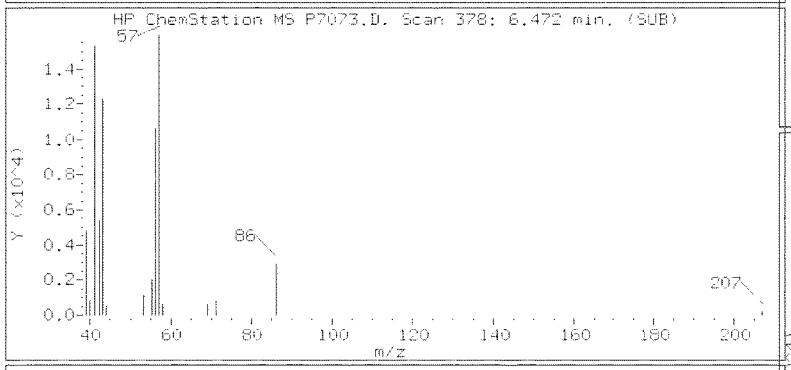
Client ID: MW02 Instrument: P.i

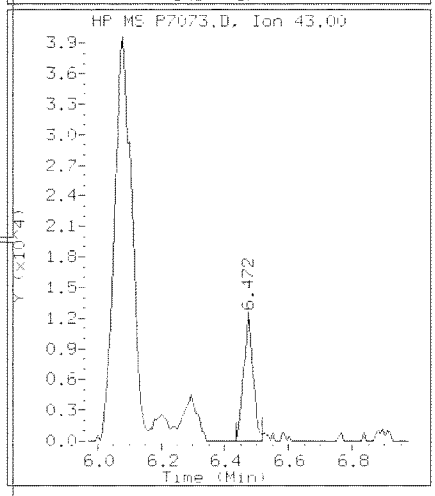
Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

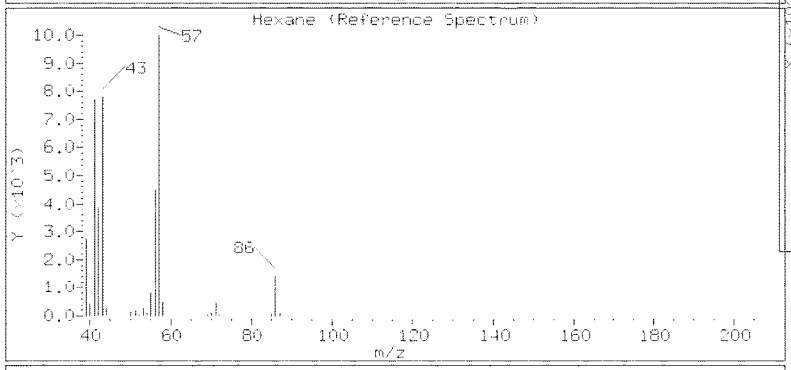
40 Hexane

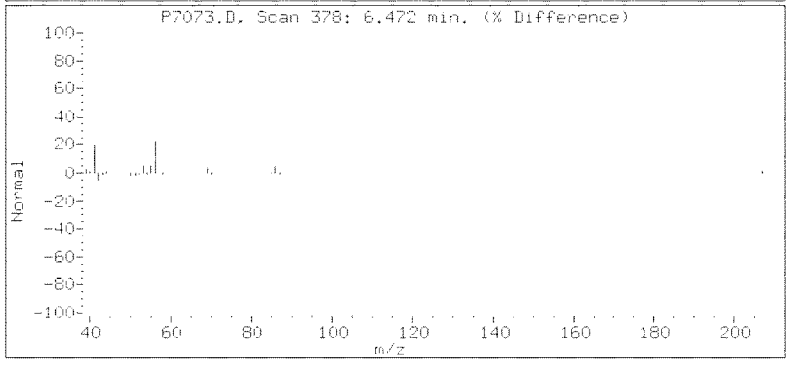












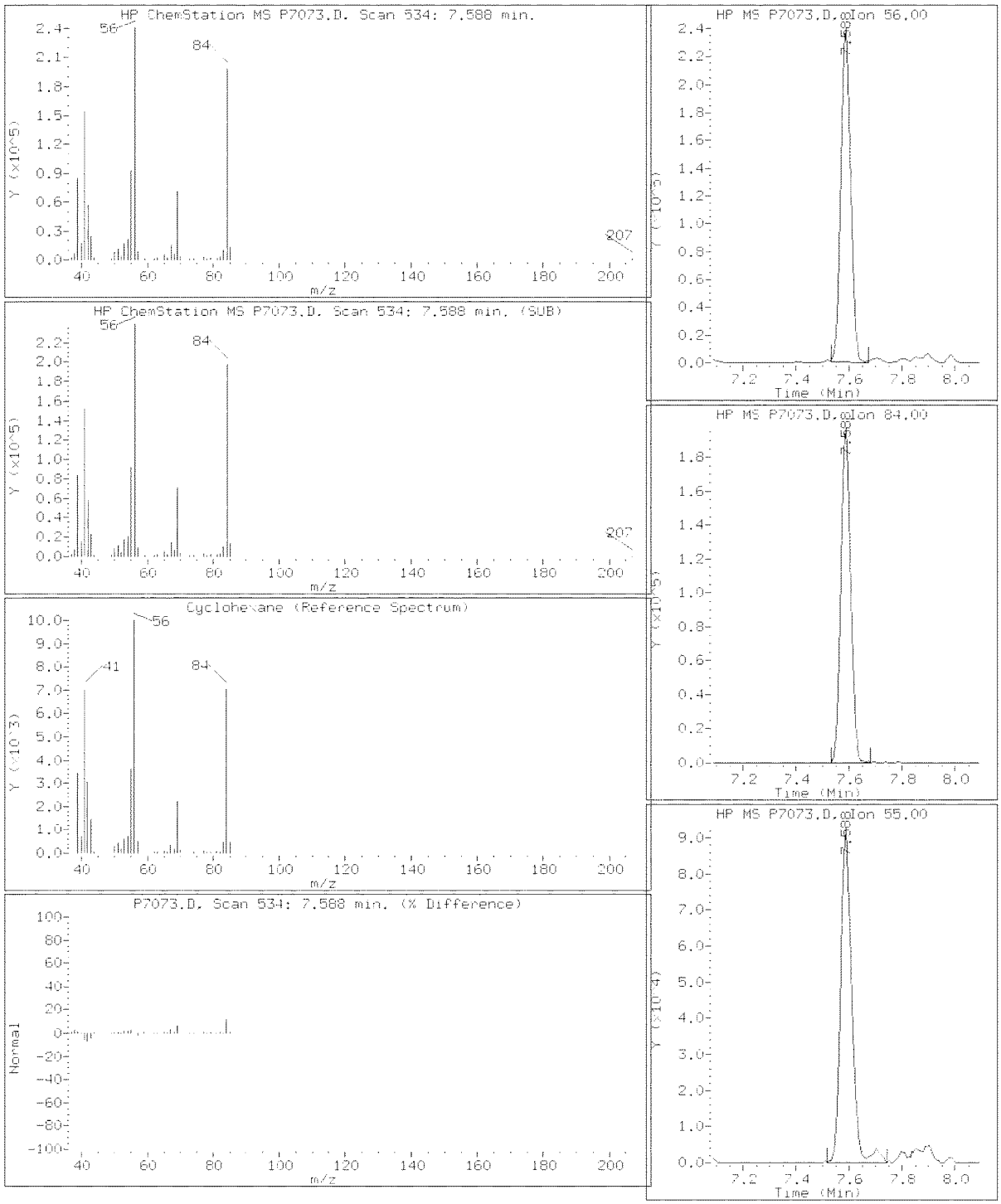
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

62 Cyclohexane



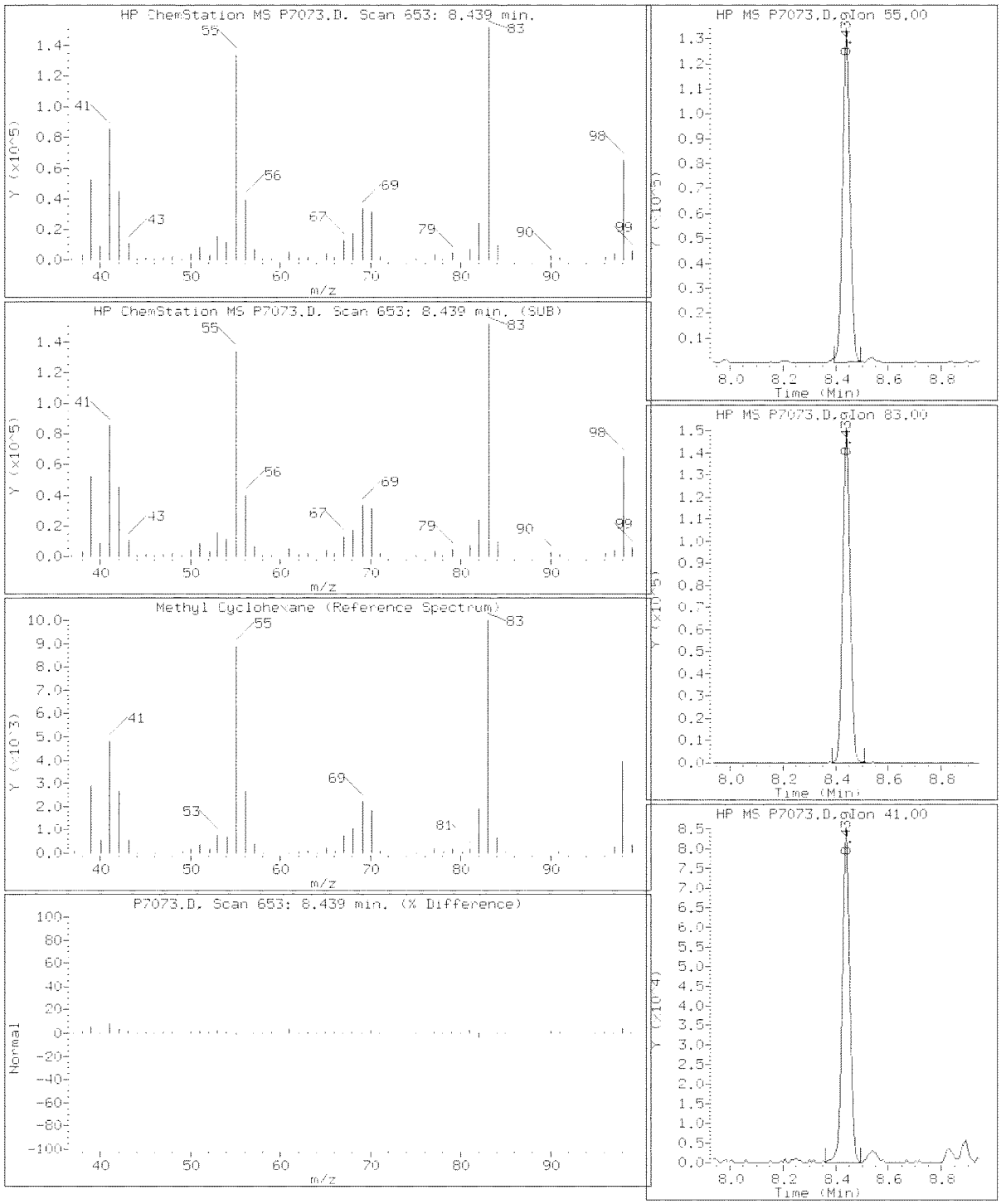
Data File: P7073.D

Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

76 Methyl Cyclohexane



Data File: P7073.D

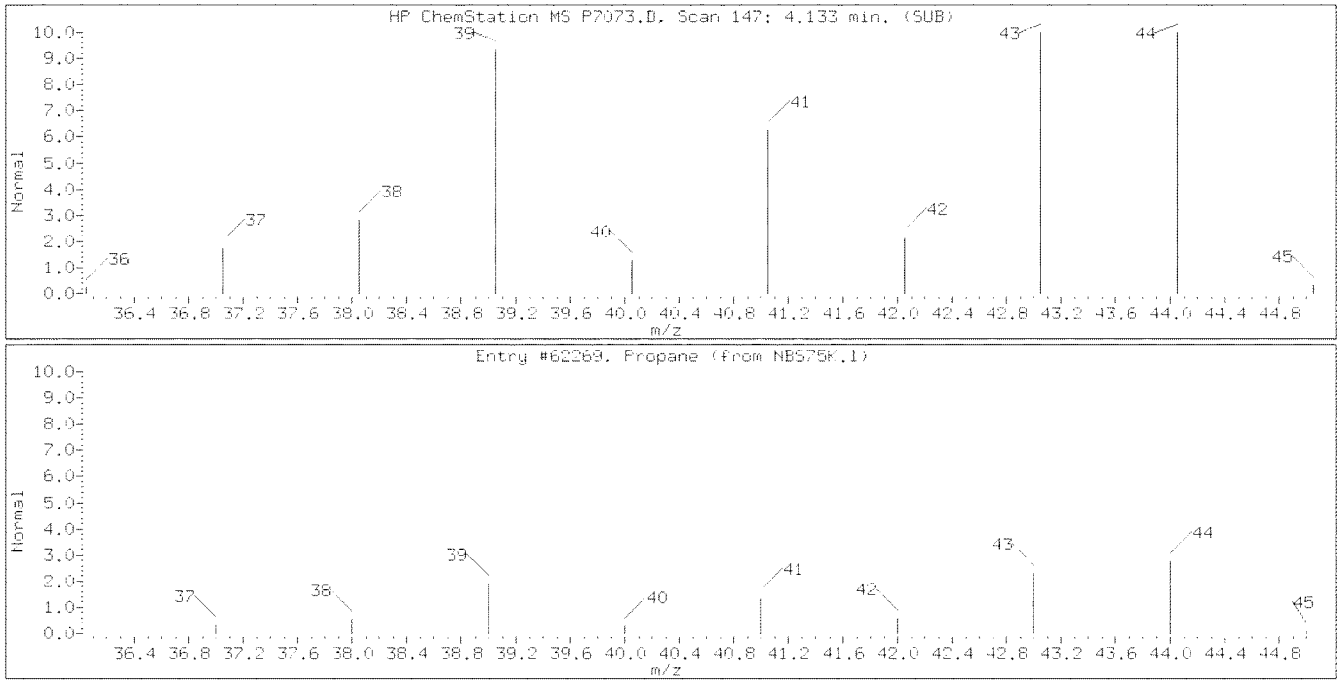
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 4.13

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propane	74-98-6	NBS75K.1	62269	83	C3H8	44



Data File: P7073.D

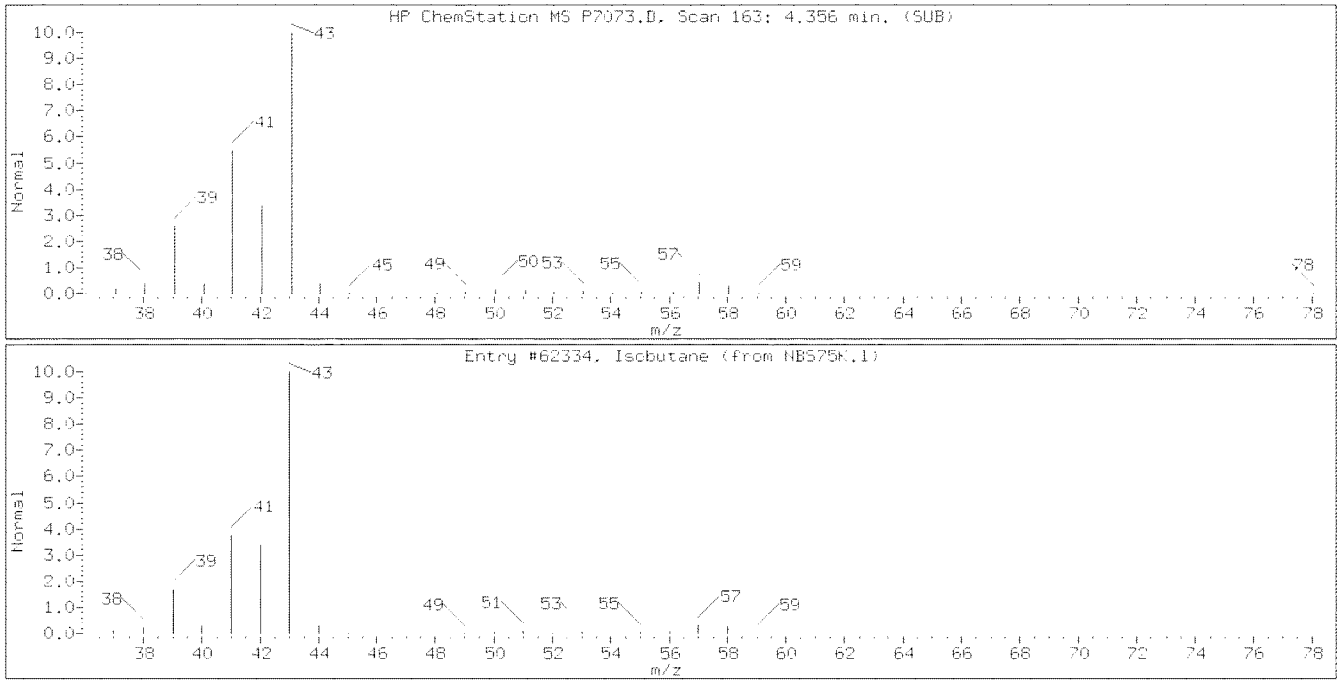
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 4.36

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isobutane	75-28-5	NBS75K.1	62334	80	C4H10	58



Data File: P7073.D

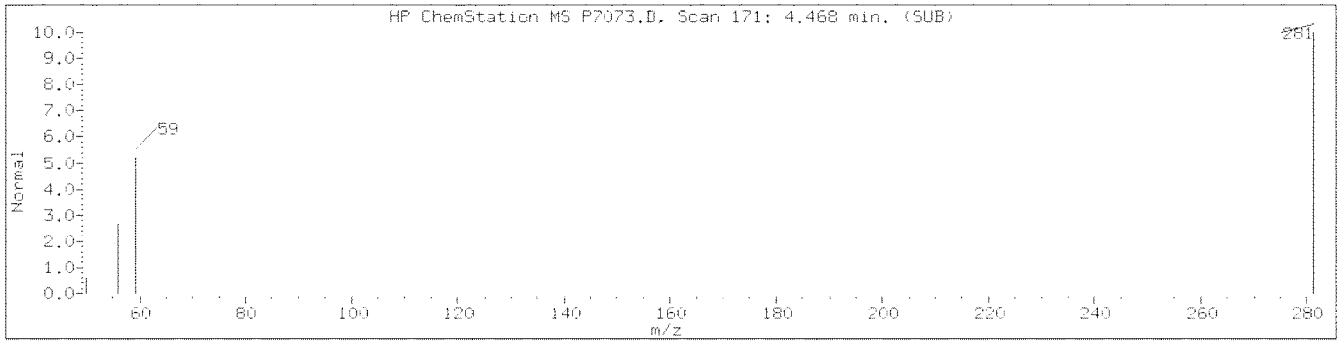
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 4.47

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: P7073.D

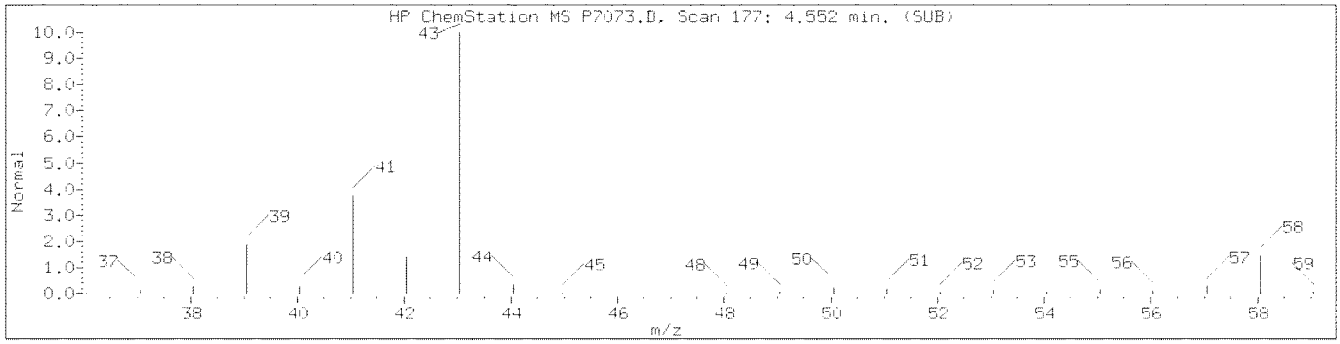
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 4.55

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: P7073.D

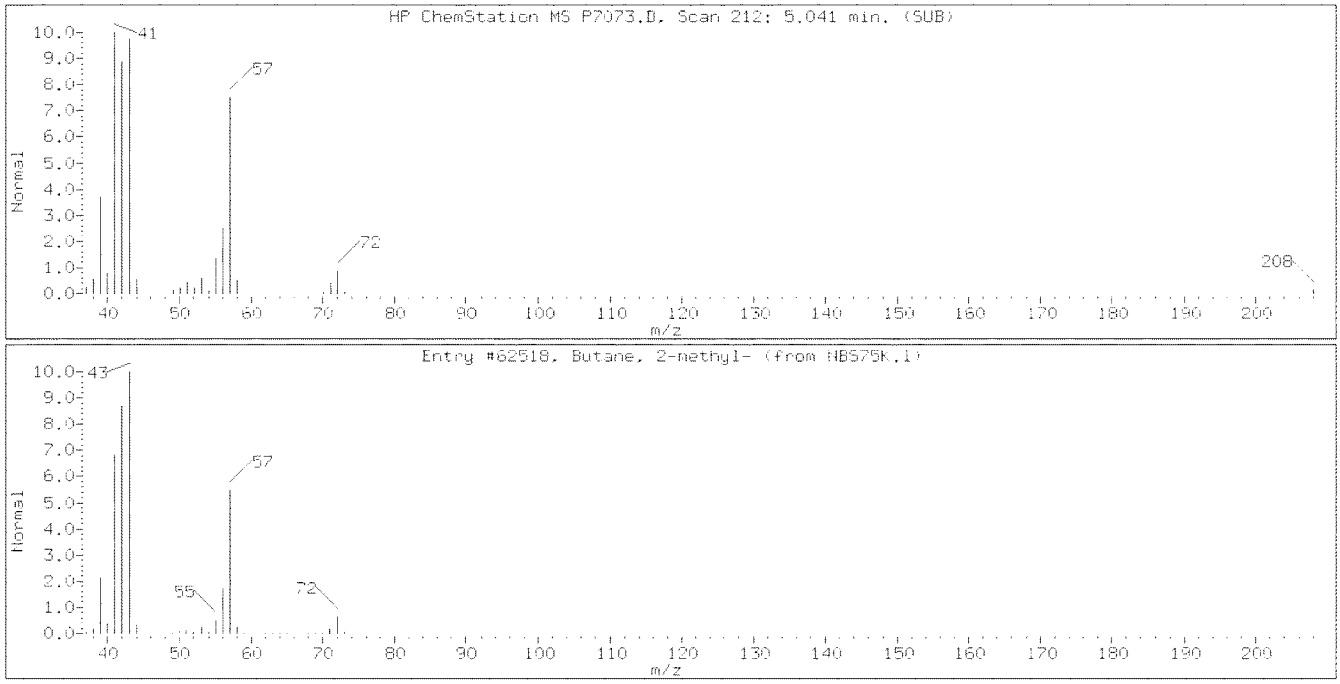
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 5.04

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NBS75K.1	62518	86	C5H12	72



Data File: P7073.D

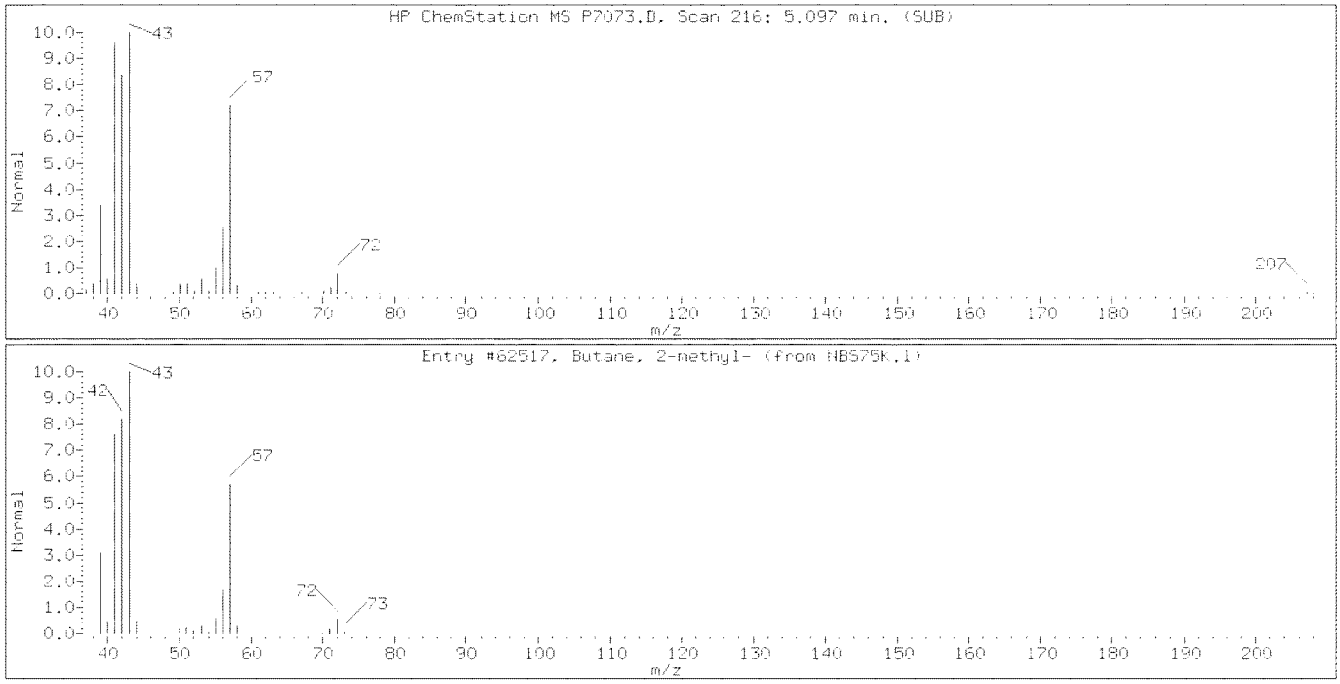
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 5.10

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NBS75K.1	62517	86	C5H12	72



Data File: P7073.D

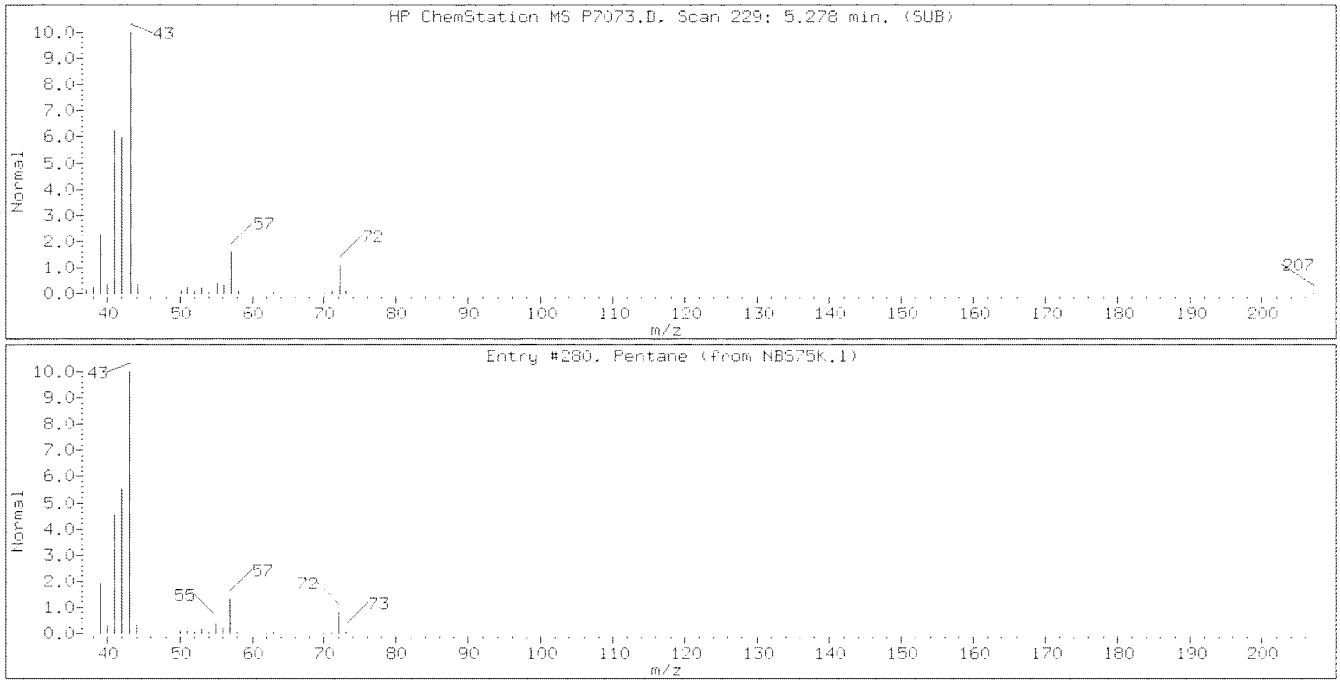
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 5.28

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane	109-66-0	NBS75K.l	280	90	C5H12	72



Data File: P7073.D

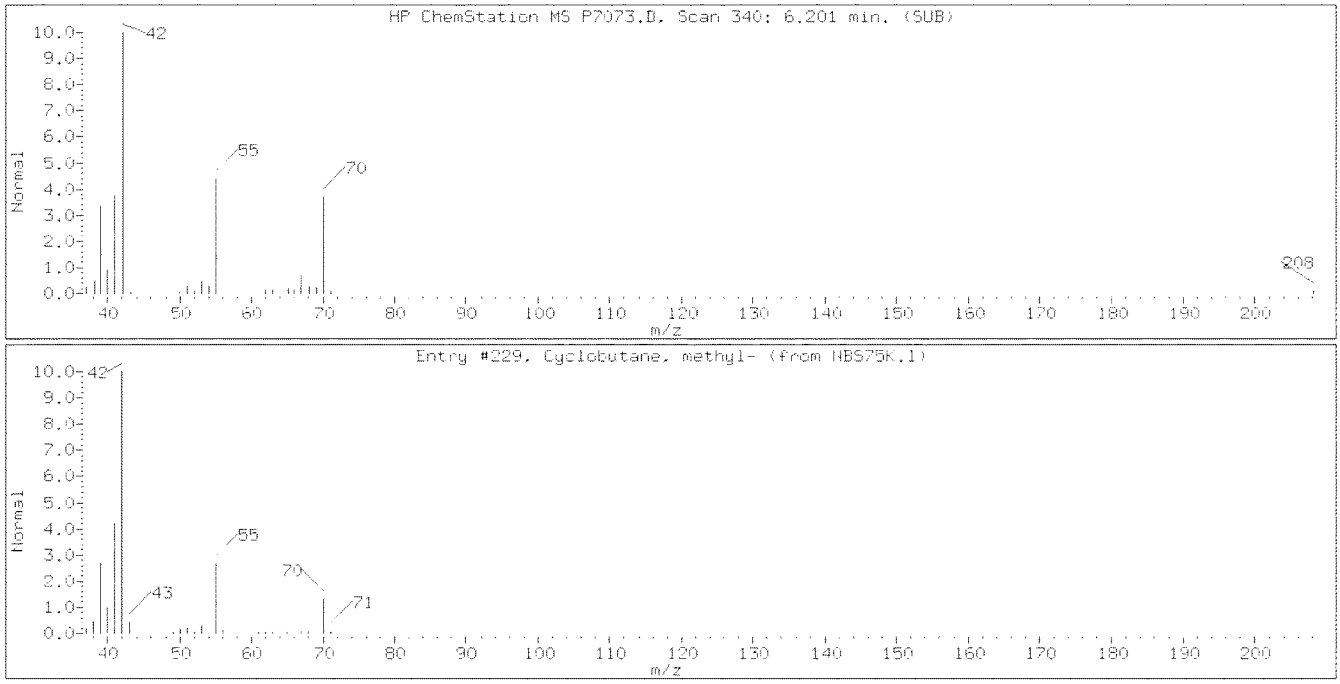
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 6.20

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclobutane, methyl-	598-61-8	NBS75K.l	229	86	C5H10	70



Data File: P7073.D

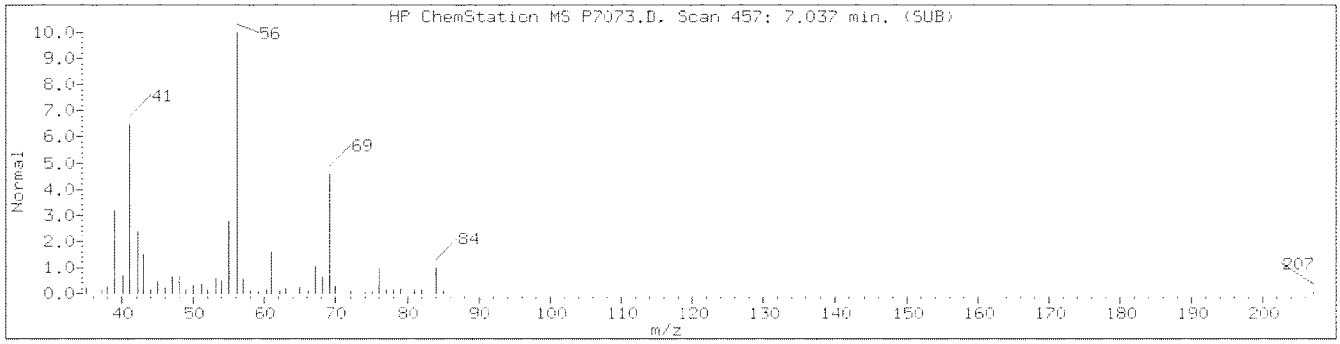
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 7.04

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: P7073.D

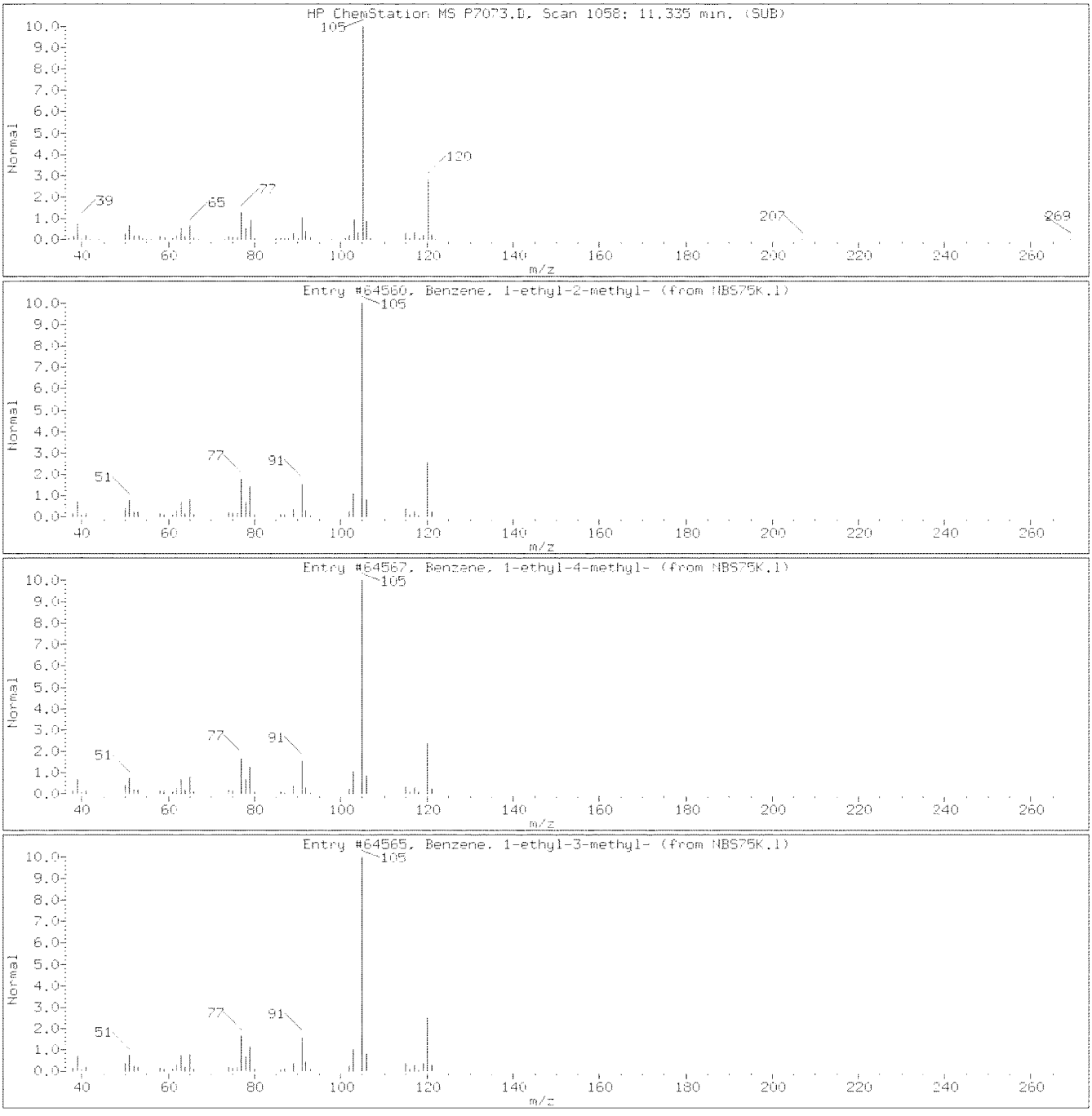
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 11.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64560	94	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	64567	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.1	64565	94	C9H12	120



Data File: P7073.D

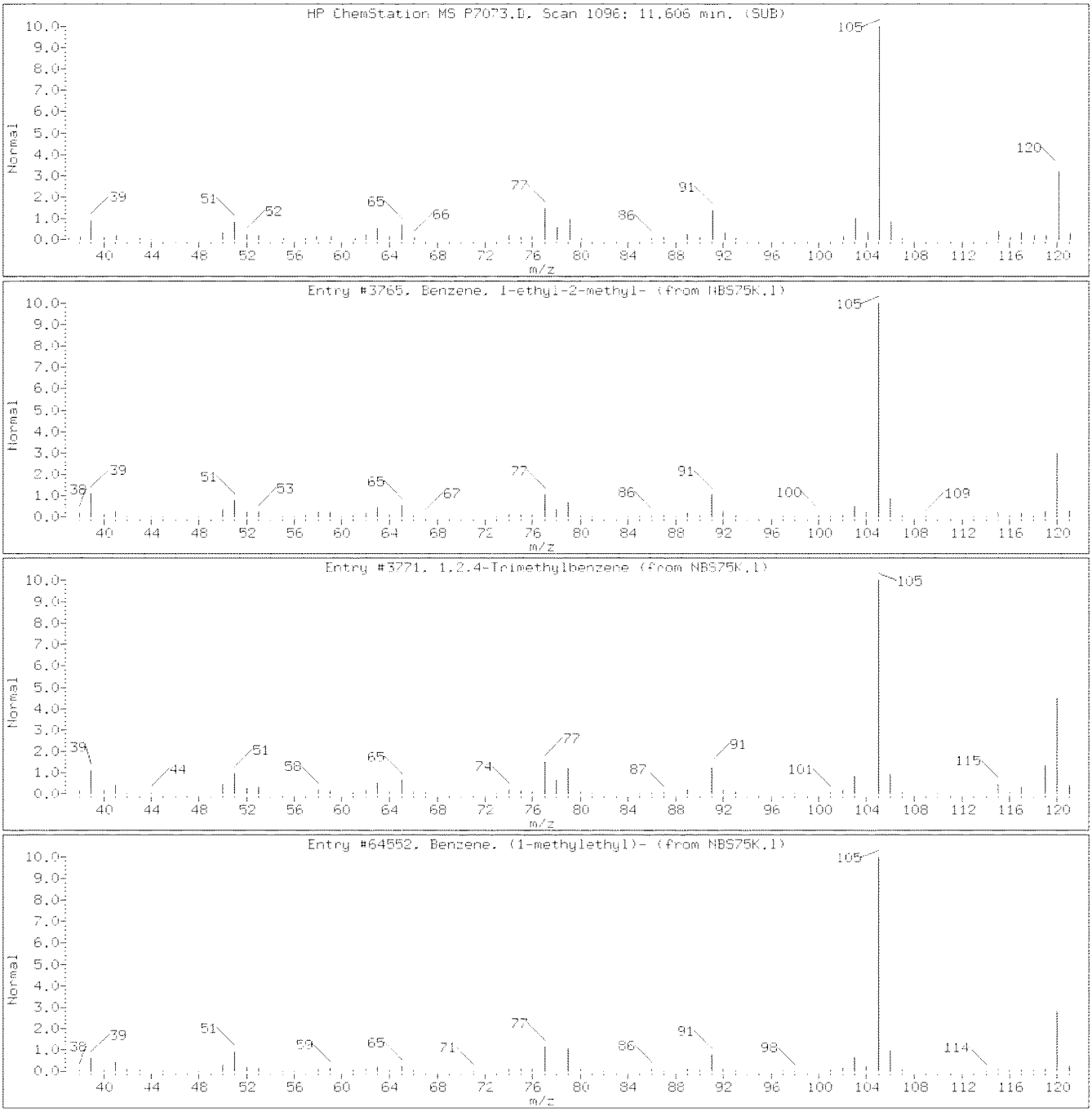
Date: 27-APR-2012 12:59

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-w-1,1,PH<2 Operator: MEIERG

Retention Time: 11.61

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	3765	94	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	93	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.1	64552	91	C9H12	120



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 (UNPRESERVED) | Lab Sample ID: 280-28076-2

Matrix: Water | Lab File ID: P7072.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	450		200	38
107-13-1	Acrylonitrile	ND		400	28
71-43-2	Benzene	260		20	3.2
108-86-1	Bromobenzene	ND		20	3.4
74-97-5	Bromochloromethane	ND		20	2.0
75-27-4	Bromodichloromethane	ND		20	3.4
75-25-2	Bromoform	ND		20	3.8
74-83-9	Bromomethane	ND		40	4.2
71-36-3	n-Butanol	ND		1200	340
78-93-3	2-Butanone (MEK)	ND		120	40
75-65-0	tert-Butyl alcohol	6300		1000	220
104-51-8	n-Butylbenzene	ND		20	6.4
135-98-8	sec-Butylbenzene	ND		20	3.4
98-06-6	tert-Butylbenzene	ND		20	3.2
75-15-0	Carbon disulfide	ND		40	9.0
56-23-5	Carbon tetrachloride	ND		20	3.8
108-90-7	Chlorobenzene	ND		20	3.4
124-48-1	Chlorodibromomethane	ND		20	3.4
75-00-3	Chloroethane	ND		40	8.2
67-66-3	Chloroform	ND		20	3.2
74-87-3	Chloromethane	ND		40	6.0
107-05-1	Allyl chloride	ND		40	3.4
95-49-8	2-Chlorotoluene	ND		20	3.4
106-43-4	4-Chlorotoluene	ND		20	4.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	9.4
74-95-3	Dibromomethane	ND		20	3.4
95-50-1	1,2-Dichlorobenzene	ND		20	3.0
541-73-1	1,3-Dichlorobenzene	ND		20	2.6
106-46-7	1,4-Dichlorobenzene	ND		20	3.2
75-71-8	Dichlorodifluoromethane	ND		40	6.2
75-34-3	1,1-Dichloroethane	ND		20	4.4
107-06-2	1,2-Dichloroethane	ND		20	2.6
156-59-2	cis-1,2-Dichloroethene	ND		20	3.0
156-60-5	trans-1,2-Dichloroethene	ND		20	3.0
75-35-4	1,1-Dichloroethene	ND		20	4.6
78-87-5	1,2-Dichloropropane	ND		20	3.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: MW02 (UNPRESERVED) | Lab Sample ID: 280-28076-2
Matrix: Water | Lab File ID: P7072.D
Analysis Method: 8260B | Date Collected: 04/22/2012 15:45
Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:39
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
142-28-9	1,3-Dichloropropane	ND		20	4.4
594-20-7	2,2-Dichloropropane	ND		20	3.6
10061-01-5	cis-1,3-Dichloropropene	ND		20	3.2
10061-02-6	trans-1,3-Dichloropropene	ND		60	3.8
563-58-6	1,1-Dichloropropene	ND		20	3.8
64-17-5	Ethanol	ND		6000	1900
994-05-8	Tert-amyl methyl ether	ND		100	28
637-92-3	Ethyl tert-butyl ether	ND		100	24
100-41-4	Ethylbenzene	100		20	3.2
60-29-7	Ethyl ether	ND		40	5.2
87-68-3	Hexachlorobutadiene	ND		20	7.2
591-78-6	2-Hexanone	ND		100	34
74-88-4	Iodomethane	ND		20	4.6
78-83-1	Isobutanol	ND		2200	730
67-63-0	Isopropanol	ND		800	260
98-82-8	Isopropylbenzene	12	J	20	3.8
108-20-3	Diisopropyl ether	ND		200	15
99-87-6	p-Isopropyltoluene	ND		20	4.0
126-98-7	Methacrylonitrile	ND		200	32
75-09-2	Methylene Chloride	ND		40	6.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	20
1634-04-4	Methyl tert-butyl ether	ND		100	5.0
91-20-3	Naphthalene	7.9	J	20	4.4
103-65-1	N-Propylbenzene	12	J	20	3.2
100-42-5	Styrene	ND		20	3.4
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	4.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
127-18-4	Tetrachloroethene	ND		20	4.0
108-88-3	Toluene	710		20	3.4
87-61-6	1,2,3-Trichlorobenzene	ND		20	4.2
120-82-1	1,2,4-Trichlorobenzene	ND		20	4.2
71-55-6	1,1,1-Trichloroethane	ND		20	3.2
79-00-5	1,1,2-Trichloroethane	ND		20	5.4
79-01-6	Trichloroethene	ND		20	3.2
75-69-4	Trichlorofluoromethane	ND		40	5.8
96-18-4	1,2,3-Trichloropropane	ND		50	6.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 (UNPRESERVED) | Lab Sample ID: 280-28076-2

Matrix: Water | Lab File ID: P7072.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	46		40	5.4
95-63-6	1,2,4-Trimethylbenzene	150		20	3.0
108-67-8	1,3,5-Trimethylbenzene	91		20	3.2
75-01-4	Vinyl chloride	ND		20	2.0
179601-23-1	m-Xylene & p-Xylene	1000		40	6.8
95-47-6	o-Xylene	250		20	3.8
1330-20-7	Xylenes, Total	1300		40	3.8
106-93-4	1,2-Dibromoethane	ND		20	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-127
2037-26-5	Toluene-d8 (Surr)	94		80-125
460-00-4	4-Bromofluorobenzene (Surr)	90		78-120
1868-53-7	Dibromofluoromethane (Surr)	96		77-120

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

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 (UNPRESERVED) | Lab Sample ID: 280-28076-2

Matrix: Water | Lab File ID: P7072.D

Analysis Method: 8260B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 1(mL) | Date Analyzed: 04/27/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

Number TICs Found: 14 | TIC Result Total: 4354

CAS NO.	COMPOUND NAME	RT	RESULT	Q
74-98-6	Propane	4.13	1200	T J N
75-28-5	Isobutane	4.37	1200	T J N
106-97-8	Butane	4.55	680	T J N
78-78-4	Butane, 2-methyl-	5.06	120	T J N
	Unknown Alkane	5.11	290	T J N
109-66-0	Pentane	5.29	140	T J N
109-67-1	1-Pentene	6.20	55	T J N
110-54-3	Hexane	6.47	18	J
	Unknown	7.04	98	T J
110-82-7	Cyclohexane	7.59	210	
108-87-2	Methylcyclohexane	8.44	100	
	Benzene, ethyl-methyl-	11.33	170	T J N
	Benzene, ethyl-methyl-	11.61	48	T J N
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	12.31	25	T J N

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7072.D
Lab Smp Id: 280-28076-AG-1 Client Smp ID: MW02
Inj Date : 27-APR-2012 12:39
Operator : MEIERG Inst ID: P.i
Smp Info : 280-28076-ag-1,1,PH=7
Misc Info : 280-28076-AG-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	1.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70	Fluorobenzene	96	7.988	7.988	(1.000)	1226960	12.5000		
* 96	Chlorobenzene-d5	119	10.240	10.240	(1.000)	243084	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	336181	12.5000		(Q)
$ 59	Dibromofluoromethane (Surr)	111	7.437	7.438	(0.931)	285568	11.9941	239.881	
$ 65	1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	315671	11.8359	236.717	
$ 84	Toluene-d8	98	9.146	9.146	(0.893)	1253913	11.7005	234.011	
$ 107	4-Bromofluorobenzene (Surr)	95	11.120	11.127	(0.917)	382560	11.1891	223.781	
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.						
M 2	Xylene (total)	106				3455239	62.5151	1250.30	
5	dichlorodifluoromethane	85	Compound Not Detected.						
6	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7	Chloromethane	50	Compound Not Detected.						
8	Vinyl Chloride	62	Compound Not Detected.						
9	Ethylene Oxide	43	Compound Not Detected.						
10	Bromomethane	94	Compound Not Detected.						
11	Chloroethane	64	Compound Not Detected.						
12	Dichlorofluoromethane	67	Compound Not Detected.						
14	Trichlorofluoromethane	101	Compound Not Detected.						
13	Ethanol	45	Compound Not Detected.						
15	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17	Ethyl Ether	59	Compound Not Detected.						
16	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
19 Acrolein	56	Compound Not Detected.					
20 Acetone	43	5.721	5.714	(0.716)	62304	22.7128	454.255
21 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 2-propanol	45	Compound Not Detected.					
23 1,1-Dichloroethene	96	Compound Not Detected.					
27 Iodomethane	142	Compound Not Detected.					
26 Acetonitrile	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
31 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
30 tert-Butyl alcohol	59	6.064	6.065	(0.759)	182089	314.541	6290.81
33 Methylene Chloride	84	Compound Not Detected.					
34 Acrylonitrile	53	Compound Not Detected.					
35 Methyl t-butyl ether	73	Compound Not Detected.					
36 trans-1,2-Dichloroethene	96	Compound Not Detected.					
40 Hexane	57	6.472	6.479	(0.632)	49569	0.88968	17.7936(a)
42 Vinyl acetate	43	Compound Not Detected.					
43 sec-Butyl Alcohol	45	Compound Not Detected.					
44 Isopropyl ether	87	Compound Not Detected.					
45 1,1-Dichloroethane	63	Compound Not Detected.					
47 Chloroprene	53	Compound Not Detected.					
49 ETBE	59	Compound Not Detected.					
51 2-Butanone	43	Compound Not Detected.					
50 Ethyl Acetate	43	Compound Not Detected.					
53 cis-1,2-Dichloroethene	96	Compound Not Detected.					
52 Propionitrile	54	Compound Not Detected.					
54 2,2-Dichloropropane	77	Compound Not Detected.					
55 Methacrylonitrile	41	Compound Not Detected.					
56 Bromochloromethane	128	Compound Not Detected.					
57 Chloroform	83	Compound Not Detected.					
58 Tetrahydrofuran	42	Compound Not Detected.					
61 1,1,1-Trichloroethane	97	Compound Not Detected.					
60 Isobutanol	41	Compound Not Detected.					
62 Cyclohexane	56	7.587	7.588	(0.950)	639569	10.4490	208.981
63 1,1-Dichloropropene	75	Compound Not Detected.					
64 Carbon Tetrachloride	117	Compound Not Detected.					
66 1,2-Dichloroethane	62	Compound Not Detected.					
68 Benzene	78	7.809	7.816	(0.978)	1516835	12.9618	259.236
67 TAME	73	Compound Not Detected.					
69 n-Butanol	56	Compound Not Detected.					
72 Trichloroethene	130	Compound Not Detected.					
73 2-Pentanone	43	Compound Not Detected.					
74 Methyl Methacrylate	100	Compound Not Detected.					
75 1,2-Dichloropropane	63	Compound Not Detected.					
76 Methyl Cyclohexane	55	8.438	8.439	(1.056)	283179	5.24869	104.974
77 1,4-Dioxane	88	Compound Not Detected.					
78 Dibromomethane	93	Compound Not Detected.					
79 Bromodichloromethane	83	Compound Not Detected.					
80 2-nitropropane	41	Compound Not Detected.					
81 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
82 cis-1,3-Dichloropropene	75	Compound Not Detected.					
83 4-Methyl-2-pentanone	43	Compound Not Detected.					
85 Toluene	91	9.196	9.196	(1.151)	4370136	35.6797	713.593
87 trans-1,3-Dichloropropene	75	Compound Not Detected.					

EPAPAV0011563

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
86 Ethyl methacrylate	69	Compound Not Detected.					
88 1,1,2-Trichloroethane	97	Compound Not Detected.					
89 2-Hexanone	43	Compound Not Detected.					
90 1,3-Dichloropropane	76	Compound Not Detected.					
91 Tetrachloroethene	164	Compound Not Detected.					
92 Dibromochloromethane	129	Compound Not Detected.					
93 Tetrahydrothiophene	60	Compound Not Detected.					
94 1,2-Dibromoethane	107	Compound Not Detected.					
95 1-Chlorohexane	91	Compound Not Detected.					
97 Chlorobenzene	112	Compound Not Detected.					
98 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
99 Ethylbenzene	106	10.290	10.290	(1.005)	243142	5.18771	103.754
100 m and p-Xylene	106	10.362	10.369	(1.012)	2811736	49.9303	998.605
102 o-Xylene	106	10.691	10.691	(1.044)	643503	12.5849	251.697
101 Styrene	104	Compound Not Detected.					
103 Bromoform	173	Compound Not Detected.					
104 isopropyl benzene	105	10.955	10.955	(0.903)	94652	0.60021	12.0043(a)
105 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
106 Cyclohexanone	55	Compound Not Detected.					
108 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
109 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
110 1,2,3-Trichloropropane	110	Compound Not Detected.					
112 Bromobenzene	156	Compound Not Detected.					
111 n-Propylbenzene	120	11.284	11.284	(0.930)	26721	0.61843	12.3687(a)
114 2-Chlorotoluene	126	Compound Not Detected.					
113 1,3,5-Trimethylbenzene	105	11.391	11.399	(0.939)	561947	4.56426	91.2851
115 4-Chlorotoluene	126	Compound Not Detected.					
116 tert-Butylbenzene	119	Compound Not Detected.					
117 1,2,4-Trimethylbenzene	105	11.734	11.735	(0.968)	899142	7.39508	147.902(Q)
119 sec-Butylbenzene	134	Compound Not Detected.					
120 4-Isopropyltoluene	119	Compound Not Detected.					
121 1,3-Dichlorobenzene	146	Compound Not Detected.					
123 1,4-dichlorobenzene	146	Compound Not Detected.					
124 1,2,3-Trimethylbenzene	105	12.142	12.149	(1.001)	246482	2.32082	46.4164
125 n-Butylbenzene	91	Compound Not Detected.					
127 1,2-Dichlorobenzene	146	Compound Not Detected.					
128 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
130 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
131 Hexachlorobutadiene	225	Compound Not Detected.					
132 Naphthalene	128	14.745	14.752	(1.216)	13089	0.39737	7.94738(a)
133 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7072.D
Lab Smp Id: 280-28076-AG-1 Client Smp ID: MW02
Inj Date : 27-APR-2012 12:39
Operator : MEIERG Inst ID: P.i
Smp Info : 280-28076-ag-1,1,PH=7
Misc Info : 280-28076-AG-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	1.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 70 Fluorobenzene	7.988	2911193	12.500
* 122 1,4-Dichlorobenzene-d4	12.128	3197866	12.500

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Propane				CAS #: 74-98-6			
4.133	13974397	60.0028698	1200.06	83	NBS75K.l	62269	70
Isobutane				CAS #: 75-28-5			
4.371	13939645	59.8536497	1197.07	80	NBS75K.l	62334	70
Butane				CAS #: 106-97-8			
4.552	7888771	33.8725789	677.452	80	NBS75K.l	99	70
Butane, 2-methyl-				CAS #: 78-78-4			
5.055	1428810	6.13498414	122.700	80	NBS75K.l	62517	70
Butane, 2-methyl-				CAS #: 78-78-4			
5.111	3338852	14.3362675	286.725	80	NBS75K.l	62517	70

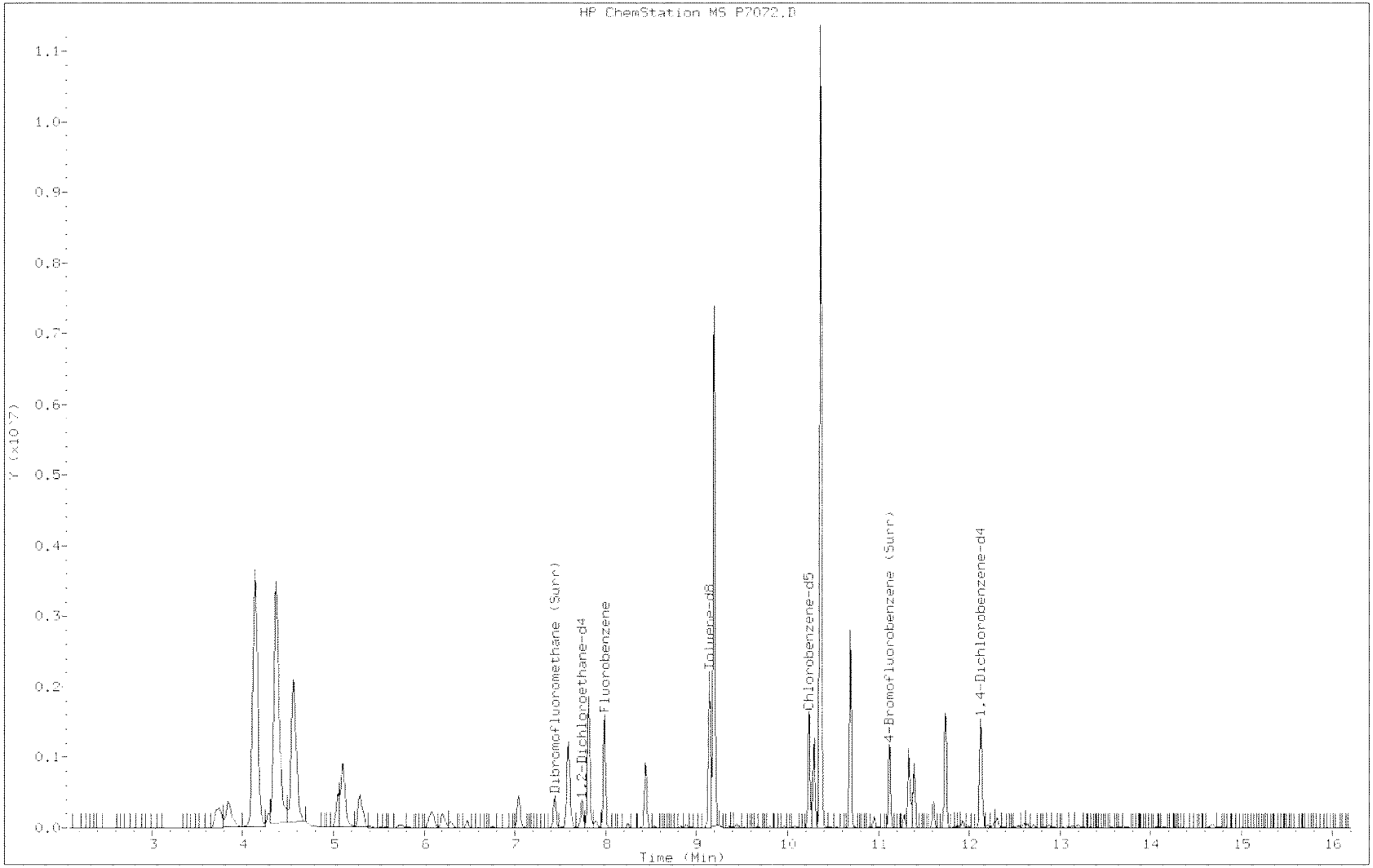
	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(uq/L)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Pentane					CAS #: 109-66-0		
5.292	1639162	7.03818862	140.764	90	NBS75K.l	62515	70
1-Pentene					CAS #: 109-67-1		
6.201	635488	2.72864209	54.5728	80	NBS75K.l	62464	70
Unknown					CAS #:		
7.044	1136600	4.88029931	97.6060	0		0	70
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
11.335	2184066	8.53719846	170.744	95	NBS75K.l	3765	122
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
11.606	611937	2.39197448	47.8395	95	NBS75K.l	64559	122
Benzene, 2-ethyl-1,4-dimethyl-					CAS #: 1758-88-9		
12.307	324899	1.26998294	25.3996	91	NBS75K.l	6219	122

Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG



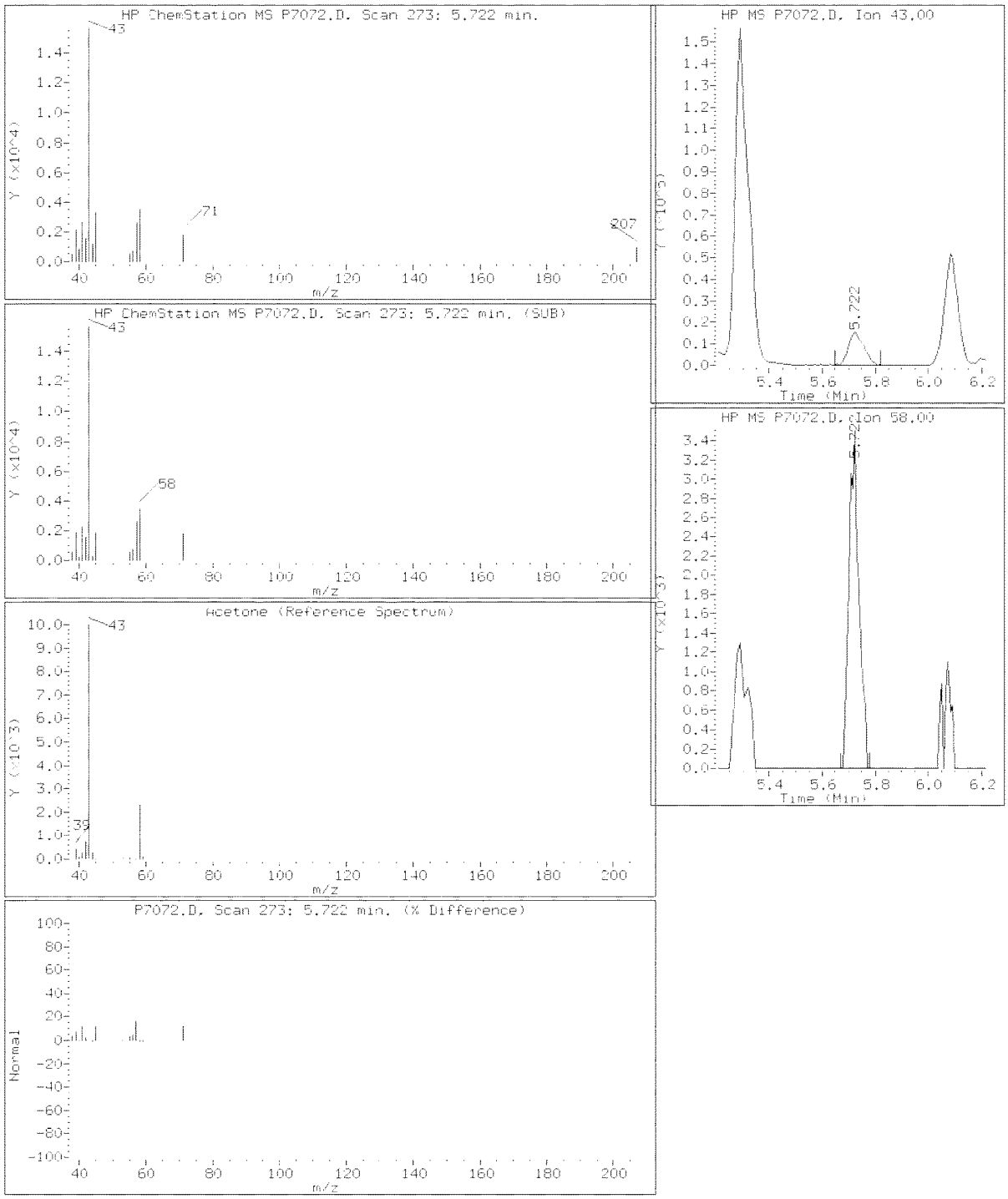
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

20 Acetone



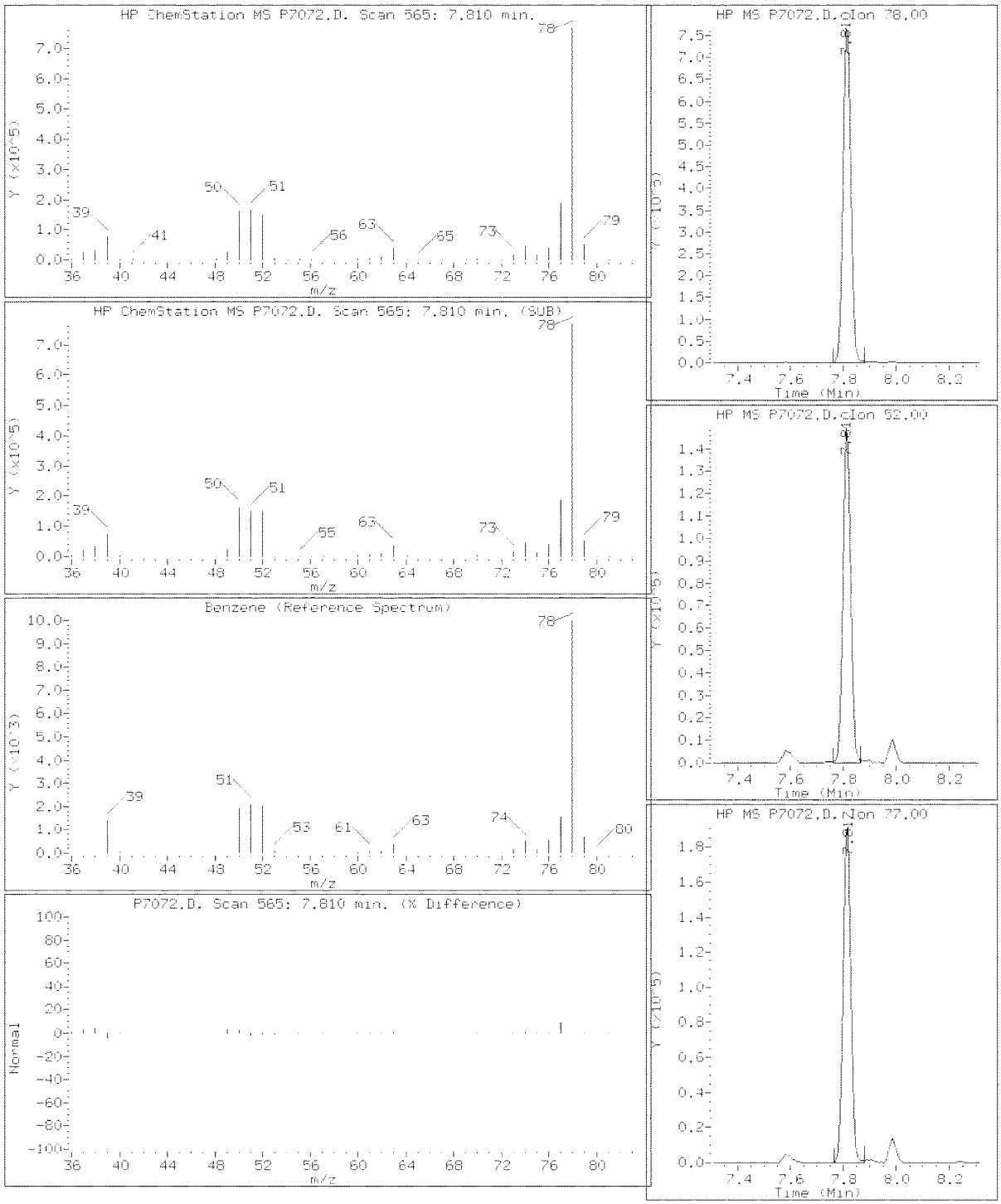
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

68 Benzene



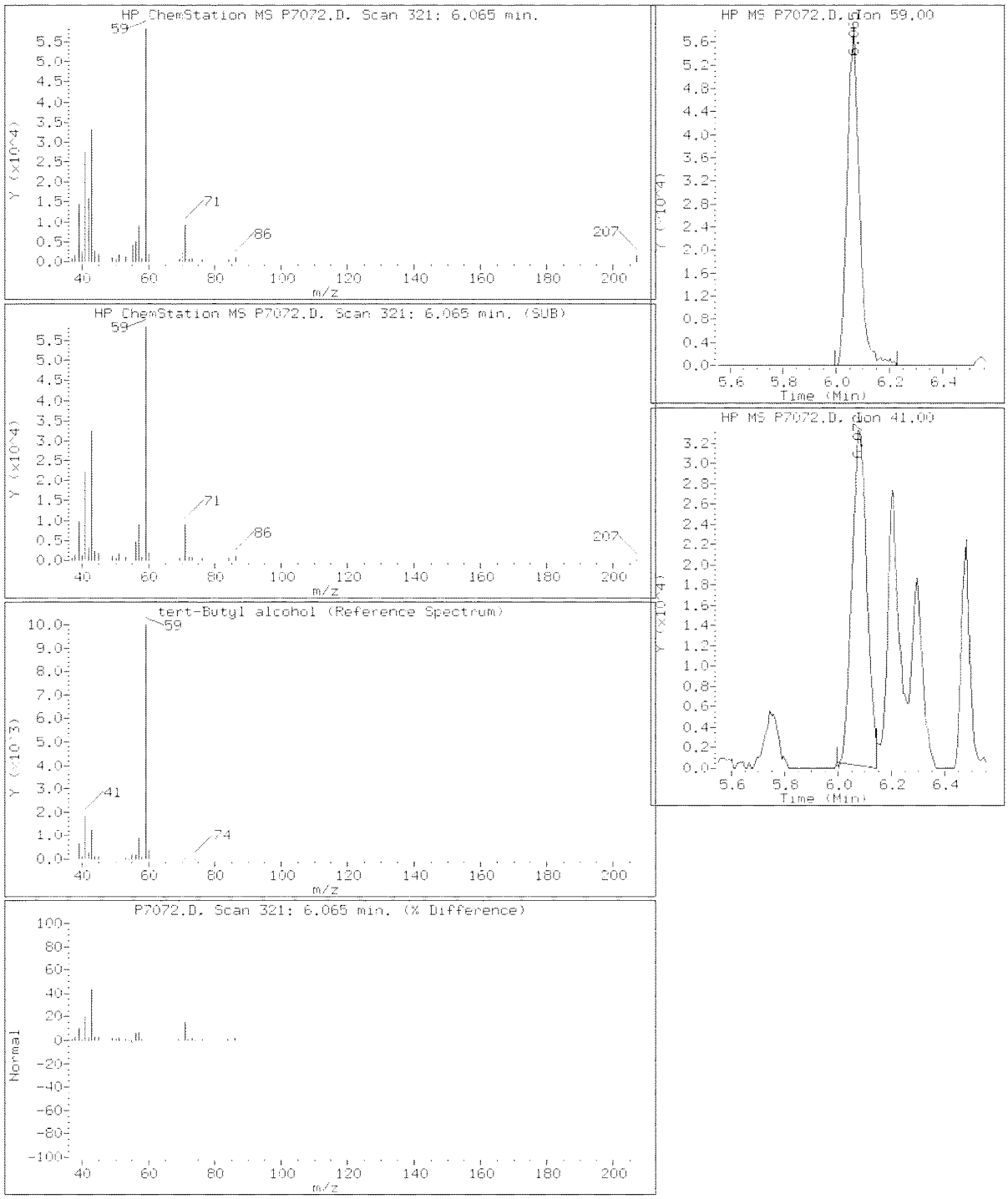
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

30 tert-Butyl alcohol



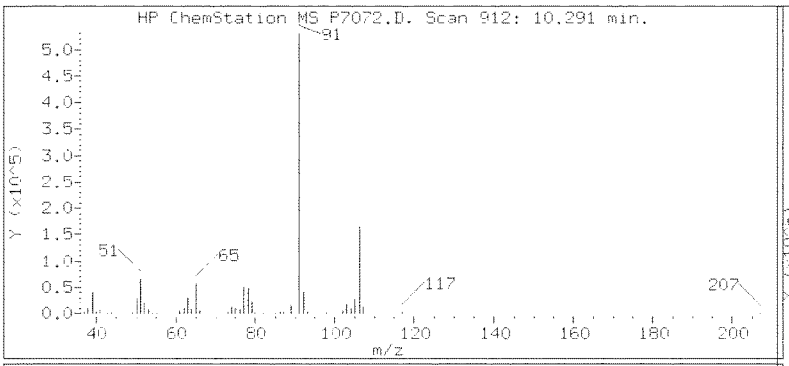
Data File: P7072.D

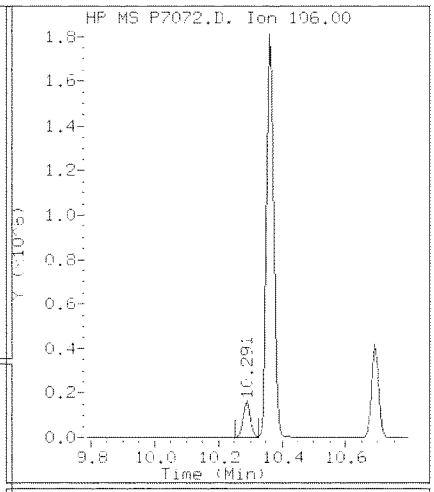
Date: 27-APR-2012 12:39

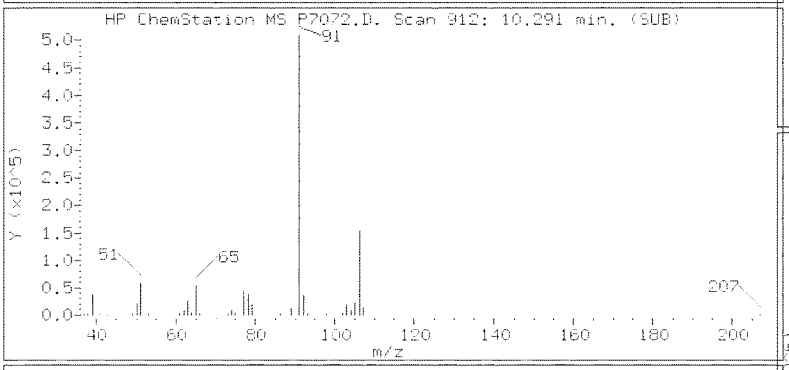
Client ID: MW02 Instrument: P.i

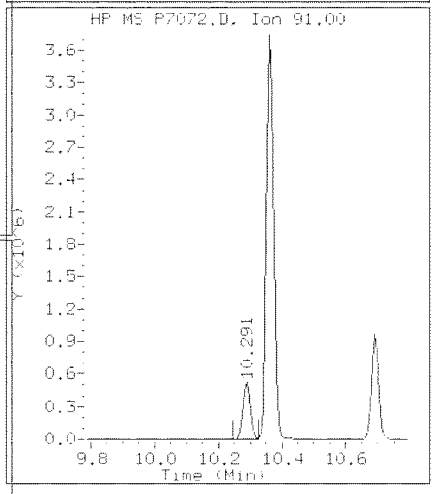
Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

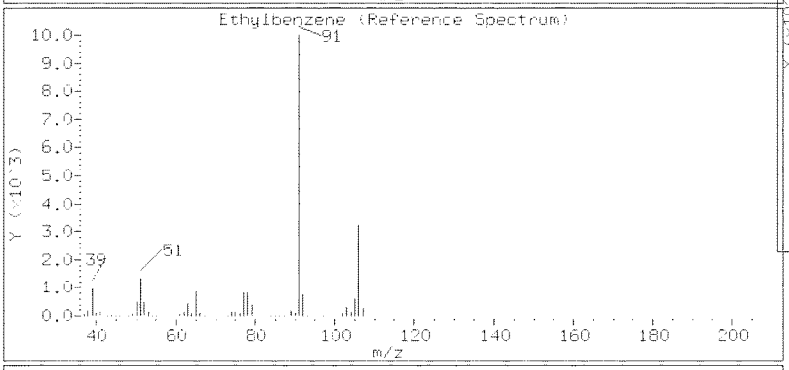
99 Ethylbenzene

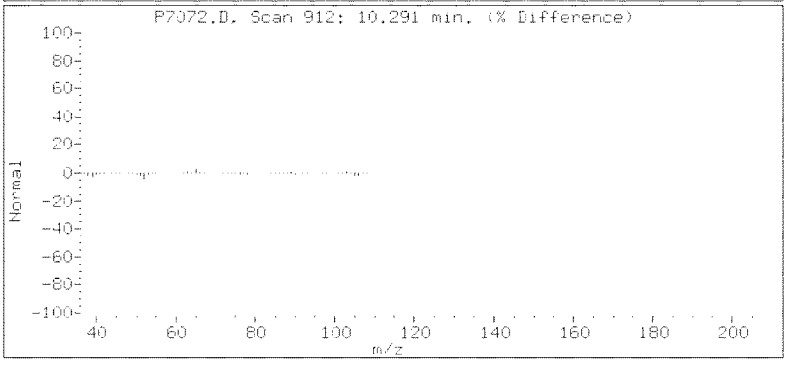












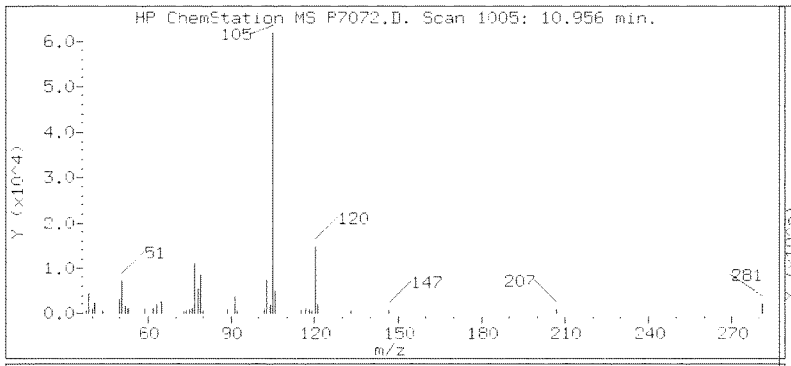
Data File: P7072.D

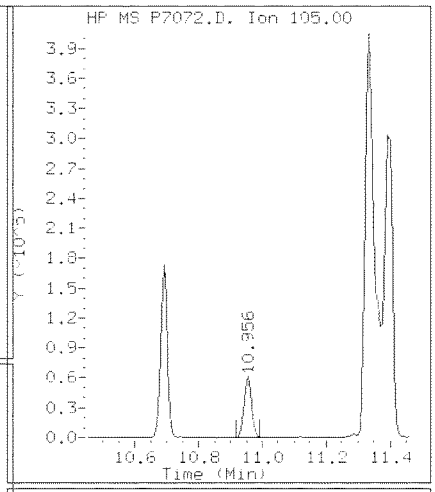
Date: 27-APR-2012 12:39

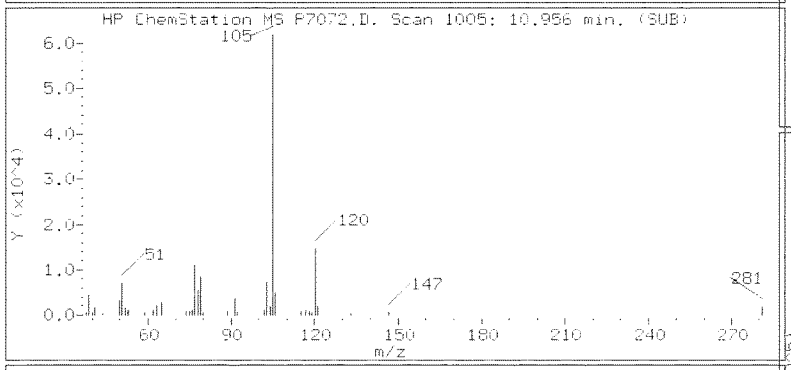
Client ID: MW02 Instrument: P.i

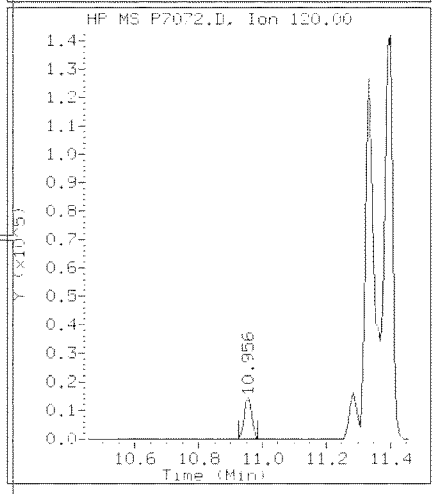
Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

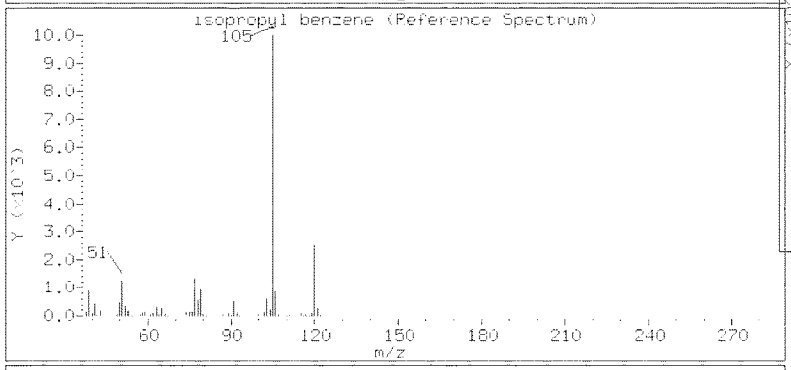
104 isopropyl benzene

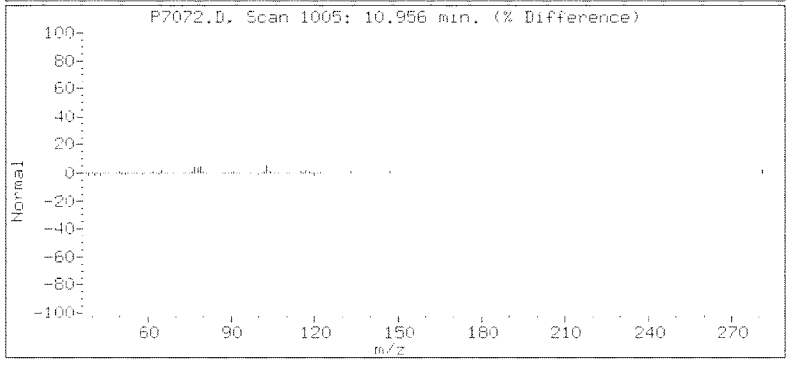












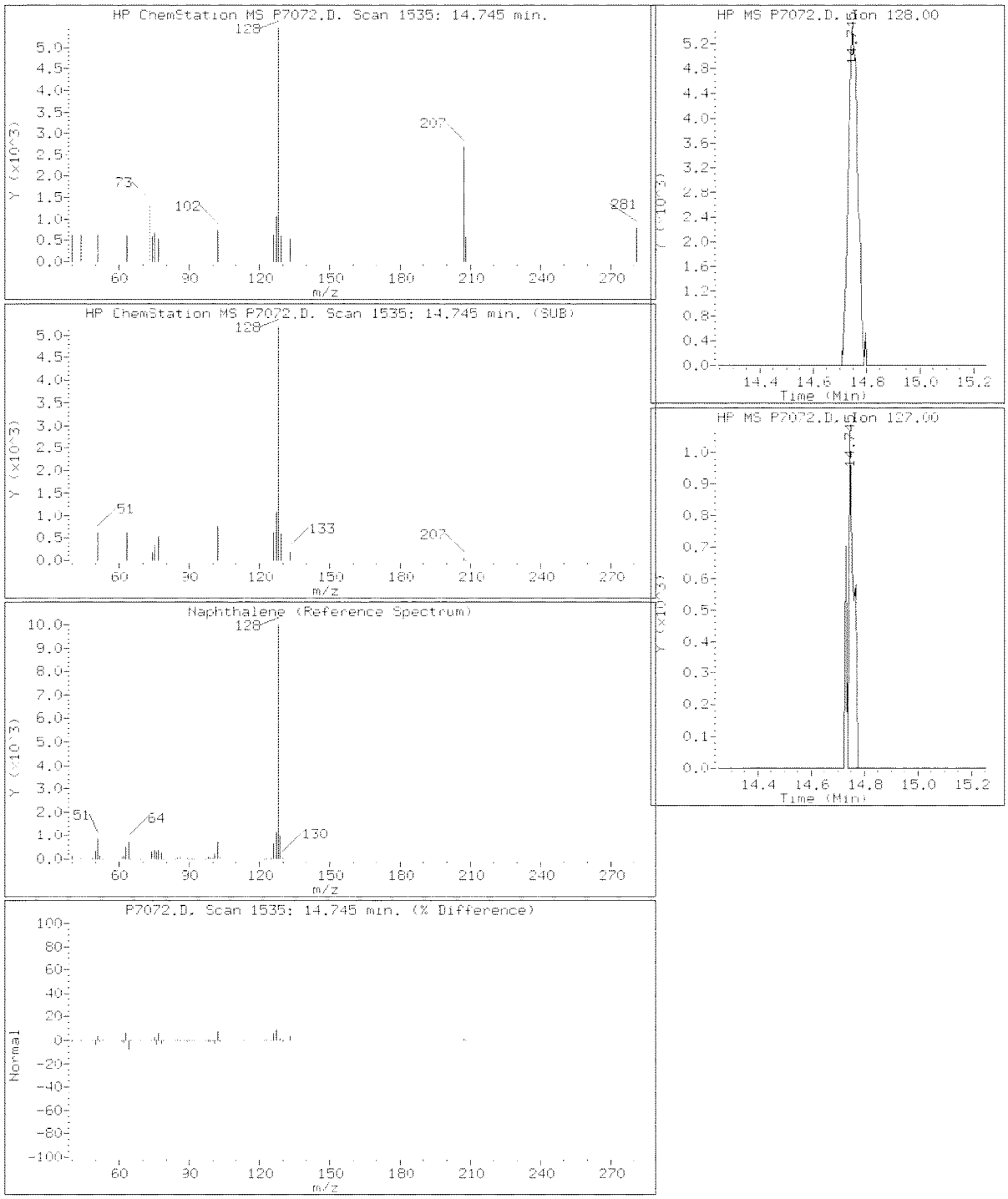
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

132 Naphthalene



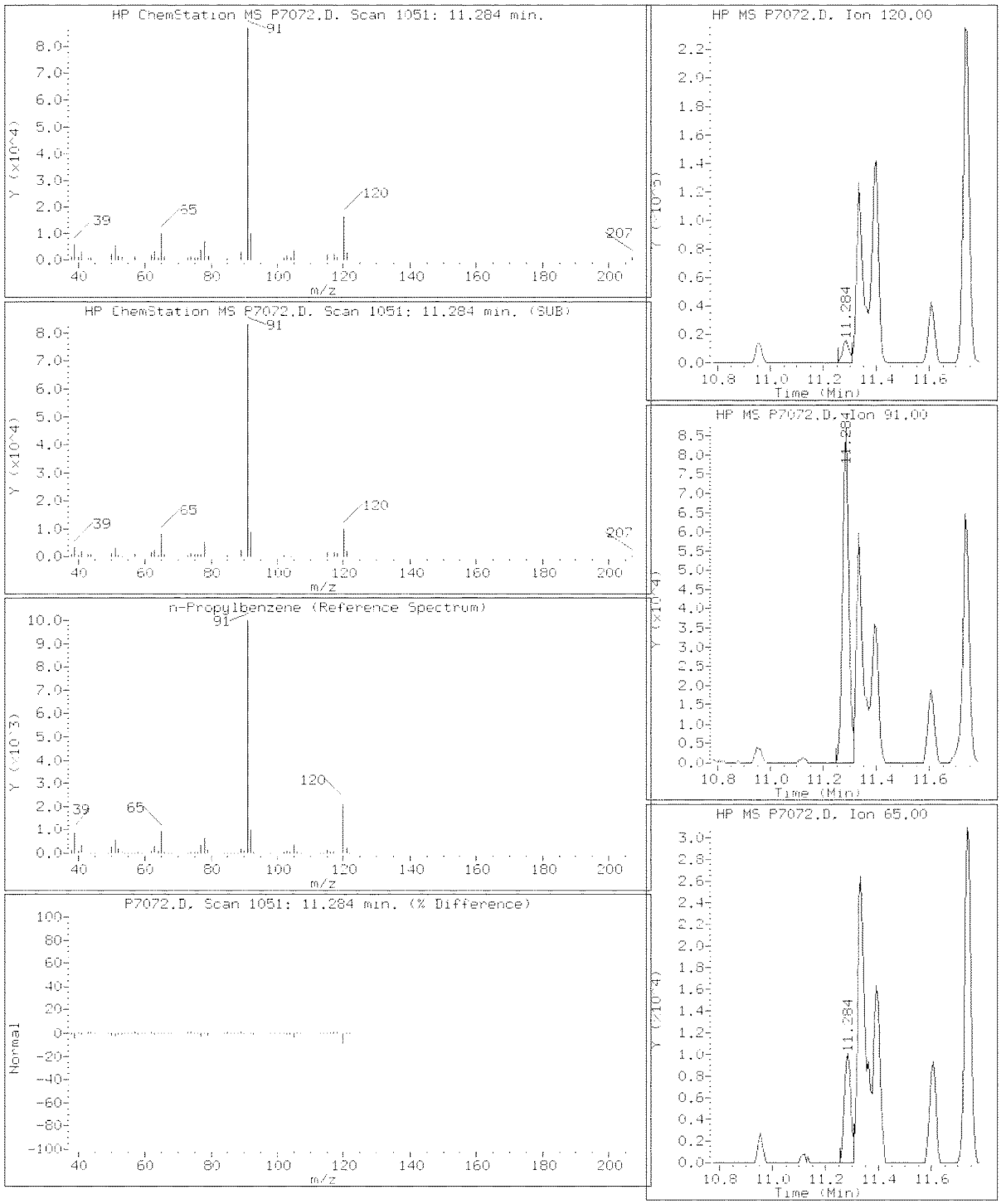
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

111 n-Propylbenzene



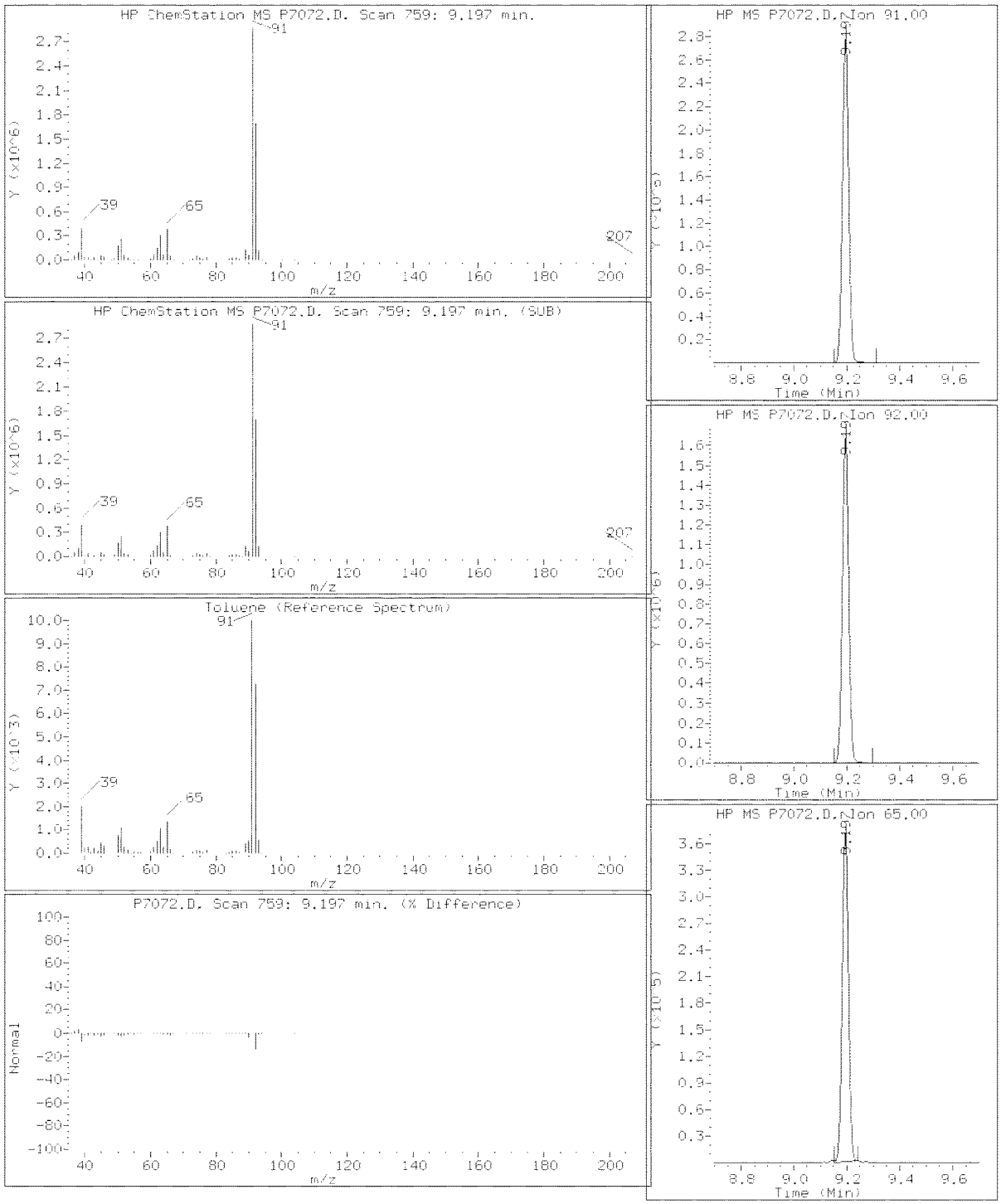
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

85 Toluene



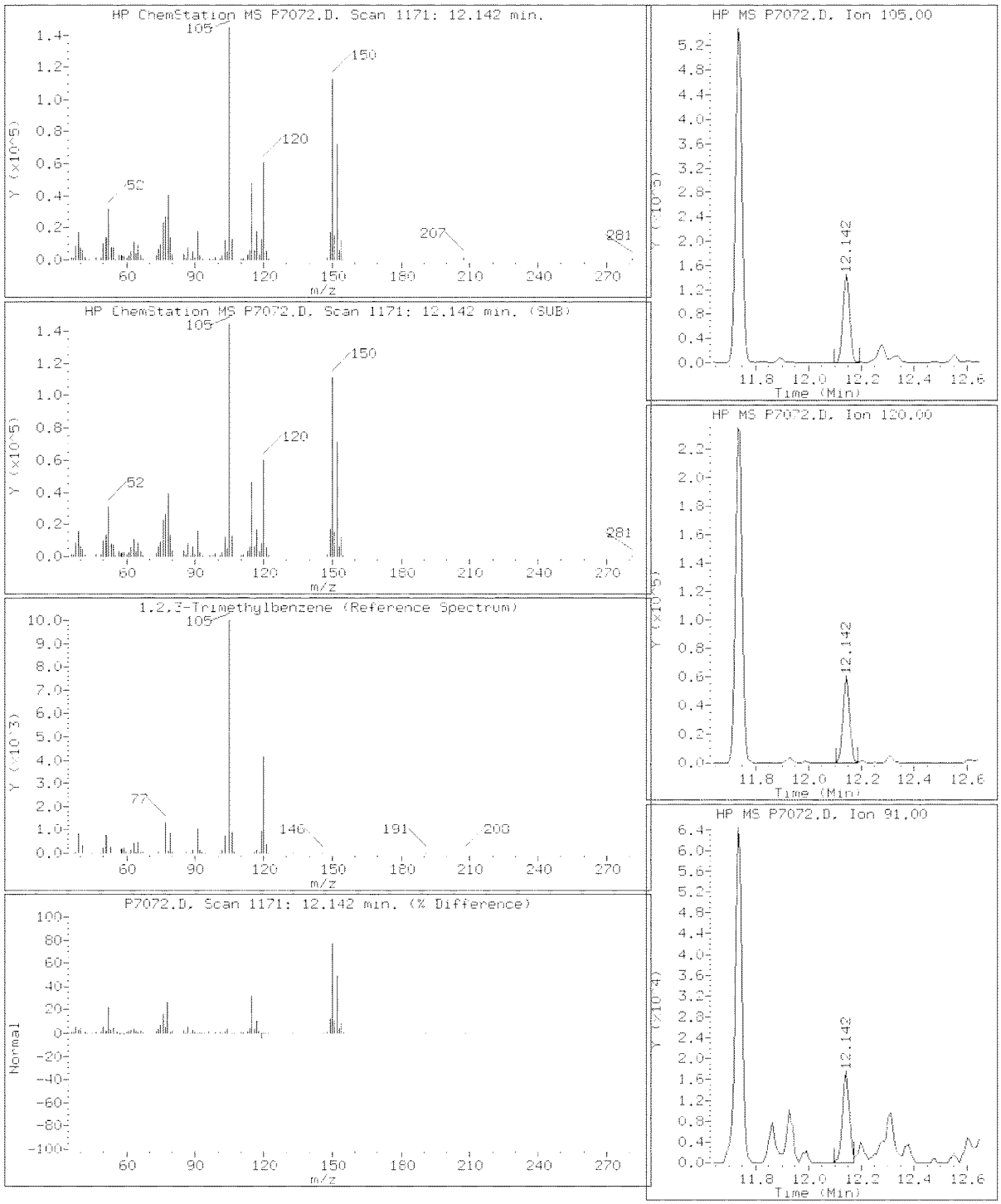
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

124 1,2,3-Trimethylbenzene



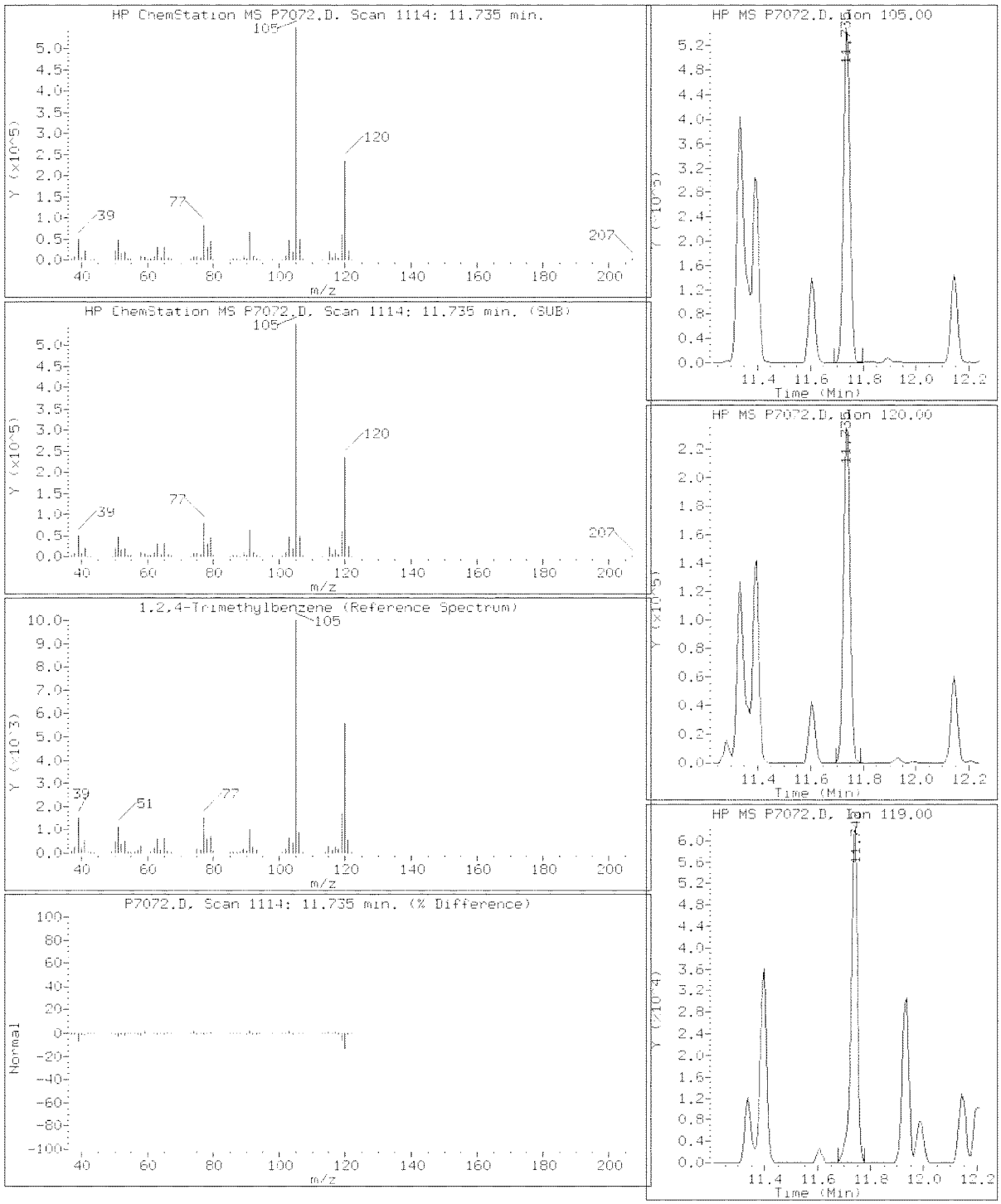
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

117 1,2,4-Trimethylbenzene



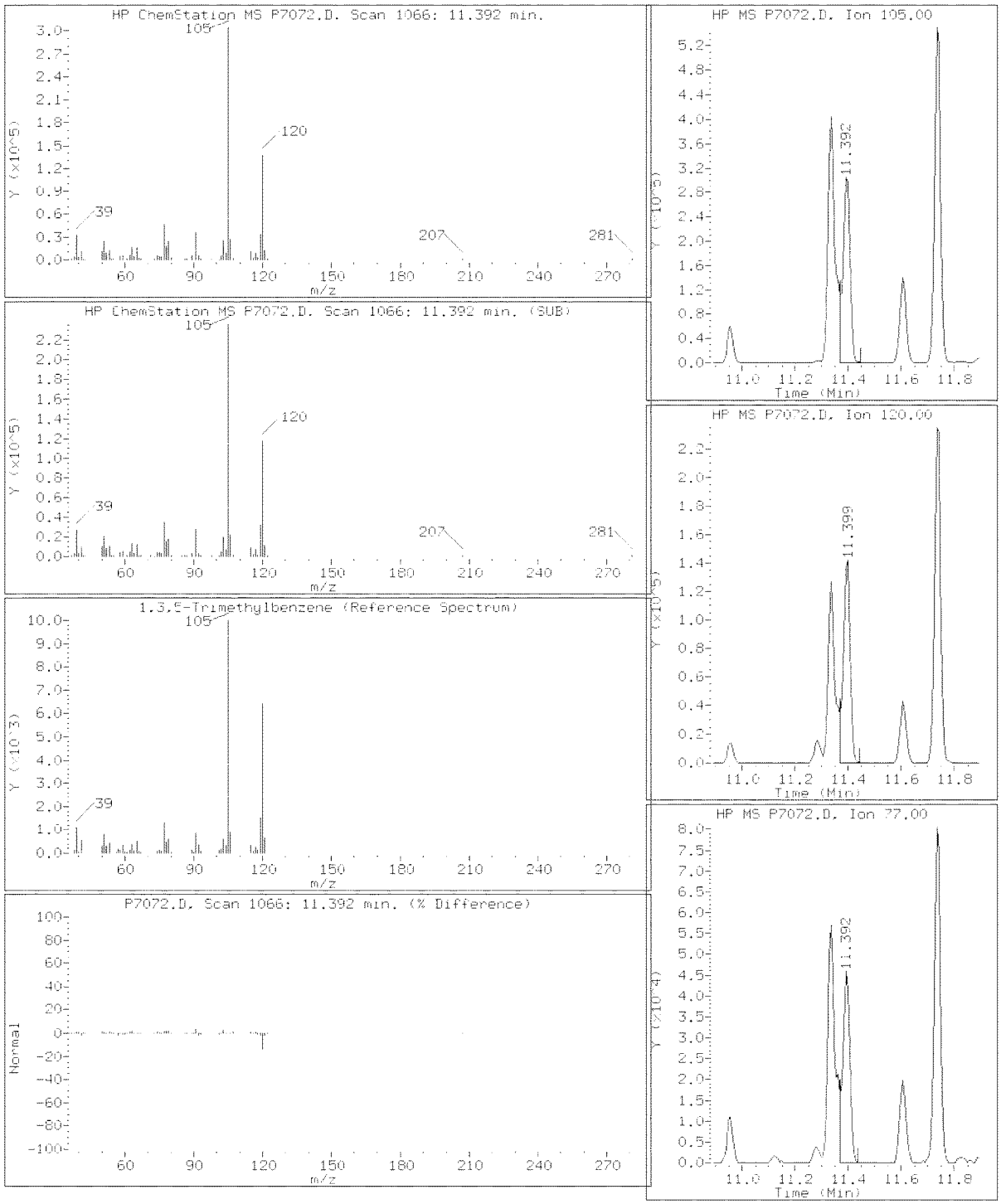
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

113 1,3,5-Trimethylbenzene



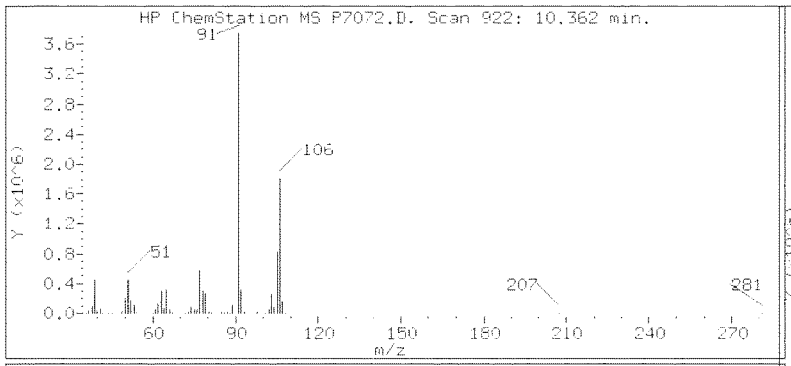
Data File: P7072.D

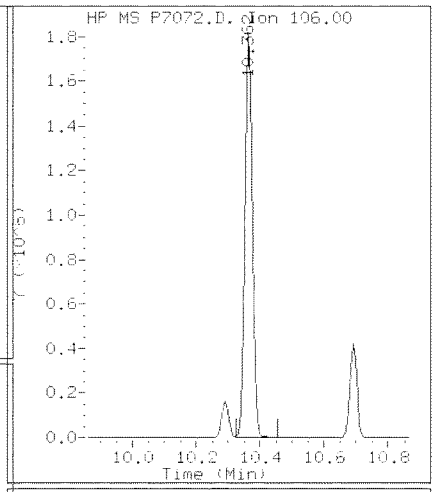
Date: 27-APR-2012 12:39

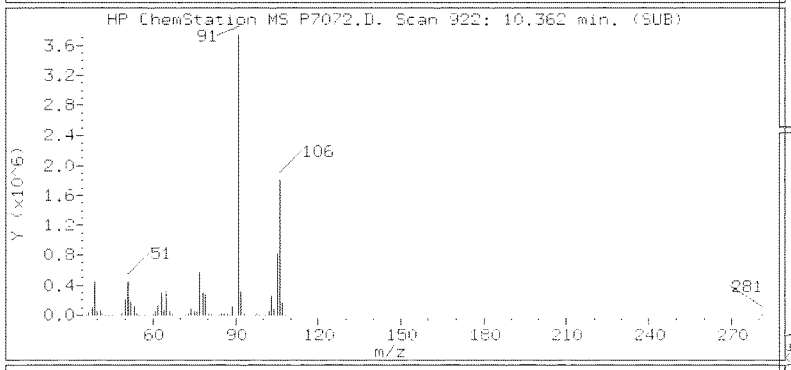
Client ID: MW02 Instrument: P.i

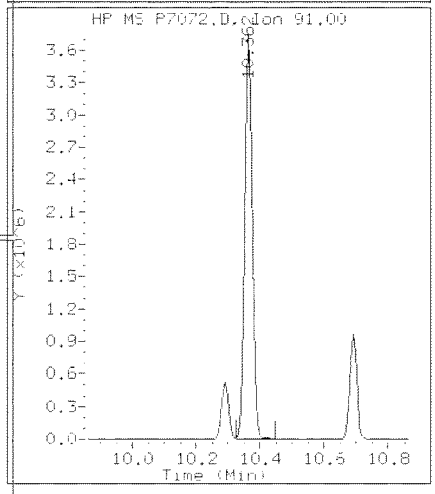
Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

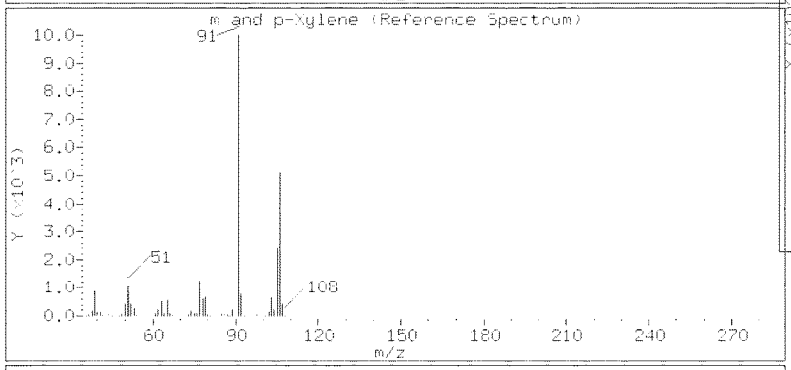
100 m and p-Xylene

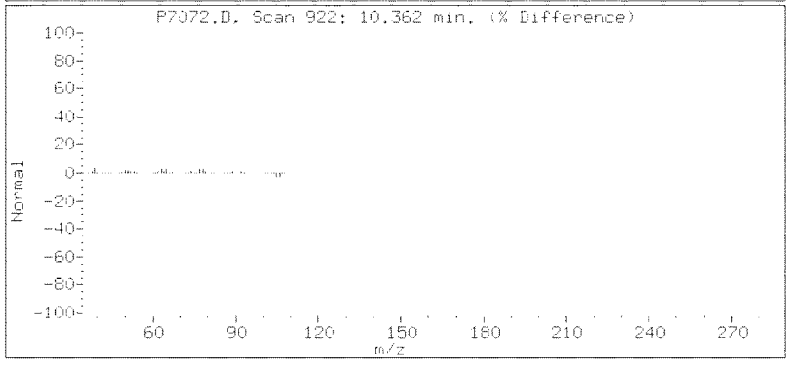












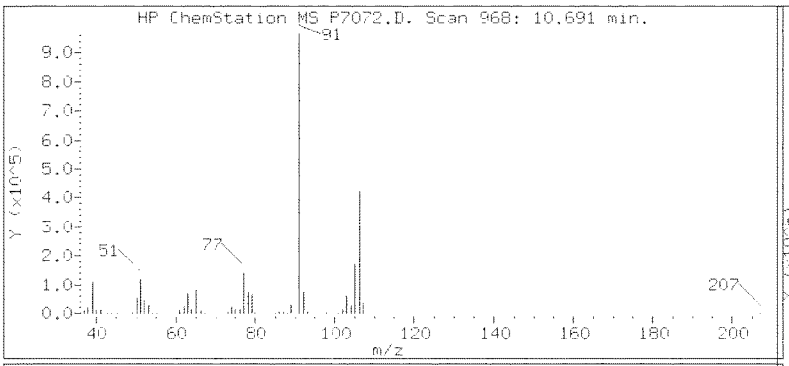
Data File: P7072.D

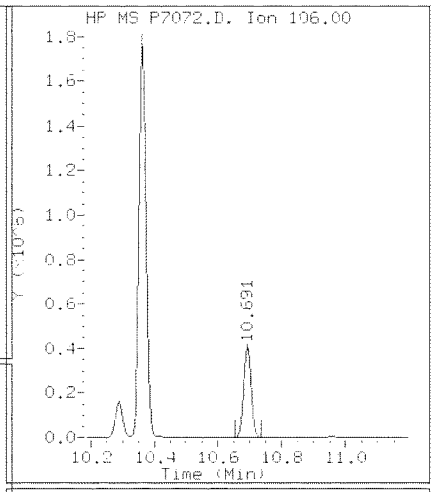
Date: 27-APR-2012 12:39

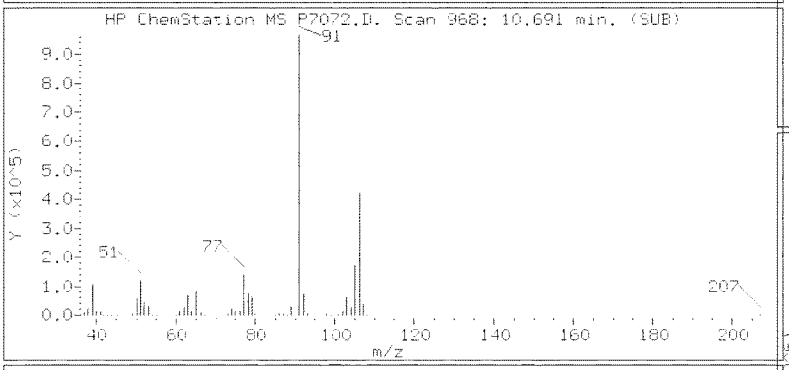
Client ID: MW02 Instrument: P.i

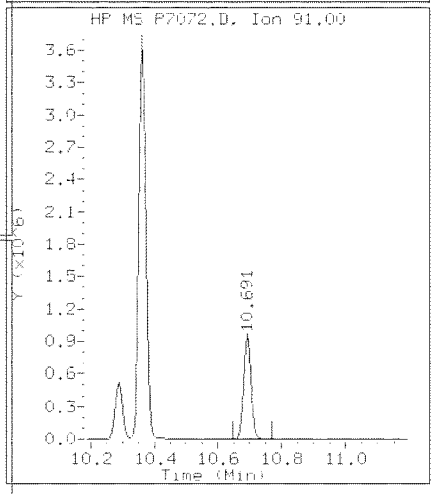
Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

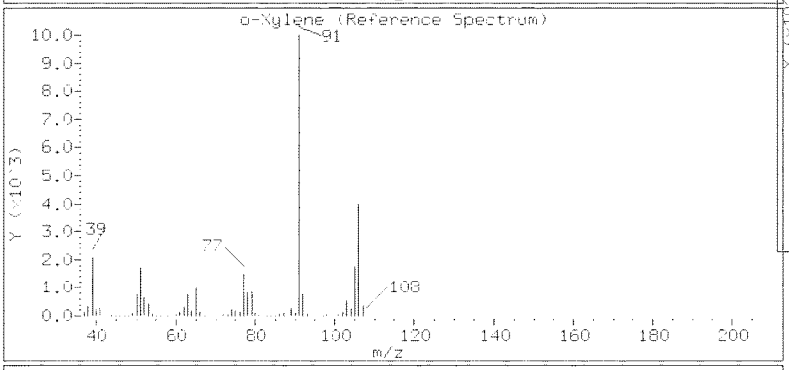
102 o-Xylene

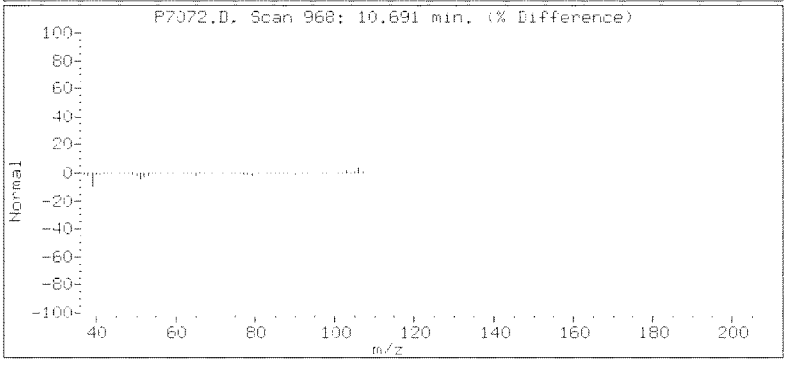












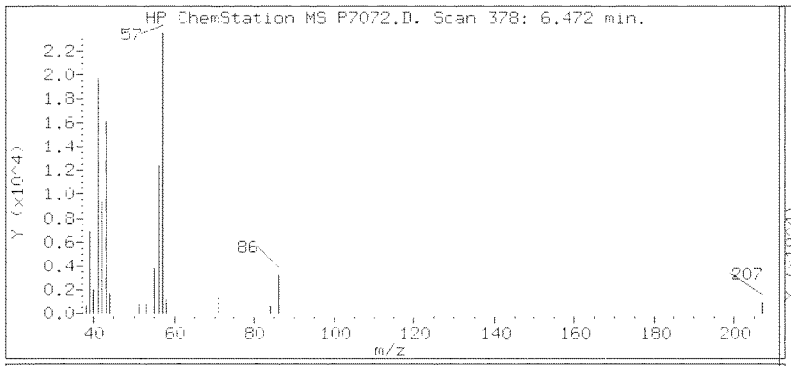
Data File: P7072.D

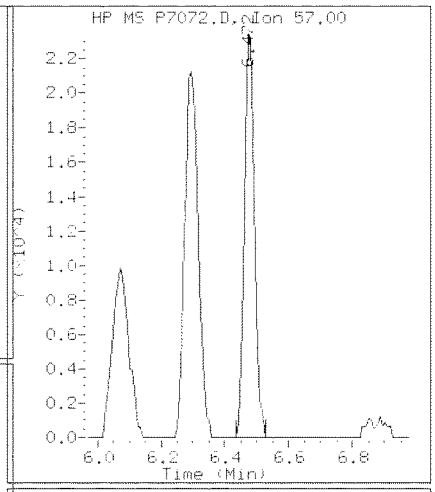
Date: 27-APR-2012 12:39

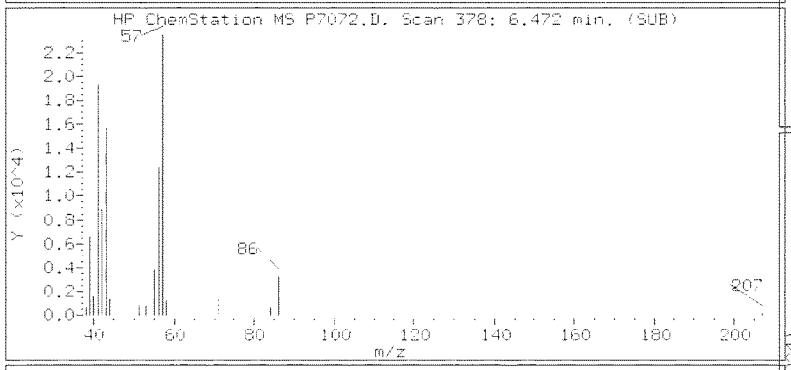
Client ID: MW02 Instrument: P.i

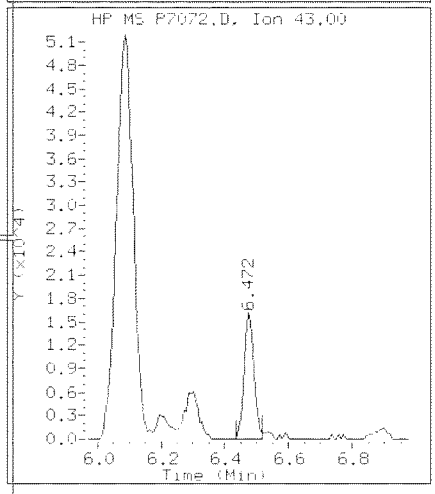
Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

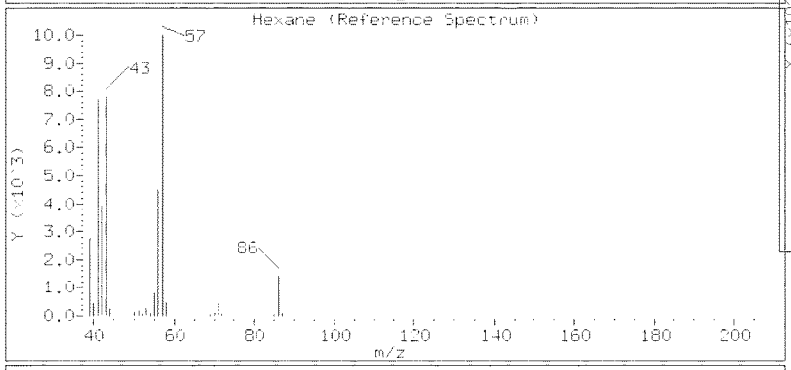
40 Hexane

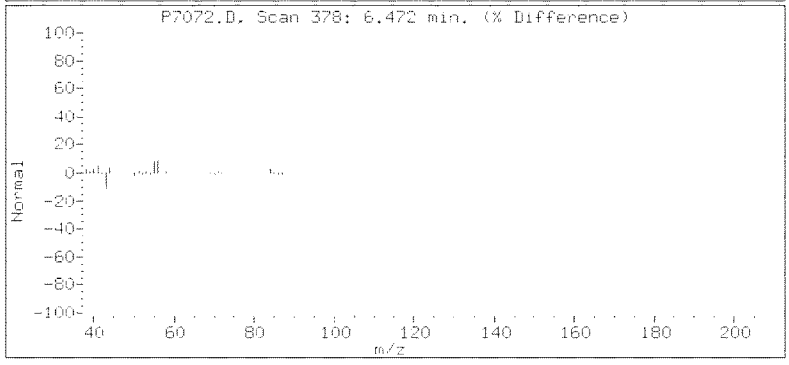












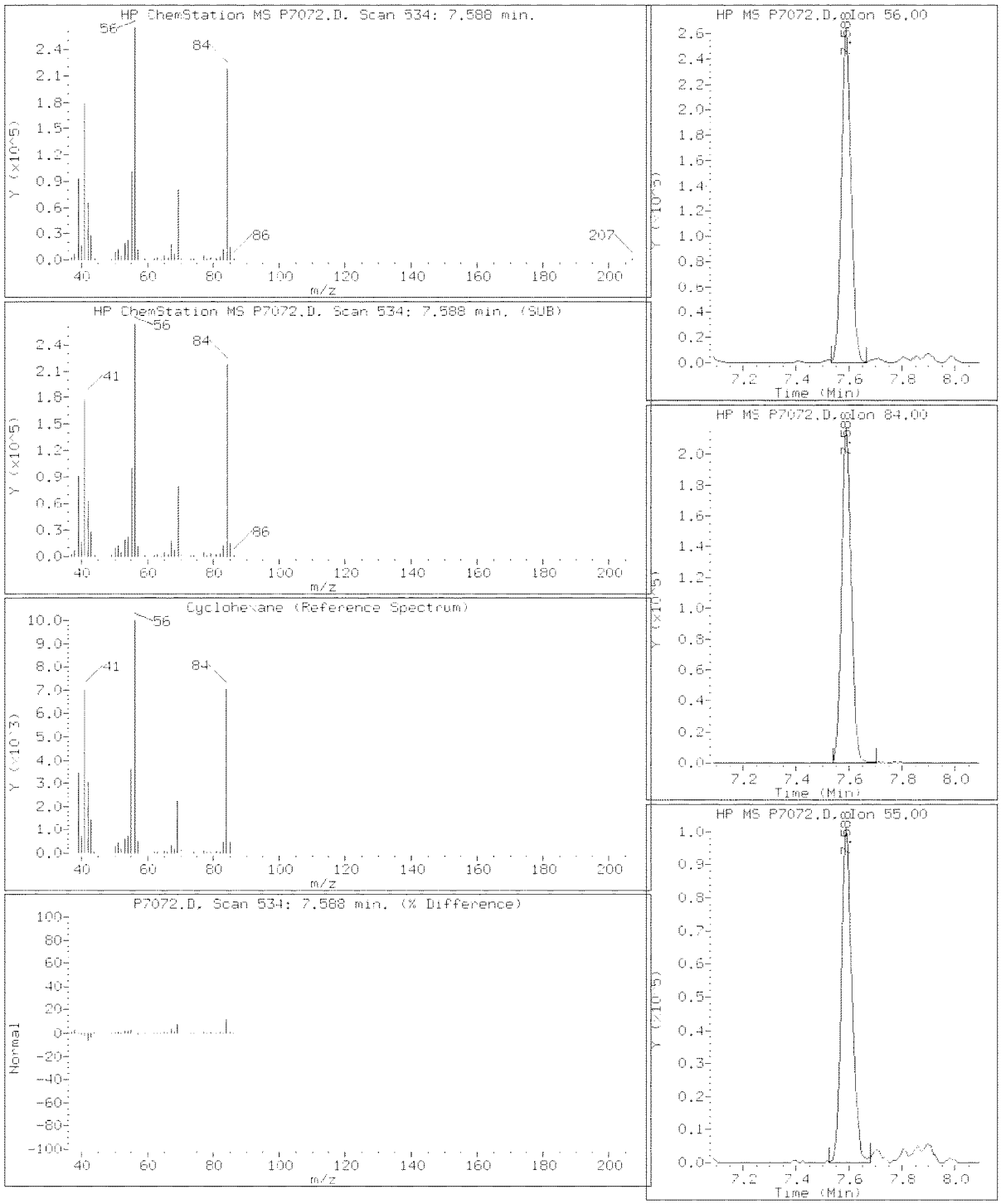
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

62 Cyclohexane



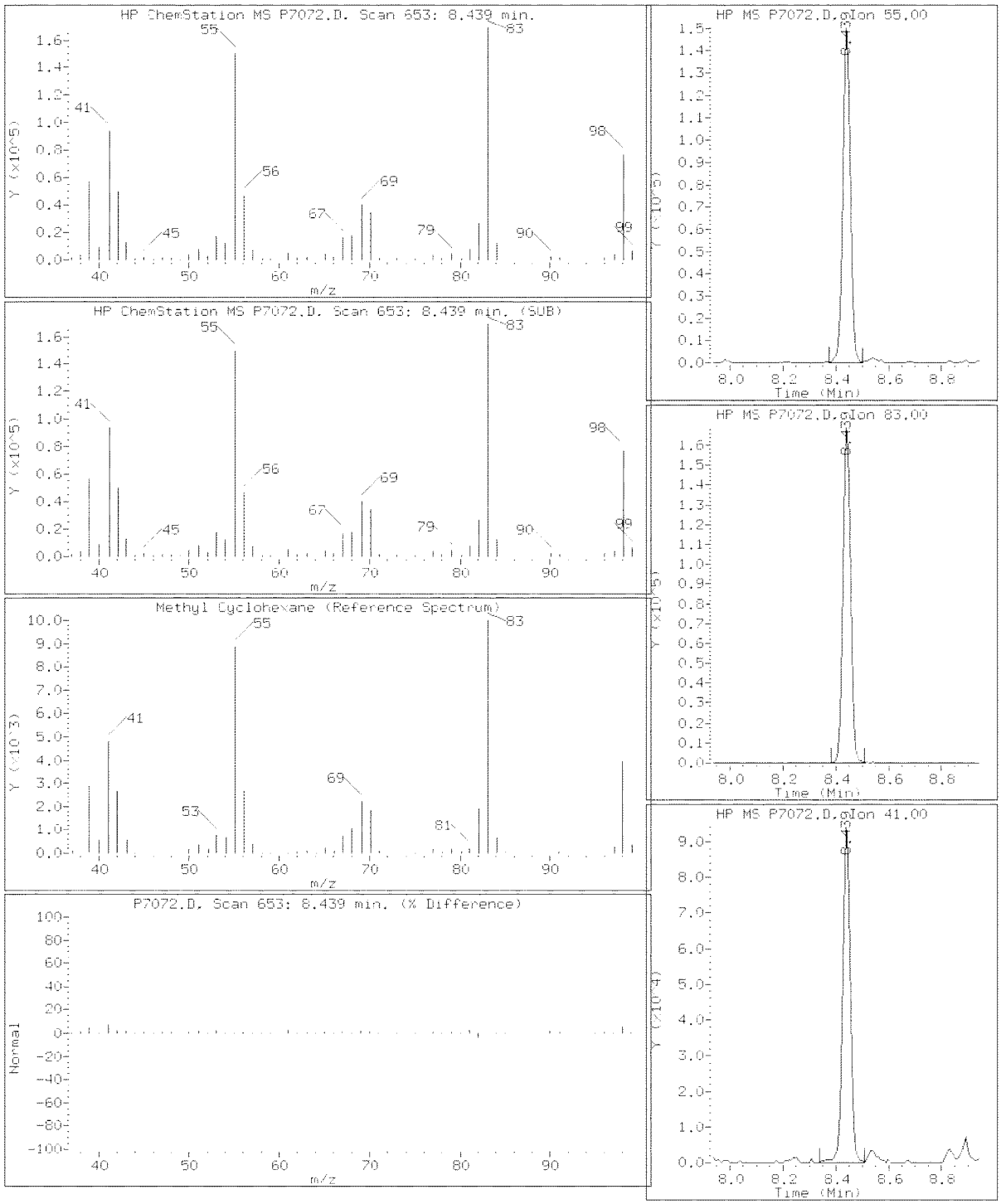
Data File: P7072.D

Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

76 Methyl Cyclohexane



Data File: P7072.D

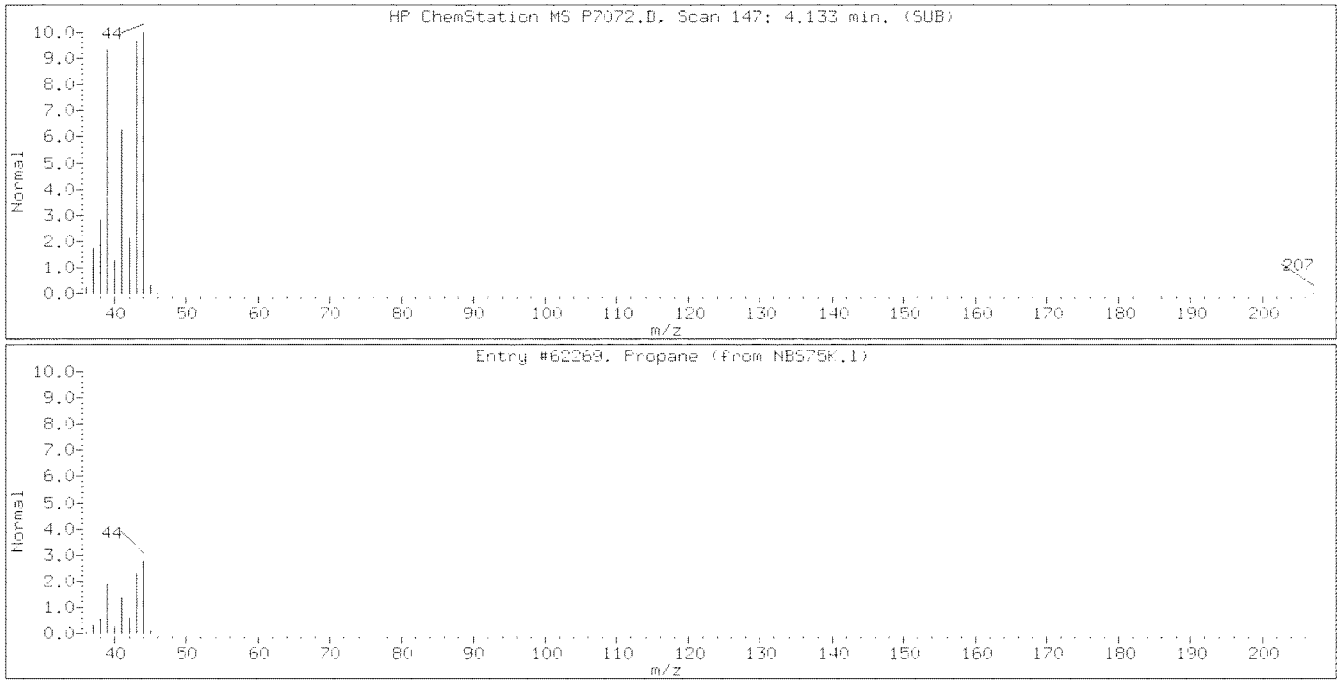
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 4.13

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propane	74-98-6	NBS75K.1	62269	83	C3H8	44



Data File: P7072.D

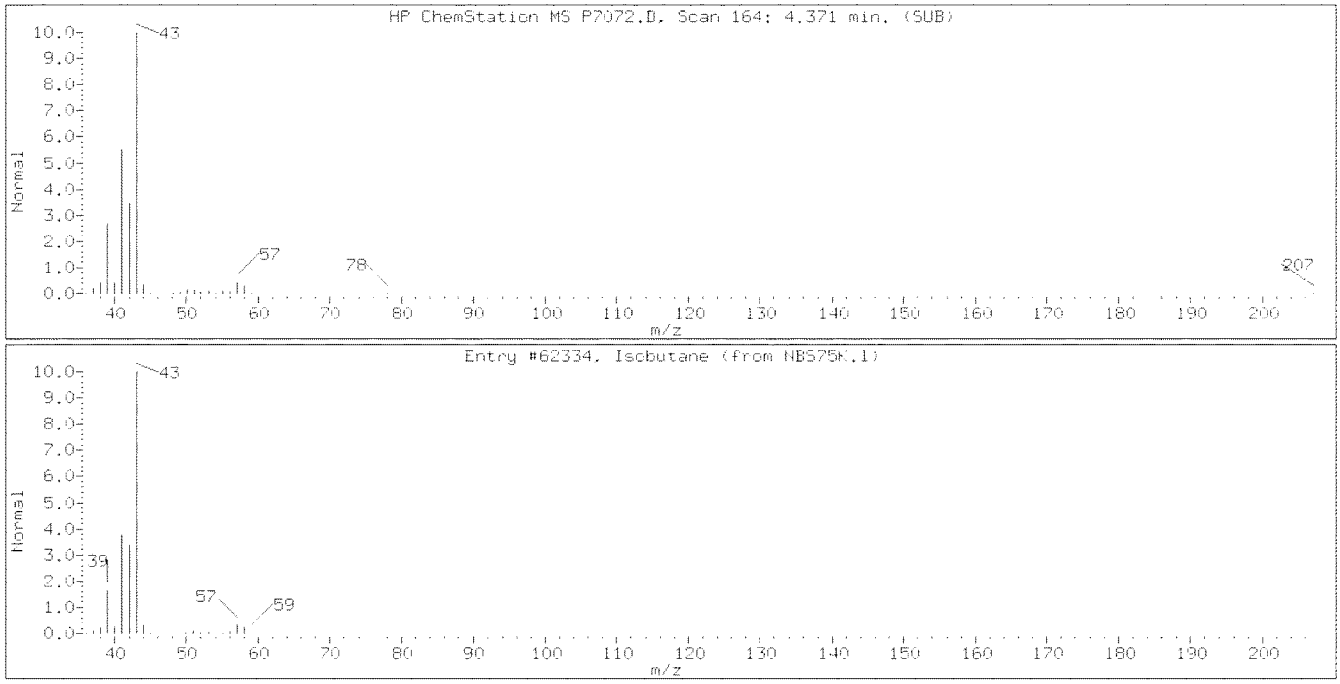
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 4.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isobutane	75-28-5	NBS75K.1	62334	80	C4H10	58



Data File: P7072.D

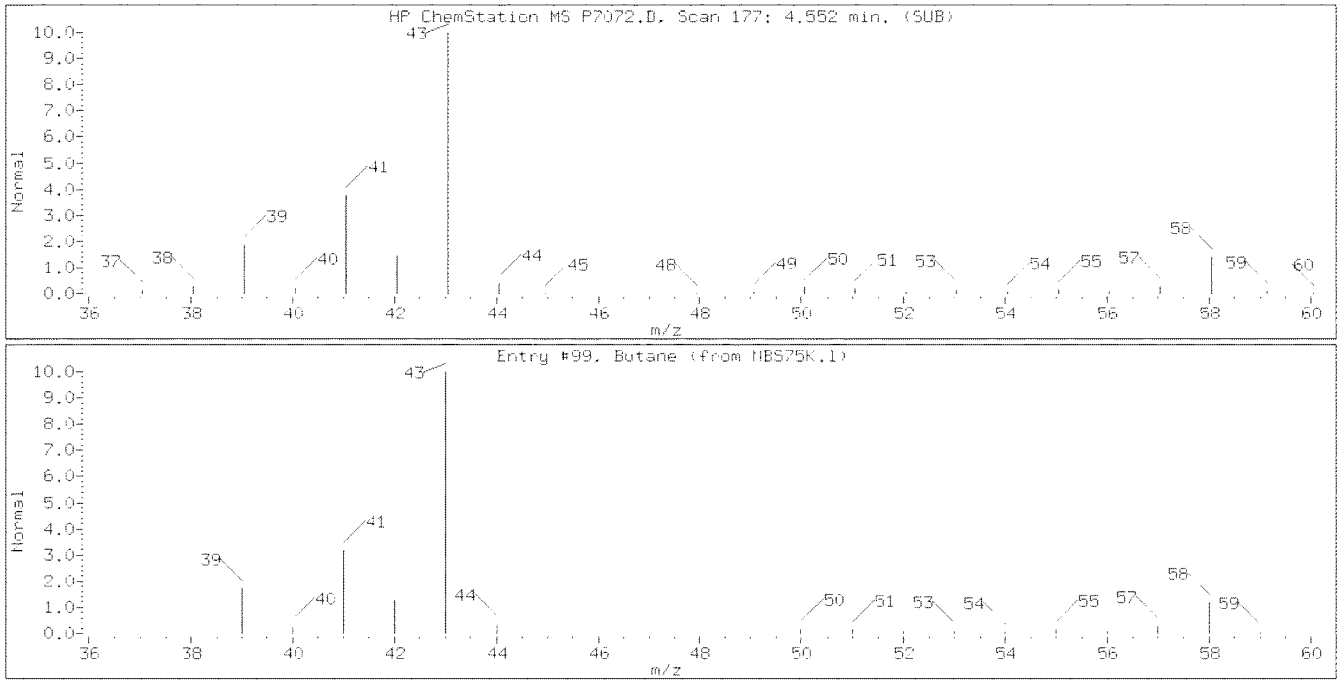
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 4.55

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane	106-97-8	NBS75K.l	99	80	C4H10	58



Data File: P7072.D

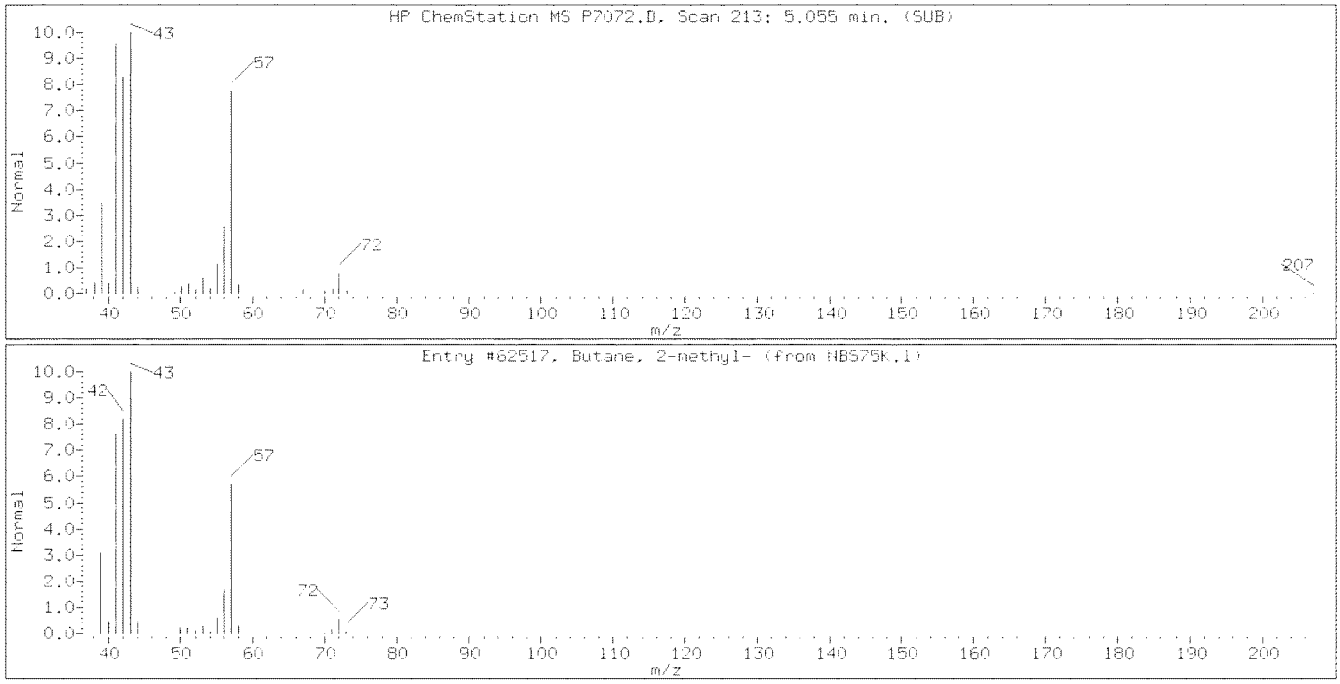
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 5.06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NBS75K.1	62517	80	C5H12	72



Data File: P7072.D

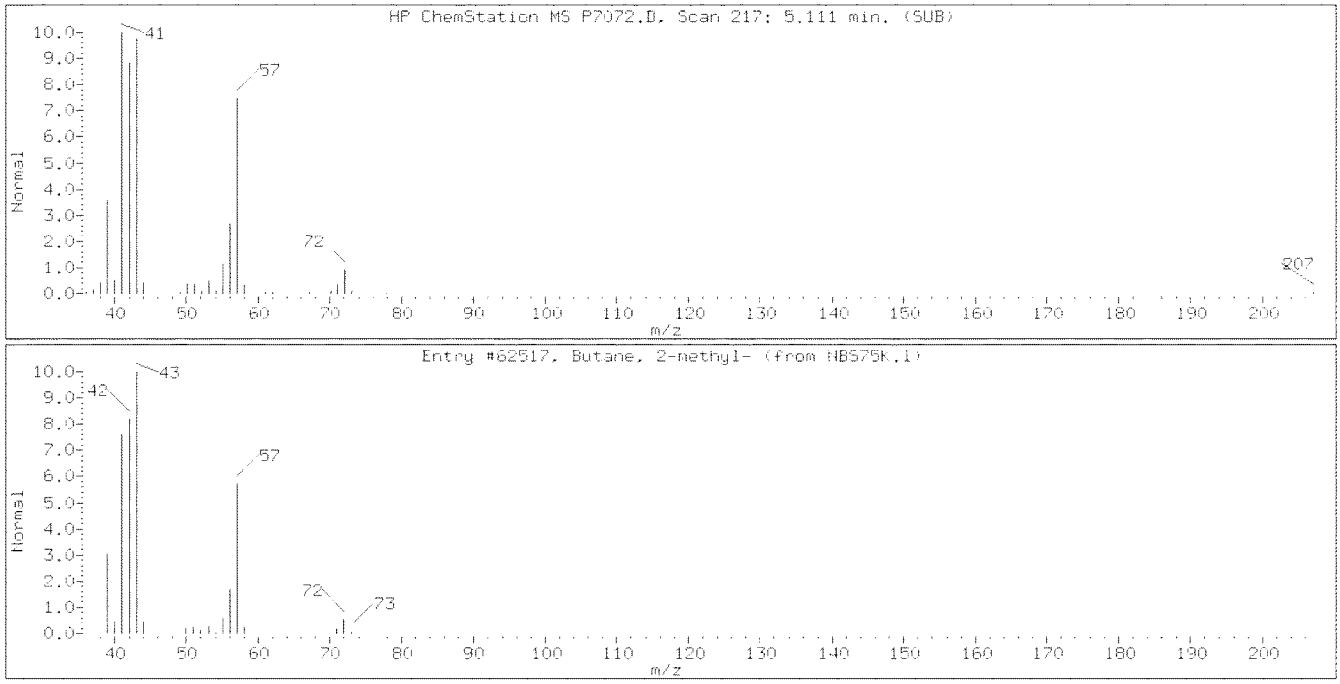
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 5.11

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NBS75K.1	62517	80	C5H12	72



Data File: P7072.D

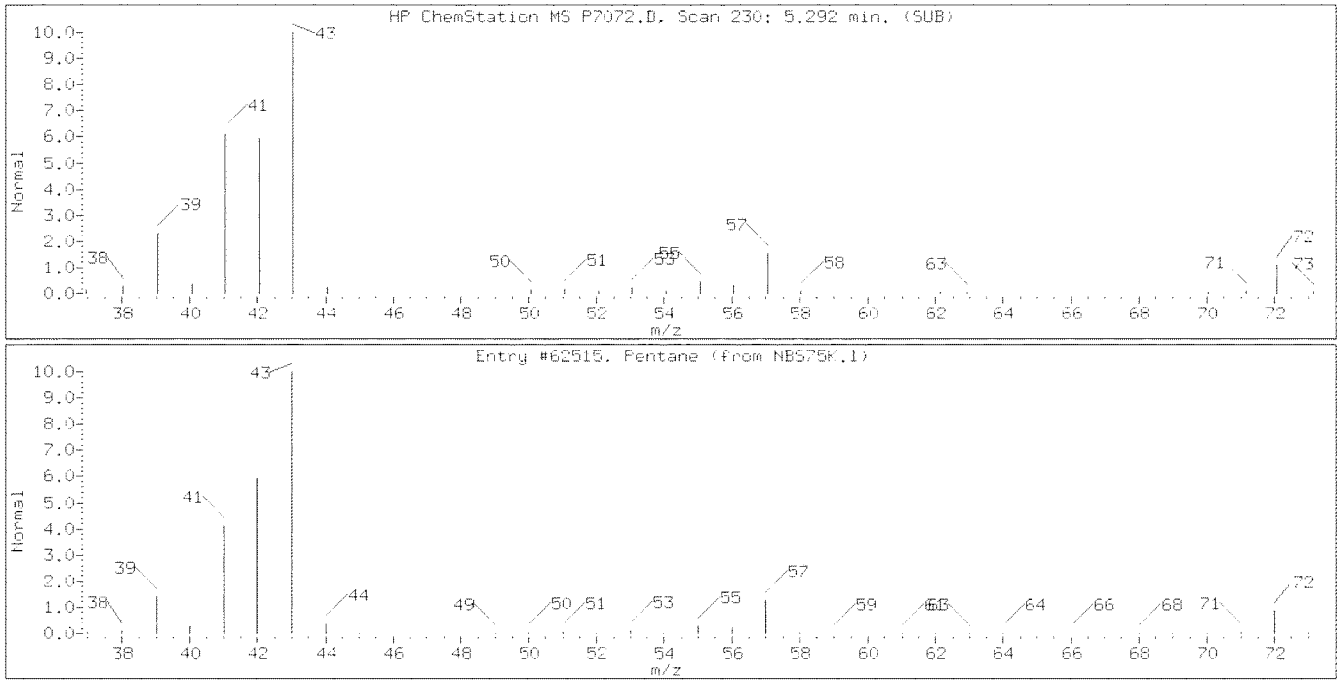
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 5.29

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane	109-66-0	NBS75K.l	62515	90	C5H12	72



Data File: P7072.D

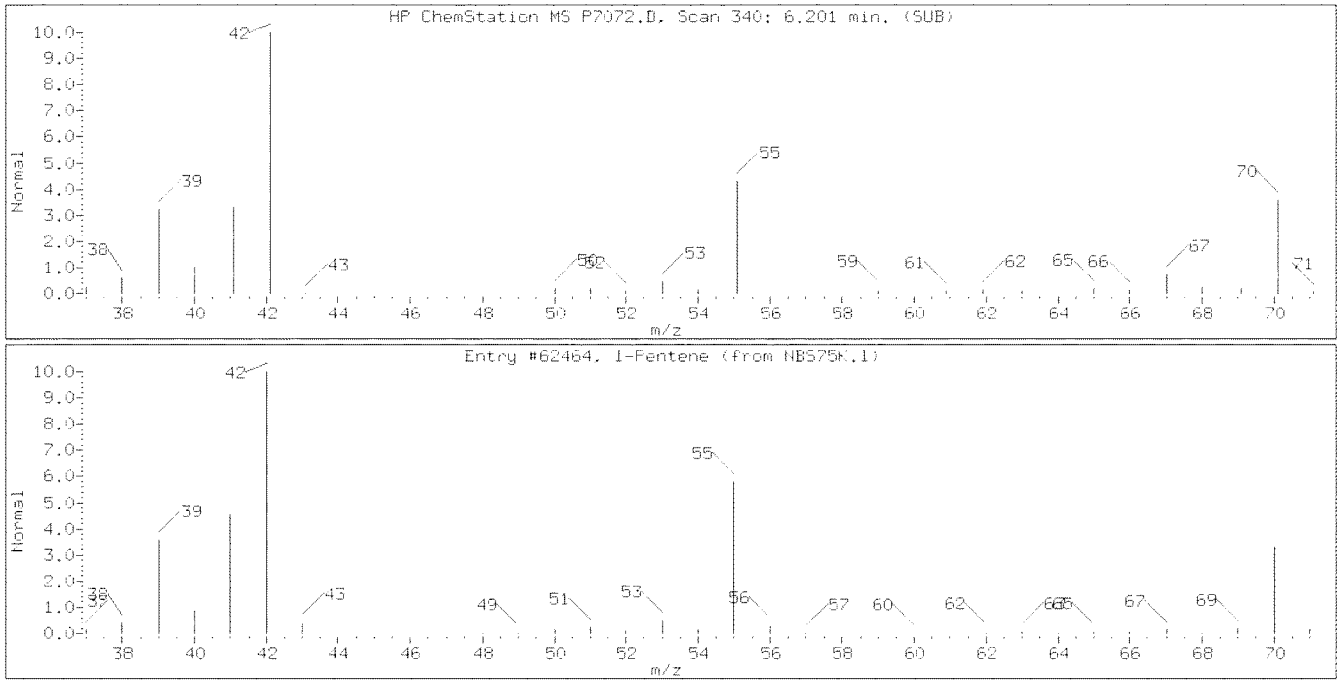
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 6.20

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Pentene	109-67-1	NBS75K.1	62464	80	C5H10	70



Data File: P7072.D

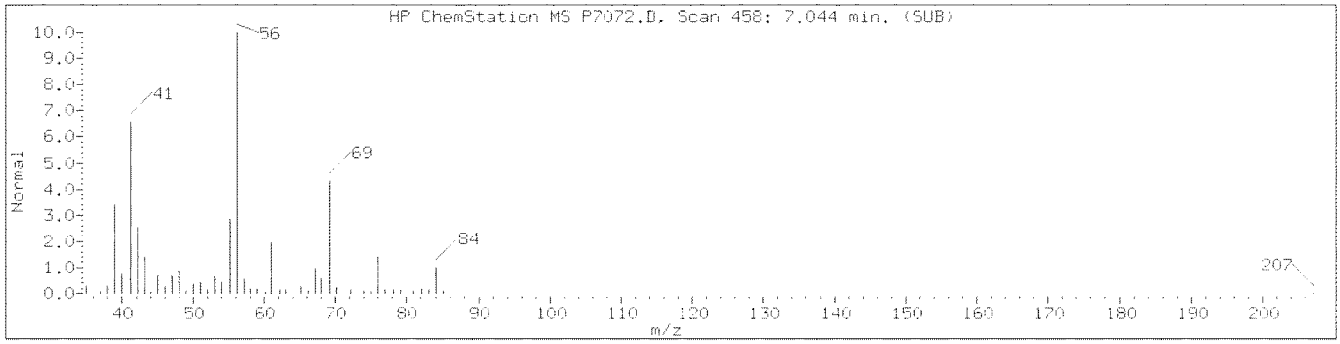
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 7.04

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: P7072.D

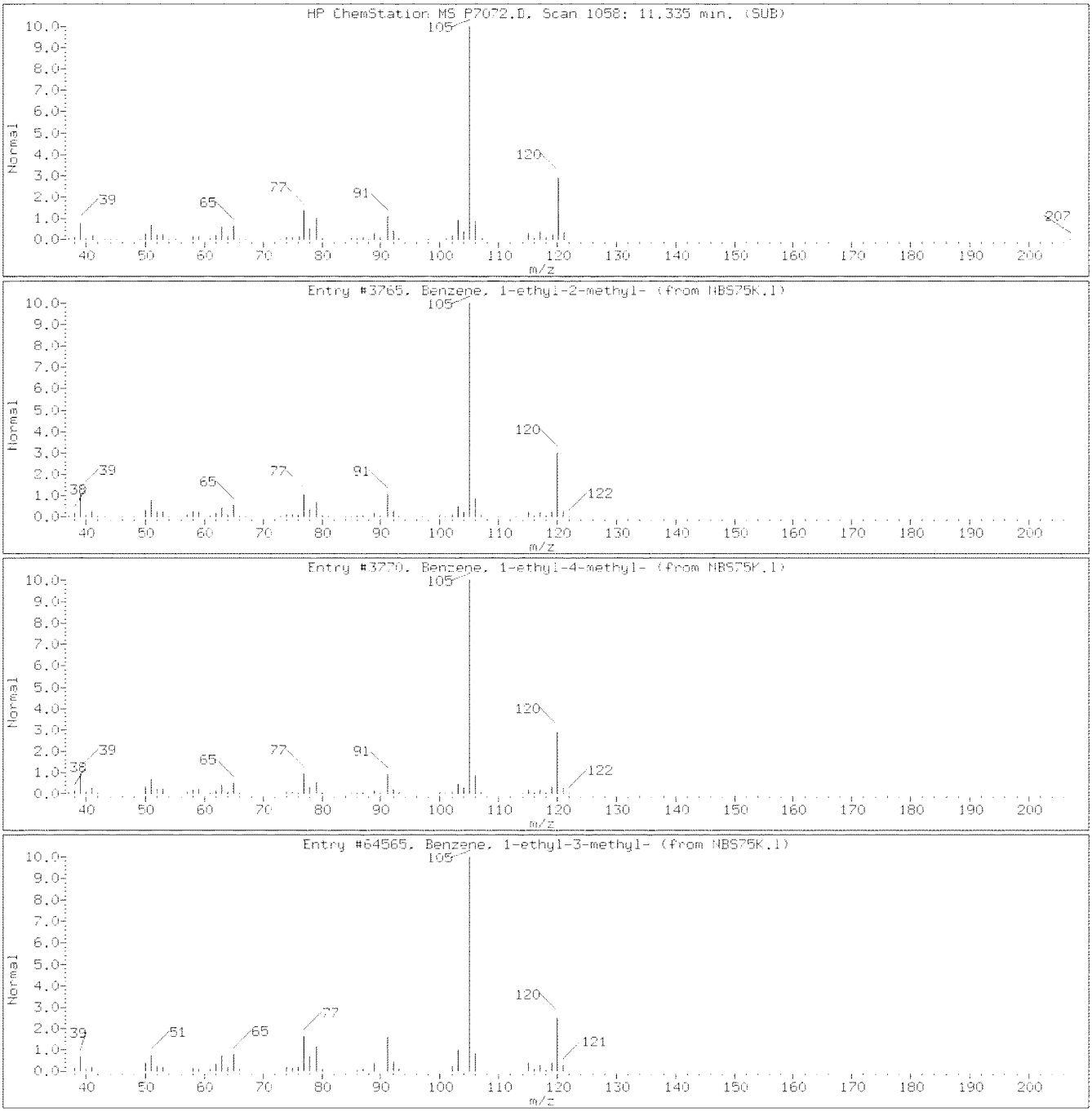
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 11.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	3765	95	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	3770	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.1	64565	94	C9H12	120



Data File: P7072.D

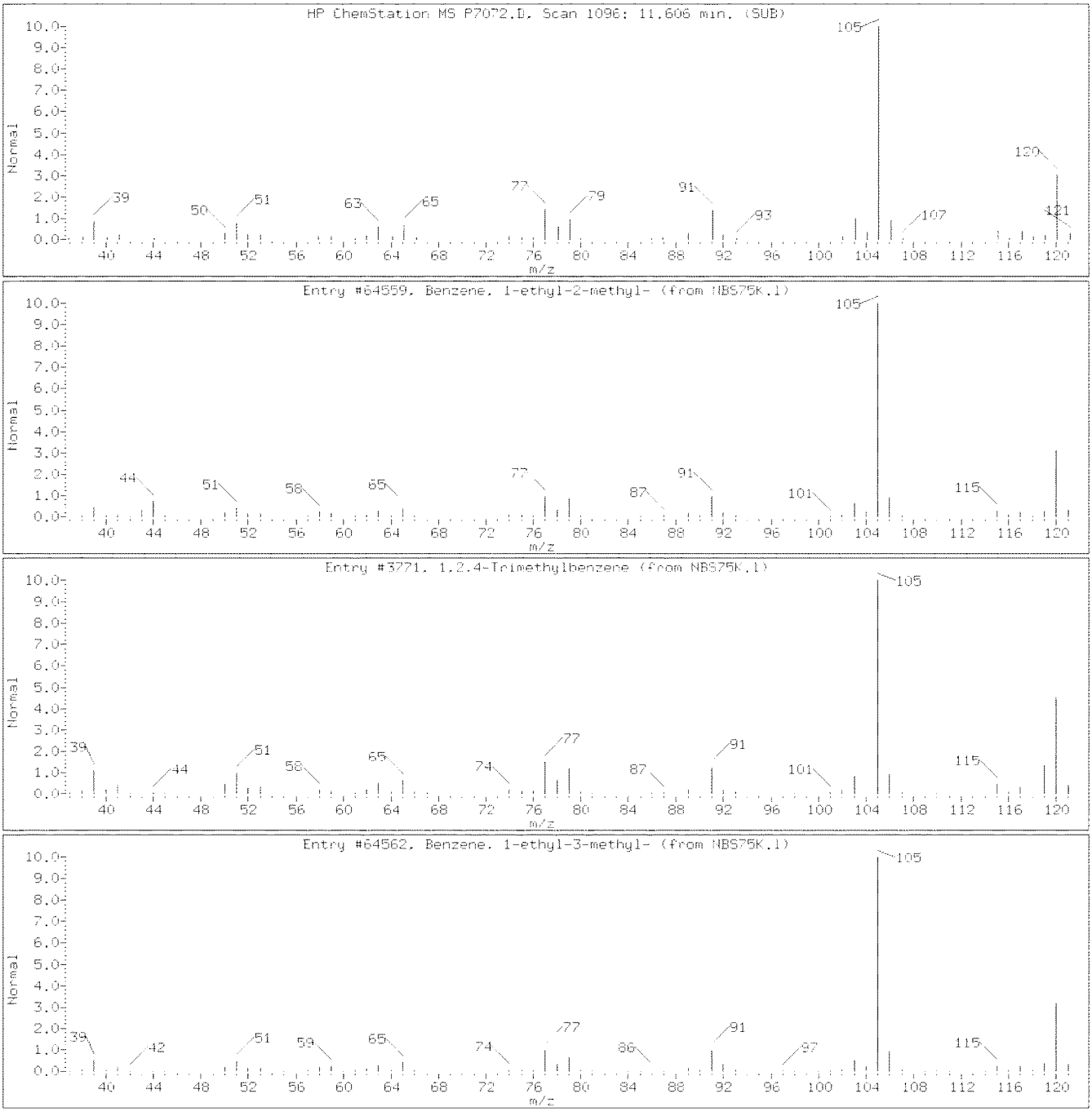
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 11.61

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64559	95	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.1	64562	91	C9H12	120



Data File: P7072.D

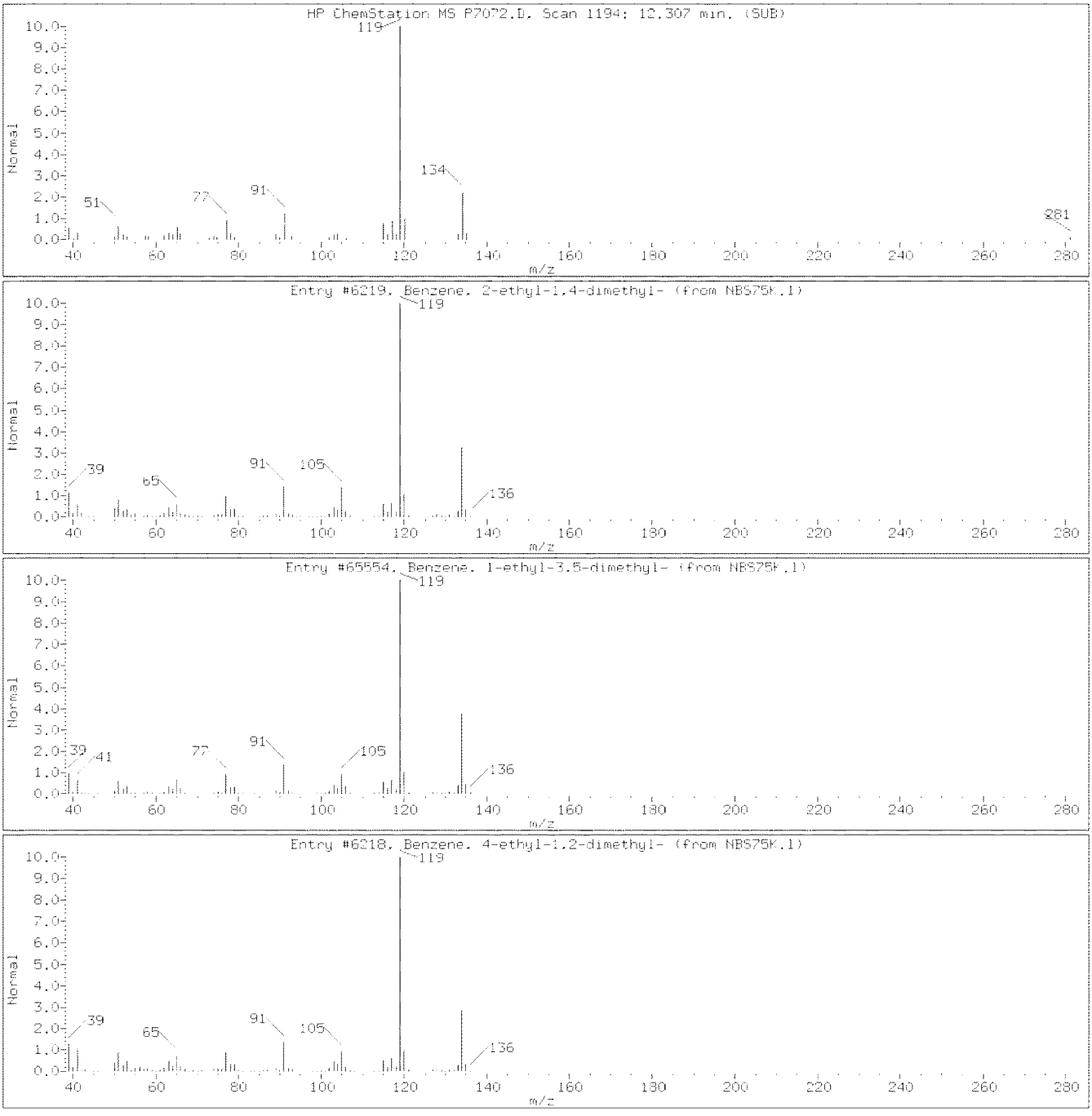
Date: 27-APR-2012 12:39

Client ID: MW02 Instrument: P.i

Sample Info: 280-28076-A-2,1,PH=7 Operator: MEIERG

Retention Time: 12.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.1	6219	91	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.1	65554	91	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.1	6218	91	C10H14	134



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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 115881

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2012 09:07 | Calibration End Date: 04/17/2012 10:59 | Calibration ID: 9091

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115881/2	P6751.D
Level 2	IC 280-115881/3	P6752.D
Level 3	IC 280-115881/4	P6753.D
Level 4	IC 280-115881/5	P6754.D
Level 5	IC 280-115881/6	P6755.D
Level 6	IC 280-115881/7	P6756.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 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++ 0.3443	0.3576	0.3742	0.3615	0.3364	Ave		0.3548				4.2		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 Denver | Job No.: 280-28076-1 | Analy Batch No.: 115881

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2012 09:07 | Calibration End Date: 04/17/2012 10:59 | Calibration ID: 9091

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115881/2	P6751.D
Level 2	IC 280-115881/3	P6752.D
Level 3	IC 280-115881/4	P6753.D
Level 4	IC 280-115881/5	P6754.D
Level 5	IC 280-115881/6	P6755.D
Level 6	IC 280-115881/7	P6756.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	FB	Ave	+++++ 2645419	94191	227912	481335	1317852	+++++ 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6751.D
Lab Smp Id: IC
Inj Date : 17-APR-2012 09:07
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,F1323876,001
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:55 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 13:17 Cal File: P6763.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 70 Fluorobenzene	96	7.987	7.987	(1.000)	1740943	12.5000		
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	319166	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.127	12.127	(1.000)	423562	12.5000		(Q)
6 1,2-Dichlorotetrafluoroethane	85	4.317	4.317	(0.540)	51401	1.00000	1.04018	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P6751.D

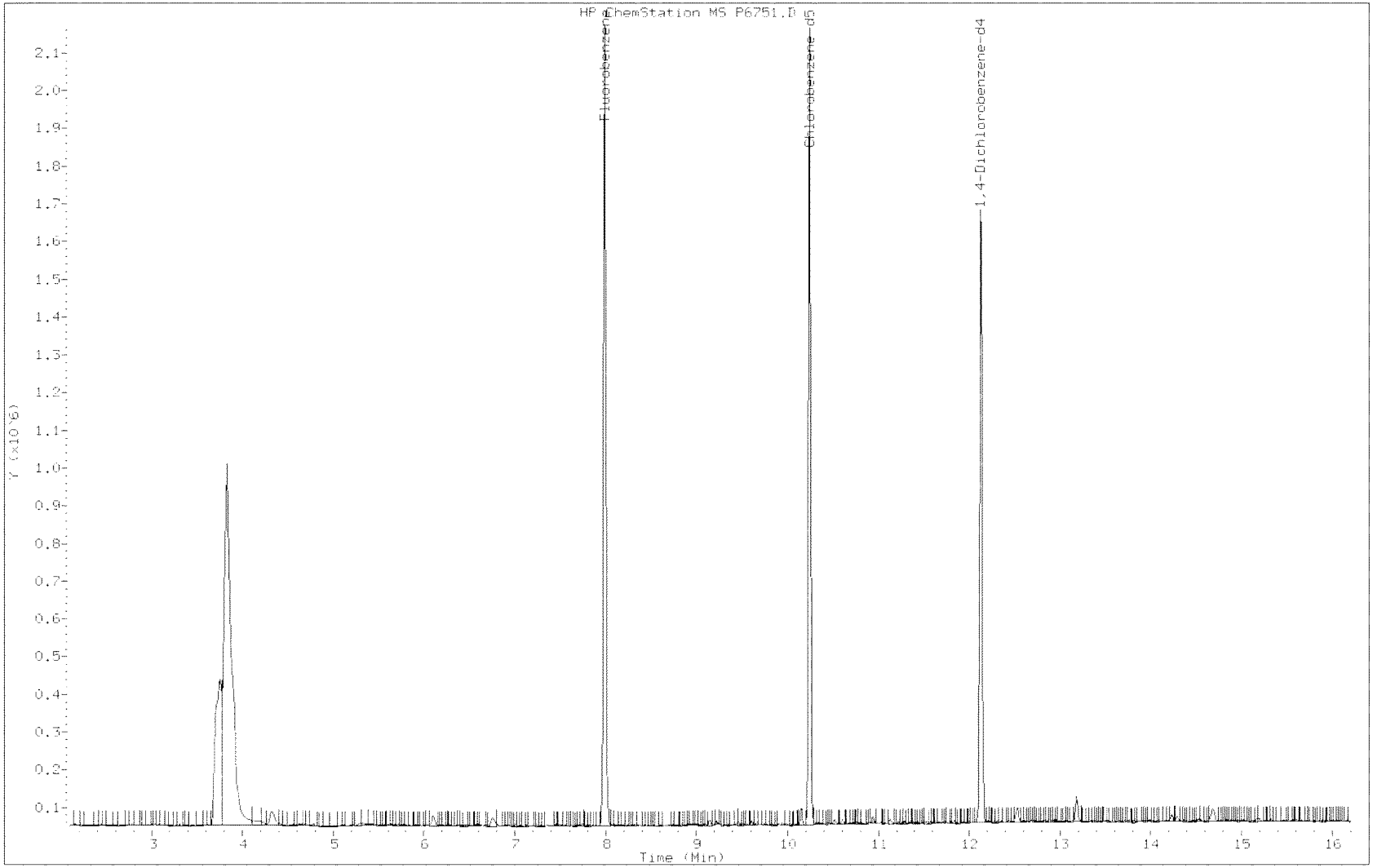
Date: 17-APR-2012 09:07

Client ID:

Instrument: P.i

Sample Info: IC,,F1323876,001

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6752.D
Lab Smp Id: IC
Inj Date : 17-APR-2012 09:41
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,F1323876,002
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:55 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 11:40 Cal File: P6758.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1646296	12.5000	
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	317937	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	418897	12.5000	
6 1,2-Dichlorotetrafluoroethane	85	4.328	4.328	(0.542)	94191	2.00000	2.01568

Data File: P6752.D

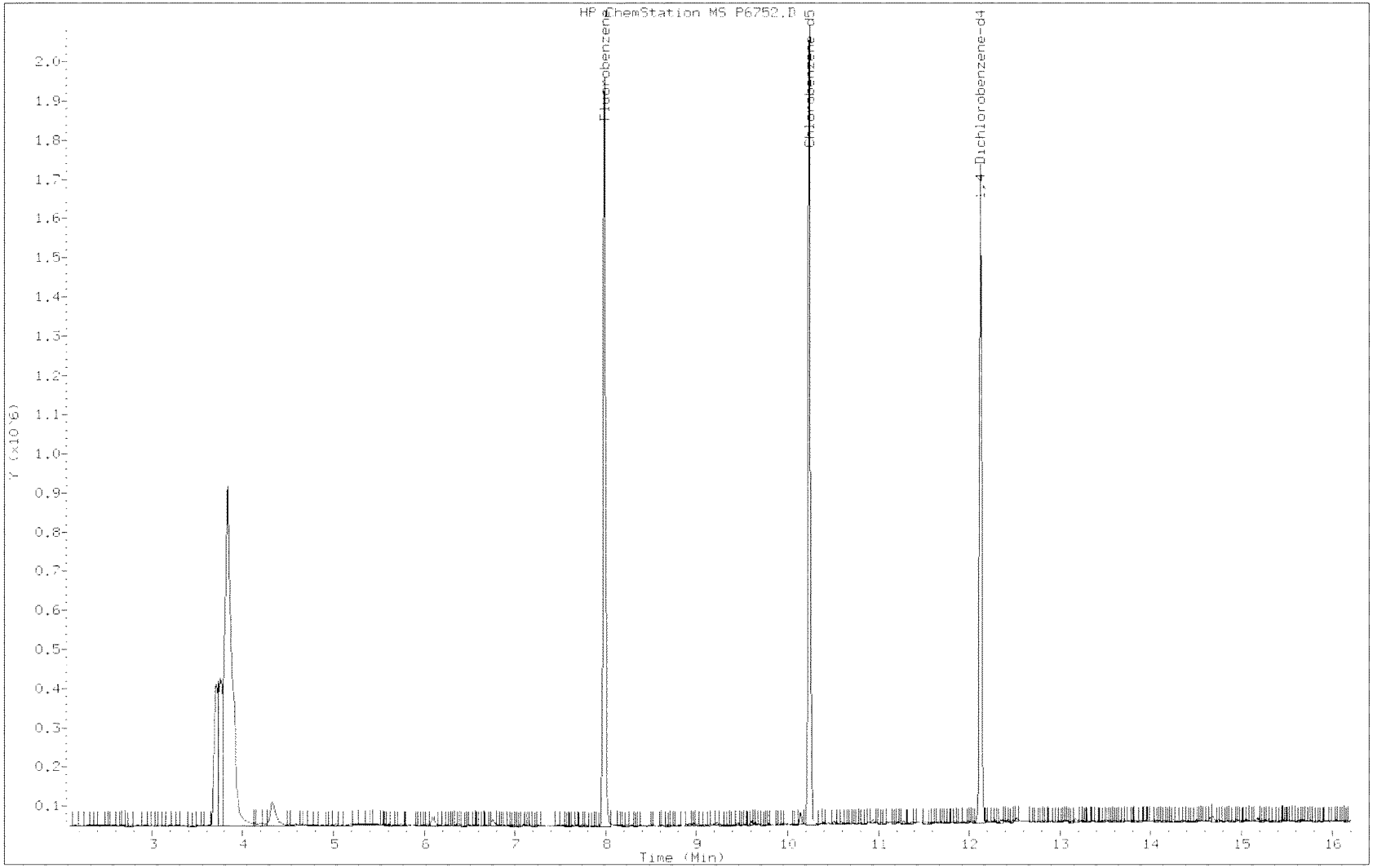
Date: 17-APR-2012 09:41

Client ID:

Instrument: P.i

Sample Info: IC,,F1323876,002

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6753.D
Lab Smp Id: IC
Inj Date : 17-APR-2012 10:00
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,F1323876,005
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:55 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 11:59 Cal File: P6759.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1522732	12.5000	
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	299036	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	404150	12.5000	
6 1,2-Dichlorotetrafluoroethane	85	4.330	4.330	(0.542)	227912	5.00000	5.27309

Data File: P6753.D

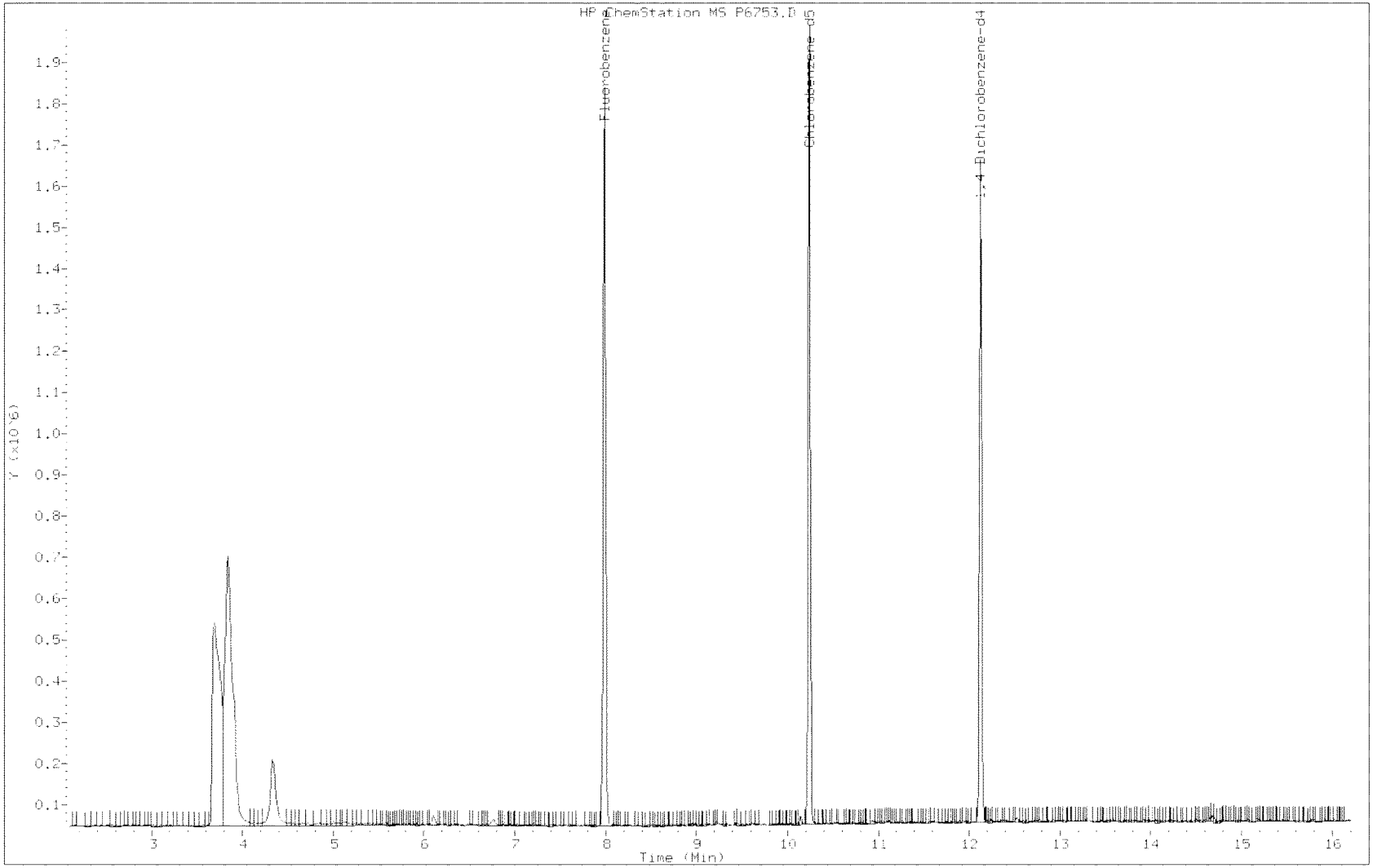
Date: 17-APR-2012 10:00

Client ID:

Instrument: P.i

Sample Info: IC,,F1323876,005

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6754.D
Lab Smp Id: IC
Inj Date : 17-APR-2012 10:20
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,F1323876,010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:55 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 12:19 Cal File: P6760.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1664180	12.5000	
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	316662	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	418395	12.5000	
6 1,2-Dichlorotetrafluoroethane	85	4.329	4.329	(0.542)	481335	10.0000	10.1899

Data File: P6754.D

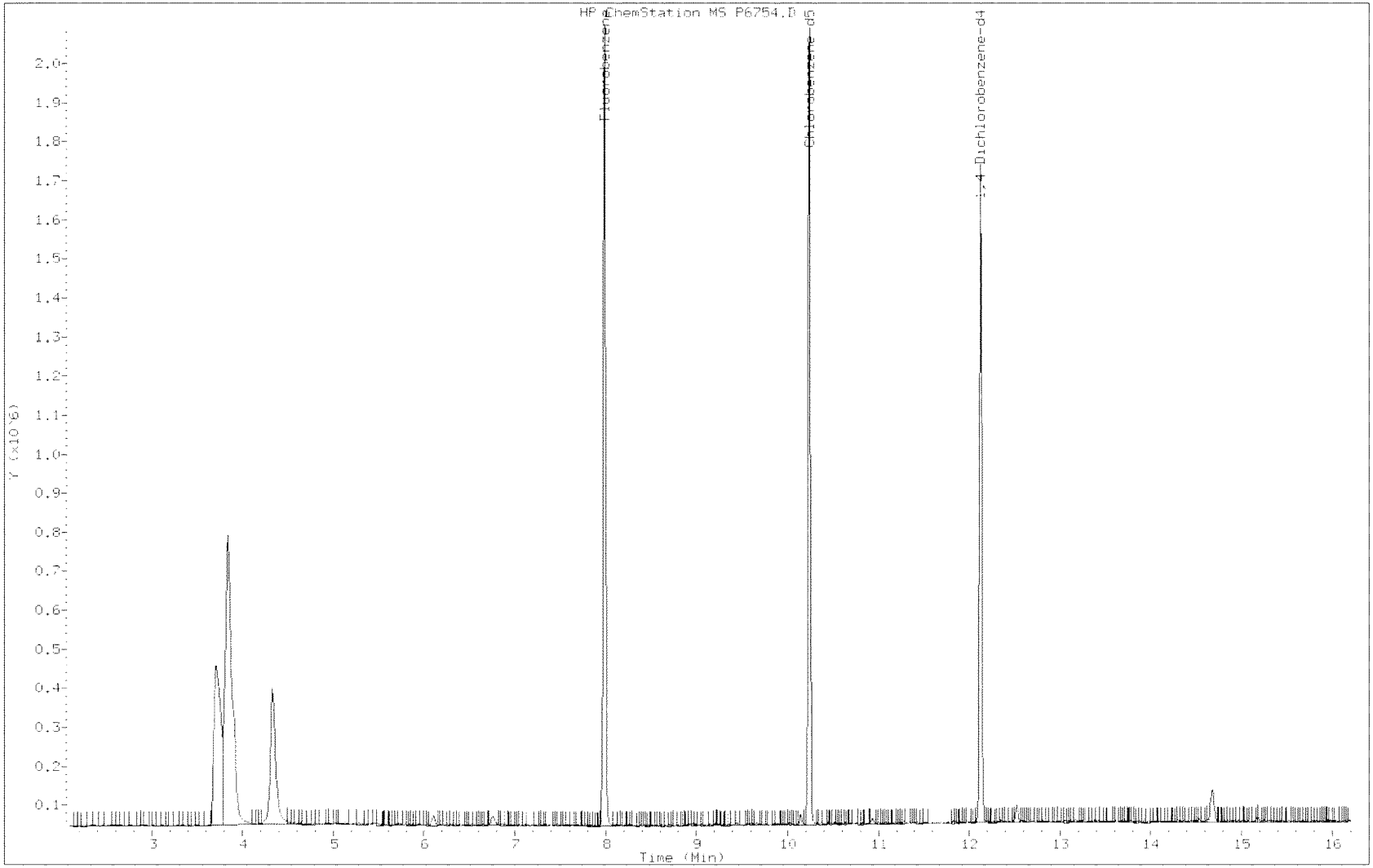
Date: 17-APR-2012 10:20

Client ID:

Instrument: P.i

Sample Info: IC,,F1323876,010

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6755.D
Lab Smp Id: IC
Inj Date : 17-APR-2012 10:39
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,F1323876,030
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:56 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 12:38 Cal File: P6761.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1632396	12.5000	
* 96 Chlorobenzene-d5	119	10.241	10.241	(1.000)	302738	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	406906	12.5000	
6 1,2-Dichlorotetrafluoroethane	85	4.329	4.329	(0.542)	1317852	30.0000	28.4421

Data File: P6755.D

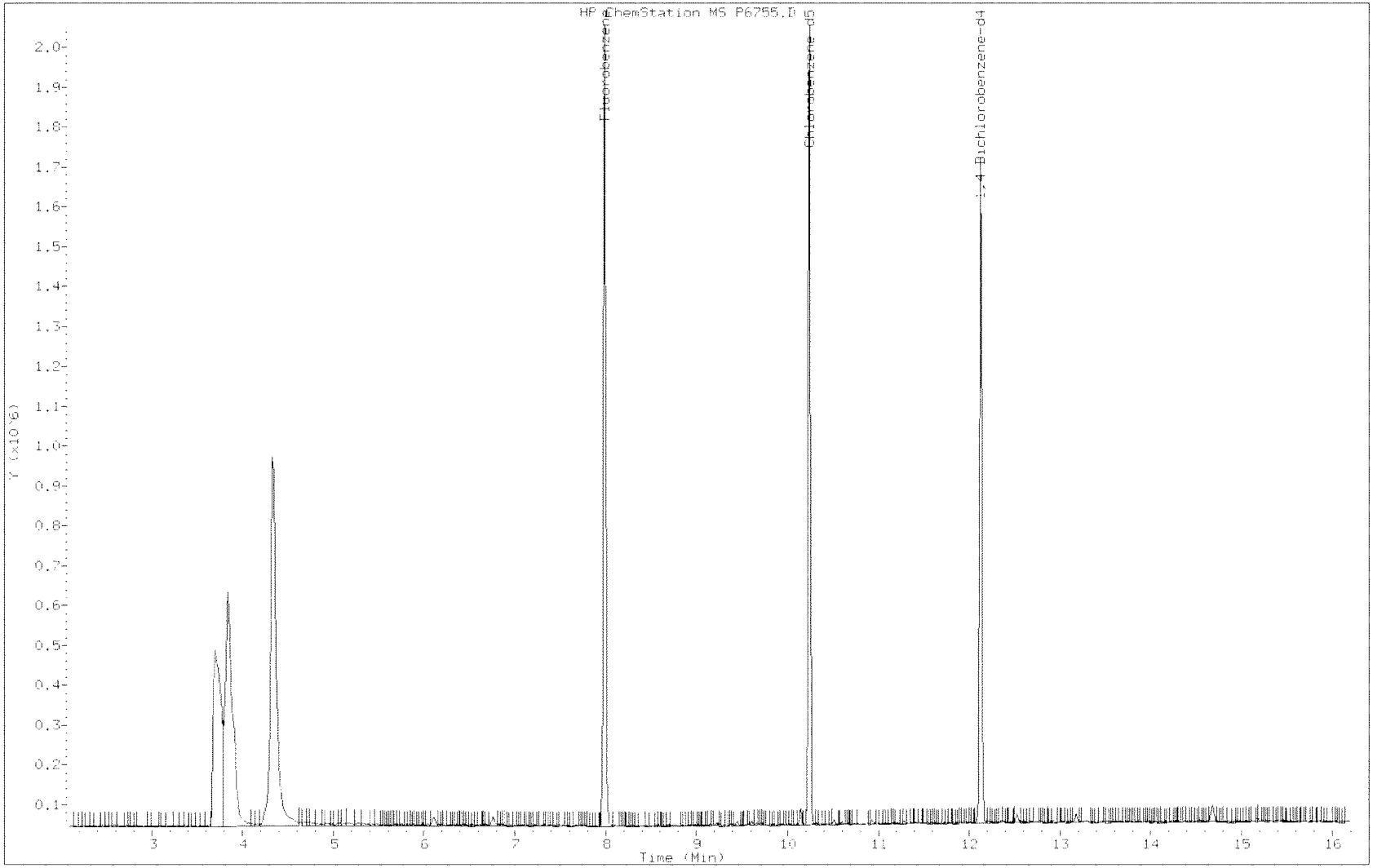
Date: 17-APR-2012 10:39

Client ID:

Instrument: P.i

Sample Info: IC,,F1323876,030

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6756.D
Lab Smp Id: IC
Inj Date : 17-APR-2012 10:59
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,F1323876,060
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:56 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 12:58 Cal File: P6762.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.989	7.989	(1.000)	1600579	12.5000	
* 96 Chlorobenzene-d5	119	10.241	10.241	(1.000)	295919	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	404256	12.5000	
6 1,2-Dichlorotetrafluoroethane	85	4.330	4.330	(0.542)	2645419	60.0000	58.2289

Data File: P6756.D

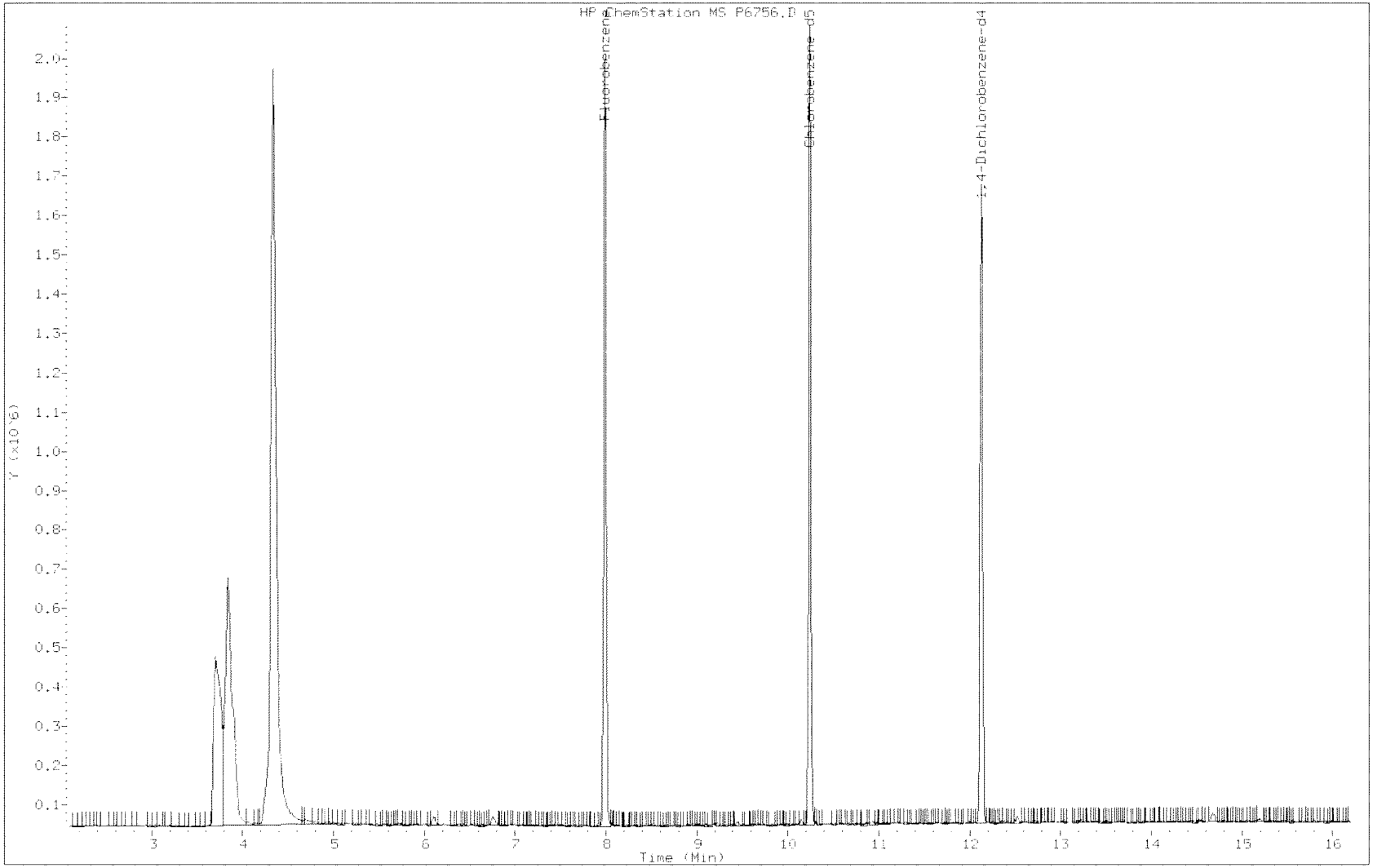
Date: 17-APR-2012 10:59

Client ID:

Instrument: P.i

Sample Info: IC,,F1323876,060

Operator: ILCZYSZD



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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115994/2	P6808.D
Level 2	IC 280-115994/3	P6809.D
Level 3	IC 280-115994/4	P6810.D
Level 4	IC 280-115994/5	P6811.D
Level 5	IC 280-115994/6	P6812.D
Level 6	IC 280-115994/7	P6813.D
Level 7	IC 280-115994/8	P6814.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								
1,2-Dichloroethene, Total	+++++ 0.2866	0.3439 0.2895	0.3135	0.2920	0.2935	Ave		0.3011				8.0		15.0			
Xylenes, Total	3.0807 2.6350	3.0750 2.6874	2.8323	2.6257	2.7126	Ave		2.8028				7.7		15.0			
Ethanol	+++++ 0.0009	+++++ 0.0009	0.0008	0.0009	0.0008	Ave		0.0009				7.1		15.0			
Dichlorodifluoromethane	+++++ 0.3667	0.3430 0.3425	0.3996	0.3844	0.3682	Ave		0.3674				6.1		15.0			
Chloromethane	+++++ 0.3087	0.3729 0.2931	0.3595	0.3367	0.3220	Ave		0.3321			0.1000	9.1		15.0			
Vinyl chloride	+++++ 0.3747	0.4399 0.3533	0.4120	0.4014	0.3805	Ave		0.3936				7.8		30.0			
Acrolein	+++++ 0.0120	0.0119 0.0119	0.0110	0.0107	0.0111	Ave		0.0114				4.9		15.0			
Acetone	+++++ 0.0252	0.0472 0.0243	0.0348	0.0275	0.0266	Lin2	-0.307	0.0239							0.9990		0.9900
Bromomethane	+++++ 0.2527	0.2877 0.2444	0.2739	0.2659	0.2521	Ave		0.2628				6.2		15.0			
Chloroethane	+++++ 0.2262	0.2735 0.2150	0.2407	0.2379	0.2294	Ave		0.2371				8.4		15.0			
Acetonitrile	+++++ 0.0084	0.0099 0.0081	0.0094	0.0085	0.0087	Ave		0.0088				7.4		15.0			
Trichlorofluoromethane	+++++ 0.5592	0.6514 0.4400	0.5679	0.5565	0.5431	Ave		0.5530				12.2		15.0			
1,1-Dichloroethene	0.3597 0.2714	0.3642 0.2826	0.3190	0.2989	0.2917	Ave		0.3125				11.8		30.0			
Iodomethane	0.4598 0.3829	0.4522 0.3838	0.4102	0.3926	0.3894	Ave		0.4101				8.0		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

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								
2-Butanone (MEK)	+++++ 0.0344	0.0373 0.0343	0.0328	0.0331	0.0330	Ave		0.0341				5.0		15.0			
tert-Butyl alcohol	+++++ 0.0064	0.0059 0.0064	0.0055	0.0055	0.0058	Ave		0.0059				6.9		15.0			
1,4-Dioxane	+++++ 0.0007	+++++ 0.0007	0.0006	0.0006	0.0007	Ave		0.0007				6.3		15.0			
Propionitrile	+++++ 0.0098	0.0098 0.0095	0.0094	0.0089	0.0097	Ave		0.0095				3.4		15.0			
Methylene Chloride	+++++ 0.2312	0.4057 0.2276	0.3129	0.2543	0.2486	Lin2	-0.064	0.2248							0.9995		0.9900
Acrylonitrile	0.0298 0.0268	0.0289 0.0264	0.0272	0.0251	0.0272	Ave		0.0273				5.7		15.0			
trans-1,2-Dichloroethene	0.3699 0.2949	0.3595 0.2987	0.3330	0.3031	0.3021	Ave		0.3230				9.7		15.0			
Isobutanol	+++++ 0.0023	0.0021 0.0023	0.0021	0.0019	0.0021	Ave		0.0021				6.6		15.0			
Diisopropyl ether	0.1807 0.1750	0.1877 0.1748	0.1744	0.1652	0.1731	Ave		0.1758				3.9		15.0			
1,1-Dichloroethane	0.6536 0.5579	0.6768 0.5590	0.6001	0.5716	0.5783	Ave		0.5996			0.1000	7.9		15.0			
Chloroprene	0.6857 0.6126	0.7357 0.6346	0.6600	0.6331	0.6374	Ave		0.6570				6.4		15.0			
cis-1,2-Dichloroethene	0.3147 0.2784	0.3282 0.2803	0.2941	0.2809	0.2849	Ave		0.2945				6.6		15.0			
2,2-Dichloropropane	+++++ 0.4950	0.5690 0.5036	0.5202	0.5091	0.5028	Ave		0.5166				5.2		15.0			
Methacrylonitrile	0.0548 0.0539	0.0567 0.0530	0.0541	0.0509	0.0542	Ave		0.0540				3.3		15.0			
Bromochloromethane	+++++ 0.0859	0.0898 0.0868	0.0895	0.0810	0.0848	Ave		0.0863				3.8		15.0			
Chloroform	0.5282 0.4838	0.5606 0.4826	0.5076	0.4836	0.4947	Ave		0.5059				5.8		30.0			
1,1,1-Trichloroethane	0.5574 0.4972	0.5761 0.5152	0.5180	0.5118	0.5121	Ave		0.5268				5.4		15.0			
1,1-Dichloropropene	0.5853 0.4757	0.5808 0.4915	0.5371	0.5076	0.4973	Ave		0.5250				8.3		15.0			
Carbon tetrachloride	+++++ 0.4143	0.4558 0.4354	0.4175	0.4200	0.4217	Ave		0.4275				3.7		15.0			
1,2-Dichloroethane	0.2836 0.2625	0.2838 0.2576	0.2686	0.2530	0.2686	Ave		0.2683				4.5		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

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								
Benzene	1.3471 1.0923	1.3366 1.0854	1.2232	1.1342	1.1267	Ave		1.1922				9.4		15.0			
n-Butanol	+++++ 0.0019	0.0047 0.0019	0.0027	0.0019	0.0018	Lin	-1.527	0.0019							0.9993		
2-Hexanone	+++++ 0.0523	0.0540 0.0519	0.0436	0.0453	0.0496	Ave		0.0494				8.4		15.0			
Trichloroethene	0.3164 0.2775	0.3156 0.2887	0.2947	0.2842	0.2835	Ave		0.2944				5.3		15.0			
1,2-Dichloropropane	0.2835 0.2446	0.2789 0.2459	0.2546	0.2379	0.2473	Ave		0.2561				7.0		30.0			
Dibromomethane	0.0908 0.0845	0.0882 0.0844	0.0835	0.0811	0.0879	Ave		0.0858				3.9		15.0			
Bromodichloromethane	0.2810 0.2879	0.2814 0.2920	0.2742	0.2615	0.2841	Ave		0.2803				3.6		15.0			
cis-1,3-Dichloropropene	1.6955 1.8108	1.8072 1.7963	1.6878	1.6097	1.8031	Ave		1.7443				4.6		15.0			
4-Methyl-2-pentanone (MIBK)	0.3644 0.4126	0.3881 0.4040	0.3858	0.3574	0.3906	Ave		0.3861				5.1		15.0			
Toluene	1.3929 1.1519	1.3926 1.1302	1.2740	1.1900	1.2033	Ave		1.2478				8.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.2549	0.2409 0.2553	0.2297	0.2244	0.2506	Ave		0.2426				5.5		15.0			
Bromoform	+++++ 0.3058	0.2753 0.3179	0.2598	0.2700	0.2976	Ave		0.2877			0.1000	7.9		15.0			
1,1,2-Trichloroethane	+++++ 0.1077	0.1183 0.1077	0.1081	0.1030	0.1118	Ave		0.1095				4.7		15.0			
1,3-Dichloropropane	1.2957 1.2036	1.2696 1.1778	1.2542	1.1160	1.2273	Ave		1.2206				5.0		15.0			
Tetrachloroethene	1.3218 1.1458	1.3557 1.2368	1.2469	1.1771	1.1591	Ave		1.2347				6.6		15.0			
Chlorodibromomethane	0.6138 0.7490	0.6823 0.7571	0.6323	0.6274	0.7306	Ave		0.6846				9.0		15.0			
1,2-Dibromoethane	0.5575 0.5526	0.5778 0.5452	0.5480	0.5144	0.5478	Ave		0.5490				3.4		15.0			
1-Chlorohexane	2.7552 2.2377	2.7243 2.3302	2.4660	2.3480	2.3783	Ave		2.4628				8.2		15.0			
Chlorobenzene	4.2629 3.4239	4.0138 3.4223	3.7317	3.4102	3.5743	Ave		3.6913			0.3000	9.0		15.0			
Ethylbenzene	2.6680 2.2576	2.6361 2.3517	2.4104	2.2519	2.2952	Ave		2.4101				7.2		30.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	1.0740 1.0728	1.0748 1.1226	1.0187	0.9699	1.0339	Ave		1.0524				4.7		15.0			
m-Xylene & p-Xylene	3.2394 2.6897	3.1746 2.7387	2.9310	2.7123	2.7847	Ave		2.8958				7.9		15.0			
o-Xylene	2.7633 2.5256	2.8758 2.5849	2.6350	2.4525	2.5686	Ave		2.6294				5.5		15.0			
Styrene	3.5657 3.7751	3.8067 3.8178	3.6187	3.4969	3.7586	Ave		3.6914				3.5		15.0			
Isopropylbenzene	6.6507 5.3217	6.7019 5.1641	5.9727	5.6685	5.5652	Ave		5.8635				10.4		15.0			
Cyclohexanone	0.0201 0.0185	0.0177 0.0184	0.0169	0.0167	0.0178	Ave		0.0180				6.3		15.0			
1,1,2,2-Tetrachloroethane	0.4338 0.4280	0.4302 0.4140	0.4381	0.3967	0.4306	Ave		0.4245			0.3000	3.4		15.0			
1,2,3-Trichloropropane	+++++ 0.1228	0.1203 0.1188	0.1279	0.1089	0.1233	Ave		0.1204				5.3		15.0			
N-Propylbenzene	1.8415 1.4813	1.7592 1.5331	1.5862	1.5251	1.5196	Ave		1.6066				8.6		15.0			
Bromobenzene	0.9761 0.8750	1.0000 0.8818	0.8967	0.8548	0.8673	Ave		0.9074				6.3		15.0			
1,3,5-Trimethylbenzene	+++++ 4.3457	5.1509 4.2628	4.7360	4.5026	4.4691	Ave		4.5779				7.1		15.0			
2-Chlorotoluene	1.4050 1.1084	1.3080 1.1403	1.1891	1.1255	1.1271	Ave		1.2005				9.4		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0555	+++++ 0.0543	0.0354	0.0428	0.0534	Lin1	0.0629	0.0557							0.9991		0.9900
4-Chlorotoluene	1.3749 1.0997	1.2883 1.1003	1.1463	1.1096	1.0977	Ave		1.1738				9.5		15.0			
tert-Butylbenzene	5.0245 4.3002	5.0344 4.3738	4.6202	4.4136	4.4106	Ave		4.5967				6.8		15.0			
1,2,4-Trimethylbenzene	4.9261 4.2499	5.0119 4.1934	4.5661	4.3234	4.3752	Ave		4.5209				7.3		15.0			
sec-Butylbenzene	1.2719 1.1550	1.3166 1.2349	1.2261	1.2315	1.1984	Ave		1.2335				4.2		15.0			
p-Isopropyltoluene	5.6405 4.7646	5.7020 4.7359	5.1949	5.0590	4.9074	Ave		5.1435				7.7		15.0			
1,3-Dichlorobenzene	2.0622 1.8592	2.1322 1.8566	1.9507	1.8368	1.9011	Ave		1.9427				5.9		15.0			
1,4-Dichlorobenzene	2.1320 1.7660	2.0105 1.7707	1.8910	1.7688	1.8039	Ave		1.8776				7.6		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Butylbenzene	6.0943 4.9854	6.1487 4.9389	5.5219	5.4276	5.2900	Ave		5.4867				8.8		15.0			
1,2-Dichlorobenzene	1.6207 1.4505	1.6671 1.4382	1.4961	1.4517	1.4937	Ave		1.5169				6.0		15.0			
1,2,4-Trichlorobenzene	+++++ 0.9425	1.0325 0.9219	0.9392	0.9184	0.9500	Ave		0.9508				4.4		15.0			
Hexachlorobutadiene	0.8993 0.7621	0.9008 0.7833	0.8474	0.8105	0.7809	Ave		0.8263				6.9		15.0			
Naphthalene	+++++ 1.2565	1.2634 1.2162	1.1695	1.1807	1.2621	Ave		1.2248				3.5		15.0			
1,2,3-Trichlorobenzene	+++++ 0.6987	0.7387 0.6722	0.7013	0.6974	0.7186	Ave		0.7045				3.2		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: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115994/2	P6808.D
Level 2	IC 280-115994/3	P6809.D
Level 3	IC 280-115994/4	P6810.D
Level 4	IC 280-115994/5	P6811.D
Level 5	IC 280-115994/6	P6812.D
Level 6	IC 280-115994/7	P6813.D
Level 7	IC 280-115994/8	P6814.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
1,2-Dichloroethene, Total	FB	Ave	+++++ 2329281	93034 4928899	166787	379614	748478	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	76956 6008733	228964 12883265	414490	963925	1925584	0.900 90.0	3.00 180	6.00	15.0	30.0
Ethanol	FB	Ave	+++++ 187612	+++++ 376481	10112	27929	53825	+++++ 1500	+++++ 3000	100	250	500
Dichlorodifluoromethane	FB	Ave	+++++ 1490075	46400 2916031	106283	249876	469479	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 1254294	50441 2495147	95610	218887	410550	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 1522340	59501 3007536	109568	260958	485214	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 485862	16141 1013603	29161	69739	142069	+++++ 300	10.0 600	20.0	50.0	100
Acetone	FB	Lin2	+++++ 410348	25561 827642	37019	71621	135905	+++++ 120	4.00 240	8.00	20.0	40.0
Bromomethane	FB	Ave	+++++ 1026894	38919 2080975	72839	172843	321382	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 919085	36995 1830766	64010	154669	292512	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 342442	13332 690148	24879	55424	110339	+++++ 300	10.0 600	20.0	50.0	100
Trichlorofluoromethane	FB	Ave	+++++ 2272333	88114 3745571	151044	361735	692435	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloroethene	FB	Ave	16184 1102925	49266 2406074	84839	194321	371968	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	20686 1555792	61172 3267913	109110	255217	496499	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 559375	20199 1169151	34869	85949	168206	+++++ 120	4.00 240	8.00	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
tert-Butyl alcohol	FB	Ave	+++++ 518578	15897 1084747	29214	71006	148037	+++++ 600	20.0 1200	40.0	100	200
1,4-Dioxane	FB	Ave	+++++ 146030	+++++ 302564	8519	20319	44592	+++++ 1500	+++++ 3000	100	250	500
Propionitrile	FB	Ave	+++++ 396183	13218 810114	24970	57885	123089	+++++ 300	10.0 600	20.0	50.0	100
Methylene Chloride	FB	Lin2	+++++ 939449	54881 1937343	83218	165330	317032	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	13399 1088632	39077 2251085	72365	163109	346326	3.00 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	16639 1198137	48636 2542935	88554	197017	385238	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isobutanol	FB	Ave	+++++ 184605	5552 384560	11050	24677	53436	+++++ 600	20.0 1200	40.0	100	200
Diisopropyl ether	FB	Ave	40649 3555234	126926 7439418	231956	536951	1103735	1.50 150	5.00 300	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	29402 2266879	91558 4759262	159616	371549	737362	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Chloroprene	FB	Ave	30847 2489253	99524 5402699	175535	411570	812693	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	14158 1131144	44398 2385964	78233	182597	363240	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 2011228	76968 4287776	138359	330961	641142	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	24664 2191357	76681 4515548	143823	330881	691286	3.00 300	10.0 600	20.0	50.0	100
Bromochloromethane	FB	Ave	+++++ 349148	12152 739219	23812	52670	108186	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	23764 1965698	75831 4108958	135000	314397	630800	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	25075 2020152	77926 4386529	137771	332696	652965	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	26329 1932902	78566 4184776	142838	329969	634026	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1683427	61655 3707101	111044	273043	537645	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	12758 1066409	38394 2193427	71448	164448	342538	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	60601 4438278	180805 9240626	325324	737321	1436602	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butanol	FB	Lin	+++++ 230218	19212 481062	21682	37376	70181	+++++ 900	30.0 1800	60.0	150	300

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Hexanone	FB	Ave	+++++ 849445	29226 1767649	46399	117685	253052	+++++ 120	4.00 240	8.00	20.0	40.0
Trichloroethene	FB	Ave	14235 1127414	42691 2457911	78371	184769	361483	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	12753 993916	37724 2093891	67709	154663	315275	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	4084 343170	11930 718143	22215	52709	112043	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromodichloromethane	FB	Ave	12642 1169686	38067 2485800	72926	169975	362238	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Ave	14118 1376383	44854 2870485	82331	196985	426638	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	12138 1254465	38529 2582018	75284	174953	369680	1.20 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	62661 4680287	188381 9622110	338838	773584	1534234	0.300 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 1035687	32589 2173381	61086	145852	319520	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromoform	CBZ	Ave	+++++ 232431	6832 507953	12671	33035	70410	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 437567	16009 917046	28752	66980	142588	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	10789 914849	31512 1882036	61181	136568	290400	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	11006 870957	33647 1976383	60827	144043	274260	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	5111 569327	16934 1209756	30845	76772	172882	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	4642 420042	14341 871140	26733	62945	129630	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	22941 1700879	67616 3723564	120296	287321	562750	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	35495 2602567	99620 5468712	182039	417309	845739	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	22215 1716023	65428 3757888	117580	275568	543087	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	8943 815484	26676 1793863	49694	118686	244640	0.300 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	53947 4088992	157587 8752684	285951	663806	1317811	0.600 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	23009 1919741	71377 4130581	128539	300119	607773	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

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
Styrene	CBZ	Ave	29690 2869497	94480 6100776	176524	427914	889362	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl benzene	DCB	Ave	71406 5397693	215513 11220512	384001	920382	1779080	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	6691 562718	17611 1176966	32994	81812	168519	12.0 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Ave	4658 434121	13834 899496	28168	64412	137662	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 124599	3870 258141	8226	17683	39410	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propyl benzene	DCB	Ave	19772 1502430	56570 3330995	101979	247624	485788	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	10480 887462	32156 1915976	57649	138799	277260	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethyl benzene	DCB	Ave	+++++ 4407720	165637 9262210	304493	731079	1428683	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	15085 1124197	42061 2477689	76452	182751	360320	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	+++++ 56243	+++++ 117924	2278	6945	17082	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	14762 1115373	41427 2390762	73696	180169	350903	0.300 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butyl benzene	DCB	Ave	53946 4361624	161891 9503211	297046	716623	1409952	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethyl benzene	DCB	Ave	52890 4310609	161167 9111408	293570	701990	1398645	0.300 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butyl benzene	DCB	Ave	13656 1171510	42339 2683264	78828	199953	383104	0.300 30.0	1.00 60.0	2.00	5.00	10.0
p-Isopropyltoluene	DCB	Ave	60560 4832688	183358 10290033	333996	821418	1568789	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	22141 1885735	68565 4033887	125417	298235	607738	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	22891 1791258	64652 3847421	121579	287201	576680	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butyl benzene	DCB	Ave	65432 5056557	197723 10731051	355021	881280	1691084	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	17401 1471227	53609 3124994	96191	235718	477488	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 955998	33201 2003136	60381	149127	303706	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9656 773024	28966 1701975	54482	131600	249643	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115994

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/18/2012 07:36 | Calibration End Date: 04/18/2012 09:32 | Calibration ID: 9103

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
Naphthalene	DCB	Ave	+++++ 1274442	40627 2642582	75194	191715	403473	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 708710	23755 1460598	45091	113232	229734	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6808.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 07:36
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,M0.3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 11:59 Cal File: P6759.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70	Fluorobenzene	96	7.982	7.982	(1.000)	1874479	12.5000	
* 96	Chlorobenzene-d5	119	10.242	10.242	(1.000)	346941	12.5000	
* 122	1,4-Dichlorobenzene-d4	152	12.130	12.130	(1.000)	447361	12.5000	
M 1	1,2-Dichloroethene (total)	96				30797	0.60000	0.664094(a)
M 2	Xylene (total)	106				76956	0.90000	0.986488(a)
M 3	Trihalomethane (total)	100				41517	1.20000	0.882995
M 4	1,3-Dichloropropene (total)	100				23588	0.60000	0.551893
7	Chloromethane	50	4.383	4.383	(0.549)	19660	0.30000	0.394723(a)
10	Bromomethane	94	4.928	4.928	(0.617)	14057	0.30000	0.356724(a)
11	Chloroethane	64	4.998	4.998	(0.626)	13469	0.30000	0.378786(a)
14	Trichlorofluoromethane	101	5.291	5.291	(0.663)	27794	0.30000	0.335162(a)
13	Ethanol	45	Compound Not Detected.					
19	Acrolein	56	Compound Not Detected.					
20	Acetone	43	Compound Not Detected.					
23	1,1-Dichloroethene	96	5.730	5.730	(0.718)	16184	0.30000	0.345334(a)
27	Iodomethane	142	5.923	5.923	(0.742)	20686	0.30000	0.336334(a)
26	Acetonitrile	41	Compound Not Detected.					
30	tert-Butyl alcohol	59	6.052	6.052	(0.758)	4906	6.00000	5.54716(aQ)
34	Acrylonitrile	53	6.266	6.266	(0.785)	13399	3.00000	3.26840(a)
36	trans-1,2-Dichloroethene	96	6.324	6.324	(0.792)	16639	0.30000	0.343504(a)
44	Isopropyl ether	87	6.588	6.588	(0.825)	40649	1.50000	1.54156(a)
45	1,1-Dichloroethane	63	6.645	6.645	(0.833)	29402	0.30000	0.326990(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
47	Chloroprene	53	6.717	6.717	(0.841)	30847	0.30000	0.313088(a)
51	2-Butanone	43	Compound Not Detected.					
53	cis-1,2-Dichloroethene	96	7.096	7.096	(0.889)	14158	0.30000	0.320591(a)
52	Propionitrile	54	Compound Not Detected.					
54	2,2-Dichloropropane	77	7.124	7.124	(0.893)	24918	0.30000	0.321636(a)
55	Methacrylonitrile	41	7.239	7.239	(0.907)	24664	3.00000	3.04843(a)
56	Bromochloromethane	128	7.303	7.303	(0.915)	3906	0.30000	0.301711(a)
57	Chloroform	83	7.303	7.303	(0.915)	23764	0.30000	0.313257(a)
61	1,1,1-Trichloroethane	97	7.525	7.525	(0.943)	25075	0.30000	0.317400(a)
60	Isobutanol	41	Compound Not Detected.					
63	1,1-Dichloropropene	75	7.618	7.618	(0.954)	26329	0.30000	0.334412(a)
64	Carbon Tetrachloride	117	7.661	7.661	(0.960)	19286	0.30000	0.300873(a)
66	1,2-Dichloroethane	62	7.804	7.804	(0.978)	12758	0.30000	0.317154(a)
68	Benzene	78	7.811	7.811	(0.979)	60601	0.30000	0.338967(a)
69	n-Butanol	56	7.982	7.982	(1.000)	16071	9.00000	38.8667(a)
72	Trichloroethene	130	8.261	8.261	(1.035)	14235	0.30000	0.322474(a)
75	1,2-Dichloropropane	63	8.454	8.454	(1.059)	12753	0.30000	0.332078(a)
77	1,4-Dioxane	88	Compound Not Detected.					
78	Dibromomethane	93	8.554	8.554	(1.072)	4084	0.30000	0.317593(a)
79	Bromodichloromethane	83	8.619	8.619	(1.080)	12642	0.30000	0.300772(a)
82	cis-1,3-Dichloropropene	75	8.933	8.933	(0.872)	14118	0.30000	0.291606(a)
83	4-Methyl-2-pentanone	43	8.983	8.983	(0.877)	12138	1.20000	1.13258(a)
85	Toluene	91	9.198	9.198	(1.152)	62661	0.30000	0.334867(a)
87	trans-1,3-Dichloropropene	75	9.298	9.298	(1.165)	9470	0.30000	0.260287(a)
89	2-Hexanone	43	Compound Not Detected.					
90	1,3-Dichloropropane	76	9.606	9.606	(0.938)	10789	0.30000	0.318465(a)
91	Tetrachloroethene	164	9.613	9.613	(0.939)	11006	0.30000	0.321149(a)
92	Dibromochloromethane	129	9.799	9.799	(0.957)	5111	0.30000	0.268966(a)
94	1,2-Dibromoethane	107	9.927	9.927	(0.969)	4642	0.30000	0.304616(a)
95	1-Chlorohexane	91	10.142	10.142	(0.990)	22941	0.30000	0.335612(aQ)
97	Chlorobenzene	112	10.263	10.263	(1.002)	35495	0.30000	0.346452(a)
98	1,1,1,2-Tetrachloroethane	131	10.299	10.299	(1.006)	8943	0.30000	0.306168(a)
99	Ethylbenzene	106	10.292	10.292	(1.005)	22215	0.30000	0.332095(a)
100	m and p-Xylene	106	10.363	10.363	(1.012)	53947	0.60000	0.671208
102	o-Xylene	106	10.692	10.692	(1.044)	23009	0.30000	0.315280(a)
101	Styrene	104	10.699	10.699	(1.045)	29690	0.30000	0.289787(a)
103	Bromoform	173	Compound Not Detected.					
104	isopropyl benzene	105	10.957	10.957	(0.903)	71406	0.30000	0.340272(a)
106	Cyclohexanone	55	11.121	11.121	(1.086)	6691	12.0000	13.3740(a)
108	1,1,2,2-Tetrachloroethane	83	11.186	11.186	(0.922)	4658	0.30000	0.306603(a)
110	1,2,3-Trichloropropane	110	11.257	11.257	(0.928)	1469	0.30000	0.341043(aQ)
112	Bromobenzene	156	11.307	11.307	(0.932)	10480	0.30000	0.322719(a)
111	n-Propylbenzene	120	11.286	11.286	(0.930)	19772	0.30000	0.343879(a)
114	2-Chlorotoluene	126	11.429	11.429	(0.942)	15085	0.30000	0.351104(a)
113	1,3,5-Trimethylbenzene	105	11.400	11.400	(0.940)	55037	0.30000	0.335927(a)
115	4-Chlorotoluene	126	11.500	11.500	(0.948)	14762	0.30000	0.351395(a)
116	tert-Butylbenzene	119	11.708	11.708	(0.965)	53946	0.30000	0.327915(a)
117	1,2,4-Trimethylbenzene	105	11.743	11.743	(0.968)	52890	0.30000	0.326891(a)
119	sec-Butylbenzene	134	11.894	11.894	(0.981)	13656	0.30000	0.309342(a)
120	4-Isopropyltoluene	119	11.994	11.994	(0.989)	60560	0.30000	0.328989(a)
121	1,3-Dichlorobenzene	146	12.079	12.079	(0.996)	22141	0.30000	0.318456
123	1,4-dichlorobenzene	146	12.151	12.151	(1.002)	22891	0.30000	0.340656
125	n-Butylbenzene	91	12.373	12.373	(1.020)	65432	0.30000	0.333222(a)
127	1,2-Dichlorobenzene	146	12.537	12.537	(1.034)	17401	0.30000	0.320536
128	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

EPAPAV0011620

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
131 Hexachlorobutadiene	225	14.496	14.496	(1.195)	9656	0.30000	0.326504(a)
132 Naphthalene	128	14.754	14.754	(1.216)	12300	0.30000	0.280613(a)
133 1,2,3-Trichlorobenzene	180	15.097	15.097	(1.245)	7465	0.30000	0.296072(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: P6808.D

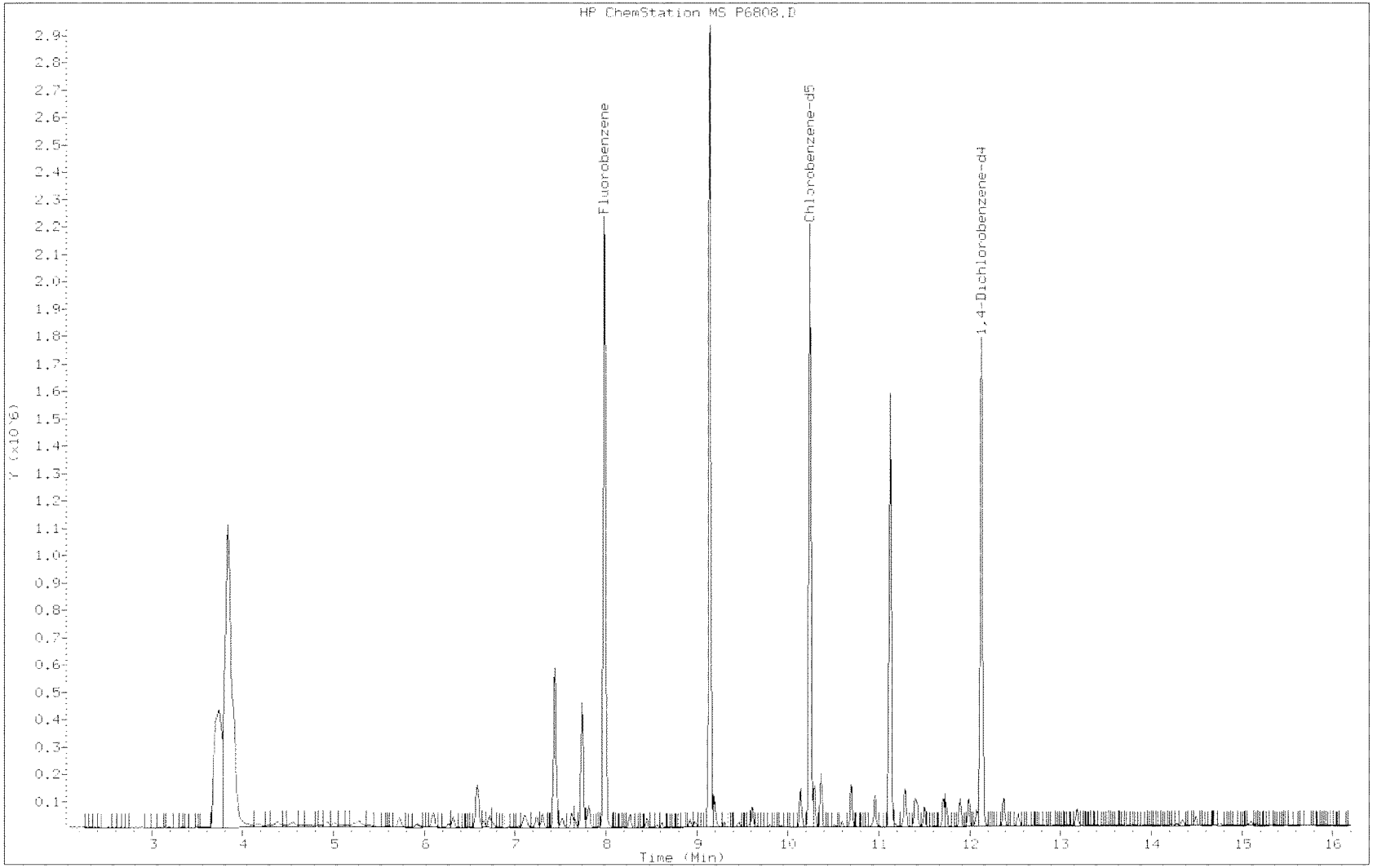
Date: 18-APR-2012 07:36

Client ID:

Instrument: P.i

Sample Info: IC,,M0.3

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6809.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 07:55
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,M001
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 18-APR-2012 07:36 Cal File: P6808.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70	Fluorobenzene	96	7.981	7.981	(1.000)	1690933	12.5000	
* 96	Chlorobenzene-d5	119	10.233	10.233	(1.000)	310245	12.5000	
* 122	1,4-Dichlorobenzene-d4	152	12.113	12.113	(1.000)	401961	12.5000	
M 1	1,2-Dichloroethene (total)	96				93034	2.00000	2.22752
M 2	Xylene (total)	106				228964	3.00000	3.28633
M 3	Trihalomethane (total)	100				137664	4.00000	4.06542
M 4	1,3-Dichloropropene (total)	100				77443	2.00000	2.02899
5	dichlorodifluoromethane	85	4.163	4.163	(0.522)	46400	1.00000	0.933584(aQ)
7	Chloromethane	50	4.386	4.386	(0.550)	50441	1.00000	1.12266(a)
8	Vinyl Chloride	62	4.554	4.554	(0.571)	59501	1.00000	1.11746
10	Bromomethane	94	4.931	4.931	(0.618)	38919	1.00000	1.09485(a)
11	Chloroethane	64	5.001	5.001	(0.627)	36995	1.00000	1.15334(a)
14	Trichlorofluoromethane	101	5.280	5.280	(0.662)	88114	1.00000	1.17789(a)
13	Ethanol	45	Compound Not Detected.					
19	Acrolein	56	5.600	5.600	(0.702)	16141	10.0000	10.4316(a)
20	Acetone	43	5.707	5.707	(0.715)	25561	4.00000	4.06896(a)
23	1,1-Dichloroethene	96	5.721	5.721	(0.717)	49266	1.00000	1.16534
27	Iodomethane	142	5.914	5.914	(0.741)	61172	1.00000	1.10256
26	Acetonitrile	41	5.971	5.971	(0.748)	13332	10.0000	11.1733(a)
30	tert-Butyl alcohol	59	6.050	6.050	(0.758)	15897	20.0000	19.9256(aQ)
33	Methylene Chloride	84	6.093	6.093	(0.763)	54881	1.00000	1.00656
34	Acrylonitrile	53	6.265	6.265	(0.785)	39077	10.0000	10.5667(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
36	trans-1,2-Dichloroethene	96	6.315	6.315	(0.791)	48636	1.00000	1.11305
44	Isopropyl ether	87	6.579	6.579	(0.824)	126926	5.00000	5.33599(a)
45	1,1-Dichloroethane	63	6.651	6.651	(0.833)	91558	1.00000	1.12878
47	Chloroprene	53	6.708	6.708	(0.841)	99524	1.00000	1.11978
51	2-Butanone	43	7.037	7.037	(0.882)	20199	4.00000	4.37267(a)
53	cis-1,2-Dichloroethene	96	7.087	7.087	(0.888)	44398	1.00000	1.11447
52	Propionitrile	54	7.116	7.116	(0.892)	13218	10.0000	10.2884
54	2,2-Dichloropropane	77	7.116	7.116	(0.892)	76968	1.00000	1.10132(a)
55	Methacrylonitrile	41	7.237	7.237	(0.907)	76681	10.0000	10.5064
56	Bromochloromethane	128	7.294	7.294	(0.914)	12152	1.00000	1.04054
57	Chloroform	83	7.301	7.301	(0.915)	75831	1.00000	1.10811
61	1,1,1-Trichloroethane	97	7.516	7.516	(0.942)	77926	1.00000	1.09346
60	Isobutanol	41	7.494	7.494	(0.939)	5552	20.0000	19.4620(aQ)
63	1,1-Dichloropropene	75	7.616	7.616	(0.954)	78566	1.00000	1.10621
64	Carbon Tetrachloride	117	7.652	7.652	(0.959)	61655	1.00000	1.06626
66	1,2-Dichloroethane	62	7.795	7.795	(0.977)	38394	1.00000	1.05805
68	Benzene	78	7.802	7.802	(0.978)	180805	1.00000	1.12109
69	n-Butanol	56	7.981	7.981	(1.000)	19212	30.0000	57.6200
72	Trichloroethene	130	8.260	8.260	(1.035)	42691	1.00000	1.07208
75	1,2-Dichloropropane	63	8.445	8.445	(1.058)	37724	1.00000	1.08893
77	1,4-Dioxane	88	Compound Not Detected.					
78	Dibromomethane	93	8.546	8.546	(1.071)	11930	1.00000	1.02844
79	Bromodichloromethane	83	8.617	8.617	(1.080)	38067	1.00000	1.00398
82	cis-1,3-Dichloropropene	75	8.917	8.917	(0.871)	44854	1.00000	1.03604
83	4-Methyl-2-pentanone	43	8.975	8.975	(0.877)	38529	4.00000	4.02032(a)
85	Toluene	91	9.189	9.189	(1.151)	188381	1.00000	1.11601
87	trans-1,3-Dichloropropene	75	9.289	9.289	(1.164)	32589	1.00000	0.992950(a)
88	1,1,2-Trichloroethane	97	9.454	9.454	(1.185)	16009	1.00000	1.08123
89	2-Hexanone	43	9.561	9.561	(1.198)	29226	4.00000	4.36946(a)
90	1,3-Dichloropropane	76	9.597	9.597	(0.938)	31512	1.00000	1.04018
91	Tetrachloroethene	164	9.604	9.604	(0.939)	33647	1.00000	1.09793
92	Dibromochloromethane	129	9.790	9.790	(0.957)	16934	1.00000	0.996557(a)
94	1,2-Dibromoethane	107	9.918	9.918	(0.969)	14341	1.00000	1.05239
95	1-Chlorohexane	91	10.126	10.126	(0.990)	67616	1.00000	1.10618
97	Chlorobenzene	112	10.254	10.254	(1.002)	99620	1.00000	1.08736
98	1,1,1,2-Tetrachloroethane	131	10.290	10.290	(1.006)	26676	1.00000	1.02129
99	Ethylbenzene	106	10.283	10.283	(1.005)	65428	1.00000	1.09378
100	m and p-Xylene	106	10.362	10.362	(1.013)	157587	2.00000	2.19261
102	o-Xylene	106	10.683	10.683	(1.044)	71377	1.00000	1.09372
101	Styrene	104	10.691	10.691	(1.045)	94480	1.00000	1.03124
103	Bromoform	173	10.912	10.912	(1.066)	6832	1.00000	0.956781(a)
104	isopropyl benzene	105	10.948	10.948	(0.904)	215513	1.00000	1.14298
106	Cyclohexanone	55	11.098	11.098	(1.085)	17611	40.0000	39.3646
108	1,1,2,2-Tetrachloroethane	83	11.170	11.170	(0.922)	13834	1.00000	1.01344
110	1,2,3-Trichloropropane	110	11.248	11.248	(0.929)	3870	1.00000	0.999936(aQ)
112	Bromobenzene	156	11.291	11.291	(0.932)	32156	1.00000	1.10204
111	n-Propylbenzene	120	11.277	11.277	(0.931)	56570	1.00000	1.09500
114	2-Chlorotoluene	126	11.413	11.413	(0.942)	42061	1.00000	1.08954
113	1,3,5-Trimethylbenzene	105	11.384	11.384	(0.940)	165637	1.00000	1.12518
115	4-Chlorotoluene	126	11.491	11.491	(0.949)	41427	1.00000	1.09751
116	tert-Butylbenzene	119	11.699	11.699	(0.966)	161891	1.00000	1.09522
117	1,2,4-Trimethylbenzene	105	11.727	11.727	(0.968)	161167	1.00000	1.10861
119	sec-Butylbenzene	134	11.885	11.885	(0.981)	42339	1.00000	1.06740
120	4-Isopropyltoluene	119	11.978	11.978	(0.989)	183358	1.00000	1.10859

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
121 1,3-Dichlorobenzene	146	12.063	12.063	(0.996)	68565	1.00000	1.09756
123 1,4-dichlorobenzene	146	12.142	12.142	(1.002)	64652	1.00000	1.07080
125 n-Butylbenzene	91	12.364	12.364	(1.021)	197723	1.00000	1.12066
127 1,2-Dichlorobenzene	146	12.521	12.521	(1.034)	53609	1.00000	1.09904
128 1,2-Dibromo-3-chloropropane	157	13.329	13.329	(1.100)	1341	1.00000	1.53439(aQ)
130 1,2,4-Trichlorobenzene	180	14.337	14.337	(1.184)	33201	1.00000	1.08594
131 Hexachlorobutadiene	225	14.473	14.473	(1.195)	28966	1.00000	1.09007
132 Naphthalene	128	14.738	14.738	(1.217)	40627	1.00000	1.03155
133 1,2,3-Trichlorobenzene	180	15.081	15.081	(1.245)	23755	1.00000	1.04857

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: P6809.D

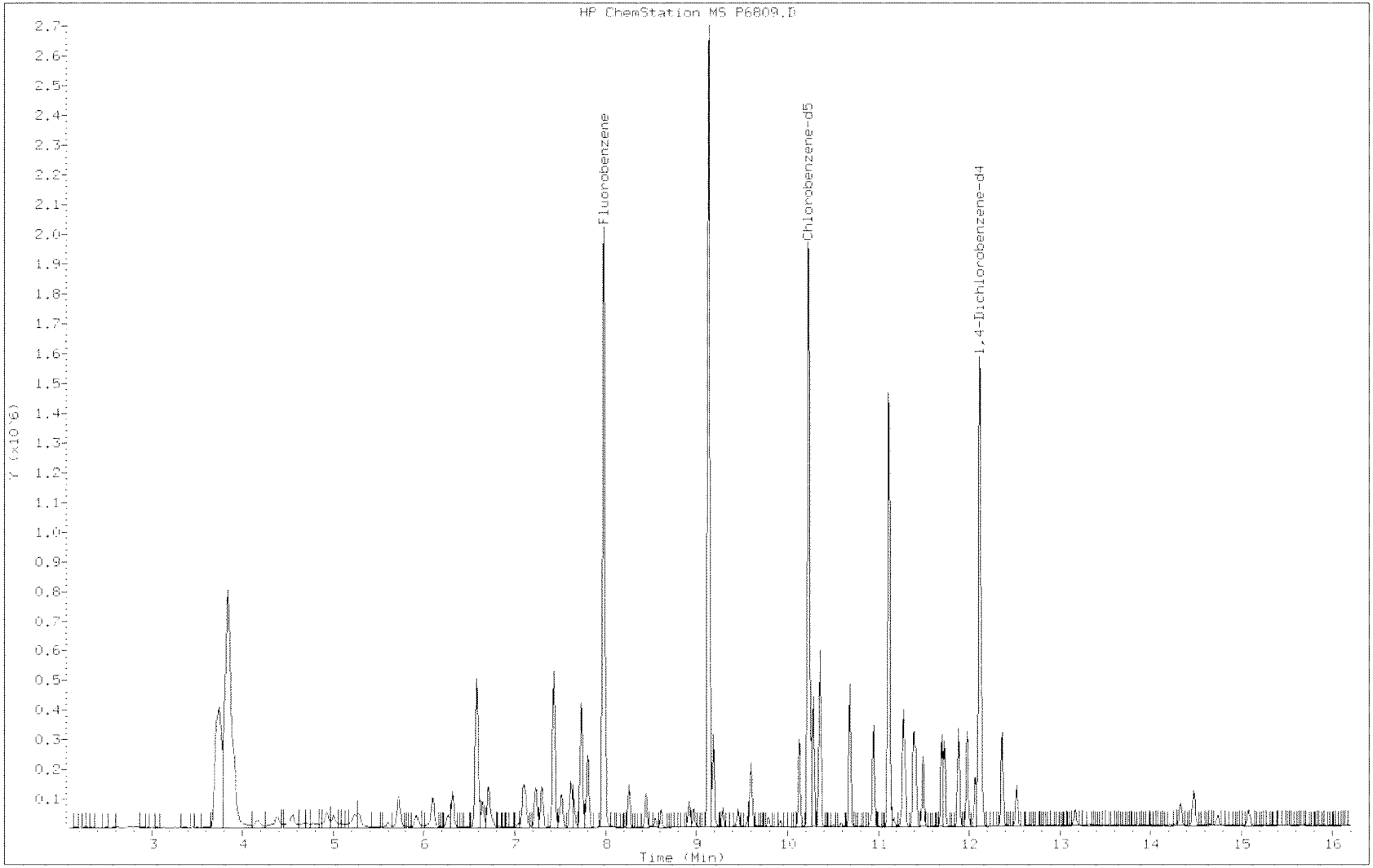
Date: 18-APR-2012 07:55

Client ID:

Instrument: P.i

Sample Info: IC,,M001

Operator: ILCZYSZD



EPAPAV0011626

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6810.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 08:15
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,M002
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 13:13 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 11:59 Cal File: P6759.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70	Fluorobenzene	96	7.982	7.982	(1.000)	1662293	12.5000	
* 96	Chlorobenzene-d5	119	10.234	10.234	(1.000)	304883	12.5000	
* 122	1,4-Dichlorobenzene-d4	152	12.122	12.122	(1.000)	401832	12.5000	
M 1	1,2-Dichloroethene (total)	96				166787	4.00000	4.05913
M 2	Xylene (total)	106				414490	6.00000	6.05286
M 3	Trihalomethane (total)	100				251442	8.00000	7.61605
M 4	1,3-Dichloropropene (total)	100				143417	4.00000	3.82841
5	dichlorodifluoromethane	85	4.162	4.162	(0.521)	106283	2.00000	2.17530
7	Chloromethane	50	4.386	4.386	(0.549)	95610	2.00000	2.16464
8	Vinyl Chloride	62	4.553	4.553	(0.570)	109568	2.00000	2.09319
10	Bromomethane	94	4.930	4.930	(0.618)	72839	2.00000	2.08438
11	Chloroethane	64	5.000	5.000	(0.626)	64010	2.00000	2.02992
14	Trichlorofluoromethane	101	5.279	5.279	(0.661)	151044	2.00000	2.05391
13	Ethanol	45	5.293	5.293	(0.663)	10112	100.000	89.0010(a)
19	Acrolein	56	5.601	5.601	(0.702)	29161	20.0000	19.1710(a)
20	Acetone	43	5.708	5.708	(0.715)	37019	8.00000	7.80860(a)
23	1,1-Dichloroethene	96	5.729	5.729	(0.718)	84839	2.00000	2.04137
27	Iodomethane	142	5.915	5.915	(0.741)	109110	2.00000	2.00047
26	Acetonitrile	41	5.958	5.958	(0.747)	24879	20.0000	21.2098
30	tert-Butyl alcohol	59	6.051	6.051	(0.758)	29214	40.0000	37.2483(a)
33	Methylene Chloride	84	6.094	6.094	(0.764)	83218	2.00000	1.98561
34	Acrylonitrile	53	6.259	6.259	(0.784)	72365	20.0000	19.9051(a)
36	trans-1,2-Dichloroethene	96	6.316	6.316	(0.791)	88554	2.00000	2.06151

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Isopropyl ether	87	6.580	6.580	(0.824)	231956	10.0000	9.91949(a)
45 1,1-Dichloroethane	63	6.652	6.652	(0.833)	159616	2.00000	2.00173
47 Chloroprene	53	6.709	6.709	(0.841)	175535	2.00000	2.00904
51 2-Butanone	43	7.038	7.038	(0.882)	34869	8.00000	7.67848
53 cis-1,2-Dichloroethene	96	7.088	7.088	(0.888)	78233	2.00000	1.99762
52 Propionitrile	54	7.109	7.109	(0.891)	24970	20.0000	19.7706
54 2,2-Dichloropropane	77	7.117	7.117	(0.892)	138359	2.00000	2.01387(a)
55 Methacrylonitrile	41	7.231	7.231	(0.906)	143823	20.0000	20.0454
56 Bromochloromethane	128	7.295	7.295	(0.914)	23812	2.00000	2.07409
57 Chloroform	83	7.302	7.302	(0.915)	135000	2.00000	2.00672
61 1,1,1-Trichloroethane	97	7.517	7.517	(0.942)	137771	2.00000	1.96651
60 Isobutanol	41	7.510	7.510	(0.941)	11050	40.0000	39.4020(a)
63 1,1-Dichloropropene	75	7.617	7.617	(0.954)	142838	2.00000	2.04580
64 Carbon Tetrachloride	117	7.653	7.653	(0.959)	111044	2.00000	1.95348
66 1,2-Dichloroethane	62	7.789	7.789	(0.976)	71448	2.00000	2.00286
68 Benzene	78	7.803	7.803	(0.978)	325324	2.00000	2.05195
69 n-Butanol	56	7.982	7.982	(1.000)	21682	60.0000	68.6592
72 Trichloroethene	130	8.261	8.261	(1.035)	78371	2.00000	2.00201
75 1,2-Dichloropropane	63	8.447	8.447	(1.058)	67709	2.00000	1.98814
77 1,4-Dioxane	88	8.489	8.489	(1.064)	8519	100.000	94.3520(a)
78 Dibromomethane	93	8.554	8.554	(1.072)	22215	2.00000	1.94807
79 Bromodichloromethane	83	8.618	8.618	(1.080)	72926	2.00000	1.95648
82 cis-1,3-Dichloropropene	75	8.918	8.918	(0.871)	82331	2.00000	1.93512
83 4-Methyl-2-pentanone	43	8.976	8.976	(0.877)	75284	8.00000	7.99368
85 Toluene	91	9.190	9.190	(1.151)	338838	2.00000	2.04193
87 trans-1,3-Dichloropropene	75	9.290	9.290	(1.164)	61086	2.00000	1.89329
88 1,1,2-Trichloroethane	97	9.455	9.455	(1.185)	28752	2.00000	1.97534
89 2-Hexanone	43	9.562	9.562	(1.198)	46399	8.00000	7.05644
90 1,3-Dichloropropane	76	9.591	9.591	(0.937)	61181	2.00000	2.05504
91 Tetrachloroethene	164	9.605	9.605	(0.939)	60827	2.00000	2.01974
92 Dibromochloromethane	129	9.791	9.791	(0.957)	30845	2.00000	1.84714
94 1,2-Dibromoethane	107	9.919	9.919	(0.969)	26733	2.00000	1.99626
95 1-Chlorohexane	91	10.127	10.127	(0.990)	120296	2.00000	2.00262
97 Chlorobenzene	112	10.255	10.255	(1.002)	182039	2.00000	2.02192
98 1,1,1,2-Tetrachloroethane	131	10.291	10.291	(1.006)	49694	2.00000	1.93599
99 Ethylbenzene	106	10.284	10.284	(1.005)	117580	2.00000	2.00019
100 m and p-Xylene	106	10.356	10.356	(1.012)	285951	4.00000	4.04859
102 o-Xylene	106	10.684	10.684	(1.044)	128539	2.00000	2.00427
101 Styrene	104	10.692	10.692	(1.045)	176524	2.00000	1.96063
103 Bromoform	173	10.906	10.906	(1.066)	12671	2.00000	1.80571
104 isopropyl benzene	105	10.949	10.949	(0.903)	384001	2.00000	2.03722
106 Cyclohexanone	55	11.106	11.106	(1.085)	32994	80.0000	75.0461
108 1,1,2,2-Tetrachloroethane	83	11.171	11.171	(0.922)	28168	2.00000	2.06417
110 1,2,3-Trichloropropane	110	11.249	11.249	(0.928)	8226	2.00000	2.12613
112 Bromobenzene	156	11.292	11.292	(0.932)	57649	2.00000	1.97637
111 n-Propylbenzene	120	11.278	11.278	(0.930)	101979	2.00000	1.97460
114 2-Chlorotoluene	126	11.414	11.414	(0.942)	76452	2.00000	1.98104
113 1,3,5-Trimethylbenzene	105	11.385	11.385	(0.939)	304493	2.00000	2.06910
115 4-Chlorotoluene	126	11.492	11.492	(0.948)	73696	2.00000	1.95302
116 tert-Butylbenzene	119	11.700	11.700	(0.965)	297046	2.00000	2.01020
117 1,2,4-Trimethylbenzene	105	11.728	11.728	(0.968)	293570	2.00000	2.02002
119 sec-Butylbenzene	134	11.886	11.886	(0.981)	78828	2.00000	1.98796
120 4-Isopropyltoluene	119	11.979	11.979	(0.988)	333996	2.00000	2.02000
121 1,3-Dichlorobenzene	146	12.072	12.072	(0.996)	125417	2.00000	2.00827

EPAPAV0011628

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
123 1,4-dichlorobenzene	146	12.143	12.143	(1.002)	121579	2.00000	2.01430
125 n-Butylbenzene	91	12.365	12.365	(1.020)	355021	2.00000	2.01284
127 1,2-Dichlorobenzene	146	12.522	12.522	(1.033)	96191	2.00000	1.97265
128 1,2-Dibromo-3-chloropropane	157	13.330	13.330	(1.100)	2278	2.00000	2.05777
130 1,2,4-Trichlorobenzene	180	14.338	14.338	(1.183)	60381	2.00000	1.97558
131 Hexachlorobutadiene	225	14.481	14.481	(1.195)	54482	2.00000	2.05096
132 Naphthalene	128	14.739	14.739	(1.216)	75194	2.00000	1.90985
133 1,2,3-Trichlorobenzene	180	15.082	15.082	(1.244)	45091	2.00000	1.99100

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: P6810.D

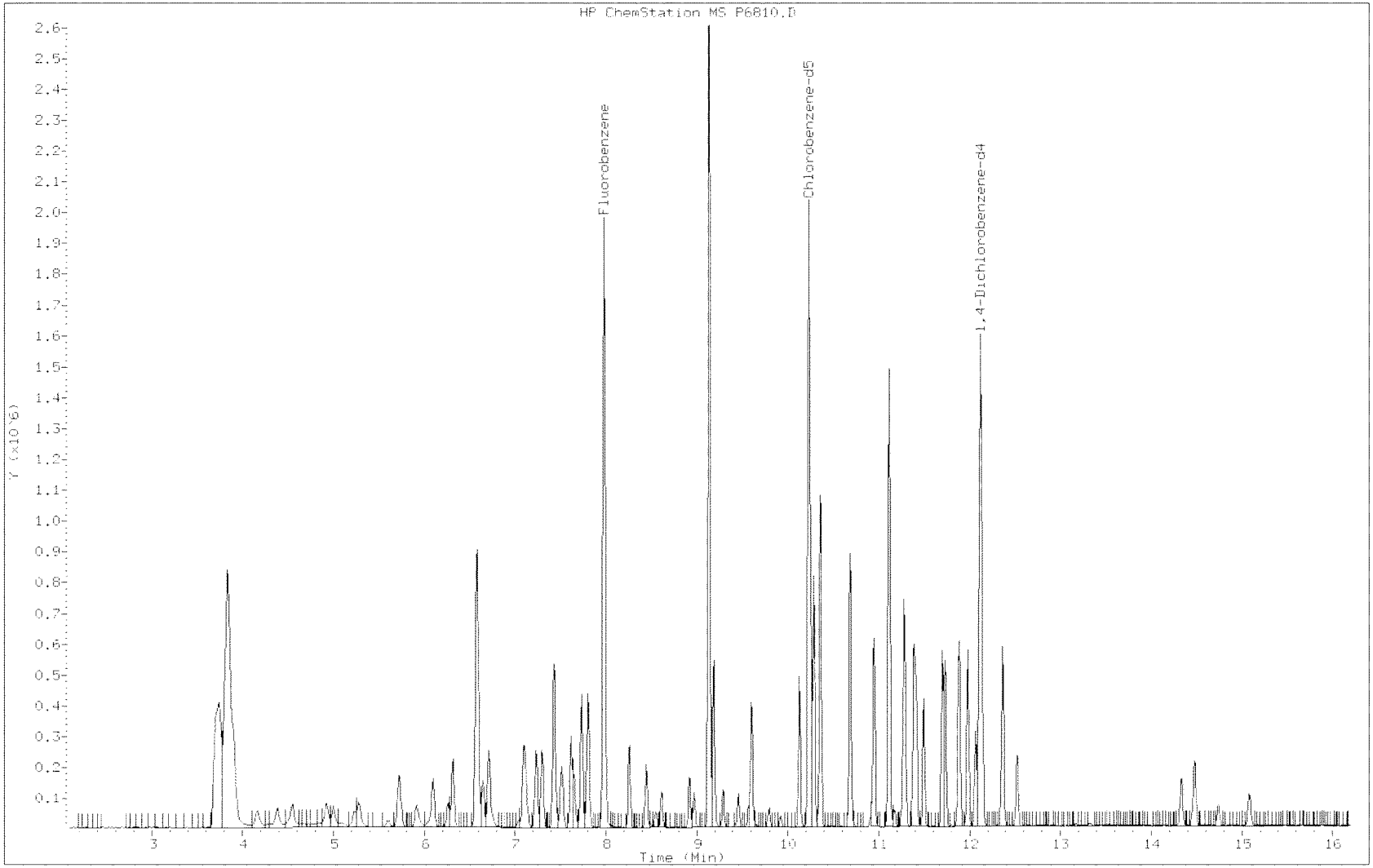
Date: 18-APR-2012 08:15

Client ID:

Instrument: P.i

Sample Info: IC,,M002

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6811.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 08:34
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,M005
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 11:59 Cal File: P6759.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70	Fluorobenzene	96	7.981	7.981	(1.000)	1625153	12.5000	
* 96	Chlorobenzene-d5	119	10.234	10.234	(1.000)	305926	12.5000	
* 122	1,4-Dichlorobenzene-d4	152	12.121	12.121	(1.000)	405922	12.5000	
M 1	1,2-Dichloroethene (total)	96				379614	10.0000	9.46033
M 2	Xylene (total)	106				963925	15.0000	14.0300
M 3	Trihalomethane (total)	100				594179	20.0000	18.7180
M 4	1,3-Dichloropropene (total)	100				342837	10.0000	9.23801
5	dichlorodifluoromethane	85	4.173	4.173	(0.523)	249876	5.00000	5.23109
7	Chloromethane	50	4.383	4.383	(0.549)	218887	5.00000	5.06892
8	Vinyl Chloride	62	4.550	4.550	(0.570)	260958	5.00000	5.09928
10	Bromomethane	94	4.927	4.927	(0.617)	172843	5.00000	5.05916
11	Chloroethane	64	4.997	4.997	(0.626)	154669	5.00000	5.01705
14	Trichlorofluoromethane	101	5.291	5.291	(0.663)	361735	5.00000	5.03131
13	Ethanol	45	5.291	5.291	(0.663)	27929	250.000	251.436
19	Acrolein	56	5.607	5.607	(0.703)	69739	50.0000	46.8954
20	Acetone	43	5.707	5.707	(0.715)	71621	20.0000	19.2055
23	1,1-Dichloroethene	96	5.729	5.729	(0.718)	194321	5.00000	4.78255
27	Iodomethane	142	5.915	5.915	(0.741)	255217	5.00000	4.78619
26	Acetonitrile	41	5.965	5.965	(0.747)	55424	50.0000	48.3299
30	tert-Butyl alcohol	59	6.058	6.058	(0.759)	71006	100.000	92.6028
33	Methylene Chloride	84	6.101	6.101	(0.764)	165330	5.00000	4.85886
34	Acrylonitrile	53	6.272	6.272	(0.786)	163109	50.0000	45.8910

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
36	trans-1,2-Dichloroethene	96	6.315	6.315	(0.791)	197017	5.00000	4.69131
44	Isopropyl ether	87	6.580	6.580	(0.824)	536951	25.0000	23.4872
45	1,1-Dichloroethane	63	6.651	6.651	(0.833)	371549	5.00000	4.76606
47	Chloroprene	53	6.716	6.716	(0.841)	411570	5.00000	4.81818
51	2-Butanone	43	7.037	7.037	(0.882)	85949	20.0000	19.3593
53	cis-1,2-Dichloroethene	96	7.095	7.095	(0.889)	182597	5.00000	4.76902
52	Propionitrile	54	7.109	7.109	(0.891)	57885	50.0000	46.8794
54	2,2-Dichloropropane	77	7.116	7.116	(0.892)	330961	5.00000	4.92736(a)
55	Methacrylonitrile	41	7.238	7.238	(0.907)	330881	50.0000	47.1705
56	Bromochloromethane	128	7.295	7.295	(0.914)	52670	5.00000	4.69255
57	Chloroform	83	7.302	7.302	(0.915)	314397	5.00000	4.78020
61	1,1,1-Trichloroethane	97	7.516	7.516	(0.942)	332696	5.00000	4.85735
60	Isobutanol	41	7.502	7.502	(0.940)	24677	100.000	90.0041
63	1,1-Dichloropropene	75	7.624	7.624	(0.955)	329969	5.00000	4.83400
64	Carbon Tetrachloride	117	7.659	7.659	(0.960)	273043	5.00000	4.91313
66	1,2-Dichloroethane	62	7.795	7.795	(0.977)	164448	5.00000	4.71523
68	Benzene	78	7.810	7.810	(0.979)	737321	5.00000	4.75686
69	n-Butanol	56	8.010	8.010	(1.004)	37376	150.000	135.888
72	Trichloroethene	130	8.260	8.260	(1.035)	184769	5.00000	4.82784
75	1,2-Dichloropropane	63	8.446	8.446	(1.058)	154663	5.00000	4.64515
77	1,4-Dioxane	88	8.496	8.496	(1.064)	20319	250.000	230.185
78	Dibromomethane	93	8.553	8.553	(1.072)	52709	5.00000	4.72777
79	Bromodichloromethane	83	8.618	8.618	(1.080)	169975	5.00000	4.66437
82	cis-1,3-Dichloropropene	75	8.925	8.925	(0.872)	196985	5.00000	4.61419
83	4-Methyl-2-pentanone	43	8.975	8.975	(0.877)	174953	20.0000	18.5132
85	Toluene	91	9.190	9.190	(1.151)	773584	5.00000	4.76836
87	trans-1,3-Dichloropropene	75	9.297	9.297	(1.165)	145852	5.00000	4.62382
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.185)	66980	5.00000	4.70688
89	2-Hexanone	43	9.569	9.569	(1.199)	117685	20.0000	18.3068
90	1,3-Dichloropropane	76	9.597	9.597	(0.938)	136568	5.00000	4.57160
91	Tetrachloroethene	164	9.604	9.604	(0.939)	144043	5.00000	4.76660
92	Dibromochloromethane	129	9.797	9.797	(0.957)	76772	5.00000	4.58178
94	1,2-Dibromoethane	107	9.926	9.926	(0.970)	62945	5.00000	4.68434
95	1-Chlorohexane	91	10.133	10.133	(0.990)	287321	5.00000	4.76686
97	Chlorobenzene	112	10.255	10.255	(1.002)	417309	5.00000	4.61927
98	1,1,1,2-Tetrachloroethane	131	10.291	10.291	(1.006)	118686	5.00000	4.60802
99	Ethylbenzene	106	10.284	10.284	(1.005)	275568	5.00000	4.67180
100	m and p-Xylene	106	10.362	10.362	(1.013)	663806	10.0000	9.36635
102	o-Xylene	106	10.691	10.691	(1.045)	300119	5.00000	4.66371
101	Styrene	104	10.691	10.691	(1.045)	427914	5.00000	4.73658
103	Bromoform	173	10.913	10.913	(1.066)	33035	5.00000	4.69167
104	isopropyl benzene	105	10.949	10.949	(0.903)	920382	5.00000	4.83365
106	Cyclohexanone	55	11.106	11.106	(1.085)	81812	200.000	185.450
108	1,1,2,2-Tetrachloroethane	83	11.177	11.177	(0.922)	64412	5.00000	4.67260
110	1,2,3-Trichloropropane	110	11.256	11.256	(0.929)	17683	5.00000	4.52437(Q)
112	Bromobenzene	156	11.299	11.299	(0.932)	138799	5.00000	4.71048
111	n-Propylbenzene	120	11.277	11.277	(0.930)	247624	5.00000	4.74639
114	2-Chlorotoluene	126	11.413	11.413	(0.942)	182751	5.00000	4.68777
113	1,3,5-Trimethylbenzene	105	11.392	11.392	(0.940)	731079	5.00000	4.91778
115	4-Chlorotoluene	126	11.499	11.499	(0.949)	180169	5.00000	4.72657
116	tert-Butylbenzene	119	11.699	11.699	(0.965)	716623	5.00000	4.80075
117	1,2,4-Trimethylbenzene	105	11.735	11.735	(0.968)	701990	5.00000	4.78163
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	199953	5.00000	4.99181
120	4-Isopropyltoluene	119	11.985	11.985	(0.989)	821418	5.00000	4.91785

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
121 1,3-Dichlorobenzene	146	12.071	12.071	(0.996)	298235	5.00000	4.72744
123 1,4-dichlorobenzene	146	12.143	12.143	(1.002)	287201	5.00000	4.71035
125 n-Butylbenzene	91	12.364	12.364	(1.020)	881280	5.00000	4.94621
127 1,2-Dichlorobenzene	146	12.529	12.529	(1.034)	235718	5.00000	4.78532
128 1,2-Dibromo-3-chloropropane	157	13.330	13.330	(1.100)	6945	5.00000	4.62434(Q)
130 1,2,4-Trichlorobenzene	180	14.338	14.338	(1.183)	149127	5.00000	4.83006
131 Hexachlorobutadiene	225	14.481	14.481	(1.195)	131600	5.00000	4.90414
132 Naphthalene	128	14.745	14.745	(1.216)	191715	5.00000	4.82030
133 1,2,3-Trichlorobenzene	180	15.081	15.081	(1.244)	113232	5.00000	4.94940

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: P6811.D

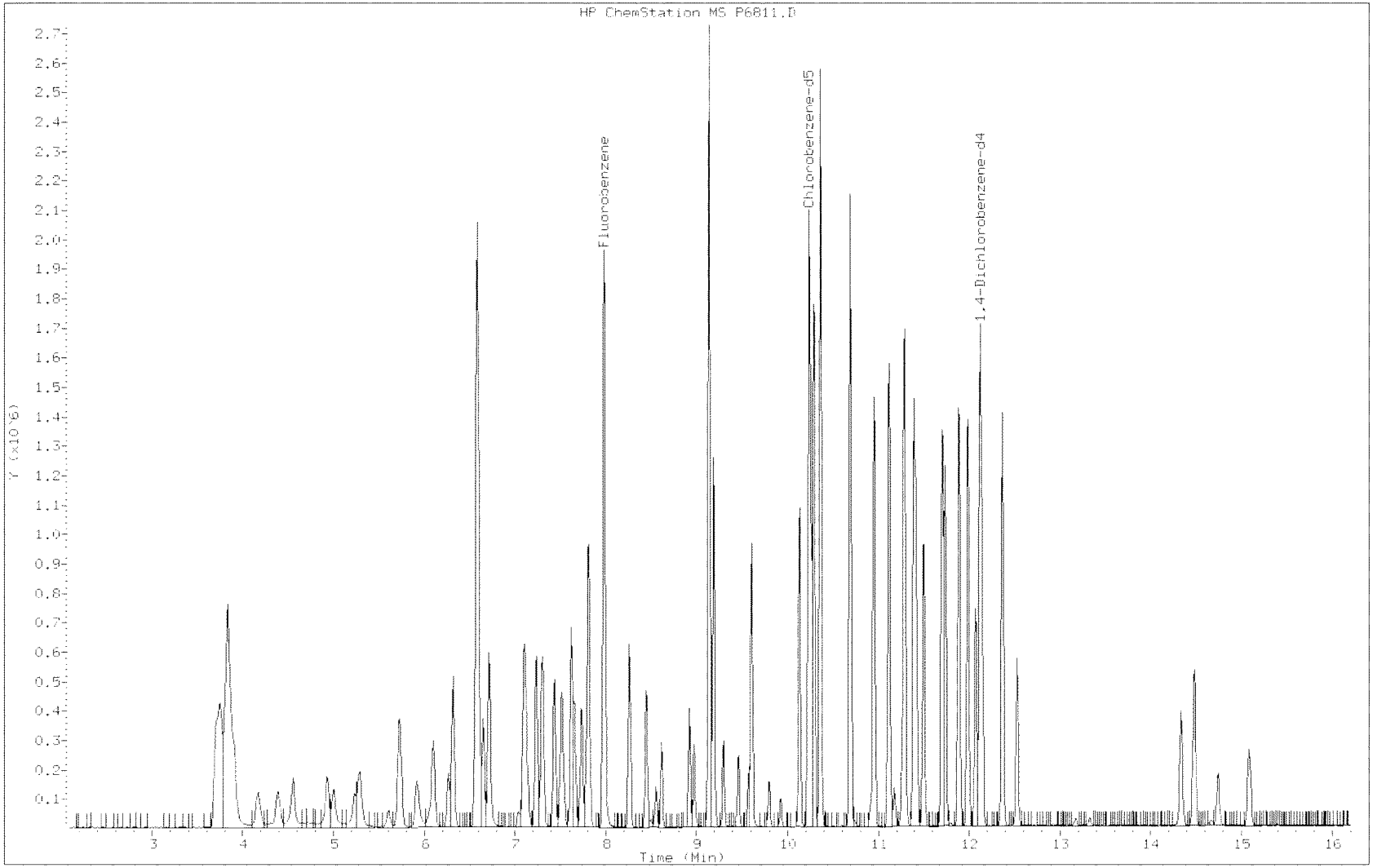
Date: 18-APR-2012 08:34

Client ID:

Instrument: P.i

Sample Info: IC,,M005

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6812.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 08:53
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,M010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 12:19 Cal File: P6760.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70 Fluorobenzene	96	7.982	7.982	(1.000)	1593824	12.5000	
* 96 Chlorobenzene-d5	119	10.234	10.234	(1.000)	295773	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.122	12.122	(1.000)	399596	12.5000	
M 1 1,2-Dichloroethene (total)	96				748478	20.0000	19.0270
M 2 Xylene (total)	106				1925584	30.0000	29.0014
M 3 Trihalomethane (total)	100				1236330	40.0000	40.9300
M 4 1,3-Dichloropropene (total)	100				746158	20.0000	20.6652
5 dichlorodifluoromethane	85	4.163	4.163	(0.522)	469479	10.0000	10.0216
7 Chloromethane	50	4.400	4.400	(0.551)	410550	10.0000	9.69428
8 Vinyl Chloride	62	4.554	4.554	(0.570)	485214	10.0000	9.66776
10 Bromomethane	94	4.931	4.931	(0.618)	321382	10.0000	9.59184
11 Chloroethane	64	5.014	5.014	(0.628)	292512	10.0000	9.67482
14 Trichlorofluoromethane	101	5.294	5.294	(0.663)	692435	10.0000	9.82027
13 Ethanol	45	5.294	5.294	(0.663)	53825	500.000	494.094
19 Acrolein	56	5.608	5.608	(0.703)	142069	100.000	97.4110
20 Acetone	43	5.708	5.708	(0.715)	135905	40.0000	40.7438
23 1,1-Dichloroethene	96	5.730	5.730	(0.718)	371968	10.0000	9.33467
27 Iodomethane	142	5.923	5.923	(0.742)	496499	10.0000	9.49407
26 Acetonitrile	41	5.966	5.966	(0.747)	110339	100.000	98.1071
30 tert-Butyl alcohol	59	6.059	6.059	(0.759)	148037	200.000	196.858
33 Methylene Chloride	84	6.102	6.102	(0.764)	317032	10.0000	10.2629
34 Acrylonitrile	53	6.273	6.273	(0.786)	346326	100.000	99.3548

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
36	trans-1,2-Dichloroethene	96	6.316	6.316	(0.791)	385238	10.0000	9.35348
44	Isopropyl ether	87	6.581	6.581	(0.824)	1103735	50.0000	49.2284
45	1,1-Dichloroethane	63	6.652	6.652	(0.833)	737362	10.0000	9.64446
47	Chloroprene	53	6.717	6.717	(0.841)	812693	10.0000	9.70107
51	2-Butanone	43	7.045	7.045	(0.883)	168206	40.0000	38.6318
53	cis-1,2-Dichloroethene	96	7.096	7.096	(0.889)	363240	10.0000	9.67349
52	Propionitrile	54	7.117	7.117	(0.892)	123089	100.000	101.646
54	2,2-Dichloropropane	77	7.117	7.117	(0.892)	641142	10.0000	9.73298
55	Methacrylonitrile	41	7.239	7.239	(0.907)	691286	100.000	100.487
56	Bromochloromethane	128	7.296	7.296	(0.914)	108186	10.0000	9.82812
57	Chloroform	83	7.303	7.303	(0.915)	630800	10.0000	9.77941
61	1,1,1-Trichloroethane	97	7.517	7.517	(0.942)	652965	10.0000	9.72066
60	Isobutanol	41	7.503	7.503	(0.940)	53436	200.000	198.727
63	1,1-Dichloropropene	75	7.617	7.617	(0.954)	634026	10.0000	9.47098
64	Carbon Tetrachloride	117	7.653	7.653	(0.959)	537645	10.0000	9.86453
66	1,2-Dichloroethane	62	7.796	7.796	(0.977)	342538	10.0000	10.0147
68	Benzene	78	7.811	7.811	(0.979)	1436602	10.0000	9.45049
69	n-Butanol	56	8.011	8.011	(1.004)	70181	300.000	277.365
72	Trichloroethene	130	8.261	8.261	(1.035)	361483	10.0000	9.63087
75	1,2-Dichloropropane	63	8.447	8.447	(1.058)	315275	10.0000	9.65510
77	1,4-Dioxane	88	8.497	8.497	(1.064)	44592	500.000	515.094
78	Dibromomethane	93	8.554	8.554	(1.072)	112043	10.0000	10.2473
79	Bromodichloromethane	83	8.619	8.619	(1.080)	362238	10.0000	10.1357
82	cis-1,3-Dichloropropene	75	8.926	8.926	(0.872)	426638	10.0000	10.3366
83	4-Methyl-2-pentanone	43	8.976	8.976	(0.877)	369680	40.0000	40.4618
85	Toluene	91	9.191	9.191	(1.151)	1534234	10.0000	9.64289
87	trans-1,3-Dichloropropene	75	9.298	9.298	(1.165)	319520	10.0000	10.3286
88	1,1,2-Trichloroethane	97	9.462	9.462	(1.185)	142588	10.0000	10.2170
89	2-Hexanone	43	9.569	9.569	(1.199)	253052	40.0000	40.1378
90	1,3-Dichloropropane	76	9.598	9.598	(0.938)	290400	10.0000	10.0548
91	Tetrachloroethene	164	9.605	9.605	(0.939)	274260	10.0000	9.38722
92	Dibromochloromethane	129	9.798	9.798	(0.957)	172882	10.0000	10.6718
94	1,2-Dibromoethane	107	9.927	9.927	(0.970)	129630	10.0000	9.97816
95	1-Chlorohexane	91	10.134	10.134	(0.990)	562750	10.0000	9.65691
97	Chlorobenzene	112	10.263	10.263	(1.003)	845739	10.0000	9.68299
98	1,1,1,2-Tetrachloroethane	131	10.292	10.292	(1.006)	244640	10.0000	9.82427
99	Ethylbenzene	106	10.284	10.284	(1.005)	543087	10.0000	9.52320
100	m and p-Xylene	106	10.363	10.363	(1.013)	1317811	20.0000	19.2327
102	o-Xylene	106	10.692	10.692	(1.045)	607773	10.0000	9.76870
101	Styrene	104	10.692	10.692	(1.045)	889362	10.0000	10.1823
103	Bromoform	173	10.914	10.914	(1.066)	70410	10.0000	10.3430
104	isopropyl benzene	105	10.949	10.949	(0.903)	1779080	10.0000	9.49127
106	Cyclohexanone	55	11.114	11.114	(1.086)	168519	400.000	395.109
108	1,1,2,2-Tetrachloroethane	83	11.178	11.178	(0.922)	137662	10.0000	10.1444
110	1,2,3-Trichloropropane	110	11.257	11.257	(0.929)	39410	10.0000	10.2431(Q)
112	Bromobenzene	156	11.300	11.300	(0.932)	277260	10.0000	9.55845
111	n-Propylbenzene	120	11.286	11.286	(0.931)	485788	10.0000	9.45887
114	2-Chlorotoluene	126	11.421	11.421	(0.942)	360320	10.0000	9.38893
113	1,3,5-Trimethylbenzene	105	11.393	11.393	(0.940)	1428683	10.0000	9.76253
115	4-Chlorotoluene	126	11.500	11.500	(0.949)	350903	10.0000	9.35135
116	tert-Butylbenzene	119	11.707	11.707	(0.966)	1409952	10.0000	9.59498
117	1,2,4-Trimethylbenzene	105	11.736	11.736	(0.968)	1398645	10.0000	9.67775
119	sec-Butylbenzene	134	11.893	11.893	(0.981)	383104	10.0000	9.71558
120	4-Isopropyltoluene	119	11.986	11.986	(0.989)	1568789	10.0000	9.54108

EPAPAV0011636

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
121 1,3-Dichlorobenzene	146	12.072	12.072	(0.996)	607738	10.0000	9.78601
123 1,4-dichlorobenzene	146	12.151	12.151	(1.002)	576680	10.0000	9.60780
125 n-Butylbenzene	91	12.372	12.372	(1.021)	1691084	10.0000	9.64151
127 1,2-Dichlorobenzene	146	12.530	12.530	(1.034)	477488	10.0000	9.84696
128 1,2-Dibromo-3-chloropropane	157	13.338	13.338	(1.100)	17082	10.0000	10.3764
130 1,2,4-Trichlorobenzene	180	14.339	14.339	(1.183)	303706	10.0000	9.99242
131 Hexachlorobutadiene	225	14.489	14.489	(1.195)	249643	10.0000	9.45035
132 Naphthalene	128	14.746	14.746	(1.216)	403473	10.0000	10.3051
133 1,2,3-Trichlorobenzene	180	15.089	15.089	(1.245)	229734	10.0000	10.2007

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P6812.D

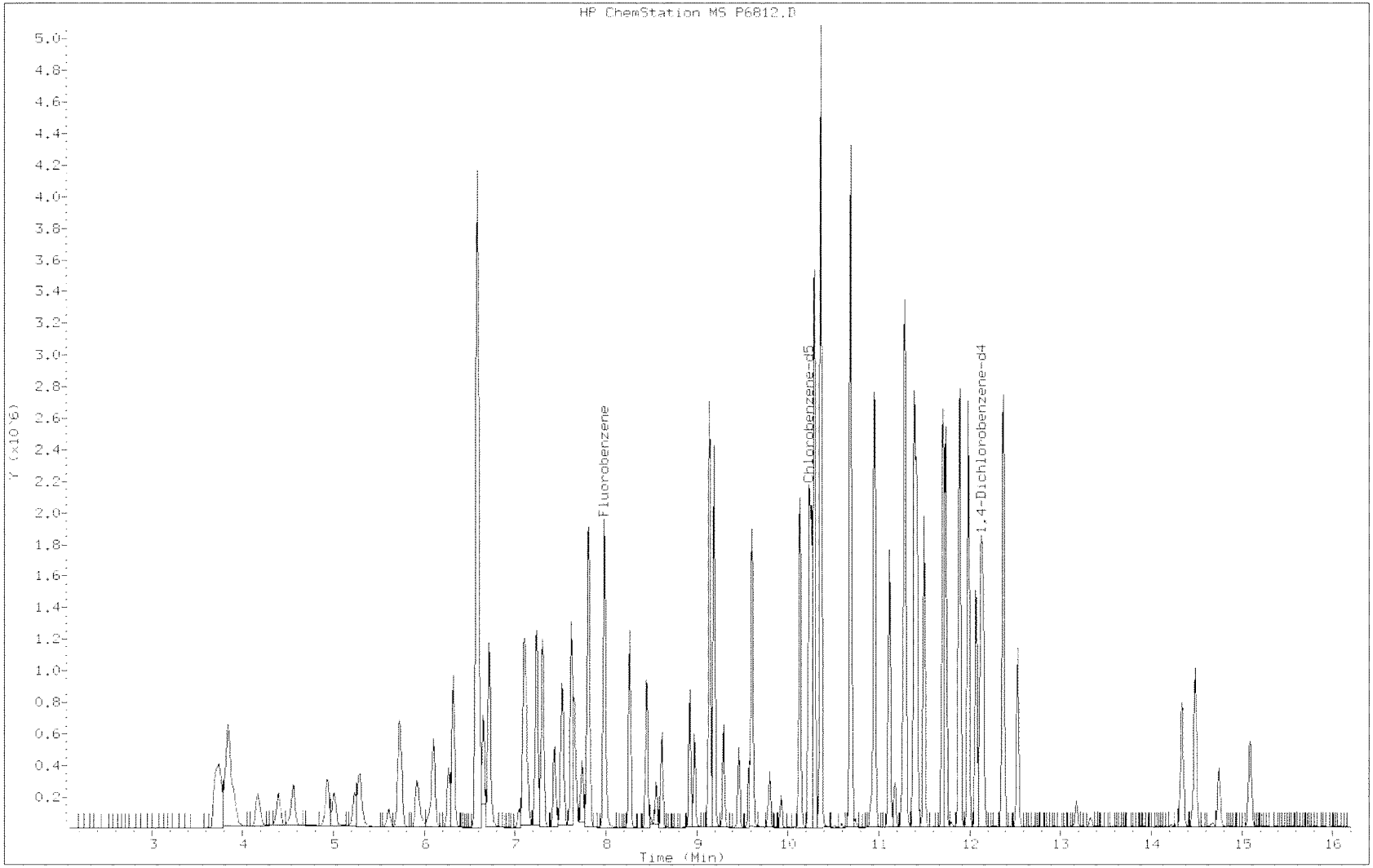
Date: 18-APR-2012 08:53

Client ID:

Instrument: P.i

Sample Info: IC,,M010

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6813.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 09:13
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,MS030
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 12:38 Cal File: P6761.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	0.00000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1692996	12.5000	
* 96 Chlorobenzene-d5	119	10.233	10.233	(1.000)	316714	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.121	12.121	(1.000)	422617	12.5000	
M 1 1,2-Dichloroethene (total)	96				2329281	60.0000	55.7455
M 2 Xylene (total)	106				6008733	90.0000	84.5464
M 3 Trihalomethane (total)	100				3937142	120.000	124.207
M 4 1,3-Dichloropropene (total)	100				2412070	60.0000	62.6601
5 dichlorodifluoromethane	85	4.163	4.163	(0.521)	1490075	30.0000	29.9443
7 Chloromethane	50	4.401	4.401	(0.551)	1254294	30.0000	27.8826
8 Vinyl Chloride	62	4.568	4.568	(0.572)	1522340	30.0000	28.5554
10 Bromomethane	94	4.945	4.945	(0.619)	1026894	30.0000	28.8530
11 Chloroethane	64	5.015	5.015	(0.628)	919085	30.0000	28.6180
14 Trichlorofluoromethane	101	5.295	5.295	(0.663)	2272333	30.0000	30.3390
13 Ethanol	45	5.295	5.295	(0.663)	187612	1500.00	1621.32
19 Acrolein	56	5.607	5.607	(0.702)	485862	300.000	313.622
20 Acetone	43	5.714	5.714	(0.715)	410348	120.000	122.878
23 1,1-Dichloroethene	96	5.735	5.735	(0.718)	1102925	30.0000	26.0570
27 Iodomethane	142	5.921	5.921	(0.741)	1555792	30.0000	28.0072
26 Acetonitrile	41	5.964	5.964	(0.747)	342442	300.000	286.644
30 tert-Butyl alcohol	59	6.057	6.057	(0.758)	518578	600.000	649.204
33 Methylene Chloride	84	6.100	6.100	(0.764)	939449	30.0000	30.0588
34 Acrylonitrile	53	6.272	6.272	(0.785)	1088632	300.000	294.015

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
36	trans-1,2-Dichloroethene	96	6.322	6.322	(0.791)	1198137	30.0000	27.3864
44	Isopropyl ether	87	6.586	6.586	(0.825)	3555234	150.000	149.281
45	1,1-Dichloroethane	63	6.651	6.651	(0.833)	2266879	30.0000	27.9132
47	Chloroprene	53	6.715	6.715	(0.841)	2489253	30.0000	27.9735
51	2-Butanone	43	7.044	7.044	(0.882)	559375	120.000	120.946
53	cis-1,2-Dichloroethene	96	7.094	7.094	(0.888)	1131144	30.0000	28.3591
52	Propionitrile	54	7.115	7.115	(0.891)	396183	300.000	307.999
54	2,2-Dichloropropane	77	7.123	7.123	(0.892)	2011228	30.0000	28.7434
55	Methacrylonitrile	41	7.237	7.237	(0.906)	2191357	300.000	299.882
56	Bromochloromethane	128	7.301	7.301	(0.914)	349148	30.0000	29.8602
57	Chloroform	83	7.308	7.308	(0.915)	1965698	30.0000	28.6894
61	1,1,1-Trichloroethane	97	7.523	7.523	(0.942)	2020152	30.0000	28.3122
60	Isobutanol	41	7.502	7.502	(0.939)	184605	600.000	646.326
63	1,1-Dichloropropene	75	7.623	7.623	(0.954)	1932902	30.0000	27.1820
64	Carbon Tetrachloride	117	7.659	7.659	(0.959)	1683427	30.0000	29.0777
66	1,2-Dichloroethane	62	7.795	7.795	(0.976)	1066409	30.0000	29.3519
68	Benzene	78	7.809	7.809	(0.978)	4438278	30.0000	27.4863
69	n-Butanol	56	8.009	8.009	(1.003)	230218	900.000	895.813
72	Trichloroethene	130	8.267	8.267	(1.035)	1127414	30.0000	28.2778
75	1,2-Dichloropropane	63	8.453	8.453	(1.058)	993916	30.0000	28.6551
77	1,4-Dioxane	88	8.503	8.503	(1.064)	146030	1500.00	1588.02
78	Dibromomethane	93	8.553	8.553	(1.071)	343170	30.0000	29.5474
79	Bromodichloromethane	83	8.617	8.617	(1.079)	1169686	30.0000	30.8117
82	cis-1,3-Dichloropropene	75	8.924	8.924	(0.872)	1376383	30.0000	31.1423
83	4-Methyl-2-pentanone	43	8.974	8.974	(0.877)	1254465	120.000	128.224
85	Toluene	91	9.196	9.196	(1.151)	4680287	30.0000	27.6932
87	trans-1,3-Dichloropropene	75	9.296	9.296	(1.164)	1035687	30.0000	31.5178
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.184)	437567	30.0000	29.5169
89	2-Hexanone	43	9.568	9.568	(1.198)	849445	120.000	126.842
90	1,3-Dichloropropane	76	9.597	9.597	(0.938)	914849	30.0000	29.5814
91	Tetrachloroethene	164	9.611	9.611	(0.939)	870957	30.0000	27.8396
92	Dibromochloromethane	129	9.797	9.797	(0.957)	569327	30.0000	32.8203
94	1,2-Dibromoethane	107	9.925	9.925	(0.970)	420042	30.0000	30.1946
95	1-Chlorohexane	91	10.133	10.133	(0.990)	1700879	30.0000	27.2576
97	Chlorobenzene	112	10.261	10.261	(1.003)	2602567	30.0000	27.8270
98	1,1,1,2-Tetrachloroethane	131	10.297	10.297	(1.006)	815484	30.0000	30.5830
99	Ethylbenzene	106	10.290	10.290	(1.006)	1716023	30.0000	28.1014
100	m and p-Xylene	106	10.362	10.362	(1.013)	4088992	60.0000	55.7307
102	o-Xylene	106	10.691	10.691	(1.045)	1919741	30.0000	28.8157
101	Styrene	104	10.691	10.691	(1.045)	2869497	30.0000	30.6805
103	Bromoform	173	10.912	10.912	(1.066)	232431	30.0000	31.8857
104	isopropyl benzene	105	10.955	10.955	(0.904)	5397693	30.0000	27.2277
106	Cyclohexanone	55	11.112	11.112	(1.086)	562718	1200.00	1232.11
108	1,1,2,2-Tetrachloroethane	83	11.177	11.177	(0.922)	434121	30.0000	30.2481
110	1,2,3-Trichloropropane	110	11.255	11.255	(0.929)	124599	30.0000	30.6205
112	Bromobenzene	156	11.298	11.298	(0.932)	887462	30.0000	28.9284
111	n-Propylbenzene	120	11.284	11.284	(0.931)	1502430	30.0000	27.6605
114	2-Chlorotoluene	126	11.420	11.420	(0.942)	1124197	30.0000	27.6978
113	1,3,5-Trimethylbenzene	105	11.391	11.391	(0.940)	4407720	30.0000	28.4784
115	4-Chlorotoluene	126	11.498	11.498	(0.949)	1115373	30.0000	28.1049
116	tert-Butylbenzene	119	11.706	11.706	(0.966)	4361624	30.0000	28.0648
117	1,2,4-Trimethylbenzene	105	11.734	11.734	(0.968)	4310609	30.0000	28.2020
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	1171510	30.0000	28.0913
120	4-Isopropyltoluene	119	11.985	11.985	(0.989)	4832688	30.0000	27.7905

EPAPAV0011640

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
121 1,3-Dichlorobenzene	146	12.078	12.078	(0.996)	1885735	30.0000	28.7107
123 1,4-dichlorobenzene	146	12.149	12.149	(1.002)	1791258	30.0000	28.2177
125 n-Butylbenzene	91	12.371	12.371	(1.021)	5056557	30.0000	27.2589
127 1,2-Dichlorobenzene	146	12.528	12.528	(1.034)	1471227	30.0000	28.6876
128 1,2-Dibromo-3-chloropropane	157	13.336	13.336	(1.100)	56243	30.0000	30.6427
130 1,2,4-Trichlorobenzene	180	14.344	14.344	(1.183)	955998	30.0000	29.7405
131 Hexachlorobutadiene	225	14.487	14.487	(1.195)	773024	30.0000	27.6691
132 Naphthalene	128	14.745	14.745	(1.216)	1274442	30.0000	30.7775
133 1,2,3-Trichlorobenzene	180	15.088	15.088	(1.245)	708710	30.0000	29.7541

EPAPAV0011641

Data File: P6813.D

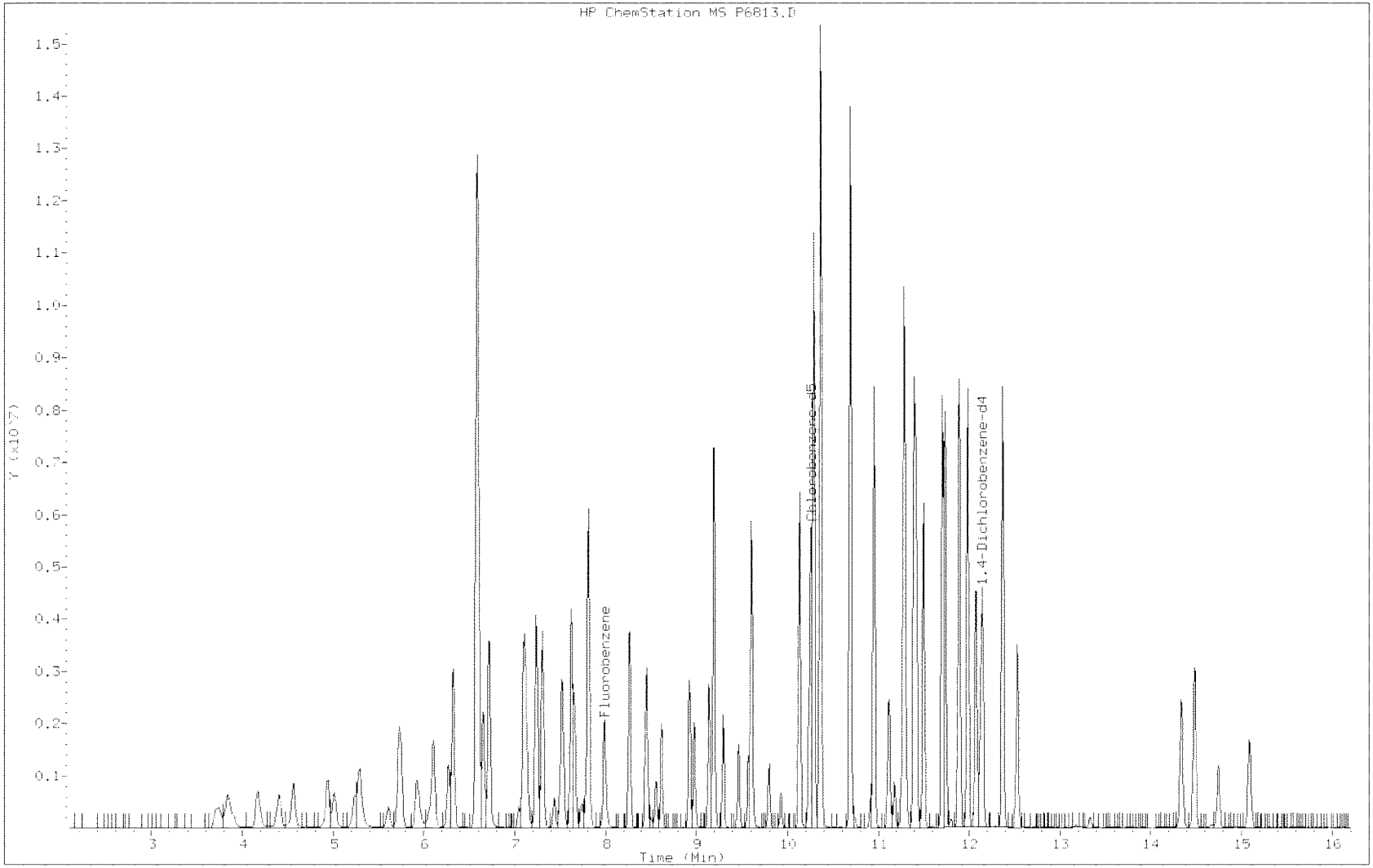
Date: 18-APR-2012 09:13

Client ID:

Instrument: P.i

Sample Info: IC,MS030

Operator: ILCZYSZD



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6814.D
Lab Smp Id: IC
Inj Date : 18-APR-2012 09:32
Operator : ILCZYSZD Inst ID: P.i
Smp Info : IC,,M060
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 12:58 Cal File: P6762.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70	Fluorobenzene	96	7.988	7.988	(1.000)	1773670	12.5000	
* 96	Chlorobenzene-d5	119	10.233	10.233	(1.000)	332911	12.5000	
* 122	1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	452663	12.5000	
M 1	1,2-Dichloroethene (total)	96				4928899	120.000	112.579
M 2	Xylene (total)	106				12883265	180.000	172.475
M 3	Trihalomethane (total)	100				8312467	240.000	252.384
M 4	1,3-Dichloropropene (total)	100				5043866	120.000	124.920
5	dichlorodifluoromethane	85	4.160	4.160	(0.521)	2916031	60.0000	55.9347
7	Chloromethane	50	4.412	4.412	(0.552)	2495147	60.0000	52.9435
8	Vinyl Chloride	62	4.565	4.565	(0.572)	3007536	60.0000	53.8481
10	Bromomethane	94	4.942	4.942	(0.619)	2080975	60.0000	55.8104
11	Chloroethane	64	5.012	5.012	(0.627)	1830766	60.0000	54.4126
14	Trichlorofluoromethane	101	5.292	5.292	(0.662)	3745571	60.0000	47.7342
13	Ethanol	45	5.292	5.292	(0.662)	376481	3000.00	3105.53(A)
19	Acrolein	56	5.607	5.607	(0.702)	1013603	600.000	624.517(A)
20	Acetone	43	5.714	5.714	(0.715)	827642	240.000	240.110(A)
23	1,1-Dichloroethene	96	5.729	5.729	(0.717)	2406074	60.0000	54.2588
27	Iodomethane	142	5.922	5.922	(0.741)	3267913	60.0000	56.1529
26	Acetonitrile	41	5.965	5.965	(0.747)	690148	600.000	551.418
30	tert-Butyl alcohol	59	6.058	6.058	(0.758)	1084747	1200.00	1296.22(A)
33	Methylene Chloride	84	6.100	6.100	(0.764)	1937343	60.0000	59.9412
34	Acrylonitrile	53	6.272	6.272	(0.785)	2251085	600.000	580.314

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
36	trans-1,2-Dichloroethene	96	6.322	6.322	(0.791)	2542935	60.0000	55.4814
44	Isopropyl ether	87	6.587	6.587	(0.825)	7439418	300.000	298.165
45	1,1-Dichloroethane	63	6.651	6.651	(0.833)	4759262	60.0000	55.9377
47	Chloroprene	53	6.715	6.715	(0.841)	5402699	60.0000	57.9524
51	2-Butanone	43	7.044	7.044	(0.882)	1169151	240.000	241.291(A)
53	cis-1,2-Dichloroethene	96	7.094	7.094	(0.888)	2385964	60.0000	57.0980
52	Propionitrile	54	7.116	7.116	(0.891)	810114	600.000	601.150(A)
54	2,2-Dichloropropane	77	7.123	7.123	(0.892)	4287776	60.0000	58.4913
55	Methacrylonitrile	41	7.237	7.237	(0.906)	4515548	600.000	589.835
56	Bromochloromethane	128	7.302	7.302	(0.914)	739219	60.0000	60.3448(A)
57	Chloroform	83	7.309	7.309	(0.915)	4108958	60.0000	57.2427
61	1,1,1-Trichloroethane	97	7.523	7.523	(0.942)	4386529	60.0000	58.6806
60	Isobutanol	41	7.502	7.502	(0.939)	384560	1200.00	1285.15(A)
63	1,1-Dichloropropene	75	7.623	7.623	(0.954)	4184776	60.0000	56.1730
64	Carbon Tetrachloride	117	7.659	7.659	(0.959)	3707101	60.0000	61.1199(A)
66	1,2-Dichloroethane	62	7.795	7.795	(0.976)	2193427	60.0000	57.6260
68	Benzene	78	7.809	7.809	(0.978)	9240626	60.0000	54.6244
69	n-Butanol	56	8.009	8.009	(1.003)	481062	1800.00	1805.44(A)
72	Trichloroethene	130	8.267	8.267	(1.035)	2457911	60.0000	58.8452
75	1,2-Dichloropropane	63	8.453	8.453	(1.058)	2093891	60.0000	57.6221
77	1,4-Dioxane	88	8.503	8.503	(1.064)	302564	3000.00	3140.61(A)
78	Dibromomethane	93	8.553	8.553	(1.071)	718143	60.0000	59.0207
79	Bromodichloromethane	83	8.617	8.617	(1.079)	2485800	60.0000	62.5022(A)
82	cis-1,3-Dichloropropene	75	8.925	8.925	(0.872)	2870485	60.0000	61.7882(A)
83	4-Methyl-2-pentanone	43	8.975	8.975	(0.877)	2582018	240.000	251.078(A)
85	Toluene	91	9.196	9.196	(1.151)	9622110	60.0000	54.3442
87	trans-1,3-Dichloropropene	75	9.297	9.297	(1.164)	2173381	60.0000	63.1315(A)
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.184)	917046	60.0000	59.0473
89	2-Hexanone	43	9.568	9.568	(1.198)	1767649	240.000	251.946(A)
90	1,3-Dichloropropane	76	9.597	9.597	(0.938)	1882036	60.0000	57.8943
91	Tetrachloroethene	164	9.611	9.611	(0.939)	1976383	60.0000	60.1002(A)
92	Dibromochloromethane	129	9.797	9.797	(0.957)	1209756	60.0000	66.3464(A)
94	1,2-Dibromoethane	107	9.926	9.926	(0.970)	871140	60.0000	59.5749
95	1-Chlorohexane	91	10.133	10.133	(0.990)	3723564	60.0000	56.7691
97	Chlorobenzene	112	10.262	10.262	(1.003)	5468712	60.0000	55.6274
98	1,1,1,2-Tetrachloroethane	131	10.298	10.298	(1.006)	1793863	60.0000	64.0019(A)
99	Ethylbenzene	106	10.290	10.290	(1.006)	3757888	60.0000	58.5447
100	m and p-Xylene	106	10.362	10.362	(1.013)	8752684	120.000	113.490
102	o-Xylene	106	10.691	10.691	(1.045)	4130581	60.0000	58.9844
101	Styrene	104	10.691	10.691	(1.045)	6100776	60.0000	62.0557(A)
103	Bromoform	173	10.912	10.912	(1.066)	507953	60.0000	66.2926(A)
104	isopropyl benzene	105	10.955	10.955	(0.903)	11220512	60.0000	52.8430
106	Cyclohexanone	55	11.113	11.113	(1.086)	1176966	2400.00	2451.67(A)
108	1,1,2,2-Tetrachloroethane	83	11.177	11.177	(0.922)	899496	60.0000	58.5138
110	1,2,3-Trichloropropane	110	11.256	11.256	(0.928)	258141	60.0000	59.2280
112	Bromobenzene	156	11.299	11.299	(0.932)	1915976	60.0000	58.3091
111	n-Propylbenzene	120	11.284	11.284	(0.930)	3330995	60.0000	57.2549
114	2-Chlorotoluene	126	11.420	11.420	(0.942)	2477689	60.0000	56.9929
113	1,3,5-Trimethylbenzene	105	11.392	11.392	(0.939)	9262210	60.0000	55.8711
115	4-Chlorotoluene	126	11.499	11.499	(0.948)	2390762	60.0000	56.2432
116	tert-Butylbenzene	119	11.706	11.706	(0.965)	9503211	60.0000	57.0895
117	1,2,4-Trimethylbenzene	105	11.735	11.735	(0.968)	9111408	60.0000	55.6543
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	2683264	60.0000	60.0705(A)
120	4-Isopropyltoluene	119	11.985	11.985	(0.988)	10290033	60.0000	55.2454

EPAPAV0011644

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
121 1,3-Dichlorobenzene	146	12.078	12.078	(0.996)	4033887	60.0000	57.3402
123 1,4-dichlorobenzene	146	12.149	12.149	(1.002)	3847421	60.0000	56.5854
125 n-Butylbenzene	91	12.371	12.371	(1.020)	10731051	60.0000	54.0092
127 1,2-Dichlorobenzene	146	12.528	12.528	(1.033)	3124994	60.0000	56.8899
128 1,2-Dibromo-3-chloropropane	157	13.329	13.329	(1.099)	117924	60.0000	59.2311
130 1,2,4-Trichlorobenzene	180	14.337	14.337	(1.182)	2003136	60.0000	58.1800
131 Hexachlorobutadiene	225	14.488	14.488	(1.195)	1701975	60.0000	56.8758
132 Naphthalene	128	14.745	14.745	(1.216)	2642582	60.0000	59.5818
133 1,2,3-Trichlorobenzene	180	15.088	15.088	(1.244)	1460598	60.0000	57.2508

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: P6814.D

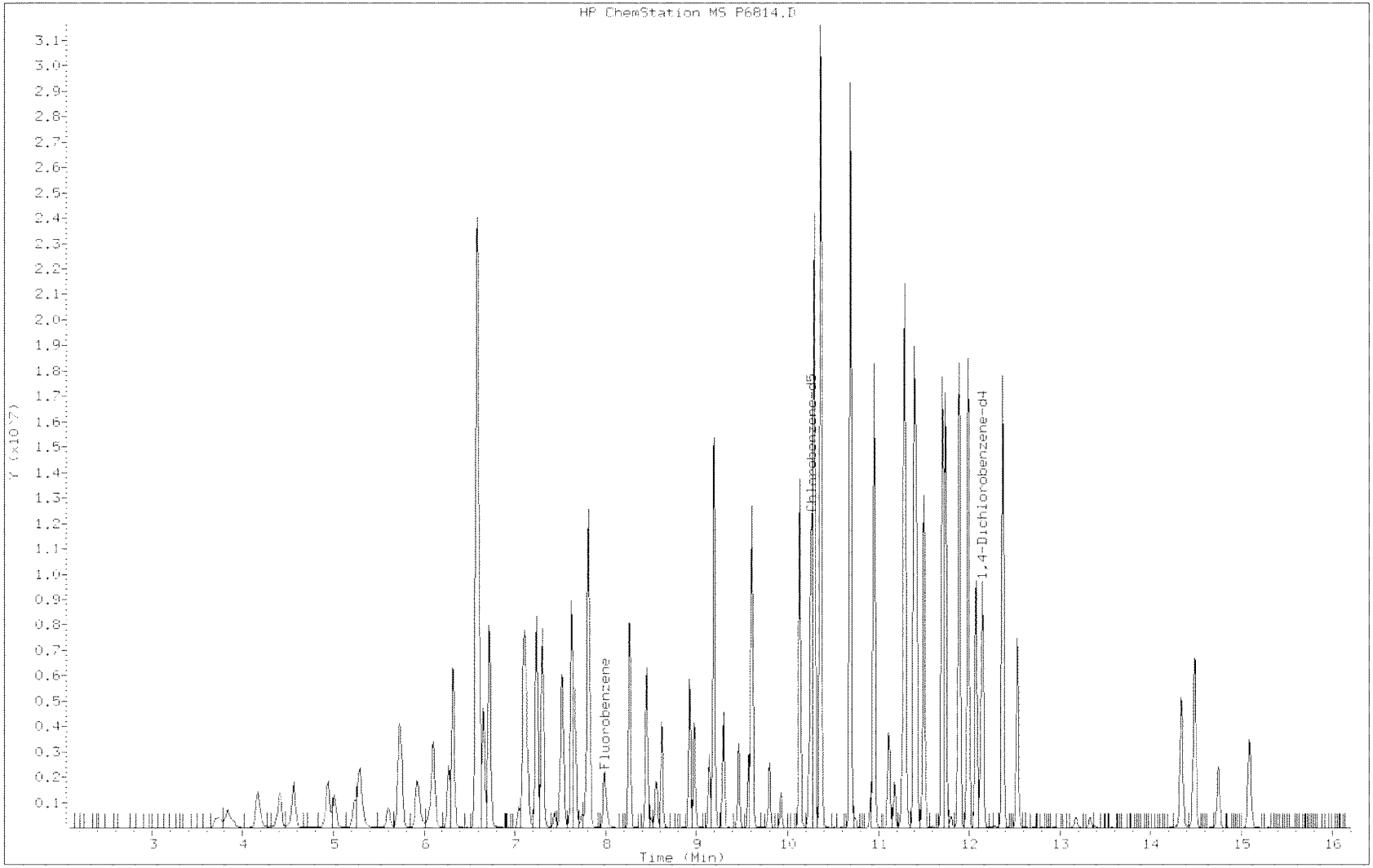
Date: 18-APR-2012 09:32

Client ID:

Instrument: P.i

Sample Info: IC,,M060

Operator: ILCZYSZD



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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 117042

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2012 10:19 | Calibration End Date: 04/25/2012 11:56 | Calibration ID: 9175

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117042/3	P6951.D
Level 2	IC 280-117042/4	P6952.D
Level 3	IC 280-117042/5	P6953.D
Level 4	ICIS 280-117042/6	P6954.D
Level 5	IC 280-117042/7	P6955.D
Level 6	IC 280-117042/8	P6956.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 3	LVL 4	LVL 5		B	M1	M2								
Ethylene oxide	+++++ 0.0060	0.0065	0.0067	0.0067	0.0063	Ave		0.0064				4.2		15.0			
Dichlorofluoromethane	0.8099 0.6908	0.7396	0.7726	0.7382	0.7038	Ave		0.7425				5.9		15.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2402	0.3685	0.3273	0.3146	0.2395	Lin1	-0.119	0.2380							0.9938		0.9900
Ethyl ether	0.1442 0.1387	0.1346	0.1464	0.1413	0.1397	Ave		0.1408				3.0		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5516 0.3184	0.4916	0.4899	0.4201	0.3697	Lin	-0.177	0.3165							0.9940		
Propene oxide	0.0232 0.0198	0.0217	0.0223	0.0224	0.0213	Ave		0.0218				5.3					
1,1,2-Trichlorotrifluoroethane	0.2182 0.1933	0.2086	0.2211	0.2065	0.1930	Ave		0.2068				5.8		15.0			
Isopropanol	0.0056 0.0054	0.0053	0.0056	0.0054	0.0053	Ave		0.0055				2.3		15.0			
Methyl acetate	0.0721 0.0665	0.0682	0.0701	0.0692	0.0652	Ave		0.0685				3.6		15.0			
Allyl chloride	0.5751 0.5241	0.5246	0.5394	0.5509	0.5327	Ave		0.5411				3.6		15.0			
Carbon disulfide	1.2540 1.0969	1.1507	1.1876	1.1649	1.1089	Ave		1.1605				4.9		15.0			
Methyl tert-butyl ether	0.4589 0.4166	0.4145	0.4363	0.4241	0.4149	Ave		0.4276				4.1		15.0			
Hexane	3.0403 2.7458	2.8662	2.8875	2.9502	2.7001	Ave		2.8650				4.4		15.0			
Vinyl acetate	0.2745 0.2660	0.2497	0.2556	0.2587	0.2372	Ave		0.2569				5.0		15.0			
Ethyl tert-butyl ether	0.6888 0.5954	0.6422	0.6642	0.6590	0.6265	Ave		0.6460				5.0		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117042

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2012 10:19 | Calibration End Date: 04/25/2012 11:56 | Calibration ID: 9175

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 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	0.1213 0.1078	0.1138	0.1148	0.1121	0.1060	Ave		0.1126				4.9		15.0			
sec-Butyl Alcohol	0.0056 0.0061	0.0053	0.0054	0.0054	0.0058	Ave		0.0056				5.4					
2-Nitropropane	+++++ 0.1576	0.1359	0.1367	0.1456	0.1457	Ave		0.1443				6.1		15.0			
Tetrahydrofuran	+++++ 0.0236	0.0238	0.0238	0.0234	0.0229	Ave		0.0235				1.7		15.0			
Cyclohexane	0.6659 0.6034	0.6057	0.6380	0.6219	0.6065	Ave		0.6236				3.9		15.0			
Tert-amyl methyl ether	0.4719 0.4481	0.4469	0.4714	0.4664	0.4556	Ave		0.4600				2.5		15.0			
2-Pentanone	0.0616 0.0622	0.0568	0.0598	0.0603	0.0606	Ave		0.0602				3.2		15.0			
Methyl methacrylate	0.0171 0.0221	0.0186	0.0210	0.0210	0.0214	Ave		0.0202				9.5		15.0			
Methylcyclohexane	0.5872 0.5258	0.5462	0.5614	0.5472	0.5301	Ave		0.5497				4.1		15.0			
2-Chloroethyl vinyl ether	0.2794 0.3821	0.2942	0.3372	0.3263	0.3628	Ave		0.3303				11.9		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.1323	0.1091	0.1137	0.1242	0.1249	Ave		0.1208				7.7		15.0			
Ethyl methacrylate	0.7256 0.8298	0.7051	0.7648	0.7857	0.8037	Ave		0.7691				6.1		15.0			
Tetrahydrothiophene	0.3194 0.4000	0.3364	0.3379	0.3822	0.3727	Ave		0.3581				8.8		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1457	0.1283	0.1331	0.1412	0.1389	Ave		0.1374				5.0		15.0			
1,2,3-Trimethylbenzene	4.2360 3.7244	4.0205	3.9574	3.9757	3.7797	Ave		3.9489				4.6		15.0			
Dibromofluoromethane (Surr)	0.2551 0.2320	0.2500	0.2394	0.2406	0.2382	Ave		0.2426				3.5		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2821 0.2595	0.2731	0.2737	0.2755	0.2665	Ave		0.2717				2.9		15.0			
Toluene-d8 (Surr)	5.7165 5.3363	5.6427	5.4768	5.5359	5.3566	Ave		5.5108				2.8		15.0			
4-Bromofluorobenzene (Surr)	1.3477 1.1986	1.3281	1.2531	1.2779	1.2224	Ave		1.2713				4.6		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 117042

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2012 10:19 | Calibration End Date: 04/25/2012 11:56 | Calibration ID: 9175

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117042/3	P6951.D
Level 2	IC 280-117042/4	P6952.D
Level 3	IC 280-117042/5	P6953.D
Level 4	ICIS 280-117042/6	P6954.D
Level 5	IC 280-117042/7	P6955.D
Level 6	IC 280-117042/8	P6956.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethylene oxide	FB	Ave	+++++ 4735259	174642	402070	808569	2364259	+++++ 7500	250	625	1250	3750
Dichlorofluoromethane	FB	Ave	89764 4333808	159798	370862	716887	2111159	1.00 60.0	2.00	5.00	10.0	30.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Lin1	+++++ 1506833	79615	157101	305570	718284	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	15984 870027	29077	70288	137250	419006	1.00 60.0	2.00	5.00	10.0	30.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Lin	61131 1997473	106220	235158	407953	1108932	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Ave	128701 6214732	234481	535069	1086140	3195733	50.0 3000	100	250	500	1500
1,1,2-Trichlorotrifluoroethane	FB	Ave	24181 1212366	45065	106124	200578	578769	1.00 60.0	2.00	5.00	10.0	30.0
Isopropanol	FB	Ave	12500 683509	23075	53443	105259	318595	20.0 1200	40.0	100	200	600
Methyl acetate	FB	Ave	39960 2084925	73680	168228	336121	977922	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	63745 3288054	113341	258931	535047	1597677	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	138979 6881341	248629	570082	1131298	3326108	1.00 60.0	2.00	5.00	10.0	30.0
Methyl tert-butyl ether	FB	Ave	50862 2613326	89555	209424	411919	1244562	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	63089 3164381	114075	257415	520188	1509201	1.00 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	60843 3337274	107920	245394	502468	1422668	2.00 120	4.00	10.0	20.0	60.0
Ethyl tert-butyl ether	FB	Ave	381710 18675691	693834	1594250	3200210	9395187	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	26898 1352445	49177	110246	217776	635758	2.00 120	4.00	10.0	20.0	60.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117042

SDG No.:

Instrument ID: MSV_P | GC Column: DB-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/25/2012 10:19 | Calibration End Date: 04/25/2012 11:56 | Calibration ID: 9175

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
sec-Butyl Alcohol	FB	Ave	18513 1142110	34054	77241	157685	519750	30.0 1800	60.0	150	300	900
2-Nitropropane	CBZ	Ave	+++++ 181658	5409	12190	25674	81410	+++++ 60.0	2.00	5.00	10.0	30.0
Tetrahydrofuran	FB	Ave	+++++ 295955	10295	22896	45500	137246	+++++ 120	4.00	10.0	20.0	60.0
Cyclohexane	FB	Ave	73807 3785285	130882	306267	603940	1819213	1.00 60.0	2.00	5.00	10.0	30.0
Tert-amyl methyl ether	FB	Ave	261494 14054398	482762	1131409	2264875	6832436	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	27326 1560852	49084	114810	234354	727080	4.00 240	8.00	20.0	40.0	120
Methyl methacrylate	FB	Ave	3786 277071	8028	20166	40781	128141	2.00 120	4.00	10.0	20.0	60.0
Methylcyclohexane	FB	Ave	65086 3298803	118014	269478	531435	1589895	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	CBZ	Ave	5797 440295	11711	30060	57526	202766	1.00 60.0	2.00	5.00	10.0	30.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 210858	5696	13685	28791	99132	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	30115 1912654	56125	136365	277082	898439	2.00 120	4.00	10.0	20.0	60.0
Tetrahydrothiophene	CBZ	Ave	6628 461021	13389	30119	67387	208314	1.00 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 232287	6700	16018	32724	110294	+++++ 60.0	2.00	5.00	10.0	30.0
1,2,3-Trimethylbenzene	DCB	Ave	115265 5936944	209973	476270	921667	3000314	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	28268 1455525	54019	114930	233696	714587	1.00 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	31265 1627844	59002	131393	267519	799251	1.00 60.0	2.00	5.00	10.0	30.0
Toluene-d8 (Surr)	CBZ	Ave	118621 6149787	224580	488247	976108	2994007	1.00 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	36671 1910589	69359	150807	296256	970359	1.00 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6951.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 25-APR-2012 10:19
Operator : MEIERG Inst ID: P.i
Smp Info : IC,,S1.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 26-Apr-2012 06:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 70 Fluorobenzene	96	7.981	7.981	(1.000)	1385410	12.5000		
* 96 Chlorobenzene-d5	119	10.234	10.234	(1.000)	259384	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	340135	12.5000		(Q)
$ 59 Dibromofluoromethane (Surr)	111	7.438	7.438	(0.932)	28268	1.00000	1.05149	
$ 65 1,2-Dichloroethane-d4	65	7.738	7.738	(0.970)	31265	1.00000	1.03819	
$ 84 Toluene-d8	98	9.140	9.140	(0.893)	118621	1.00000	1.03732	
$ 107 4-Bromofluorobenzene (Surr)	95	11.120	11.120	(0.917)	36671	1.00000	1.06008	
9 Ethylene Oxide	43	4.875	4.875	(0.611)	95318	125.000	133.659	
12 Dichlorofluoromethane	67	5.168	5.168	(0.648)	89764	1.00000	1.09080	(a)
17 Ethyl Ether	59	5.434	5.434	(0.681)	15984	1.00000	1.02412	(a)
18 Propylene Oxide	58	5.550	5.550	(0.695)	128701	50.0000	53.3029	
21 Trichlorotrifluoroethane	151	5.686	5.686	(0.712)	24181	1.00000	1.05520	
22 2-propanol	45	5.729	5.729	(0.718)	12500	20.0000	20.6793	(Q)
28 Methyl Acetate	43	5.944	5.944	(0.745)	39960	5.00000	5.25962	
29 Allyl Chloride	41	6.001	6.001	(0.752)	63745	1.00000	1.06284	(a)
31 Carbon Disulfide	76	6.015	6.015	(0.754)	138979	1.00000	1.08053	
35 Methyl t-butyl ether	73	6.265	6.265	(0.785)	50862	1.00000	1.07334	(a)
40 Hexane	57	6.473	6.473	(0.633)	63089	1.00000	1.06118	
42 Vinyl acetate	43	6.580	6.580	(0.824)	60843	2.00000	2.13652	
43 sec-Butyl Alcohol	45	7.080	7.080	(0.887)	18513	30.0000	29.9688	
49 ETBE	59	6.873	6.873	(0.861)	381710	5.00000	5.33106	
50 Ethyl Acetate	43	7.016	7.016	(0.879)	26898	2.00000	2.15447	(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
58	Tetrahydrofuran	42	7.331	7.331	(0.918)	5286	2.00000	2.02840(a)
62	Cyclohexane	56	7.581	7.581	(0.950)	73807	1.00000	1.06792(a)
67	TAME	73	7.781	7.781	(0.975)	261494	5.00000	5.12868
73	2-Pentanone	43	8.303	8.303	(1.040)	27326	4.00000	4.09380
76	Methyl Cyclohexane	55	8.439	8.439	(1.057)	65086	1.00000	1.06839
74	Methyl Methacrylate	100	8.389	8.389	(1.051)	3786	2.00000	1.69244(Q)
80	2-nitropropane	41	Compound Not Detected.					
81	2-Chloroethyl vinyl ether	63	8.746	8.746	(0.855)	5797	1.00000	0.845753(a)
86	Ethyl methacrylate	69	9.268	9.268	(0.906)	30115	2.00000	1.88689
93	Tetrahydrothiophene	60	9.833	9.833	(0.961)	6628	1.00000	0.891965(a)
105	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
109	t-1,4-Dichloro-2-butene	53	11.220	11.220	(0.925)	3604	1.00000	0.963666(a)
124	1,2,3-Trimethylbenzene	105	12.143	12.143	(1.001)	115265	1.00000	1.07269

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: P6951.D

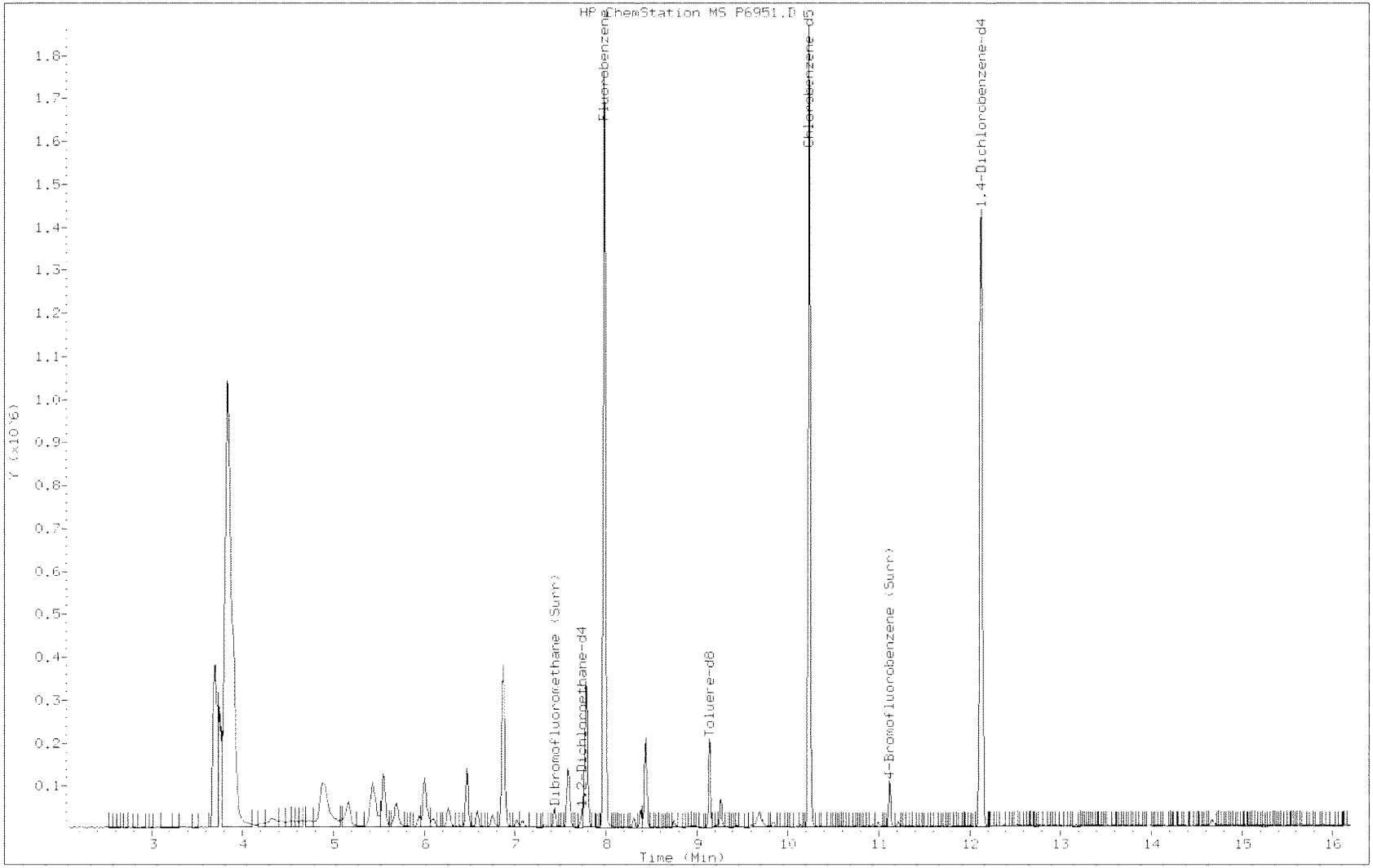
Date: 25-APR-2012 10:19

Client ID: IC

Instrument: P.i

Sample Info: IC,,S1.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6952.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 25-APR-2012 10:38
Operator : MEIERG Inst ID: P.i
Smp Info : IC,,S2.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 26-Apr-2012 06:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 10:19 Cal File: P6951.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1350433	12.5000	
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	248752	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	326412	12.5000	
$ 59 Dibromofluoromethane (Surr)	111	7.444	7.444	(0.932)	54019	2.00000	2.06139
$ 65 1,2-Dichloroethane-d4	65	7.745	7.745	(0.970)	59002	2.00000	2.00997
$ 84 Toluene-d8	98	9.146	9.146	(0.893)	224580	2.00000	2.04786
$ 107 4-Bromofluorobenzene (Surr)	95	11.119	11.119	(0.917)	69359	2.00000	2.08932
9 Ethylene Oxide	43	4.889	4.889	(0.612)	174642	250.000	251.234
12 Dichlorofluoromethane	67	5.183	5.183	(0.649)	159798	2.00000	1.99215(a)
15 1,2-dichloro-1,1,2-trifluoroe	117	5.434	5.434	(0.680)	79615	2.00000	1.61280
17 Ethyl Ether	59	5.434	5.434	(0.680)	29077	2.00000	1.91127(a)
16 2,2-dichloro-1,1,1-trifluoroe	83	5.476	5.476	(0.686)	106220	2.00000	0.894402(a)
18 Propylene Oxide	58	5.557	5.557	(0.696)	234481	100.000	99.6282
21 Trichlorotrifluoroethane	151	5.707	5.707	(0.714)	45065	2.00000	2.01747
22 2-propanol	45	5.735	5.735	(0.718)	23075	40.0000	39.1627
28 Methyl Acetate	43	5.950	5.950	(0.745)	73680	10.0000	9.94909
29 Allyl Chloride	41	6.007	6.007	(0.752)	113341	2.00000	1.93872(a)
31 Carbon Disulfide	76	6.021	6.021	(0.754)	248629	2.00000	1.98311
35 Methyl t-butyl ether	73	6.272	6.272	(0.785)	89555	2.00000	1.93882(a)
40 Hexane	57	6.479	6.479	(0.633)	114075	2.00000	2.00080
42 Vinyl acetate	43	6.586	6.586	(0.825)	107920	4.00000	3.88779
43 sec-Butyl Alcohol	45	7.087	7.087	(0.887)	34054	60.0000	56.5542

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
49	ETBE	59	6.872	6.872	(0.860)	693834	10.0000	9.94125
50	Ethyl Acetate	43	7.022	7.022	(0.879)	49177	4.00000	4.04098(a)
58	Tetrahydrofuran	42	7.330	7.330	(0.918)	10295	4.00000	4.05283(a)
62	Cyclohexane	56	7.587	7.587	(0.950)	130882	2.00000	1.94279(a)
67	TAME	73	7.780	7.780	(0.974)	482762	10.0000	9.71364
73	2-Pentanone	43	8.309	8.309	(1.040)	49084	8.00000	7.54389
76	Methyl Cyclohexane	55	8.438	8.438	(1.056)	118014	2.00000	1.98738
74	Methyl Methacrylate	100	8.388	8.388	(1.050)	8028	4.00000	3.68166
80	2-nitropropane	41	8.760	8.760	(0.855)	5409	2.00000	1.88354(a)
81	2-Chloroethyl vinyl ether	63	8.746	8.746	(0.854)	11711	2.00000	1.78160(a)
86	Ethyl methacrylate	69	9.268	9.268	(0.905)	56125	4.00000	3.66689
93	Tetrahydrothiophene	60	9.840	9.840	(0.961)	13389	2.00000	1.87884
105	cis-1,4-dichloro-2-butene	53	10.998	10.998	(0.907)	5696	2.00000	1.80533
109	t-1,4-Dichloro-2-butene	53	11.212	11.212	(0.925)	6700	2.00000	1.86682
124	1,2,3-Trimethylbenzene	105	12.142	12.142	(1.001)	209973	2.00000	2.03623

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: P6952.D

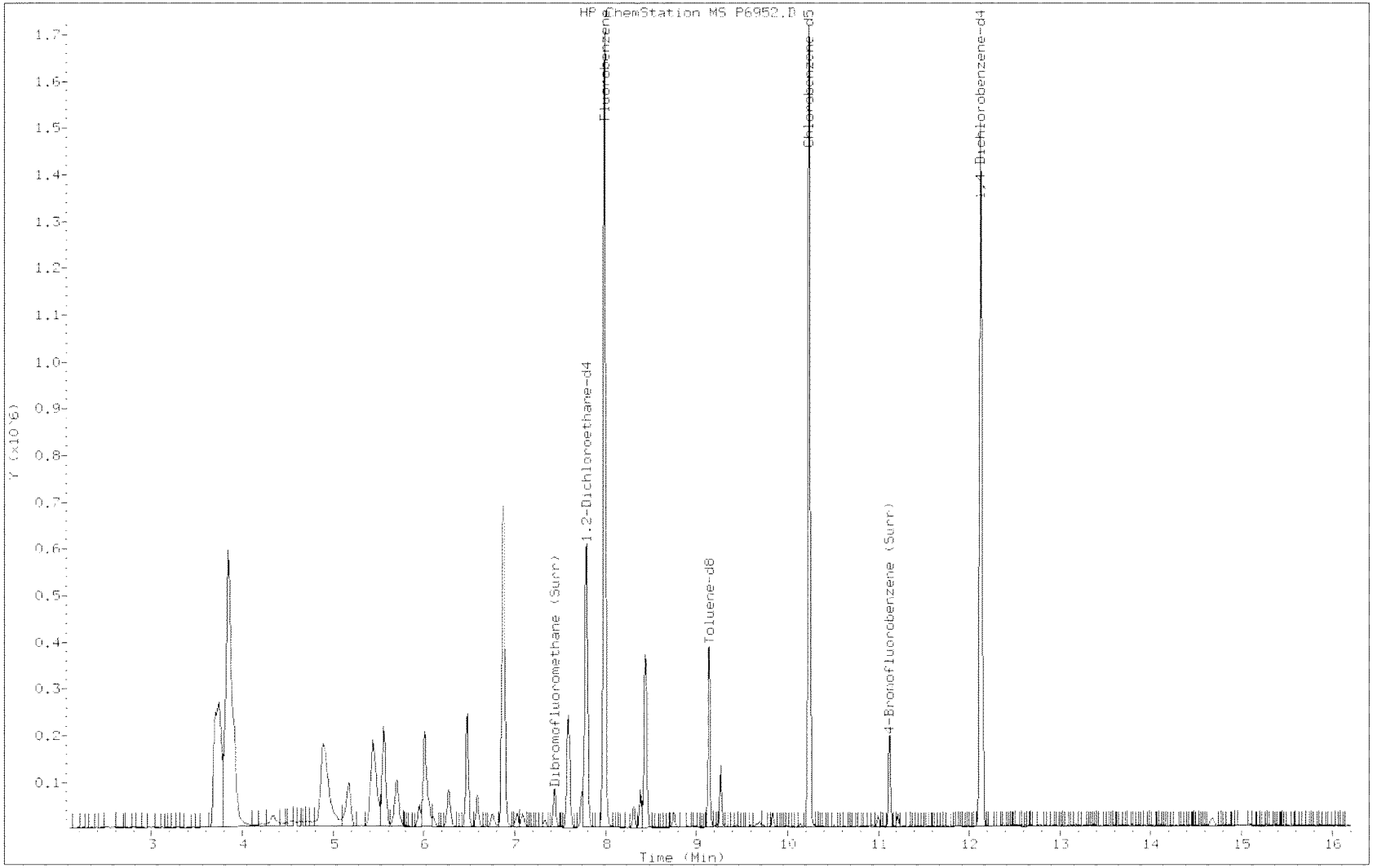
Date: 25-APR-2012 10:38

Client ID: IC

Instrument: P.i

Sample Info: IC,,S2.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6953.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 25-APR-2012 10:58
Operator : MEIERG Inst ID: P.i
Smp Info : IC,,S5.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 26-Apr-2012 06:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 10:38 Cal File: P6952.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.982	7.982	(1.000)	1200069	12.5000	
* 96 Chlorobenzene-d5	119	10.235	10.235	(1.000)	222869	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.129	12.129	(1.000)	300876	12.5000	
$ 59 Dibromofluoromethane (Surr)	111	7.439	7.439	(0.932)	114930	5.00000	4.93531
$ 65 1,2-Dichloroethane-d4	65	7.739	7.739	(0.970)	131393	5.00000	5.03688
$ 84 Toluene-d8	98	9.141	9.141	(0.893)	488247	5.00000	4.96918
$ 107 4-Bromofluorobenzene (Surr)	95	11.121	11.121	(0.917)	150807	5.00000	4.92835
9 Ethylene Oxide	43	4.887	4.887	(0.612)	402070	625.000	650.876
12 Dichlorofluoromethane	67	5.180	5.180	(0.649)	370862	5.00000	5.20270
15 1,2-dichloro-1,1,2-trifluoroe	117	5.431	5.431	(0.680)	157101	5.00000	5.39227
17 Ethyl Ether	59	5.445	5.445	(0.682)	70288	5.00000	5.19901
16 2,2-dichloro-1,1,1-trifluoroe	83	5.473	5.473	(0.686)	235158	5.00000	5.52731
18 Propylene Oxide	58	5.558	5.558	(0.696)	535069	250.000	255.830
21 Trichlorotrifluoroethane	151	5.701	5.701	(0.714)	106124	5.00000	5.34623
22 2-propanol	45	5.737	5.737	(0.719)	53443	100.000	102.068
28 Methyl Acetate	43	5.952	5.952	(0.746)	168228	25.0000	25.5622
29 Allyl Chloride	41	6.002	6.002	(0.752)	258931	5.00000	4.98402
31 Carbon Disulfide	76	6.016	6.016	(0.754)	570082	5.00000	5.11681
35 Methyl t-butyl ether	73	6.273	6.273	(0.786)	209424	5.00000	5.10201
40 Hexane	57	6.474	6.474	(0.633)	257415	5.00000	5.03924
42 Vinyl acetate	43	6.588	6.588	(0.825)	245394	10.0000	9.94790
43 sec-Butyl Alcohol	45	7.081	7.081	(0.887)	77241	150.000	144.348

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
49	ETBE	59	6.874	6.874	(0.861)	1594250	25.0000	25.7045
50	Ethyl Acetate	43	7.024	7.024	(0.880)	110246	10.0000	10.1942
58	Tetrahydrofuran	42	7.332	7.332	(0.918)	22896	10.0000	10.1428
62	Cyclohexane	56	7.582	7.582	(0.950)	30627	5.00000	5.11580
67	TAME	73	7.782	7.782	(0.975)	1131409	25.0000	25.6174
73	2-Pentanone	43	8.311	8.311	(1.041)	114810	20.0000	19.8565
76	Methyl Cyclohexane	55	8.440	8.440	(1.057)	269478	5.00000	5.10666
74	Methyl Methacrylate	100	8.390	8.390	(1.051)	20166	10.0000	10.4070
80	2-nitropropane	41	8.762	8.762	(0.856)	12190	5.00000	4.73782
81	2-Chloroethyl vinyl ether	63	8.747	8.747	(0.855)	30060	5.00000	5.10414
86	Ethyl methacrylate	69	9.269	9.269	(0.906)	136365	10.0000	9.94400
93	Tetrahydrothiophene	60	9.841	9.841	(0.962)	30119	5.00000	4.71736
105	cis-1,4-dichloro-2-butene	53	10.993	10.993	(0.906)	13685	5.00000	4.70554
109	t-1,4-Dichloro-2-butene	53	11.214	11.214	(0.925)	16018	5.00000	4.84188
124	1,2,3-Trimethylbenzene	105	12.144	12.144	(1.001)	476270	5.00000	5.01066

Data File: P6953.D

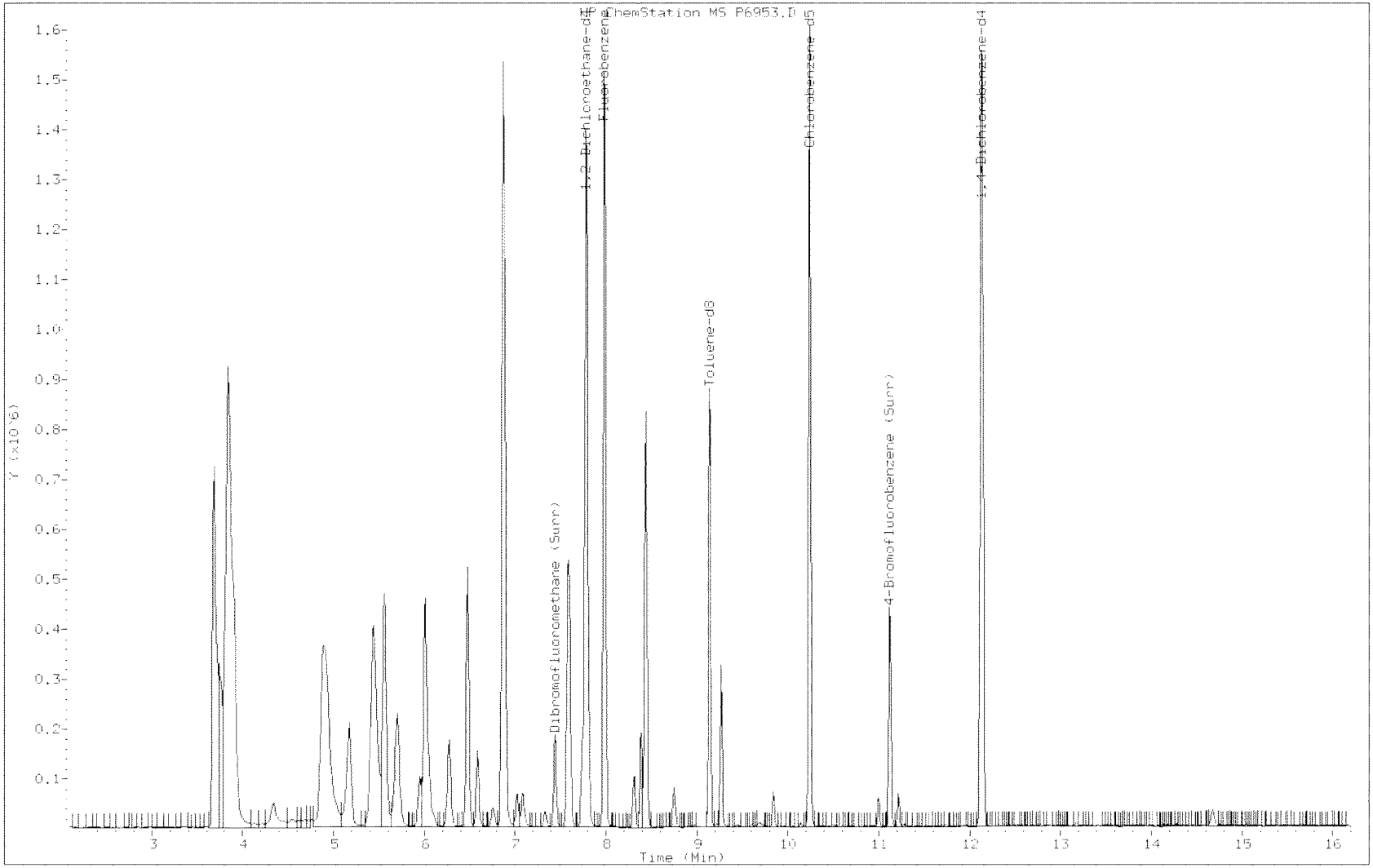
Date: 25-APR-2012 10:58

Client ID: IC

Instrument: P.i

Sample Info: IC,,S5.0

Operator: MEIERG



EPAPAV0011659

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6954.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 25-APR-2012 11:17
Operator : MEIERG Inst ID: P.i
Smp Info : ICIS,,S10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 26-Apr-2012 06:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 10:58 Cal File: P6953.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1213960	12.5000	
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	220403	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	289784	12.5000	
$ 59 Dibromofluoromethane (Surr)	111	7.437	7.437	(0.931)	233696	10.0000	9.92051
$ 65 1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	267519	10.0000	10.1378
$ 84 Toluene-d8	98	9.146	9.146	(0.893)	976108	10.0000	10.0456
$ 107 4-Bromofluorobenzene (Surr)	95	11.127	11.127	(0.917)	296256	10.0000	10.0522
9 Ethylene Oxide	43	4.901	4.901	(0.614)	808569	1250.00	1293.94
12 Dichlorofluoromethane	67	5.180	5.180	(0.649)	716887	10.0000	9.94190
15 1,2-dichloro-1,1,2-trifluoroe	117	5.432	5.432	(0.680)	305570	10.0000	11.7375
17 Ethyl Ether	59	5.432	5.432	(0.680)	137250	10.0000	10.0358
16 2,2-dichloro-1,1,1-trifluoroe	83	5.474	5.474	(0.685)	407953	10.0000	11.0608
18 Propylene Oxide	58	5.557	5.557	(0.696)	1086140	500.000	513.368
21 Trichlorotrifluoroethane	151	5.700	5.700	(0.714)	200578	10.0000	9.98893
22 2-propanol	45	5.728	5.728	(0.717)	105259	200.000	198.728
28 Methyl Acetate	43	5.950	5.950	(0.745)	336121	50.0000	50.4892
29 Allyl Chloride	41	6.000	6.000	(0.751)	535047	10.0000	10.1810
31 Carbon Disulfide	76	6.014	6.014	(0.753)	1131298	10.0000	10.0378
35 Methyl t-butyl ether	73	6.272	6.272	(0.785)	411919	10.0000	9.92039
40 Hexane	57	6.472	6.472	(0.632)	520188	10.0000	10.2973
42 Vinyl acetate	43	6.587	6.587	(0.825)	502468	20.0000	20.1362
43 sec-Butyl Alcohol	45	7.087	7.087	(0.887)	157685	300.000	291.310

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
49	ETBE	59	6.873	6.873	(0.860)	3200210	50.0000	51.0073
50	Ethyl Acetate	43	7.023	7.023	(0.879)	217776	20.0000	19.9069
58	Tetrahydrofuran	42	7.330	7.330	(0.918)	45500	20.0000	19.9256
62	Cyclohexane	56	7.588	7.588	(0.950)	603940	10.0000	9.97261
67	TAME	73	7.781	7.781	(0.974)	2264875	50.0000	50.6946
73	2-Pentanone	43	8.310	8.310	(1.040)	234354	40.0000	40.0679
76	Methyl Cyclohexane	55	8.438	8.438	(1.056)	531435	10.0000	9.95556
74	Methyl Methacrylate	100	8.388	8.388	(1.050)	40781	20.0000	20.8048
80	2-nitropropane	41	8.767	8.767	(0.856)	25674	10.0000	10.0902
81	2-Chloroethyl vinyl ether	63	8.746	8.746	(0.854)	57526	10.0000	9.87712
86	Ethyl methacrylate	69	9.268	9.268	(0.905)	277082	20.0000	20.4314
93	Tetrahydrothiophene	60	9.840	9.840	(0.961)	67387	10.0000	10.6725
105	cis-1,4-dichloro-2-butene	53	10.998	10.998	(0.907)	28791	10.0000	10.2786
109	t-1,4-Dichloro-2-butene	53	11.220	11.220	(0.925)	32724	10.0000	10.2703
124	1,2,3-Trimethylbenzene	105	12.149	12.149	(1.002)	921667	10.0000	10.0677

Data File: P6954.D

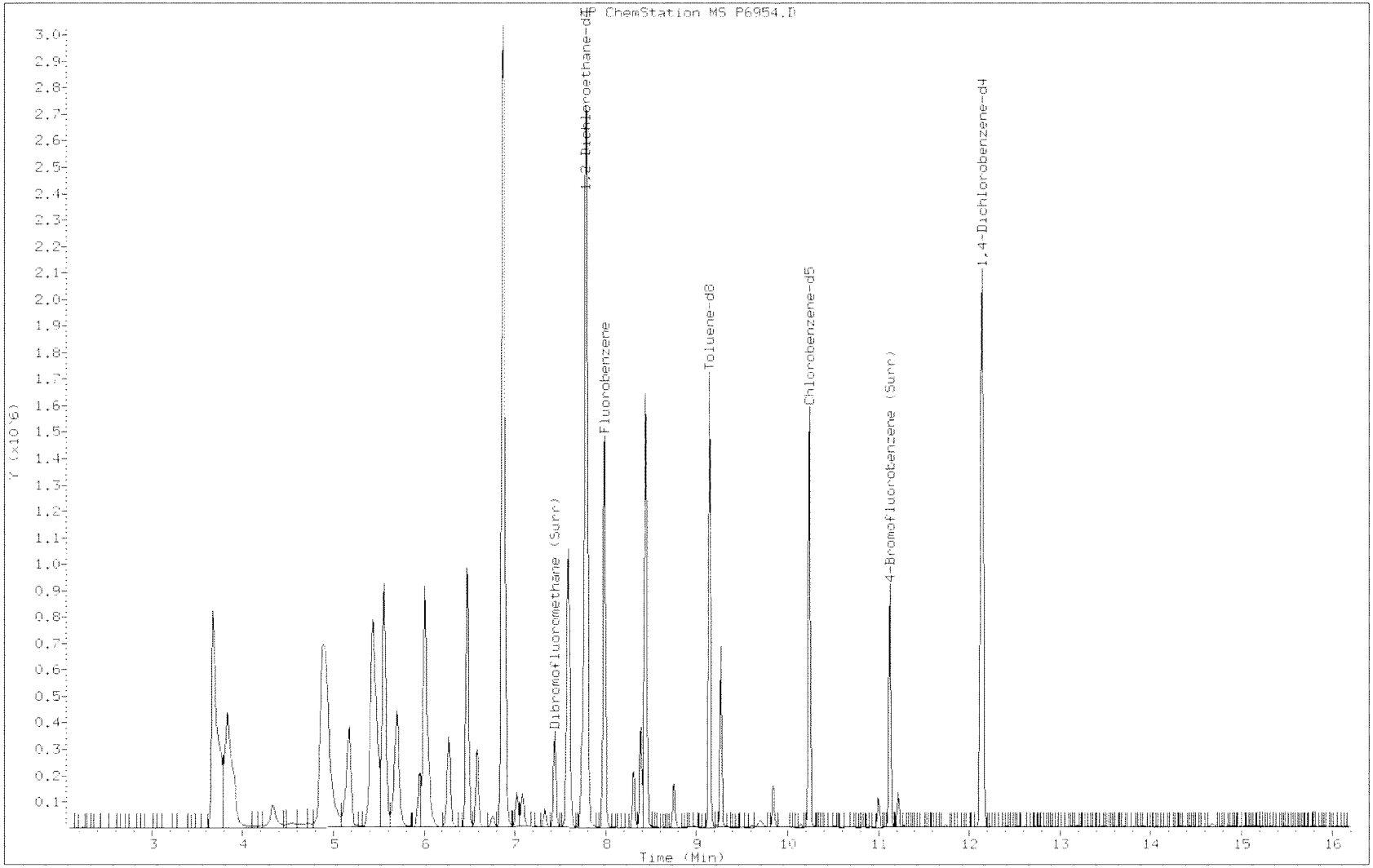
Date: 25-APR-2012 11:17

Client ID: ICIS

Instrument: P.i

Sample Info: ICIS,,S10

Operator: MEIERG



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VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6955.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 25-APR-2012 11:37
Operator : MEIERG Inst ID: P.i
Smp Info : IC,,S30
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 26-Apr-2012 06:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 11:17 Cal File: P6954.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 70 Fluorobenzene	96	7.989	7.989	(1.000)	1249778	12.5000	
* 96 Chlorobenzene-d5	119	10.241	10.241	(1.000)	232889	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.129	12.129	(1.000)	330750	12.5000	
$ 59 Dibromofluoromethane (Surr)	111	7.438	7.438	(0.931)	714587	30.0000	29.4652
$ 65 1,2-Dichloroethane-d4	65	7.739	7.739	(0.969)	799251	30.0000	29.4202
$ 84 Toluene-d8	98	9.147	9.147	(0.893)	2994007	30.0000	29.1607
$ 107 4-Bromofluorobenzene (Surr)	95	11.128	11.128	(0.917)	970359	30.0000	28.8470
9 Ethylene Oxide	43	4.886	4.886	(0.612)	2364259	3750.00	3675.06
12 Dichlorofluoromethane	67	5.179	5.179	(0.648)	2111159	30.0000	28.4388
15 1,2-dichloro-1,1,2-trifluoroe	117	5.430	5.430	(0.680)	718284	30.0000	28.7042
17 Ethyl Ether	59	5.444	5.444	(0.681)	419006	30.0000	29.7600
16 2,2-dichloro-1,1,1-trifluoroe	83	5.472	5.472	(0.685)	1108932	30.0000	32.8336
18 Propylene Oxide	58	5.558	5.558	(0.696)	3195733	1500.00	1467.19
21 Trichlorotrifluoroethane	151	5.708	5.708	(0.715)	578769	30.0000	27.9971
22 2-propanol	45	5.737	5.737	(0.718)	318595	600.000	584.265
28 Methyl Acetate	43	5.951	5.951	(0.745)	977922	150.000	142.685
29 Allyl Chloride	41	6.008	6.008	(0.752)	1597677	30.0000	29.5296
31 Carbon Disulfide	76	6.023	6.023	(0.754)	3326108	30.0000	28.6663
35 Methyl t-butyl ether	73	6.273	6.273	(0.785)	1244562	30.0000	29.1142
40 Hexane	57	6.480	6.480	(0.633)	1509201	30.0000	28.2735
42 Vinyl acetate	43	6.588	6.588	(0.825)	1422668	60.0000	55.3789
43 sec-Butyl Alcohol	45	7.088	7.088	(0.887)	519750	900.000	932.678

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
49	ETBE	59	6.874	6.874	(0.860)	9395187	150.000	145.456
50	Ethyl Acetate	43	7.024	7.024	(0.879)	635758	60.0000	56.4491
58	Tetrahydrofuran	42	7.331	7.331	(0.918)	137246	60.0000	58.3810
62	Cyclohexane	56	7.589	7.589	(0.950)	1819213	30.0000	29.1790
67	TAME	73	7.789	7.789	(0.975)	6832436	150.000	148.547
73	2-Pentanone	43	8.311	8.311	(1.040)	727080	120.000	120.747
76	Methyl Cyclohexane	55	8.439	8.439	(1.056)	1589895	30.0000	28.9305
74	Methyl Methacrylate	100	8.389	8.389	(1.050)	128141	60.0000	63.4988
80	2-nitropropane	41	8.768	8.768	(0.856)	81410	30.0000	30.2798
81	2-Chloroethyl vinyl ether	63	8.747	8.747	(0.854)	202766	30.0000	32.9480
86	Ethyl methacrylate	69	9.269	9.269	(0.905)	898439	60.0000	62.6971
93	Tetrahydrothiophene	60	9.841	9.841	(0.961)	208314	30.0000	31.2232
105	cis-1,4-dichloro-2-butene	53	10.999	10.999	(0.907)	99132	30.0000	31.0074
109	t-1,4-Dichloro-2-butene	53	11.214	11.214	(0.925)	110294	30.0000	30.3281
124	1,2,3-Trimethylbenzene	105	12.150	12.150	(1.002)	3000314	30.0000	28.7142

Data File: P6955.D

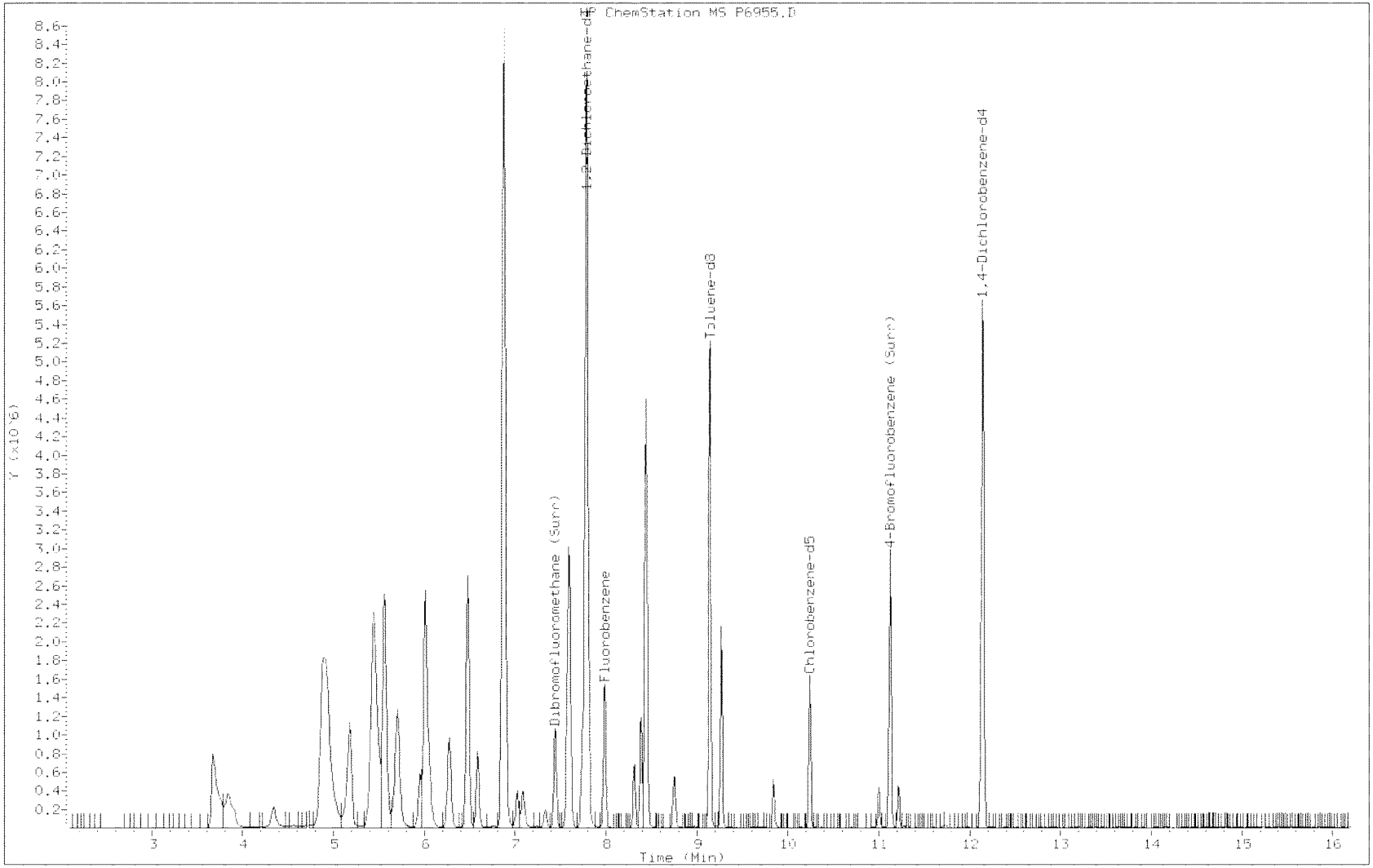
Date: 25-APR-2012 11:37

Client ID: IC

Instrument: P.i

Sample Info: IC,,S30

Operator: MEIERG



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VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6956.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 25-APR-2012 11:56
Operator : MEIERG Inst ID: P.i
Smp Info : IC,,S60
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 26-Apr-2012 06:28 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1306941	12.5000	
* 96 Chlorobenzene-d5	119	10.240	10.240	(1.000)	240093	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.135	12.128	(1.000)	332094	12.5000	
$ 59 Dibromofluoromethane (Surr)	111	7.438	7.438	(0.931)	1455525	60.0000	57.3919
$ 65 1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	1627844	60.0000	57.2997
$ 84 Toluene-d8	98	9.146	9.146	(0.893)	6149787	60.0000	58.0999
$ 107 4-Bromofluorobenzene (Surr)	95	11.127	11.127	(0.917)	1910589	60.0000	56.5684
9 Ethylene Oxide	43	4.903	4.903	(0.614)	4735259	7500.00	7038.67
12 Dichlorofluoromethane	67	5.183	5.183	(0.649)	4333808	60.0000	55.8260
15 1,2-dichloro-1,1,2-trifluoroe	117	5.434	5.434	(0.680)	1506833	60.0000	59.0754
17 Ethyl Ether	59	5.434	5.434	(0.680)	870027	60.0000	59.0912
16 2,2-dichloro-1,1,1-trifluoroe	83	5.476	5.476	(0.686)	1997473	60.0000	58.1534
18 Propylene Oxide	58	5.557	5.557	(0.696)	6214732	3000.00	2728.44
21 Trichlorotrifluoroethane	151	5.700	5.700	(0.714)	1212366	60.0000	56.0813
22 2-propanol	45	5.736	5.736	(0.718)	683509	1200.00	1198.65
28 Methyl Acetate	43	5.950	5.950	(0.745)	2084925	300.000	290.898
29 Allyl Chloride	41	6.000	6.000	(0.751)	3288054	60.0000	58.1145
31 Carbon Disulfide	76	6.015	6.015	(0.753)	6881341	60.0000	56.7133
35 Methyl t-butyl ether	73	6.272	6.272	(0.785)	2613326	60.0000	58.4600
40 Hexane	57	6.479	6.479	(0.633)	3164381	60.0000	57.5030
42 Vinyl acetate	43	6.587	6.587	(0.825)	3337274	120.000	124.225(A)
43 sec-Butyl Alcohol	45	7.087	7.087	(0.887)	1142110	1800.00	1959.85(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
49	ETBE	59	6.873	6.873	(0.860)	18675691	300.000	276.490
50	Ethyl Acetate	43	7.023	7.023	(0.879)	1352445	120.000	114.832
58	Tetrahydrofuran	42	7.330	7.330	(0.918)	295955	120.000	120.386(A)
62	Cyclohexane	56	7.588	7.588	(0.950)	3785285	60.0000	58.0580
67	TAME	73	7.788	7.788	(0.975)	14054398	300.000	292.199
73	2-Pentanone	43	8.310	8.310	(1.040)	1560852	240.000	247.876(A)
76	Methyl Cyclohexane	55	8.439	8.439	(1.056)	3298803	60.0000	57.4011
74	Methyl Methacrylate	100	8.388	8.388	(1.050)	277071	120.000	131.294(A)
80	2-nitropropane	41	8.767	8.767	(0.856)	181658	60.0000	65.5390(A)
81	2-Chloroethyl vinyl ether	63	8.746	8.746	(0.854)	440295	60.0000	69.3981(A)
86	Ethyl methacrylate	69	9.268	9.268	(0.905)	1912654	120.000	129.469(A)
93	Tetrahydrothiophene	60	9.840	9.840	(0.961)	461021	60.0000	67.0270(A)
105	cis-1,4-dichloro-2-butene	53	10.998	10.998	(0.906)	210858	60.0000	65.6872(A)
109	t-1,4-Dichloro-2-butene	53	11.220	11.220	(0.925)	232287	60.0000	63.6146(A)
124	1,2,3-Trimethylbenzene	105	12.149	12.149	(1.001)	5936944	60.0000	56.5890

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: P6956.D

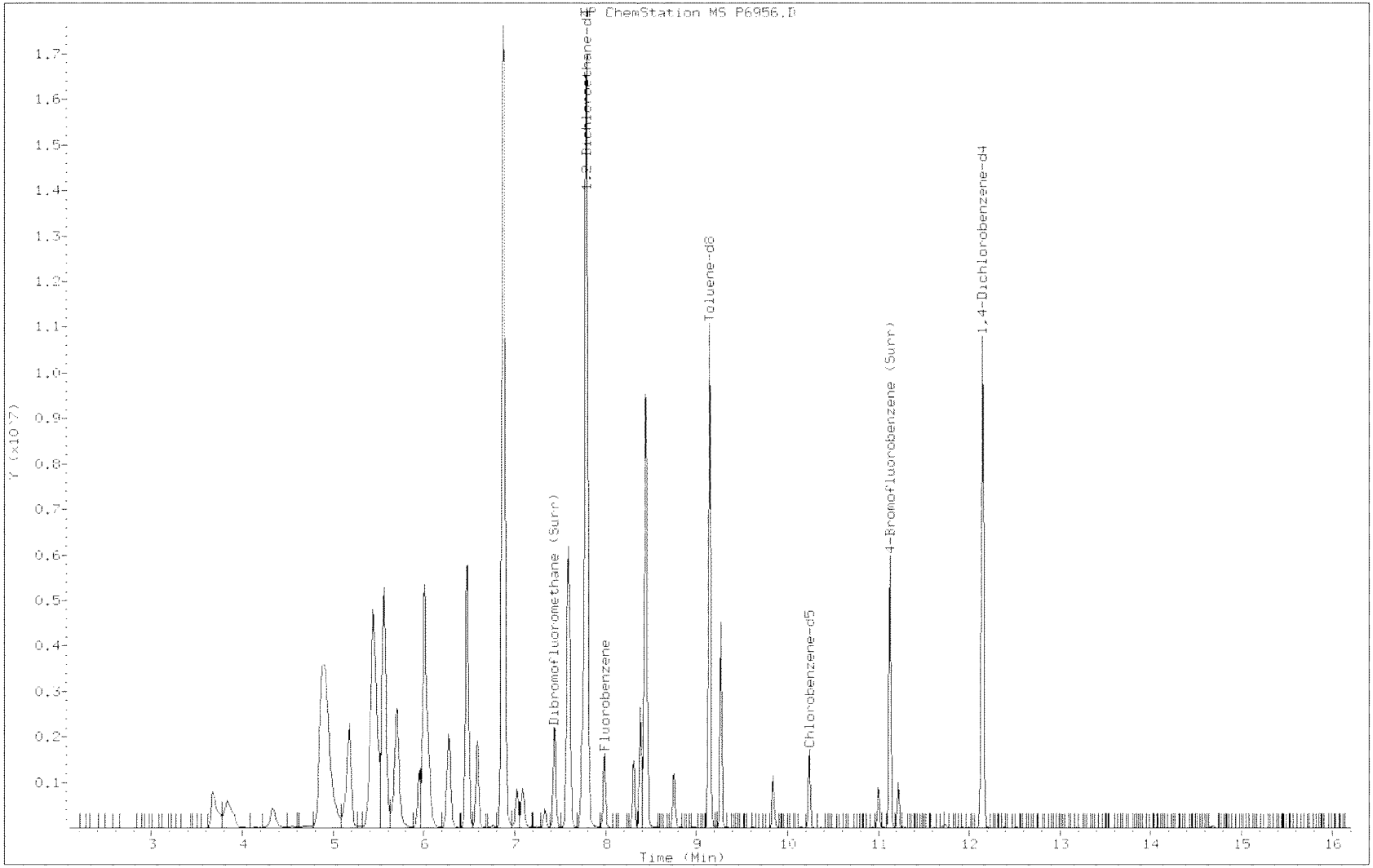
Date: 25-APR-2012 11:56

Client ID: IC

Instrument: P.i

Sample Info: IC,,S60

Operator: MEIERG



FORM VI I
GC/ MS VOA CONTI NUI NG CALI BRATI ON DATA

Lab Name: Test Ameri ca Denver Job No. : 280-28076-1

SDG No. :

Lab Sampl e I D: I CV 280-115881/ 8 Cal i brat i on Dat e: 04/ 17/ 2012 11: 20

I nst rument I D: MSV_P Cal i b St art Dat e: 04/ 17/ 2012 09: 07

GC Col umn: DB-624 (60. 25) I D: 0. 25(mm) Cal i b End Dat e: 04/ 17/ 2012 10: 59

Lab Fi l e I D: P6757. D Conc. Uni t s: ug/ L Heat ed Purge: (Y/ N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MI N RRF	CALC AMOUNT	SPI KE AMOUNT	%D	MAX %D
1, 2-Di chl oro-1, 1, 2, 2-t et raf l uoroet hane	Ave	0. 3548	0. 2648		7. 46	10. 0	-25. 4	50. 0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6757.D
Lab Smp Id: ICV
Inj Date : 17-APR-2012 11:20
Operator : ILCZYSZD Inst ID: P.i
Smp Info : ICV,,F1269381,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\8260B-H2O.m
Meth Date : 18-Apr-2012 06:56 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 13:17 Cal File: P6763.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV114.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 70 Fluorobenzene	96	7.989	7.989	(1.000)	1427740	12.5000	
* 96 Chlorobenzene-d5	119	10.242	10.241	(1.000)	271828	12.5000	
* 122 1,4-Dichlorobenzene-d4	152	12.136	12.128	(1.000)	367794	12.5000	
6 1,2-Dichlorotetrafluoroethane	85	4.344	4.330	(0.544)	302464	7.46356	7.46356

Data File: P6757.D

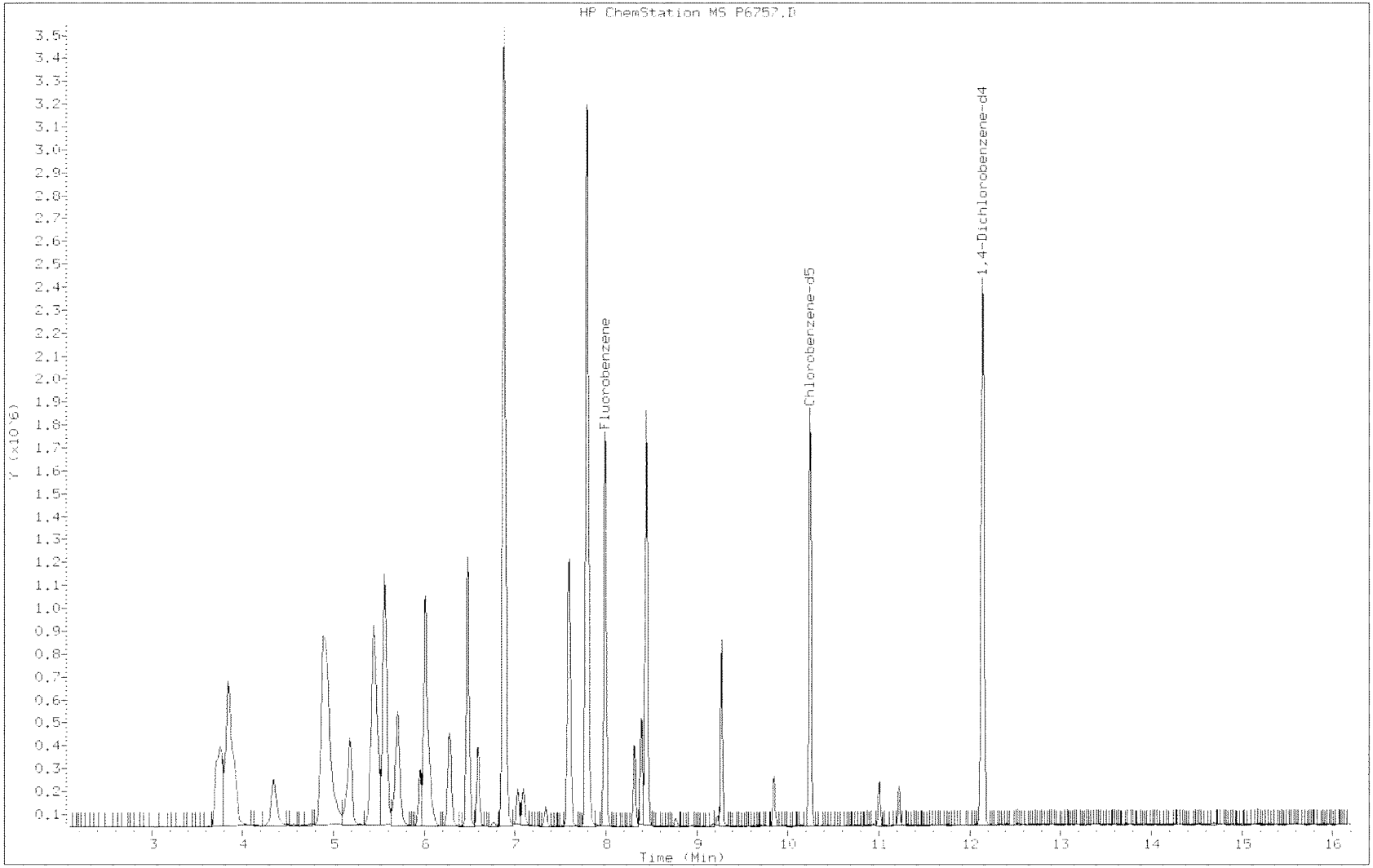
Date: 17-APR-2012 11:20

Client ID:

Instrument: P.i

Sample Info: ICV,,F1269381,

Operator: ILCZYSZD



FORM VI I
GC/ MS VOA CONTI NUI NG CALI BRATI ON DATA

Lab Name: Test Ameri ca Denver Job No. : 280-28076-1

SDG No. :

Lab Sampl e I D: I CV 280-115994/ 9 Cal i brat i on Dat e: 04/ 18/ 2012 10: 18

I nst rument I D: MSV_P Cal i b St art Dat e: 04/ 18/ 2012 07: 36

GC Col umn: DB-624 (60. 25) I D: 0. 25(mm) Cal i b End Dat e: 04/ 18/ 2012 09: 32

Lab Fi l e I D: P6815. D Conc. Uni t s: ug/ L Heat ed Purge: (Y/ N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MI N RRF	CALC AMOUNT	SPI KE AMOUNT	%D	MAX %D
Et hanol	Ave	0. 0009	0. 0009		217	200	8. 5	55. 0
Chl oroprene	Ave	0. 6570	0. 6684		10. 2	10. 0	1. 7	35. 0
Propi oni t ri l e	Ave	0. 0095	0. 0107		112	100	12. 1	55. 0
Met hacryl oni t ri l e	Ave	0. 0540	0. 0603		112	100	11. 8	55. 0
I sobut anol	Ave	0. 0021	0. 0022		211	200	5. 7	55. 0
1, 4-Di oxane	Ave	0. 0007	0. 0007		197	200	-1. 4	55. 0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6815.D
Lab Smp Id: ICV
Inj Date : 18-APR-2012 10:18
Operator : ILCZYSZD Inst ID: P.i
Smp Info : ICV,,MB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 13:17 Cal File: P6763.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMB.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1545726	12.5000		
* 96 Chlorobenzene-d5	119	10.240	10.233	(1.000)	292822	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.135	12.128	(1.000)	388046	12.5000		(Q)
13 Ethanol	45	5.292	5.292	(0.662)	22936	217.095	217.095	
47 Chloroprene	53	6.722	6.715	(0.842)	826491	10.1728	10.1728	
52 Propionitrile	54	7.123	7.116	(0.892)	131660	112.107	112.106	
55 Methacrylonitrile	41	7.237	7.237	(0.906)	745586	111.753	111.753	
60 Isobutanol	41	7.509	7.502	(0.940)	55147	211.472	211.472	
77 1,4-Dioxane	88	8.502	8.503	(1.064)	16549	197.110	197.110	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P6815.D

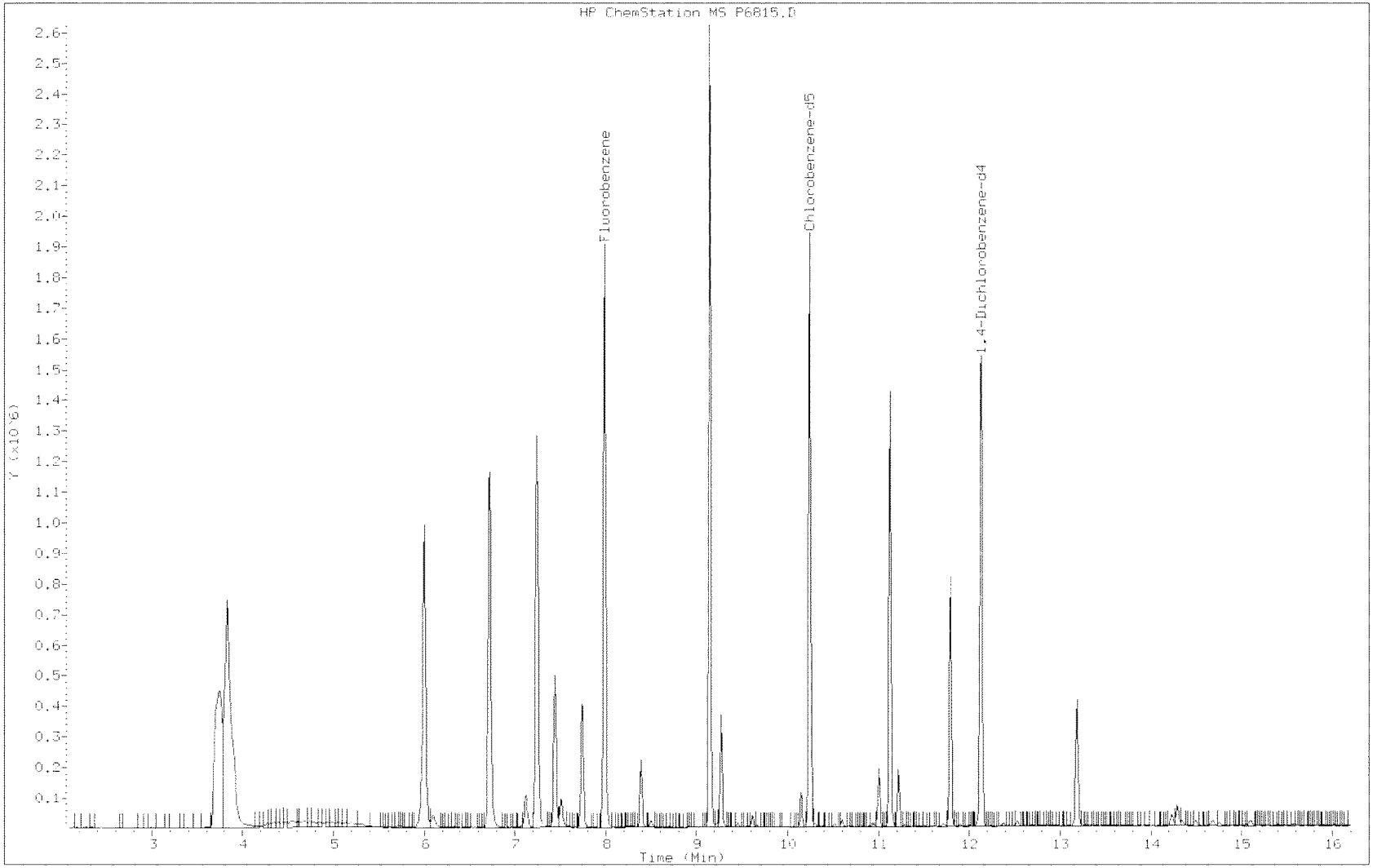
Date: 18-APR-2012 10:18

Client ID:

Instrument: P.i

Sample Info: ICV,,MB

Operator: ILCZYSZD



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-115994/10 Calibration Date: 04/18/2012 10:38

Instrument ID: MSV_P Calib Start Date: 04/18/2012 07:36

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 04/18/2012 09:32

Lab File ID: P6816.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
Acetonitrile	Ave	0.0088	0.0095		53.6	50.0	7.1	55.0
tert-Butyl alcohol	Ave	0.0059	0.0074		313	250	25.2	55.0
Diisopropyl ether	Ave	0.1758	0.1868		53.1	50.0	6.2	35.0
n-Butanol	Lin	0.0025	0.0020		309	300	2.9	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6816.D
Lab Smp Id: ICV
Inj Date : 18-APR-2012 10:38
Operator : ILCZYSZD Inst ID: P.i
Smp Info : ICV,,MC
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 13:17 Cal File: P6763.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMC.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70 Fluorobenzene	96	7.981	7.988	(1.000)	1529789	12.5000		
* 96 Chlorobenzene-d5	119	10.234	10.233	(1.000)	290583	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	389063	12.5000		(Q)
26 Acetonitrile	41	5.958	5.965	(0.746)	57815	53.5576	53.5576	
30 tert-Butyl alcohol	59	6.058	6.058	(0.759)	225917	312.997	312.997	
44 Isopropyl ether	87	6.580	6.587	(0.824)	1143051	53.1160	53.1160	(Q)
69 n-Butanol	56	8.010	8.009	(1.004)	74467	308.607	308.606	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P6816.D

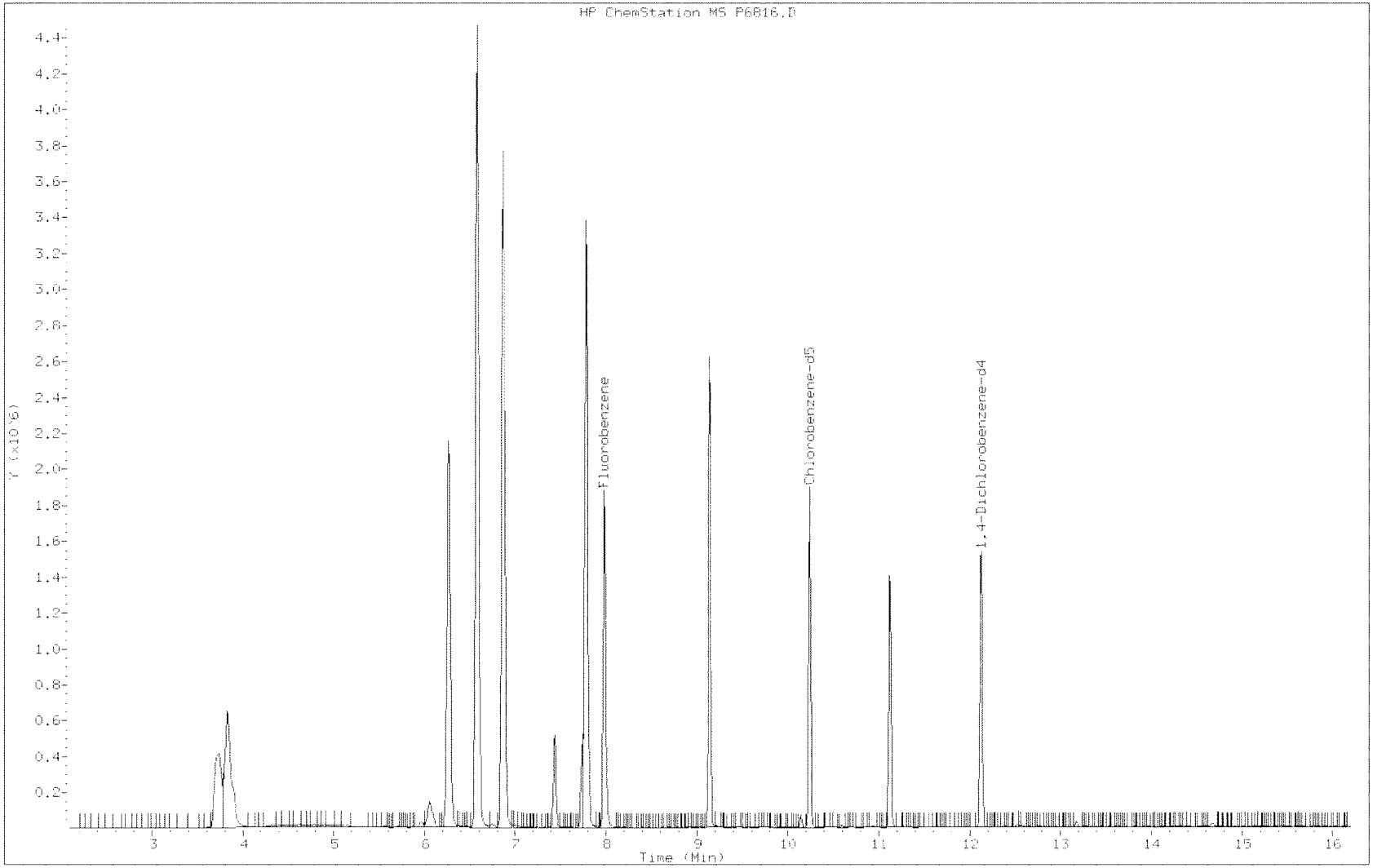
Date: 18-APR-2012 10:38

Client ID:

Instrument: P.i

Sample Info: ICV,,MC

Operator: ILCZYSZD



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-115994/11 | Calibration Date: 04/18/2012 10:57

Instrument ID: MSV_P | Calib Start Date: 04/18/2012 07:36

GC Column: DB-624 (60.25) ID: 0.25(mm) | Calib End Date: 04/18/2012 09:32

Lab File ID: P6817.D | Conc. Units: ug/L | Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.2509	0.2869		18.6	20.0	14.4	35.0
Xylenes, Total	Ave	2.402	2.651		28.3	30.0	10.4	35.0
Dichlorodifluoromethane	Ave	0.3674	0.3500		9.53	10.0	-4.7	55.0
Chloromethane	Ave	0.3321	0.3724	0.1000	11.2	10.0	12.1	35.0
Vinyl chloride	Ave	0.3936	0.4050		10.3	10.0	2.9	35.0
Bromomethane	Ave	0.2628	0.2655		10.1	10.0	1.0	35.0
Chloroethane	Ave	0.2371	0.2365		9.97	10.0	-0.3	35.0
Trichlorofluoromethane	Ave	0.5530	0.5963		10.8	10.0	7.8	50.0
Acrolein	Ave	0.0114	0.0115		101	100	0.5	55.0
Acetone	Lin2	0.0310	0.0303		46.9	40.0	17.2	55.0
1,1-Dichloroethene	Ave	0.3125	0.2688		8.60	10.0	-14.0	35.0
Iodomethane	Ave	0.4101	0.3531		8.61	10.0	-13.9	35.0
Methylene Chloride	Lin2	0.2801	0.2399		9.87	10.0	-1.3	35.0
Acrylonitrile	Ave	0.0273	0.0280		102	100	2.2	55.0
trans-1,2-Dichloroethene	Ave	0.3230	0.2974		9.21	10.0	-7.9	35.0
1,1-Dichloroethane	Ave	0.5996	0.5573	0.1000	9.29	10.0	-7.1	35.0
2-Butanone (MEK)	Ave	0.0341	0.0375		43.9	40.0	9.7	55.0
cis-1,2-Dichloroethene	Ave	0.2945	0.2765		9.39	10.0	-6.1	35.0
2,2-Dichloropropane	Ave	0.5166	0.5049		9.77	10.0	-2.3	35.0
Bromochloromethane	Ave	0.0863	0.0825		9.56	10.0	-4.4	35.0
Chloroform	Ave	0.5059	0.4872		9.63	10.0	-3.7	35.0
1,1,1-Trichloroethane	Ave	0.5268	0.5061		9.61	10.0	-3.9	35.0
1,1-Dichloropropene	Ave	0.5250	0.4906		9.34	10.0	-6.6	35.0
Carbon tetrachloride	Ave	0.4275	0.4250		9.94	10.0	-0.6	35.0
1,2-Dichloroethane	Ave	0.2683	0.2689		10.0	10.0	0.2	35.0
Benzene	Ave	1.192	1.103		9.25	10.0	-7.5	35.0
Trichloroethene	Ave	0.2944	0.2792		9.48	10.0	-5.2	35.0
1,2-Dichloropropane	Ave	0.2561	0.2467		9.63	10.0	-3.7	35.0
Dibromomethane	Ave	0.0858	0.0840		9.80	10.0	-2.0	35.0
Bromodichloromethane	Ave	0.2803	0.2883		10.3	10.0	2.9	35.0
cis-1,3-Dichloropropene	Ave	1.744	1.791		10.3	10.0	2.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3861	0.4404		45.6	40.0	14.1	55.0
Toluene	Ave	1.248	1.178		9.44	10.0	-5.6	35.0
trans-1,3-Dichloropropene	Ave	0.2426	0.2535		10.4	10.0	4.5	35.0
1,1,2-Trichloroethane	Ave	0.1095	0.1128		10.3	10.0	3.0	35.0
2-Hexanone	Ave	0.0494	0.0565		45.7	40.0	14.2	55.0
1,3-Dichloropropane	Ave	1.221	1.231		10.1	10.0	0.8	35.0
Tetrachloroethene	Ave	1.235	1.147		9.29	10.0	-7.1	35.0
Chlorodibromomethane	Ave	0.6846	0.7328		10.7	10.0	7.0	35.0
1,2-Dibromoethane	Ave	0.5490	0.5588		10.2	10.0	1.8	35.0
1-Chlorohexane	Ave	2.463	2.442		9.95	10.0	-0.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-115994/11 | Calibration Date: 04/18/2012 10:57

Instrument ID: MSV_P | Calib Start Date: 04/18/2012 07:36

GC Column: DB-624 (60.25) ID: 0.25(mm) | Calib End Date: 04/18/2012 09:32

Lab File ID: P6817.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
Chlorobenzene	Ave	3.691	3.472	0.3000	9.41	10.0	-5.9	35.0
Ethylbenzene	Ave	2.410	2.251		9.34	10.0	-6.6	35.0
1,1,1,2-Tetrachloroethane	Ave	1.052	1.047		9.94	10.0	-0.6	35.0
m-Xylene & p-Xylene	Ave	2.896	2.724		18.8	20.0	-5.9	35.0
o-Xylene	Ave	2.629	2.505		9.53	10.0	-4.7	35.0
Styrene	Ave	3.691	3.683		9.98	10.0	-0.2	35.0
Bromoform	Ave	0.2877	0.2921	0.1000	10.2	10.0	1.5	35.0
Isopropylbenzene	Ave	5.864	5.390		9.19	10.0	-8.1	35.0
Cyclohexanone	Ave	0.0180	0.0225		311	250	24.5	35.0
1,1,2,2-Tetrachloroethane	Ave	0.4245	0.4363	0.3000	10.3	10.0	2.8	35.0
1,2,3-Trichloropropane	Ave	0.1204	0.1240		10.3	10.0	3.0	35.0
N-Propylbenzene	Ave	1.607	1.474		9.17	10.0	-8.3	35.0
Bromobenzene	Ave	0.9074	0.8411		9.27	10.0	-7.3	35.0
1,3,5-Trimethylbenzene	Ave	4.578	4.317		9.43	10.0	-5.7	35.0
2-Chlorotoluene	Ave	1.200	1.091		9.08	10.0	-9.2	35.0
4-Chlorotoluene	Ave	1.174	1.089		9.27	10.0	-7.3	35.0
tert-Butylbenzene	Ave	4.597	4.300		9.35	10.0	-6.5	35.0
1,2,4-Trimethylbenzene	Ave	4.521	4.236		9.37	10.0	-6.3	35.0
sec-Butylbenzene	Ave	1.233	1.167		9.46	10.0	-5.4	35.0
p-Isopropyltoluene	Ave	5.143	4.870		9.47	10.0	-5.3	35.0
1,3-Dichlorobenzene	Ave	1.943	1.823		9.38	10.0	-6.2	35.0
1,4-Dichlorobenzene	Ave	1.878	1.770		9.43	10.0	-5.7	35.0
n-Butylbenzene	Ave	5.487	5.217		9.51	10.0	-4.9	35.0
1,2-Dichlorobenzene	Ave	1.517	1.429		9.42	10.0	-5.8	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0483	0.0535		10.4	10.0	4.0	55.0
1,2,4-Trichlorobenzene	Ave	0.9508	0.9399		9.89	10.0	-1.1	35.0
Hexachlorobutadiene	Ave	0.8263	0.7952		9.62	10.0	-3.8	35.0
Naphthalene	Ave	1.225	1.282		10.5	10.0	4.7	35.0
1,2,3-Trichlorobenzene	Ave	0.7045	0.7340		10.4	10.0	4.2	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6817.D
Lab Smp Id: ICV
Inj Date : 18-APR-2012 10:57
Operator : ILCZYSZD Inst ID: P.i
Smp Info : ICV,,MA
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\8260B-H2O.m
Meth Date : 18-Apr-2012 11:29 P.i Quant Type: ISTD
Cal Date : 17-APR-2012 13:17 Cal File: P6763.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMA.sub
Target Version: 4.14
Processing Host: DENPC277

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 70	Fluorobenzene	96	7.988	7.988	(1.000)	1603964	12.5000	
* 96	Chlorobenzene-d5	119	10.240	10.233	(1.000)	298891	12.5000	
* 122	1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	411830	12.5000	
M 1	1,2-Dichloroethene (total)	96				736372	18.5949	18.5949
M 2	Xylene (total)	106				1901715	28.3413	28.3413
M 3	Trihalomethane (total)	100				1240202	40.7722	40.7722
M 4	1,3-Dichloropropene (total)	100				753430	20.7129	20.7129
5	dichlorodifluoromethane	85	4.175	4.160	(0.523)	449069	9.52534	9.52534
7	Chloromethane	50	4.399	4.412	(0.551)	477883	11.2129	11.2129
8	Vinyl Chloride	62	4.566	4.565	(0.572)	519626	10.2880	10.2880
10	Bromomethane	94	4.944	4.942	(0.619)	340659	10.1029	10.1029
11	Chloroethane	64	5.013	5.012	(0.628)	303459	9.97344	9.97344
14	Trichlorofluoromethane	101	5.293	5.292	(0.663)	765090	10.7821	10.7821
19	Acrolein	56	5.614	5.607	(0.703)	147525	100.513	100.512
20	Acetone	43	5.714	5.714	(0.715)	155536	46.8604	46.8604
23	1,1-Dichloroethene	96	5.736	5.729	(0.718)	344875	8.60005	8.60005
27	Iodomethane	142	5.929	5.922	(0.742)	453134	8.61006	8.61006
33	Methylene Chloride	84	6.107	6.100	(0.765)	307803	9.87301	9.87301
34	Acrylonitrile	53	6.272	6.272	(0.785)	358584	102.221	102.221
36	trans-1,2-Dichloroethene	96	6.322	6.322	(0.791)	381559	9.20559	9.20559
45	1,1-Dichloroethane	63	6.658	6.651	(0.834)	715112	9.29431	9.29431
53	cis-1,2-Dichloroethene	96	7.094	7.094	(0.888)	354813	9.38933	9.38933

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
51	2-Butanone	43	7.044	7.044	(0.882)	192231	43.8705	43.8705
54	2,2-Dichloropropane	77	7.123	7.123	(0.892)	647923	9.77374	9.77374
56	Bromochloromethane	128	7.301	7.302	(0.914)	105915	9.56098	9.56098
57	Chloroform	83	7.309	7.309	(0.915)	625216	9.63157	9.63157
61	1,1,1-Trichloroethane	97	7.523	7.523	(0.942)	649438	9.60703	9.60703
63	1,1-Dichloropropene	75	7.623	7.623	(0.954)	629467	9.34343	9.34343
64	Carbon Tetrachloride	117	7.659	7.659	(0.959)	545316	9.94203	9.94203
68	Benzene	78	7.816	7.809	(0.979)	1415537	9.25305	9.25305
66	1,2-Dichloroethane	62	7.802	7.795	(0.977)	345006	10.0231	10.0230
72	Trichloroethene	130	8.267	8.267	(1.035)	358229	9.48384	9.48384
75	1,2-Dichloropropane	63	8.453	8.453	(1.058)	316545	9.63271	9.63271
78	Dibromomethane	93	8.560	8.553	(1.072)	107805	9.79739	9.79739
79	Bromodichloromethane	83	8.617	8.617	(1.079)	369935	10.2857	10.2857
82	cis-1,3-Dichloropropene	75	8.932	8.925	(0.872)	428211	10.2665	10.2665
83	4-Methyl-2-pentanone	43	8.982	8.975	(0.877)	421205	45.6203	45.6203
85	Toluene	91	9.196	9.196	(1.151)	1511170	9.43789	9.43789
87	trans-1,3-Dichloropropene	75	9.296	9.297	(1.164)	325219	10.4463	10.4463
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.184)	144729	10.3049	10.3049
90	1,3-Dichloropropane	76	9.597	9.597	(0.937)	294303	10.0837	10.0836
91	Tetrachloroethene	164	9.611	9.611	(0.939)	274309	9.29096	9.29096
89	2-Hexanone	43	9.568	9.568	(1.198)	289846	45.6833	45.6833
92	Dibromochloromethane	129	9.797	9.797	(0.957)	175211	10.7028	10.7028
94	1,2-Dibromoethane	107	9.926	9.926	(0.969)	133612	10.1774	10.1774
95	1-Chlorohexane	91	10.133	10.133	(0.990)	586029	9.95148	9.95148
97	Chlorobenzene	112	10.262	10.262	(1.002)	830226	9.40622	9.40622
98	1,1,1,2-Tetrachloroethane	131	10.297	10.298	(1.006)	250250	9.94472	9.94472
99	Ethylbenzene	106	10.290	10.290	(1.005)	538229	9.33955	9.33955
100	m and p-Xylene	106	10.369	10.362	(1.013)	1302731	18.8143	18.8143
102	o-Xylene	106	10.691	10.691	(1.044)	598984	9.52701	9.52701
101	Styrene	104	10.698	10.691	(1.045)	880693	9.97783	9.97783
103	Bromoform	173	10.919	10.912	(1.066)	69840	10.1522	10.1522
104	isopropyl benzene	105	10.955	10.955	(0.903)	1775664	9.19164	9.19164
106	Cyclohexanone	55	11.112	11.113	(1.085)	134200	311.362	311.362
108	1,1,2,2-Tetrachloroethane	83	11.184	11.177	(0.922)	143754	10.2787	10.2786
112	Bromobenzene	156	11.298	11.299	(0.932)	277106	9.26935	9.26935
110	1,2,3-Trichloropropane	110	11.255	11.256	(0.928)	40858	10.3040	10.3040 (Q)
111	n-Propylbenzene	120	11.284	11.284	(0.930)	485501	9.17245	9.17245
113	1,3,5-Trimethylbenzene	105	11.398	11.392	(0.940)	1422373	9.43069	9.43069
114	2-Chlorotoluene	126	11.420	11.420	(0.942)	359329	9.08497	9.08497
115	4-Chlorotoluene	126	11.499	11.499	(0.948)	358689	9.27488	9.27488
116	tert-Butylbenzene	119	11.706	11.706	(0.965)	1416636	9.35408	9.35408
117	1,2,4-Trimethylbenzene	105	11.742	11.735	(0.968)	1395701	9.37049	9.37049
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	384516	9.46170	9.46170
120	4-Isopropyltoluene	119	11.985	11.985	(0.988)	1604588	9.46890	9.46890
121	1,3-Dichlorobenzene	146	12.078	12.078	(0.996)	600671	9.38489	9.38489
123	1,4-dichlorobenzene	146	12.149	12.149	(1.002)	583123	9.42654	9.42654
125	n-Butylbenzene	91	12.371	12.371	(1.020)	1718798	9.50841	9.50841
127	1,2-Dichlorobenzene	146	12.535	12.528	(1.034)	470663	9.41788	9.41788
128	1,2-Dibromo-3-chloropropane	157	13.343	13.329	(1.100)	17641	10.3960	10.3960 (Q)
130	1,2,4-Trichlorobenzene	180	14.344	14.337	(1.183)	309662	9.88572	9.88572
131	Hexachlorobutadiene	225	14.487	14.488	(1.195)	261991	9.62317	9.62317
132	Naphthalene	128	14.752	14.745	(1.216)	422370	10.4673	10.4673
133	1,2,3-Trichlorobenzene	180	15.095	15.088	(1.245)	241827	10.4187	10.4187

EPAPAV0011681

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P6817.D

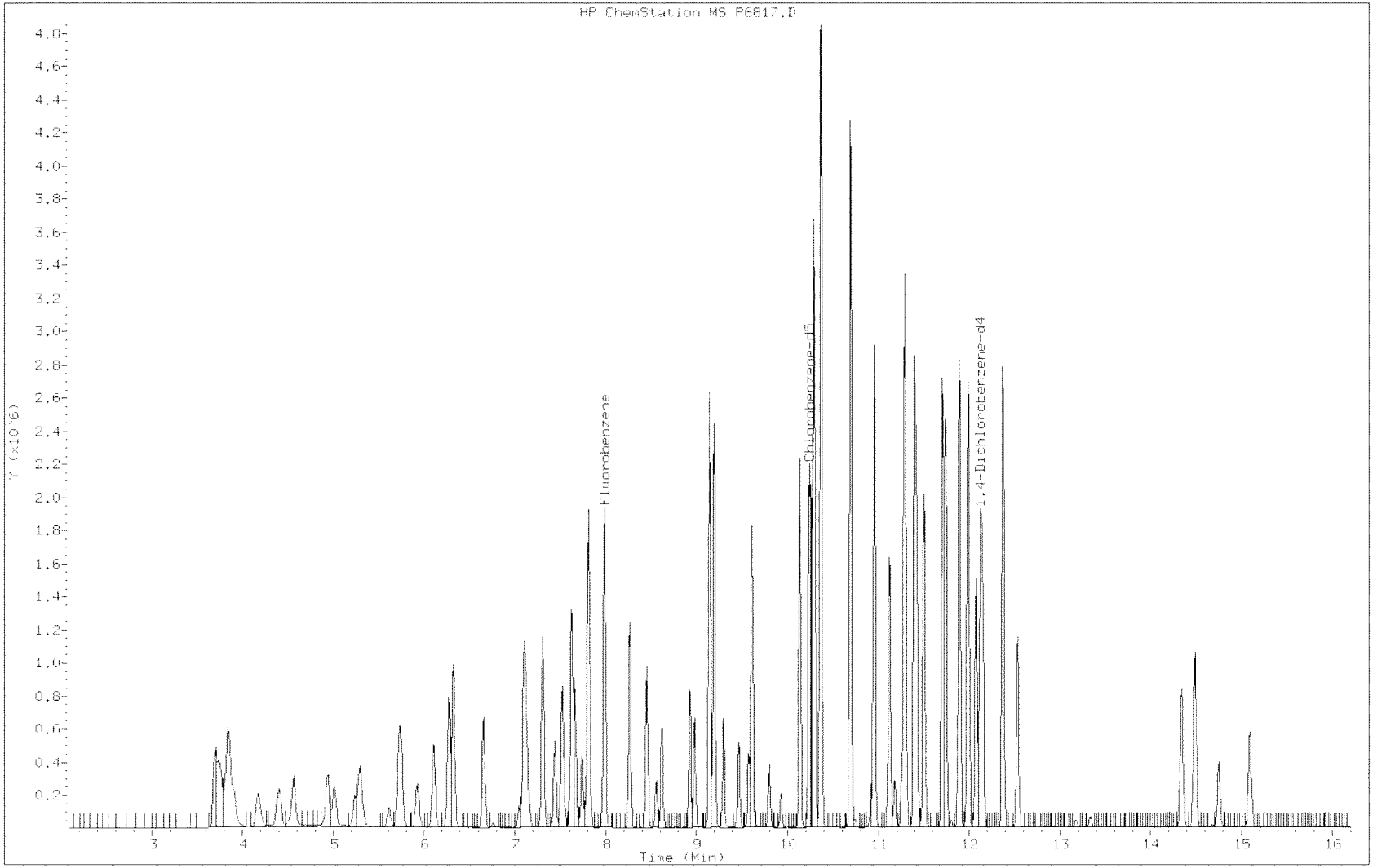
Date: 18-APR-2012 10:57

Client ID:

Instrument: P.i

Sample Info: ICV,,MA

Operator: ILCZYSZD



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-117042/9 | Calibration Date: 04/25/2012 12:16

Instrument ID: MSV_P | Calib Start Date: 04/25/2012 10:19

GC Column: DB-624 (60.25) ID: 0.25(mm) | Calib End Date: 04/25/2012 11:56

Lab File ID: P6957.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
Ethylene oxide	Ave	0.0064	0.0068		1330	1250	6.1	55.0
Dichlorofluoromethane	Ave	0.7425	0.7125		9.60	10.0	-4.0	55.0
1,2-Dichloro-1,1,2-trifluoroethane	Lin1	0.2980	0.2899		10.7	10.0	7.0	55.0
Ethyl ether	Ave	0.1408	0.1506		10.7	10.0	6.9	35.0
2,2-Dichloro-1,1,1-trifluoroethane	Lin	0.4402	0.4014		10.5	10.0	4.7	55.0
Propene oxide	Ave	0.0218	0.0218		501	500	0.1	
1,1,2-Trichlorotrifluoroethane	Ave	0.2068	0.2054		9.93	10.0	-0.7	55.0
Isopropanol	Ave	0.0055	0.0046		170	200	-15.2	55.0
Methyl acetate	Ave	0.0685	0.0592		43.1	50.0	-13.7	55.0
Allyl chloride	Ave	0.5411	0.5125		9.47	10.0	-5.3	35.0
Carbon disulfide	Ave	1.160	1.108		9.55	10.0	-4.5	55.0
Methyl tert-butyl ether	Ave	0.4276	0.3728		8.72	10.0	-12.8	35.0
Hexane	Ave	2.865	2.775		9.68	10.0	-3.2	35.0
Vinyl acetate	Ave	0.2569	0.2219		17.3	20.0	-13.6	55.0
Ethyl tert-butyl ether	Ave	0.6460	0.5850		45.3	50.0	-9.4	35.0
Ethyl acetate	Ave	0.1126	0.0973		17.3	20.0	-13.6	55.0
Tetrahydrofuran	Ave	0.0235	0.0207		17.6	20.0	-12.1	55.0
Cyclohexane	Ave	0.6236	0.5932		9.51	10.0	-4.9	35.0
Tert-amyl methyl ether	Ave	0.4600	0.4001		43.5	50.0	-13.0	35.0
2-Pentanone	Ave	0.0602	0.0635		42.2	40.0	5.5	55.0
Methyl methacrylate	Ave	0.0202	0.0188		18.6	20.0	-6.9	35.0
Methylcyclohexane	Ave	0.5497	0.5190		9.44	10.0	-5.6	35.0
2-Chloroethyl vinyl ether	Ave	0.3303	0.3287		9.95	10.0	-0.5	55.0
2-Nitropropane	Ave	0.1443	0.1220		8.46	10.0	-15.4	55.0
Ethyl methacrylate	Ave	0.7691	0.6639		17.3	20.0	-13.7	35.0
Tetrahydrothiophene	Ave	0.3581	0.3380		9.44	10.0	-5.6	55.0
cis-1,4-Dichloro-2-butene	Ave	0.1208	0.1253		10.4	10.0	3.7	55.0
trans-1,4-Dichloro-2-butene	Ave	0.1374	0.1159		8.43	10.0	-15.7	55.0
1,2,3-Trimethylbenzene	Ave	3.949	3.472		8.79	10.0	-12.1	35.0
Dibromofluoromethane (Surr)	Ave	0.2426	0.2126		11.0	12.5	-12.4	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2717	0.2328		10.7	12.5	-14.3	35.0
Toluene-d8 (Surr)	Ave	5.511	5.031		11.4	12.5	-8.7	35.0
4-Bromofluorobenzene (Surr)	Ave	1.271	1.309		12.9	12.5	2.9	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6957.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 25-APR-2012 12:16
Operator : MEIERG Inst ID: P.i
Smp Info : ICV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\8260B-H2O.m
Meth Date : 25-Apr-2012 12:19 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1243576	12.5000		
* 96 Chlorobenzene-d5	119	10.241	10.240	(1.000)	231399	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.135	(1.000)	305680	12.5000		(Q)
$ 59 Dibromofluoromethane (Surr)	111	7.445	7.438	(0.932)	264339	10.9541	10.9541	
$ 65 1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	289446	10.7076	10.7076	
$ 84 Toluene-d8	98	9.147	9.146	(0.893)	1164160	11.4116	11.4116	
$ 107 4-Bromofluorobenzene (Surr)	95	11.127	11.127	(0.917)	400057	12.8683	12.8683	(R)
9 Ethylene Oxide	43	4.900	4.903	(0.613)	849106	1326.45	1326.45	
12 Dichlorofluoromethane	67	5.180	5.183	(0.648)	708867	9.59655	9.59655	
15 1,2-dichloro-1,1,2-trifluoroe	117	5.431	5.434	(0.680)	288402	10.6975	10.6975	
17 Ethyl Ether	59	5.445	5.434	(0.682)	149793	10.6921	10.6921	
16 2,2-dichloro-1,1,1-trifluoroe	83	5.473	5.476	(0.685)	399321	10.4705	10.4705	
18 Propylene Oxide	58	5.557	5.557	(0.696)	1085198	500.708	500.708	
21 Trichlorotrifluoroethane	151	5.707	5.700	(0.714)	204292	9.93160	9.93160	
22 2-propanol	45	5.743	5.736	(0.719)	91983	169.527	169.527	
28 Methyl Acetate	43	5.950	5.950	(0.745)	294239	43.1454	43.1454	
29 Allyl Chloride	41	6.008	6.000	(0.752)	509821	9.46993	9.46993	
31 Carbon Disulfide	76	6.022	6.015	(0.754)	1102794	9.55190	9.55190	
35 Methyl t-butyl ether	73	6.279	6.272	(0.786)	370876	8.71922	8.71922	
40 Hexane	57	6.480	6.479	(0.633)	513616	9.68407	9.68407	
42 Vinyl acetate	43	6.587	6.587	(0.825)	441492	17.2713	17.2713	
43 sec-Butyl Alcohol	45	7.087	7.087	(0.887)	141952	256.000	256.000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
49	ETBE	59	6.873	6.873	(0.860)	2910085	45.2785	45.2785
50	Ethyl Acetate	43	7.023	7.023	(0.879)	193675	17.2822	17.2822
58	Tetrahydrofuran	42	7.338	7.330	(0.919)	41130	17.5829	17.5829
62	Cyclohexane	56	7.588	7.588	(0.950)	590175	9.51322	9.51322
67	TAME	73	7.788	7.788	(0.975)	1990050	43.4824	43.4824
73	2-Pentanone	43	8.310	8.310	(1.040)	252766	42.1866	42.1866
76	Methyl Cyclohexane	55	8.439	8.439	(1.056)	516294	9.44158	9.44158
74	Methyl Methacrylate	100	8.389	8.388	(1.050)	37388	18.6196	18.6196
80	2-nitropropane	41	8.768	8.767	(0.856)	22592	8.45703	8.45703
81	2-Chloroethyl vinyl ether	63	8.753	8.746	(0.855)	60853	9.95186	9.95186
86	Ethyl methacrylate	69	9.268	9.268	(0.905)	245795	17.2631	17.2631
93	Tetrahydrothiophene	60	9.840	9.840	(0.961)	62573	9.43917	9.43917
105	cis-1,4-dichloro-2-butene	53	10.998	10.998	(0.907)	30630	10.3665	10.3665
109	t-1,4-Dichloro-2-butene	53	11.213	11.220	(0.925)	28344	8.43310	8.43310
124	1,2,3-Trimethylbenzene	105	12.150	12.149	(1.002)	849087	8.79255	8.79255

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: P6957.D

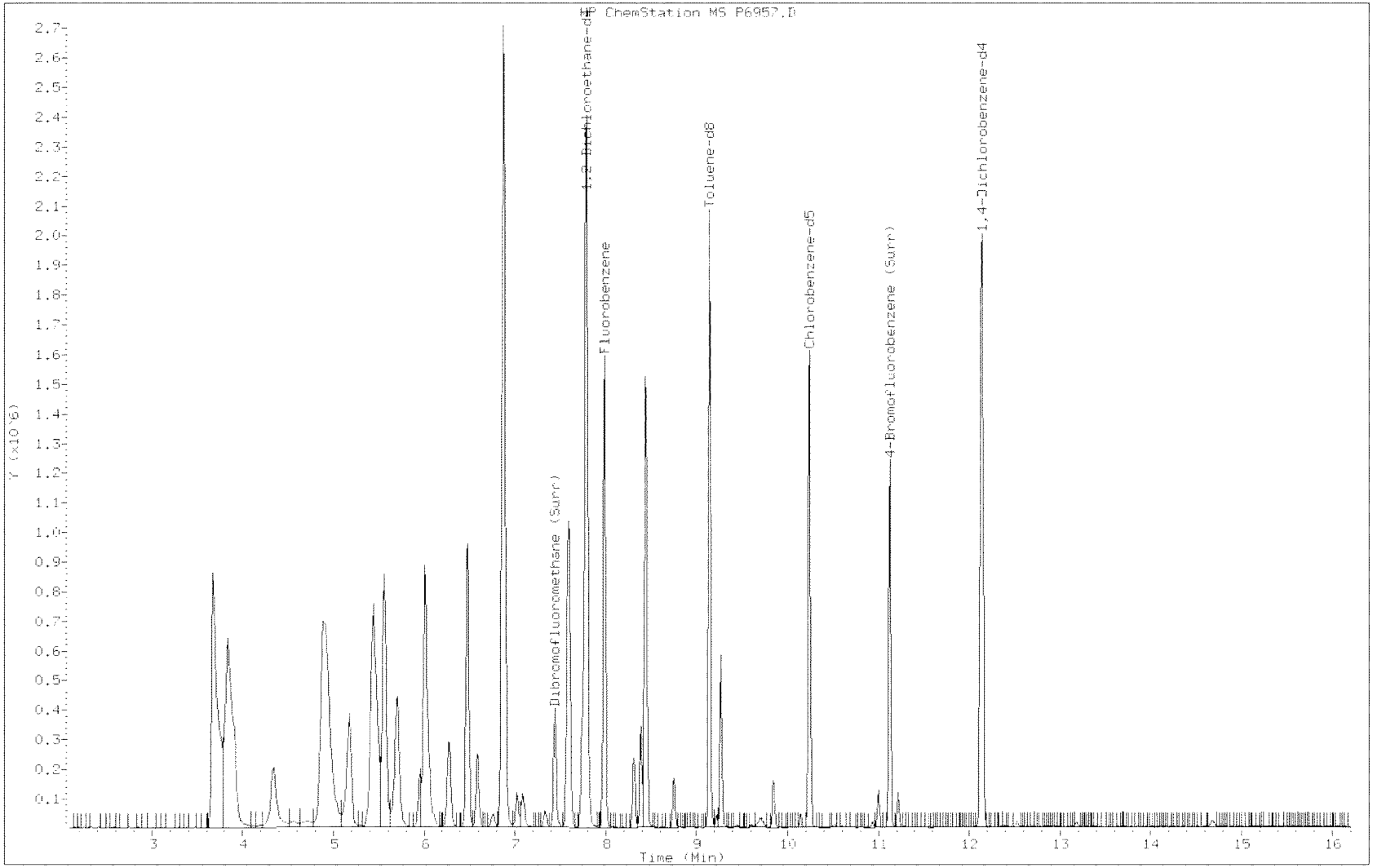
Date: 25-APR-2012 12:16

Client ID: ICV

Instrument: P.i

Sample Info: ICV,,S

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117414/2 | Calibration Date: 04/27/2012 08:24

Instrument ID: MSV_P | Calib Start Date: 04/18/2012 07:36

GC Column: DB-624 (60.25) ID: 0.25(mm) | Calib End Date: 04/18/2012 09:32

Lab File ID: P7059.D | Conc. Units: ug/L | Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.2509	0.2749		17.8	20.0	9.6	35.0
Xylenes, Total	Ave	2.402	2.570		27.5	30.0	7.0	35.0
Dichlorodifluoromethane	Ave	0.3674	0.4001		10.9	10.0	8.9	50.0
Chloromethane	Ave	0.3321	0.3492	0.1000	10.5	10.0	5.1	35.0
Vinyl chloride	Ave	0.3936	0.4226		10.7	10.0	7.4	20.0
Bromomethane	Ave	0.2628	0.2685		10.2	10.0	2.2	35.0
Chloroethane	Ave	0.2371	0.2558		10.8	10.0	7.9	35.0
Trichlorofluoromethane	Ave	0.5530	0.6108		11.0	10.0	10.5	50.0
Ethanol	Ave	0.0009	0.0007		410	500	-17.9	50.0
Acrolein	Ave	0.0114	0.0104		90.1	99.5	-9.4	50.0
Acetone	Lin2	0.0310	0.0242		36.7	40.0	-8.2	50.0
1,1-Dichloroethene	Ave	0.3125	0.2770		8.86	10.0	-11.4	20.0
Iodomethane	Ave	0.4101	0.3658		8.92	10.0	-10.8	35.0
Acetonitrile	Ave	0.0088	0.0077		87.2	100	-12.8	50.0
tert-Butyl alcohol	Ave	0.0059	0.0054		182	200	-8.8	50.0
Methylene Chloride	Lin2	0.2801	0.2265		9.28	10.0	-7.2	35.0
Acrylonitrile	Ave	0.0273	0.0236		86.5	100	-13.5	50.0
trans-1,2-Dichloroethene	Ave	0.3230	0.2876		8.90	10.0	-11.0	35.0
Diisopropyl ether	Ave	0.1758	0.1618		46.0	50.0	-8.0	35.0
1,1-Dichloroethane	Ave	0.5996	0.5678	0.1000	9.47	10.0	-5.3	35.0
Chloroprene	Ave	0.6570	0.6749		10.3	10.0	2.7	35.0
2-Butanone (MEK)	Ave	0.0341	0.0300		35.1	40.0	-12.2	50.0
cis-1,2-Dichloroethene	Ave	0.2945	0.2622		8.90	10.0	-11.0	35.0
2,2-Dichloropropane	Ave	0.5166	0.5350		10.4	10.0	3.5	35.0
Propionitrile	Ave	0.0095	0.0087		91.9	100	-8.1	50.0
Methacrylonitrile	Ave	0.0540	0.0511		94.7	100	-5.3	50.0
Bromochloromethane	Ave	0.0863	0.0806		9.34	10.0	-6.6	35.0
Chloroform	Ave	0.5059	0.5160		10.2	10.0	2.0	20.0
Isobutanol	Ave	0.0021	0.0021		201	200	0.6	50.0
1,1,1-Trichloroethane	Ave	0.5268	0.5418		10.3	10.0	2.8	35.0
1,1-Dichloropropene	Ave	0.5250	0.5131		9.77	10.0	-2.3	35.0
Carbon tetrachloride	Ave	0.4275	0.4730		11.1	10.0	10.7	35.0
1,2-Dichloroethane	Ave	0.2683	0.2894		10.8	10.0	7.9	35.0
Benzene	Ave	1.192	1.099		9.22	10.0	-7.8	35.0
n-Butanol	Lin	0.0025	0.0017		258	300	-13.9	50.0
Trichloroethene	Ave	0.2944	0.2775		9.43	10.0	-5.7	35.0
1,2-Dichloropropane	Ave	0.2561	0.2236		8.73	10.0	-12.7	20.0
1,4-Dioxane	Ave	0.0007	0.0006		435	500	-12.9	50.0
Dibromomethane	Ave	0.0858	0.0811		9.45	10.0	-5.5	35.0
Bromodichloromethane	Ave	0.2803	0.2937		10.5	10.0	4.8	35.0
cis-1,3-Dichloropropene	Ave	1.744	1.563		8.96	10.0	-10.4	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117414/2 | Calibration Date: 04/27/2012 08:24

Instrument ID: MSV_P | Calib Start Date: 04/18/2012 07:36

GC Column: DB-624 (60.25) ID: 0.25(mm) | Calib End Date: 04/18/2012 09:32

Lab File ID: P7059.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
4-Methyl-2-pentanone (MIBK)	Ave	0.3861	0.3363		34.8	40.0	-12.9	50.0
Toluene	Ave	1.248	1.140		9.14	10.0	-8.6	20.0
trans-1,3-Dichloropropene	Ave	0.2426	0.2331		9.61	10.0	-3.9	35.0
1,1,2-Trichloroethane	Ave	0.1095	0.1015		9.27	10.0	-7.3	35.0
2-Hexanone	Ave	0.0494	0.0415		33.5	40.0	-16.1	50.0
1,3-Dichloropropane	Ave	1.221	1.116		9.14	10.0	-8.6	35.0
Tetrachloroethene	Ave	1.235	1.140		9.23	10.0	-7.7	35.0
Chlorodibromomethane	Ave	0.6846	0.6715		9.81	10.0	-1.9	35.0
1,2-Dibromoethane	Ave	0.5490	0.4860		8.85	10.0	-11.5	35.0
1-Chlorohexane	Ave	2.463	2.174		8.81	9.99	-11.7	35.0
Chlorobenzene	Ave	3.691	3.316	0.3000	8.98	10.0	-10.2	35.0
1,1,1,2-Tetrachloroethane	Ave	1.052	1.008		9.58	10.0	-4.2	35.0
Ethylbenzene	Ave	2.410	2.177		9.03	10.0	-9.7	20.0
m-Xylene & p-Xylene	Ave	2.896	2.658		18.4	20.0	-8.2	35.0
o-Xylene	Ave	2.629	2.392		9.10	10.0	-9.0	35.0
Styrene	Ave	3.691	3.431		9.30	10.0	-7.0	35.0
Bromoform	Ave	0.2877	0.2743	0.1000	9.53	10.0	-4.7	35.0
Isopropylbenzene	Ave	5.864	5.191		8.85	10.0	-11.5	35.0
Cyclohexanone	Ave	0.0180	0.0116		257	400	-35.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.4245	0.3782	0.3000	8.91	10.0	-10.9	35.0
1,2,3-Trichloropropane	Ave	0.1204	0.1179		9.79	10.0	-2.1	35.0
N-Propylbenzene	Ave	1.607	1.433		8.92	10.0	-10.8	35.0
Bromobenzene	Ave	0.9074	0.7974		8.79	10.0	-12.1	35.0
1,3,5-Trimethylbenzene	Ave	4.578	4.180		9.13	10.0	-8.7	35.0
2-Chlorotoluene	Ave	1.200	1.071		8.92	10.0	-10.8	35.0
4-Chlorotoluene	Ave	1.174	1.037		8.83	10.0	-11.7	35.0
tert-Butylbenzene	Ave	4.597	4.186		9.11	10.0	-8.9	35.0
1,2,4-Trimethylbenzene	Ave	4.521	4.154		9.19	10.0	-8.1	35.0
sec-Butylbenzene	Ave	1.233	1.143		9.27	10.0	-7.3	35.0
p-Isopropyltoluene	Ave	5.143	4.748		9.23	10.0	-7.7	35.0
1,3-Dichlorobenzene	Ave	1.943	1.752		9.02	10.0	-9.8	35.0
1,4-Dichlorobenzene	Ave	1.878	1.687		8.99	10.0	-10.1	35.0
n-Butylbenzene	Ave	5.487	5.022		9.15	10.0	-8.5	35.0
1,2-Dichlorobenzene	Ave	1.517	1.356		8.94	10.0	-10.6	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0483	0.0450		8.86	10.0	-11.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9508	0.8368		8.80	10.0	-12.0	35.0
Hexachlorobutadiene	Ave	0.8263	0.7570		9.16	10.0	-8.4	35.0
Naphthalene	Ave	1.225	1.025		8.37	10.0	-16.3	35.0
1,2,3-Trichlorobenzene	Ave	0.7045	0.6190		8.79	10.0	-12.1	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7059.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 27-APR-2012 08:24
Operator : MEIERG Inst ID: P.i
Smp Info : CCV,,M
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 28-Apr-2012 05:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 70	Fluorobenzene	96	7.988	7.988	(1.000)	1333279	12.5000		
* 96	Chlorobenzene-d5	119	10.233	10.233	(1.000)	254758	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.121	12.121	(1.000)	355801	12.5000		(Q)
M 1	1,2-Dichloroethene (total)	96				586404	20.0000	17.8062	
M 2	Xylene (total)	106				1571099	30.0000	27.4577	
M 3	Trihalomethane (total)	100				1056463	40.0000	40.0206	
M 4	1,3-Dichloropropene (total)	100				567310	20.0000	18.5720	
5	dichlorodifluoromethane	85	4.174	4.174	(0.523)	426803	10.0000	10.8910	
7	Chloromethane	50	4.412	4.412	(0.552)	372449	10.0000	10.5132	
8	Vinyl Chloride	62	4.565	4.565	(0.572)	450788	10.0000	10.7370	
10	Bromomethane	94	4.943	4.943	(0.619)	286436	10.0000	10.2194	
11	Chloroethane	64	5.012	5.012	(0.628)	272808	10.0000	10.7864	
14	Trichlorofluoromethane	101	5.292	5.292	(0.662)	651535	10.0000	11.0459	
13	Ethanol	45	5.306	5.306	(0.664)	37407	500.000	410.485	
19	Acrolein	56	5.607	5.607	(0.702)	109953	100.000	90.1229	
20	Acetone	43	5.714	5.714	(0.715)	103427	40.0000	36.7203	
23	1,1-Dichloroethene	96	5.743	5.743	(0.719)	295461	10.0000	8.86366	
27	Iodomethane	142	5.929	5.929	(0.742)	390140	10.0000	8.91813	
26	Acetonitrile	41	5.972	5.972	(0.748)	82009	100.000	87.1671	
30	tert-Butyl alcohol	59	6.057	6.057	(0.758)	114794	200.000	182.483	
33	Methylene Chloride	84	6.100	6.100	(0.764)	241542	10.0000	9.27591	
34	Acrylonitrile	53	6.272	6.272	(0.785)	252197	100.000	86.4894	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
36	trans-1,2-Dichloroethene	96	6.322	6.322	(0.791)	306711	10.0000	8.90211
44	Isopropyl ether	87	6.586	6.586	(0.825)	862641	50.0000	45.9939
45	1,1-Dichloroethane	63	6.658	6.658	(0.834)	605667	10.0000	9.47001
47	Chloroprene	53	6.722	6.722	(0.842)	719834	10.0000	10.2718
51	2-Butanone	43	7.044	7.044	(0.882)	127853	40.0000	35.1021
53	cis-1,2-Dichloroethene	96	7.094	7.094	(0.888)	279693	10.0000	8.90411
52	Propionitrile	54	7.123	7.123	(0.892)	93047	100.000	91.8525
54	2,2-Dichloropropane	77	7.123	7.123	(0.892)	570590	10.0000	10.3546
55	Methacrylonitrile	41	7.237	7.237	(0.906)	545038	100.000	94.7107
56	Bromochloromethane	128	7.301	7.301	(0.914)	85982	10.0000	9.33740
57	Chloroform	83	7.309	7.309	(0.915)	550407	10.0000	10.2006
61	1,1,1-Trichloroethane	97	7.523	7.523	(0.942)	577881	10.0000	10.2840
60	Isobutanol	41	7.509	7.509	(0.940)	45270	200.000	201.258
63	1,1-Dichloropropene	75	7.623	7.623	(0.954)	547240	10.0000	9.77203
64	Carbon Tetrachloride	117	7.659	7.659	(0.959)	504531	10.0000	11.0659
66	1,2-Dichloroethane	62	7.795	7.795	(0.976)	308681	10.0000	10.7884
68	Benzene	78	7.809	7.809	(0.978)	1172174	10.0000	9.21784
69	n-Butanol	56	8.016	8.016	(1.004)	54989	300.000	258.369
72	Trichloroethene	130	8.267	8.267	(1.035)	295993	10.0000	9.42710
75	1,2-Dichloropropane	63	8.453	8.453	(1.058)	238459	10.0000	8.72972
77	1,4-Dioxane	88	8.503	8.503	(1.064)	31530	500.000	435.384
78	Dibromomethane	93	8.553	8.553	(1.071)	86454	10.0000	9.45214
79	Bromodichloromethane	83	8.617	8.617	(1.079)	313313	10.0000	10.4800
82	cis-1,3-Dichloropropene	75	8.925	8.925	(0.872)	318649	10.0000	8.96320
83	4-Methyl-2-pentanone	43	8.975	8.975	(0.877)	274148	40.0000	34.8365
85	Toluene	91	9.196	9.196	(1.151)	1216398	10.0000	9.13925
87	trans-1,3-Dichloropropene	75	9.296	9.296	(1.164)	248661	10.0000	9.60881
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.184)	108265	10.0000	9.27361
89	2-Hexanone	43	9.568	9.568	(1.198)	176902	40.0000	33.5426
90	1,3-Dichloropropane	76	9.597	9.597	(0.938)	227481	10.0000	9.14436
91	Tetrachloroethene	164	9.611	9.611	(0.939)	232299	10.0000	9.23108
92	Dibromochloromethane	129	9.797	9.797	(0.957)	136849	10.0000	9.80757
94	1,2-Dibromoethane	107	9.926	9.926	(0.970)	99059	10.0000	8.85258
95	1-Chlorohexane	91	10.133	10.133	(0.990)	442411	10.0000	8.81413
97	Chlorobenzene	112	10.262	10.262	(1.003)	675908	10.0000	8.98445
98	1,1,1,2-Tetrachloroethane	131	10.290	10.290	(1.006)	205396	10.0000	9.57625
99	Ethylbenzene	106	10.290	10.290	(1.006)	443687	10.0000	9.03276
100	m and p-Xylene	106	10.362	10.362	(1.013)	1083566	20.0000	18.3600
102	o-Xylene	106	10.691	10.691	(1.045)	487533	10.0000	9.09767
101	Styrene	104	10.691	10.691	(1.045)	699327	10.0000	9.29559
103	Bromoform	173	10.912	10.912	(1.066)	55894	10.0000	9.53250
104	isopropyl benzene	105	10.955	10.955	(0.904)	1477625	10.0000	8.85334
106	Cyclohexanone	55	11.112	11.112	(1.086)	94253	400.000	256.563
108	1,1,2,2-Tetrachloroethane	83	11.177	11.177	(0.922)	107655	10.0000	8.90967
110	1,2,3-Trichloropropane	110	11.255	11.255	(0.929)	33549	10.0000	9.79304 (Q)
112	Bromobenzene	156	11.298	11.298	(0.932)	226971	10.0000	8.78789
111	n-Propylbenzene	120	11.284	11.284	(0.931)	407981	10.0000	8.92167
114	2-Chlorotoluene	126	11.420	11.420	(0.942)	304802	10.0000	8.91989
113	1,3,5-Trimethylbenzene	105	11.391	11.391	(0.940)	1189916	10.0000	9.13181
115	4-Chlorotoluene	126	11.499	11.499	(0.949)	295041	10.0000	8.83046
116	tert-Butylbenzene	119	11.706	11.706	(0.966)	1191373	10.0000	9.10545
117	1,2,4-Trimethylbenzene	105	11.735	11.735	(0.968)	1182482	10.0000	9.18915
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	325417	10.0000	9.26843
120	4-Isopropyltoluene	119	11.985	11.985	(0.989)	1351427	10.0000	9.23080

EPAPAV0011691

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
121 1,3-Dichlorobenzene	146	12.078	12.078	(0.996)	498597	10.0000	9.01681
123 1,4-dichlorobenzene	146	12.149	12.149	(1.002)	480213	10.0000	8.98538
125 n-Butylbenzene	91	12.371	12.371	(1.021)	1429540	10.0000	9.15356
127 1,2-Dichlorobenzene	146	12.528	12.528	(1.034)	386014	10.0000	8.94040
128 1,2-Dibromo-3-chloropropane	157	13.329	13.329	(1.100)	12812	10.0000	8.86444(Q)
130 1,2,4-Trichlorobenzene	180	14.337	14.337	(1.183)	238184	10.0000	8.80124
131 Hexachlorobutadiene	225	14.487	14.487	(1.195)	215464	10.0000	9.16046
132 Naphthalene	128	14.745	14.745	(1.216)	291721	10.0000	8.36799
133 1,2,3-Trichlorobenzene	180	15.088	15.088	(1.245)	176202	10.0000	8.78677

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P7059.D

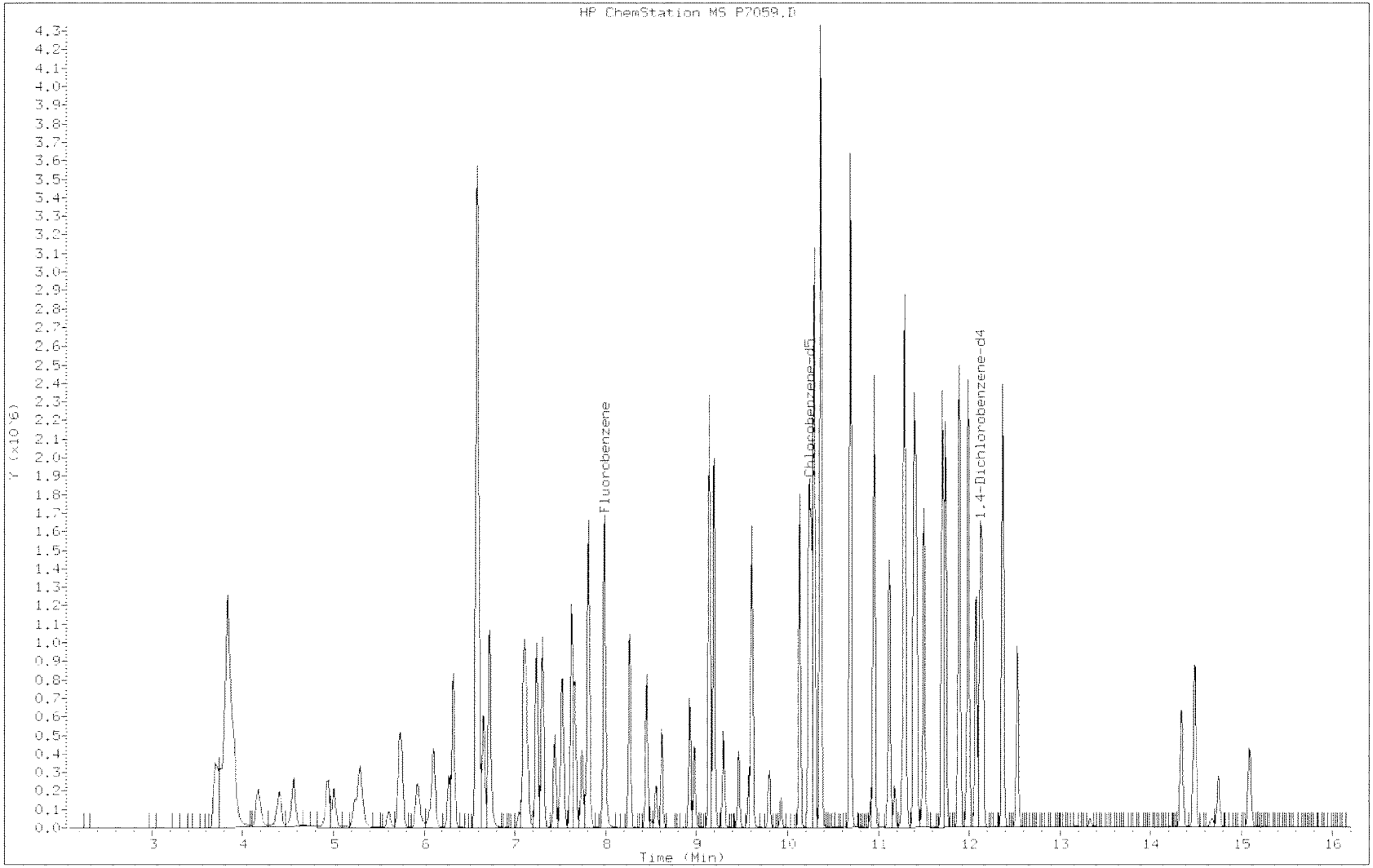
Date: 27-APR-2012 08:24

Client ID: CCV

Instrument: P.i

Sample Info: CCV,,M

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117414/3 | Calibration Date: 04/27/2012 08:43

Instrument ID: MSV_P | Calib Start Date: 04/25/2012 10:19

GC Column: DB-624 (60.25) ID: 0.25(mm) | Calib End Date: 04/25/2012 11:56

Lab File ID: P7060.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
Ethylene oxide	Ave	0.0064	0.0052		1010	1250	-19.0	50.0
Dichlorofluoromethane	Ave	0.7425	0.6286		8.47	10.0	-15.3	50.0
1,2-Dichloro-1,1,2-trifluoroethane	Lin1	0.2980	0.3147		11.7	10.0	17.4	50.0
Ethyl ether	Ave	0.1408	0.1146		8.14	10.0	-18.6	35.0
2,2-Dichloro-1,1,1-trifluoroethane	Lin	0.4402	0.3940		10.2	10.0	2.4	50.0
Propene oxide	Ave	0.0218	0.0175		402	500	-19.6	
1,1,2-Trichlorotrifluoroethane	Ave	0.2068	0.1898		9.18	10.0	-8.2	50.0
Isopropanol	Ave	0.0055	0.0037		136	200	-32.1	50.0
Methyl acetate	Ave	0.0685	0.0509		37.1	50.0	-25.8	50.0
Allyl chloride	Ave	0.5411	0.4372		8.08	10.0	-19.2	35.0
Carbon disulfide	Ave	1.160	0.996		8.58	10.0	-14.2	50.0
Methyl tert-butyl ether	Ave	0.4276	0.3286		7.69	10.0	-23.1	35.0
Hexane	Ave	2.865	2.406		8.40	10.0	-16.0	35.0
Vinyl acetate	Ave	0.2569	0.1944		15.1	20.0	-24.3	50.0
Ethyl tert-butyl ether	Ave	0.6460	0.5202		40.3	50.0	-19.5	35.0
Ethyl acetate	Ave	0.1126	0.0869		15.4	20.0	-22.8	50.0
Tetrahydrofuran	Ave	0.0235	0.0167		14.2	20.0	-29.1	50.0
Cyclohexane	Ave	0.6236	0.5201		8.34	10.0	-16.6	35.0
Tert-amyl methyl ether	Ave	0.4600	0.3721		40.4	50.0	-19.1	35.0
2-Pentanone	Ave	0.0602	0.0446		29.6	40.0	-26.0	50.0
Methyl methacrylate	Ave	0.0202	0.0168		16.6	20.0	-16.8	35.0
Methyl cyclohexane	Ave	0.5497	0.4752		8.65	10.0	-13.5	35.0
2-Chloroethyl vinyl ether	Ave	0.3303	0.2443		7.40	10.0	-26.0	50.0
2-Nitropropane	Ave	0.1443	0.1014		7.02	10.0	-29.8	50.0
Ethyl methacrylate	Ave	0.7691	0.6063		15.8	20.0	-21.2	35.0
Tetrahydrothiophene	Ave	0.3581	0.2497		6.97	10.0	-30.3	50.0
cis-1,4-Dichloro-2-butene	Ave	0.1208	0.0786		6.51	10.0	-34.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1374	0.0971		7.07	10.0	-29.3	50.0
1,2,3-Trimethylbenzene	Ave	3.949	3.479		8.81	10.0	-11.9	35.0
Dibromofluoromethane (Surr)	Ave	0.2426	0.2323		12.0	12.5	-4.3	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2717	0.2484		11.4	12.5	-8.6	35.0
Toluene-d8 (Surr)	Ave	5.511	5.339		12.1	12.5	-3.1	35.0
4-Bromofluorobenzene (Surr)	Ave	1.271	1.193		11.7	12.5	-6.2	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7060.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 27-APR-2012 08:43
Operator : MEIERG Inst ID: P.i
Smp Info : CCV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 28-Apr-2012 05:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 70 Fluorobenzene	96	7.982	7.982	(1.000)	1333359	12.5000		
* 96 Chlorobenzene-d5	119	10.234	10.234	(1.000)	251297	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.122	12.122	(1.000)	326600	12.5000		(Q)
$ 59 Dibromofluoromethane (Surr)	111	7.438	7.438	(0.932)	309666	10.0000	11.9683	
$ 65 1,2-Dichloroethane-d4	65	7.739	7.739	(0.970)	331231	10.0000	11.4282	
$ 84 Toluene-d8	98	9.140	9.140	(0.893)	1341721	10.0000	12.1107	
$ 107 4-Bromofluorobenzene (Surr)	95	11.121	11.121	(0.917)	389498	10.0000	11.7262	
9 Ethylene Oxide	43	4.874	4.874	(0.611)	694977	1250.00	1012.57	
12 Dichlorofluoromethane	67	5.168	5.168	(0.647)	670512	10.0000	8.46608	
15 1,2-dichloro-1,1,2-trifluoroe	117	5.433	5.433	(0.681)	335680	10.0000	11.7397	
17 Ethyl Ether	59	5.433	5.433	(0.681)	122258	10.0000	8.13909	
16 2,2-dichloro-1,1,1-trifluoroe	83	5.461	5.461	(0.684)	420319	10.0000	10.2385	
18 Propylene Oxide	58	5.551	5.551	(0.695)	933762	500.000	401.825	
21 Trichlorotrifluoroethane	151	5.694	5.694	(0.713)	202404	10.0000	9.17724	
22 2-propanol	45	5.729	5.729	(0.718)	79056	200.000	135.891	
28 Methyl Acetate	43	5.944	5.944	(0.745)	271436	50.0000	37.1216	
29 Allyl Chloride	41	6.001	6.001	(0.752)	466365	10.0000	8.07942	
31 Carbon Disulfide	76	6.015	6.015	(0.754)	1062040	10.0000	8.57949	
35 Methyl t-butyl ether	73	6.266	6.266	(0.785)	350539	10.0000	7.68618	
40 Hexane	57	6.473	6.473	(0.633)	483722	10.0000	8.39826	
42 Vinyl acetate	43	6.587	6.587	(0.825)	414706	20.0000	15.1310	
43 sec-Butyl Alcohol	45	7.081	7.081	(0.887)	123701	300.000	208.064	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
49	ETBE	59	6.873	6.873	(0.861)	2774542	50.0000	40.2627
50	Ethyl Acetate	43	7.016	7.016	(0.879)	185422	20.0000	15.4316
58	Tetrahydrofuran	42	7.324	7.324	(0.918)	35552	20.0000	14.1750
62	Cyclohexane	56	7.588	7.588	(0.951)	554810	10.0000	8.34097
67	TAME	73	7.781	7.781	(0.975)	1984676	50.0000	40.4450
73	2-Pentanone	43	8.311	8.311	(1.041)	190263	40.0000	29.6166
76	Methyl Cyclohexane	55	8.439	8.439	(1.057)	506913	10.0000	8.64582
74	Methyl Methacrylate	100	8.389	8.389	(1.051)	35829	20.0000	16.6417
80	2-nitropropane	41	8.768	8.768	(0.857)	20376	10.0000	7.02354
81	2-Chloroethyl vinyl ether	63	8.747	8.747	(0.855)	49107	10.0000	7.39503
86	Ethyl methacrylate	69	9.269	9.269	(0.906)	243760	20.0000	15.7646
93	Tetrahydrothiophene	60	9.841	9.841	(0.962)	50200	10.0000	6.97308
105	cis-1,4-dichloro-2-butene	53	10.999	10.999	(0.907)	20544	10.0000	6.50760
109	t-1,4-Dichloro-2-butene	53	11.214	11.214	(0.925)	25371	10.0000	7.06504
124	1,2,3-Trimethylbenzene	105	12.143	12.143	(1.002)	909117	10.0000	8.81116

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P7060.D

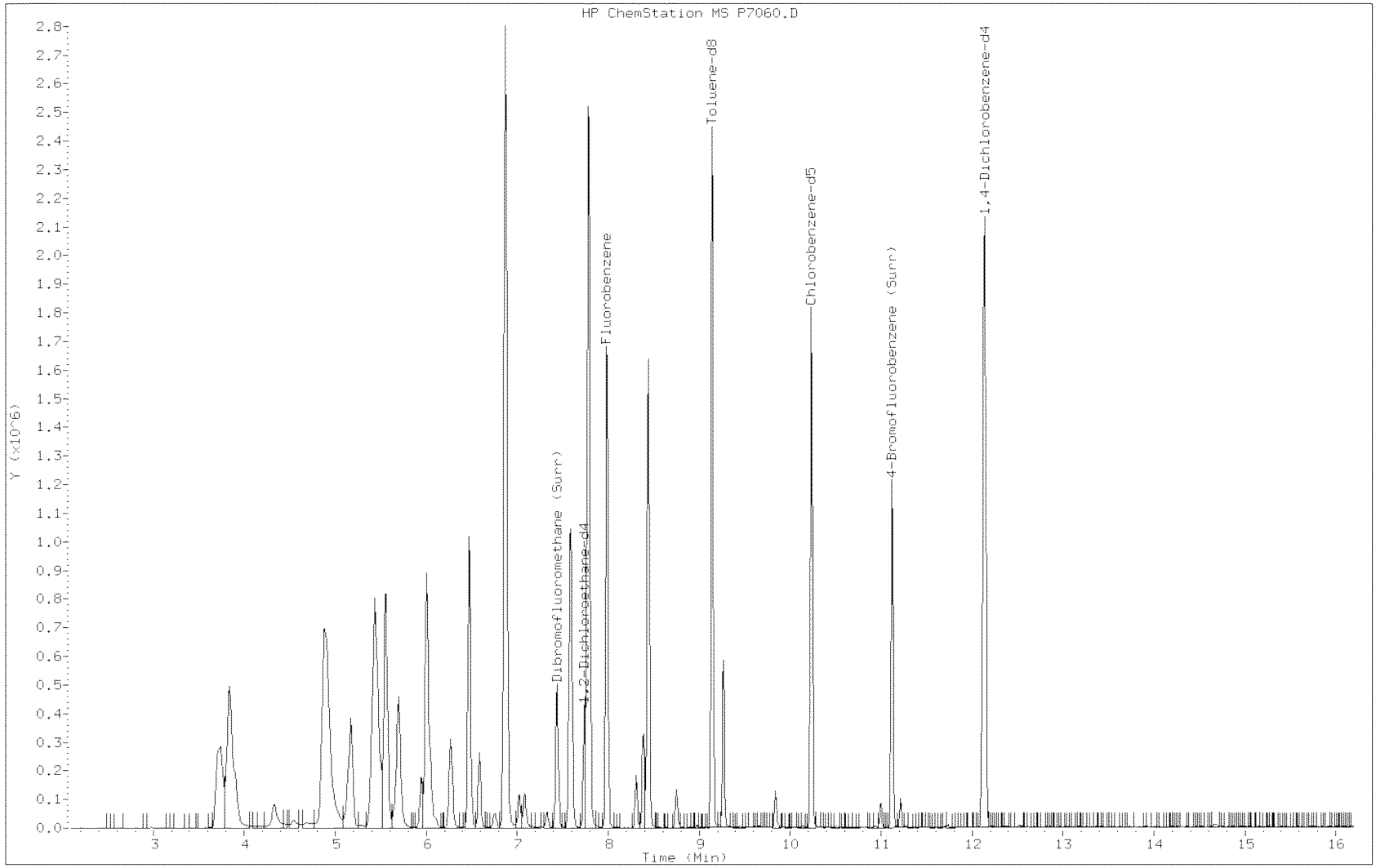
Date: 27-APR-2012 08:43

Client ID: CCV

Instrument: P.i

Sample Info: CCV,,S

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117414/4 Calibration Date: 04/27/2012 09:02

Instrument ID: MSV_P Calib Start Date: 04/17/2012 09:07

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 04/17/2012 10:59

Lab File ID: P7061.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	0.3548	0.3648		10.3	10.0	2.8	50.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7061.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 27-APR-2012 09:02
Operator : MEIERG Inst ID: P.i
Smp Info : CCV,,F114
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 28-Apr-2012 05:27 P.i Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-F114.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1209376	12.5000		
* 96 Chlorobenzene-d5	119	10.233	10.233	(1.000)	231249	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.121	12.121	(1.000)	301615	12.5000		(Q)
6 1,2-Dichlorotetrafluoroethane	85	4.328	4.328	(0.542)	352952	10.0000	10.2820	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P7061.D

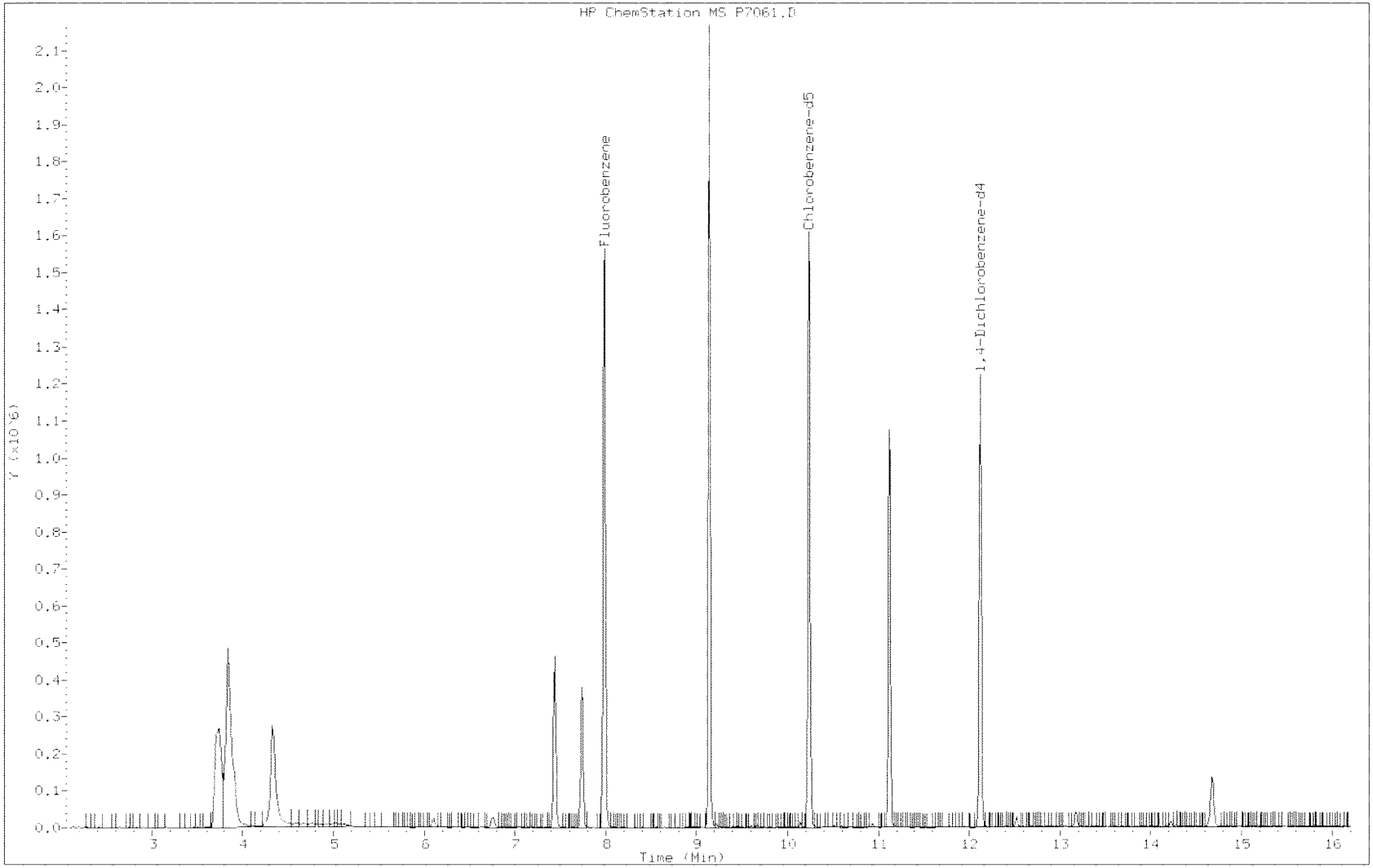
Date: 27-APR-2012 09:02

Client ID: CCV

Instrument: P.i

Sample Info: CCV,,F114

Operator: MEIERG



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6750.D
Lab Smp Id: BFB
Inj Date : 17-APR-2012 08:45
Operator : ILCZYSZD Inst ID: P.i
Smp Info : BFB,,1196802
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041712.B\bfb390.m
Meth Date : 17-Apr-2012 08:56 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.379	5.600	(0.000)	95	21048			0.00- 100.00	100.00
5.379	5.600	(0.000)	50	4356			15.00- 40.00	20.70
5.379	5.600	(0.000)	75	11286			30.00- 60.00	53.62
5.379	5.600	(0.000)	96	1568			5.00- 9.00	7.45
5.379	5.600	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.379	5.600	(0.000)	174	14628			50.00- 0.00	69.50
5.379	5.600	(0.000)	175	1020			5.00- 9.00	6.97
5.379	5.600	(0.000)	176	14522			95.00- 101.00	99.28
5.379	5.600	(0.000)	177	917			5.00- 9.00	6.31

Data File: P6750.D

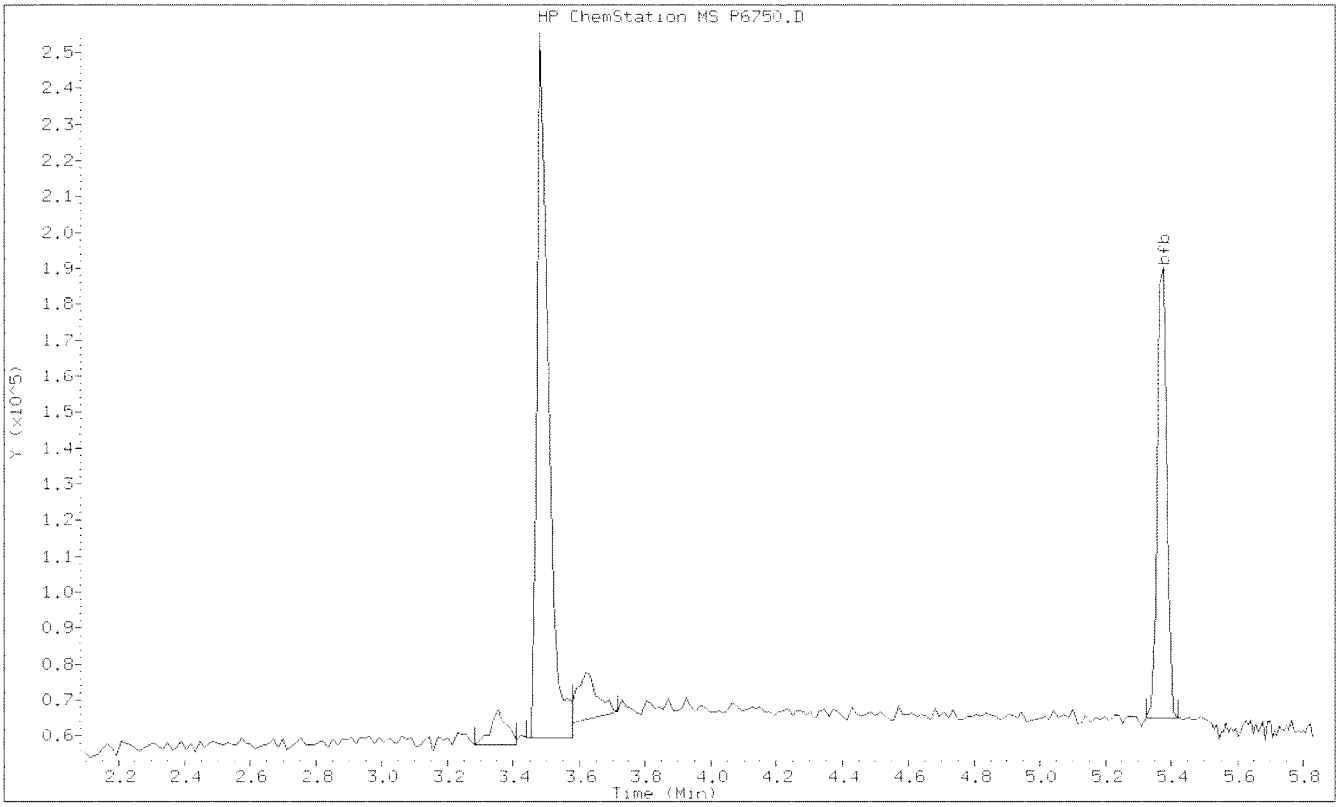
Date: 17-APR-2012 08:45

Client ID:

Instrument: P.i

Sample Info: BFB,,1196802

Operator: ILCZYSZD



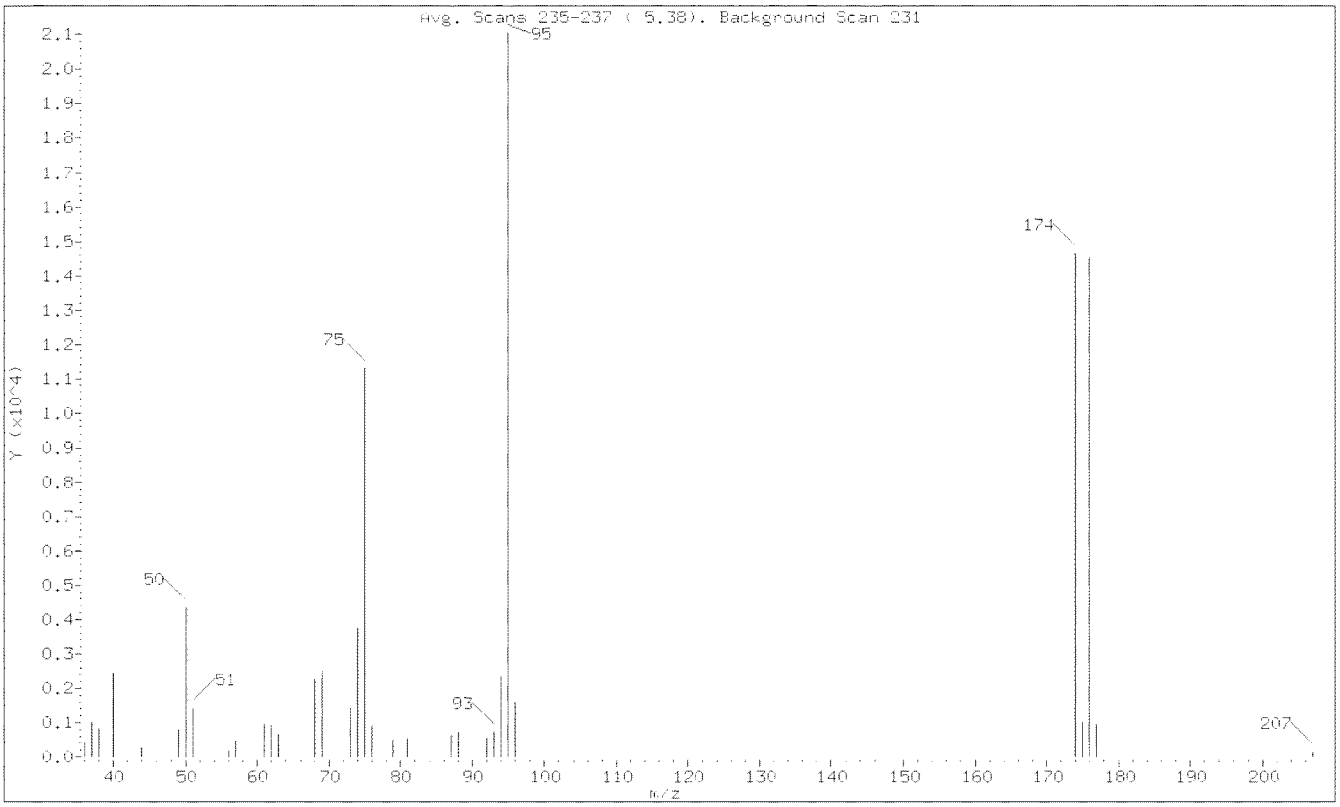
Data File: P6750.D

Date: 17-APR-2012 08:45

Client ID: Instrument: P.i

Sample Info: BFB,,1196802 Operator: ILCZYSZD

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.70
75	30.00 - 60.00% of mass 95	53.62
96	5.00 - 9.00% of mass 95	7.45
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	69.50
175	5.00 - 9.00% of mass 174	4.85 (6.97)
176	95.00 - 101.00% of mass 174	68.99 (99.28)
177	5.00 - 9.00% of mass 176	4.36 (6.31)

Data File: P6750.D

Date: 17-APR-2012 08:45

Client ID:

Instrument: P.i

Sample Info: BFB,,1196802

Operator: ILCZYSZD

Data File: \\DenSvr03\Public\chem\MSV\P.i\041712.B\P6750.D
Spectrum: Avg. Scans 235-237 (5.38), Background Scan 231
Location of Maximum: 95.00
Number of points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	397	57.00	489	76.00	888	96.00	1568
37.00	1012	61.00	962	79.00	476	174.00	14628
38.00	821	62.00	934	81.00	533	175.00	1020
40.00	2445	63.00	652	87.00	635	176.00	14522
44.00	263	68.00	2273	88.00	711	177.00	917
49.00	800	69.00	2484	92.00	568	207.00	150
50.00	4356	73.00	1456	93.00	721		
51.00	1429	74.00	3738	94.00	2339		
56.00	179	75.00	11286	95.00	21048		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6807.D
Lab Smp Id: BFB
Inj Date : 18-APR-2012 07:13
Operator : ILCZYSZD Inst ID: P.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\041812.B\bfb390.m
Meth Date : 18-Apr-2012 05:53 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
1 bfb						CAS #: 460-00-4		
5.390	5.600	(0.000)	95	73912			0.00- 100.00	100.00
5.390	5.600	(0.000)	50	16288			15.00- 40.00	22.04
5.390	5.600	(0.000)	75	39672			30.00- 60.00	53.67
5.390	5.600	(0.000)	96	5750			5.00- 9.00	7.78
5.390	5.600	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.390	5.600	(0.000)	174	49712			50.00- 0.00	67.26
5.390	5.600	(0.000)	175	4231			5.00- 9.00	8.51
5.390	5.600	(0.000)	176	48408			95.00- 101.00	97.38
5.390	5.600	(0.000)	177	3260			5.00- 9.00	6.73

Data File: P6807.D

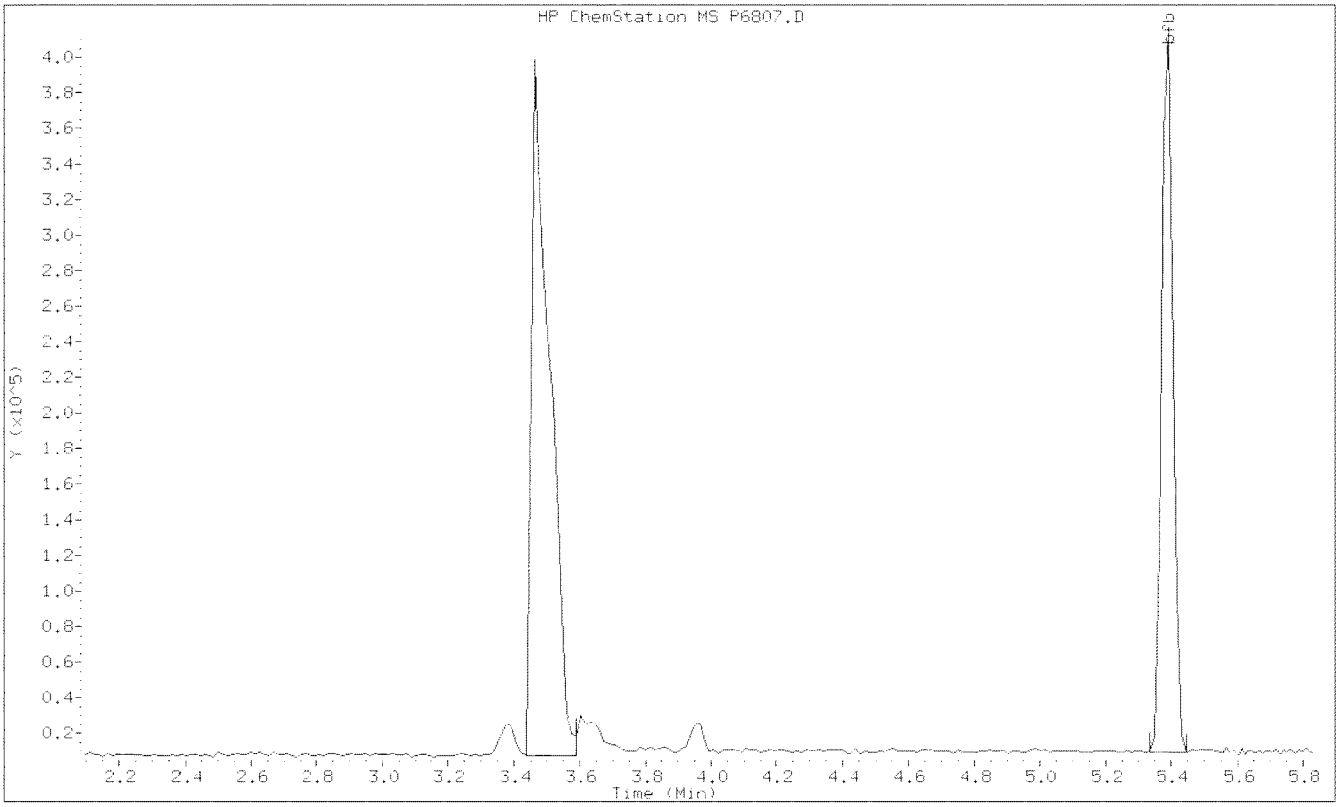
Date: 18-APR-2012 07:13

Client ID:

Instrument: P.i

Sample Info: BFB,,

Operator: ILCZYSZD



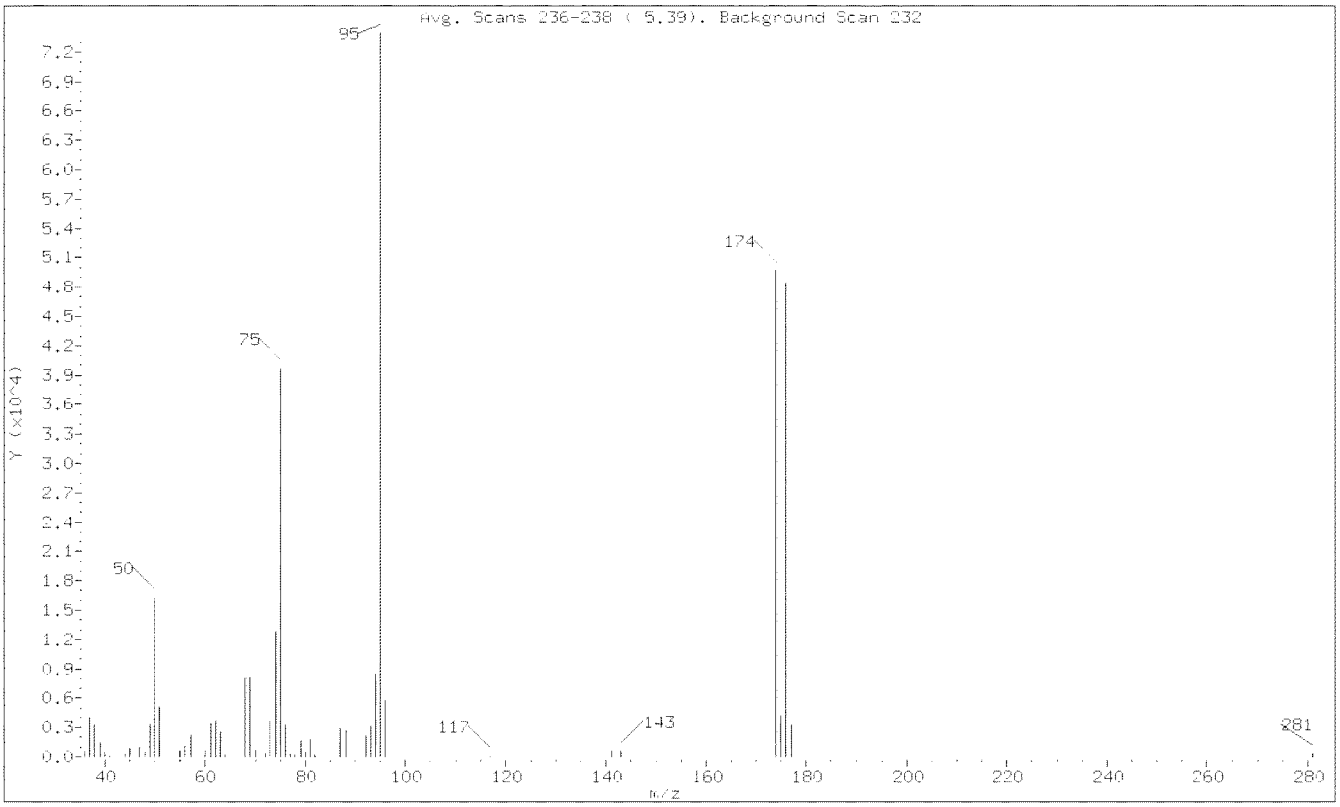
Data File: P6807.D

Date: 18-APR-2012 07:13

Client ID: Instrument: P.i

Sample Info: BFB,, Operator: ILCZYSZD

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.04
75	30.00 - 60.00% of mass 95	53.67
96	5.00 - 9.00% of mass 95	7.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.26
175	5.00 - 9.00% of mass 174	5.72 (8.51)
176	95.00 - 101.00% of mass 174	65.49 (97.38)
177	5.00 - 9.00% of mass 176	4.41 (6.73)

Data File: P6807.D

Date: 18-APR-2012 07:13

Client ID:

Instrument: P.i

Sample Info: BFB,,

Operator: ILCZYSZD

Data File: \\DenSvr03\Public\chem\MSV\P.i\041812.B\P6807.D
Spectrum: Avg. Scans 236-238 (5.39), Background Scan 232
Location of Maximum: 95.00
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	557	55.00	550	74.00	12813	94.00	8485
37.00	4017	56.00	1106	75.00	39672	95.00	73912
38.00	3274	57.00	2190	76.00	3267	96.00	5750
39.00	1508	60.00	582	77.00	228	117.00	180
40.00	526	61.00	3379	78.00	203	141.00	631
41.00	169	62.00	3603	79.00	1671	143.00	665
44.00	356	63.00	2527	80.00	488	174.00	49712
45.00	839	64.00	188	81.00	1862	175.00	4231
47.00	941	68.00	8109	82.00	189	176.00	48408
48.00	461	69.00	8158	87.00	2902	177.00	3260
49.00	3444	70.00	741	88.00	2717	281.00	414
50.00	16288	72.00	376	92.00	2207		
51.00	5075	73.00	3652	93.00	3107		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6949.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 25-APR-2012 09:50
Operator : MEIERG Inst ID: P.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042512I.B\bfb390.m
Meth Date : 18-Apr-2012 05:53 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.347	5.600	(0.000)	95	55856			0.00- 100.00	100.00
5.347	5.600	(0.000)	50	14002			15.00- 40.00	25.07
5.347	5.600	(0.000)	75	31672			30.00- 60.00	56.70
5.347	5.600	(0.000)	96	4021			5.00- 9.00	7.20
5.347	5.600	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.347	5.600	(0.000)	174	33560			50.00- 0.00	60.08
5.347	5.600	(0.000)	175	2655			5.00- 9.00	7.91
5.347	5.600	(0.000)	176	31896			95.00- 101.00	95.04
5.347	5.600	(0.000)	177	2394			5.00- 9.00	7.51

Data File: P6949.D

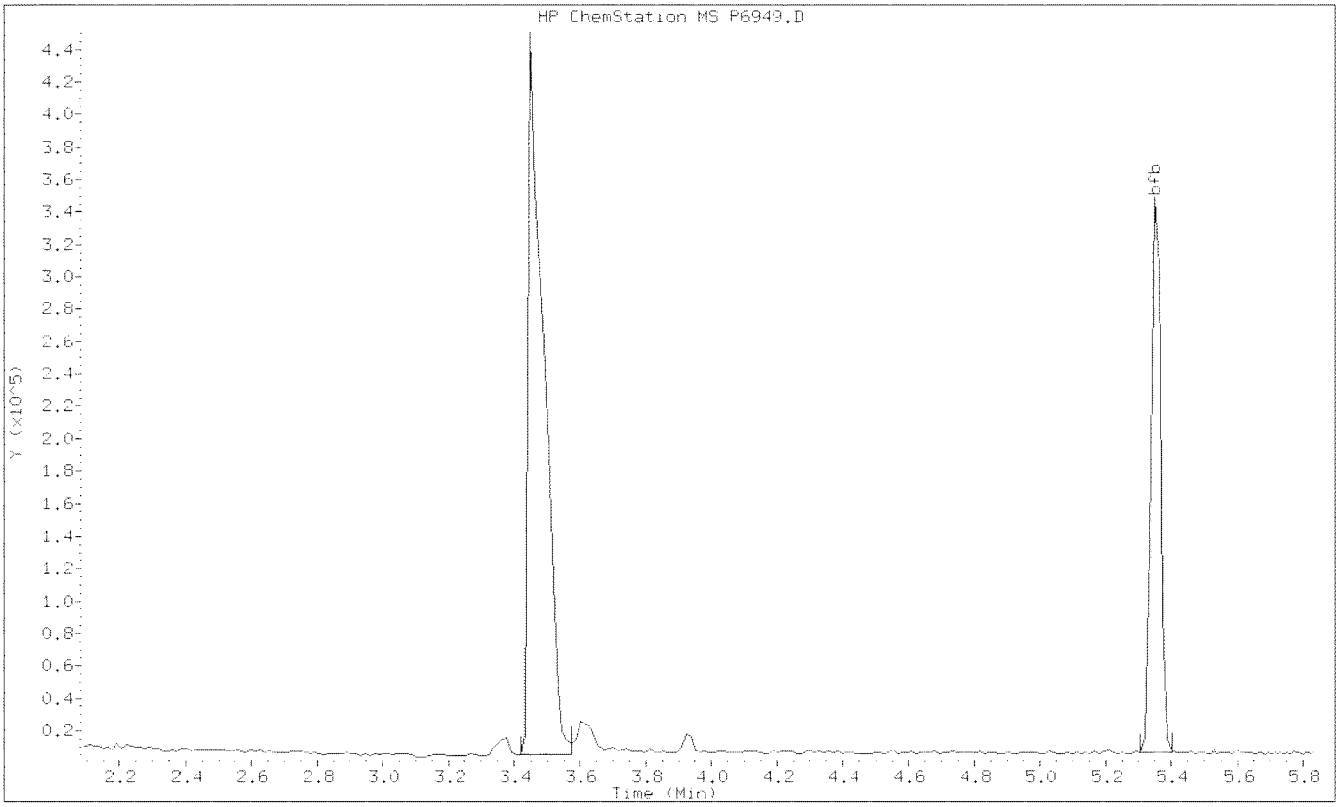
Date: 25-APR-2012 09:50

Client ID: BFB

Instrument: P.i

Sample Info: BFB,,

Operator: MEIERG



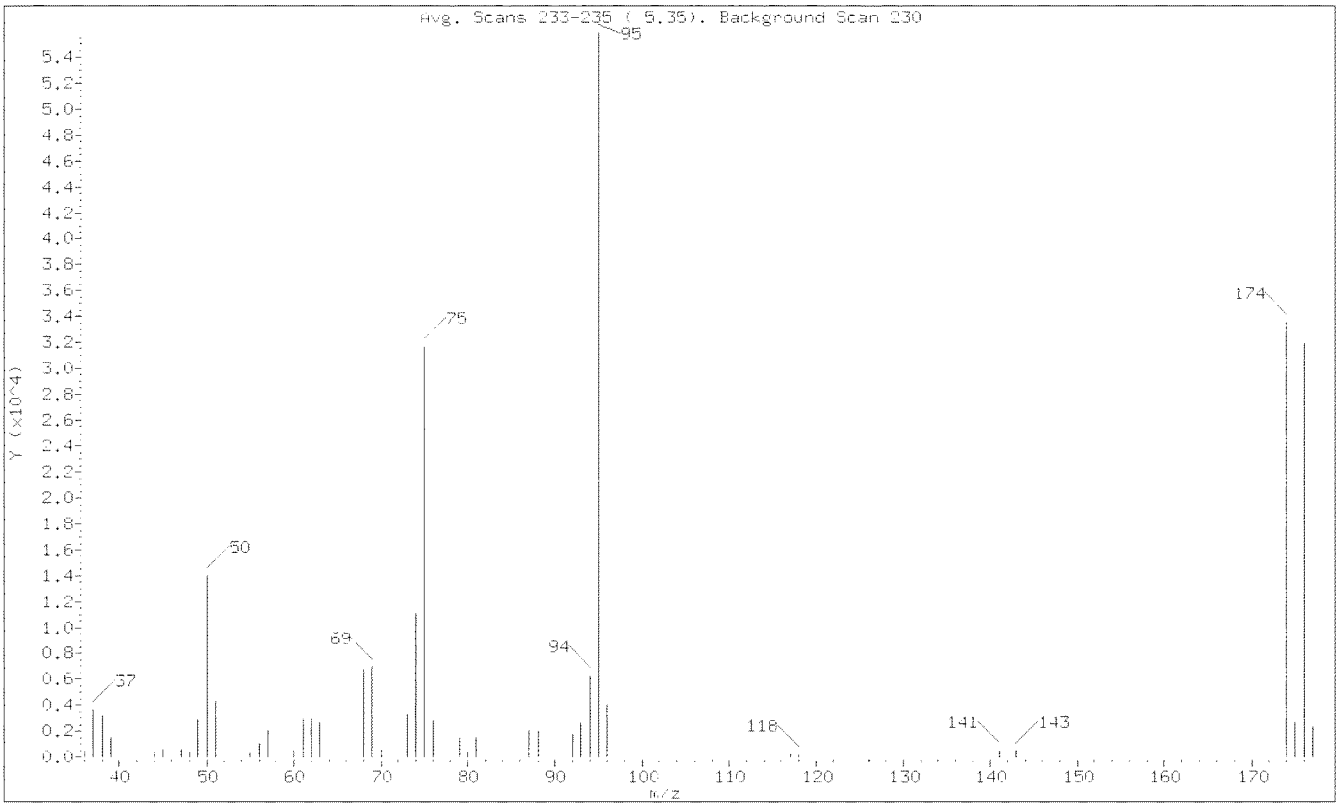
Data File: P6949.D

Date: 25-APR-2012 09:50

Client ID: BFB Instrument: P.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.07
75	30.00 - 60.00% of mass 95	56.70
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	60.08
175	5.00 - 9.00% of mass 174	4.75 (7.91)
176	95.00 - 101.00% of mass 174	57.10 (95.04)
177	5.00 - 9.00% of mass 176	4.29 (7.51)

Data File: P6949.D

Date: 25-APR-2012 09:50

Client ID: BFB Instrument: P.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\P.i\042512I.B\P6949.D
Spectrum: Avg. Scans 233-235 (5.35), Background Scan 230
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	488	55.00	276	74.00	11019	95.00	55856
37.00	3695	56.00	961	75.00	31672	96.00	4021
38.00	3158	57.00	1983	76.00	2819	117.00	170
39.00	1472	60.00	541	79.00	1464	118.00	190
44.00	348	61.00	3061	80.00	361	141.00	436
45.00	621	62.00	2900	81.00	1500	143.00	442
47.00	510	63.00	2609	87.00	2007	174.00	33560
48.00	359	68.00	6748	88.00	2007	175.00	2655
49.00	2892	69.00	6920	92.00	1725	176.00	31896
50.00	14002	70.00	524	93.00	2647	177.00	2394
51.00	4282	73.00	3282	94.00	6333		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7058.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 27-APR-2012 08:15
Operator : MEIERG Inst ID: P.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\bfb390.m
Meth Date : 18-Apr-2012 05:53 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC186

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
1 bfb						CAS #: 460-00-4		
5.361	5.600	(0.000)	95	75976			0.00- 100.00	100.00
5.361	5.600	(0.000)	50	18664			15.00- 40.00	24.57
5.361	5.600	(0.000)	75	44864			30.00- 60.00	59.05
5.361	5.600	(0.000)	96	5634			5.00- 9.00	7.42
5.361	5.600	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.361	5.600	(0.000)	174	51112			50.00- 0.00	67.27
5.361	5.600	(0.000)	175	3803			5.00- 9.00	7.44
5.361	5.600	(0.000)	176	48752			95.00- 101.00	95.38
5.361	5.600	(0.000)	177	3226			5.00- 9.00	6.62

Data File: P7058.D

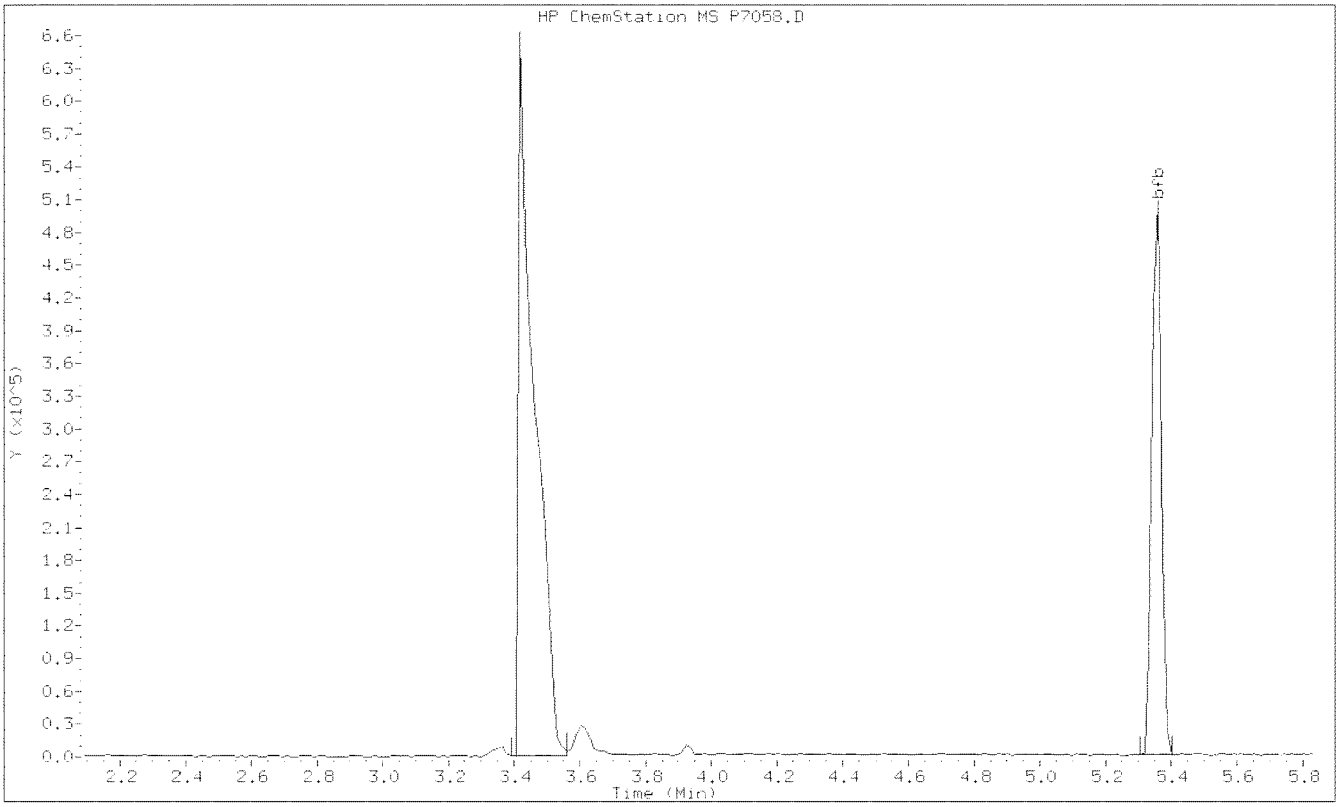
Date: 27-APR-2012 08:15

Client ID: BFB

Instrument: P.i

Sample Info: BFB,,

Operator: MEIERG



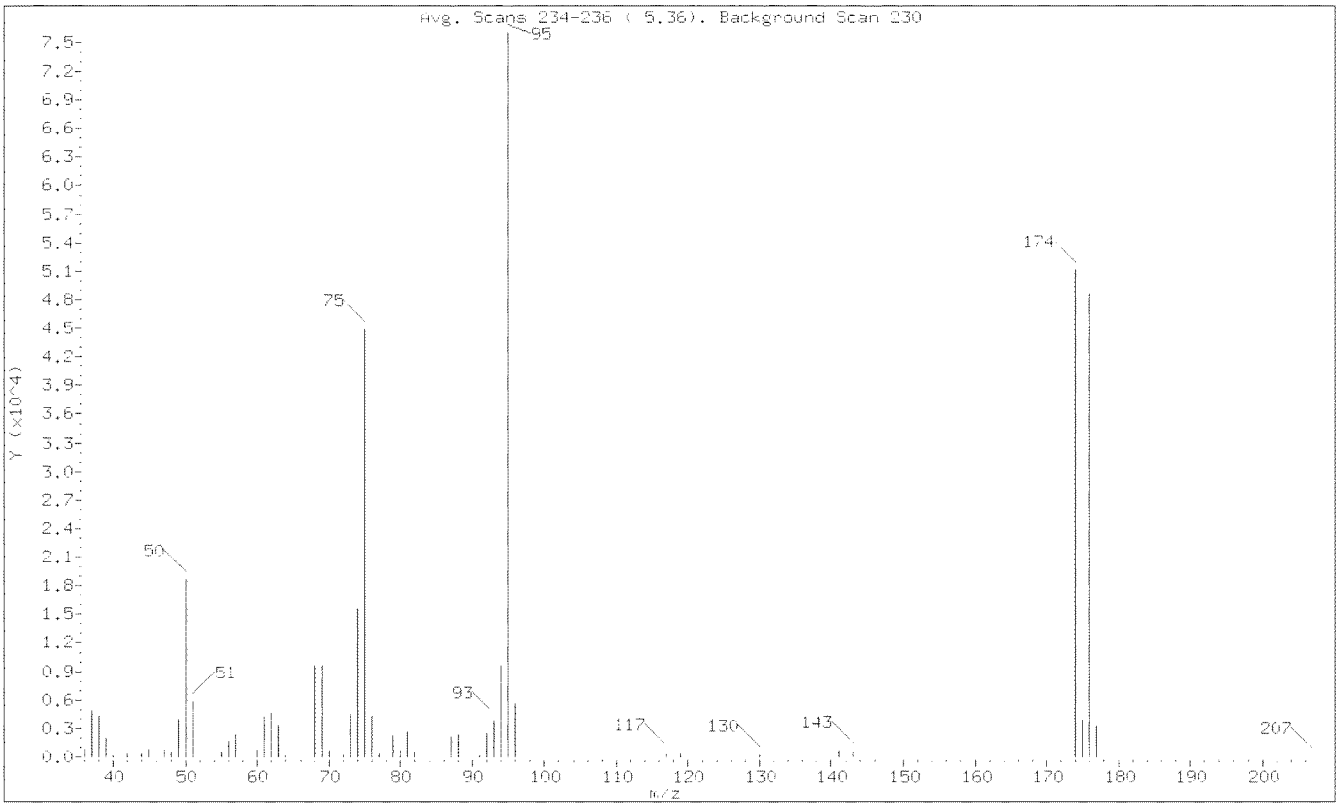
Data File: P7058.D

Date: 27-APR-2012 08:15

Client ID: BFB Instrument: P.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.57
75	30.00 - 60.00% of mass 95	59.05
96	5.00 - 9.00% of mass 95	7.42
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.27
175	5.00 - 9.00% of mass 174	5.01 (7.44)
176	95.00 - 101.00% of mass 174	64.17 (95.38)
177	5.00 - 9.00% of mass 176	4.25 (6.62)

Data File: P7058.D

Date: 27-APR-2012 08:15

Client ID: BFB

Instrument: P.i

Sample Info: BFB,,

Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7058.D
Spectrum: Avg. Scans 234-236 (5.36), Background Scan 230
Location of Maximum: 95.00
Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	710	56.00	1598	76.00	4173	117.00	396
37.00	4850	57.00	2394	77.00	430	119.00	361
38.00	4265	60.00	756	79.00	2232	130.00	189
39.00	2032	61.00	4199	80.00	584	141.00	583
40.00	149	62.00	4551	81.00	2585	143.00	615
42.00	425	63.00	3193	82.00	482	174.00	51112
44.00	354	64.00	181	87.00	2170	175.00	3803
45.00	716	68.00	9589	88.00	2418	176.00	48752
47.00	783	69.00	9572	91.00	167	177.00	3226
48.00	511	70.00	682	92.00	2530	207.00	33
49.00	3815	72.00	252	93.00	3749		
50.00	18664	73.00	4438	94.00	9574		
51.00	5866	74.00	15543	95.00	75976		
55.00	557	75.00	44864	96.00	5634		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 280-117414/10
Matrix: Water | Lab File ID: P7068.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 11:22
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		10	1.9
107-13-1	Acrylonitrile	ND		20	1.4
71-43-2	Benzene	ND		1.0	0.16
108-86-1	Bromobenzene	ND		1.0	0.17
74-97-5	Bromochloromethane	ND		1.0	0.10
75-27-4	Bromodichloromethane	ND		1.0	0.17
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		2.0	0.21
78-93-3	2-Butanone (MEK)	ND		6.0	2.0
75-15-0	Carbon disulfide	ND		2.0	0.45
56-23-5	Carbon tetrachloride	ND		1.0	0.19
108-90-7	Chlorobenzene	ND		1.0	0.17
124-48-1	Chlorodibromomethane	ND		1.0	0.17
75-00-3	Chloroethane	ND		2.0	0.41
67-66-3	Chloroform	ND		1.0	0.16
74-87-3	Chloromethane	ND		2.0	0.30
107-05-1	Allyl chloride	ND		2.0	0.17
95-49-8	2-Chlorotoluene	ND		1.0	0.17
106-43-4	4-Chlorotoluene	ND		1.0	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.47
74-95-3	Dibromomethane	ND		1.0	0.17
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.13
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.16
75-71-8	Dichlorodifluoromethane	ND		2.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.15
75-35-4	1,1-Dichloroethene	ND		1.0	0.23
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
142-28-9	1,3-Dichloropropane	ND		1.0	0.22
594-20-7	2,2-Dichloropropane	ND		1.0	0.18
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
563-58-6	1,1-Dichloropropene	ND		1.0	0.19
64-17-5	Ethanol	ND		300	94
637-92-3	Ethyl tert-butyl ether	ND		5.0	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 280-117414/10
Matrix: Water | Lab File ID: P7068.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 11:22
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.16
60-29-7	Ethyl ether	ND		2.0	0.26
87-68-3	Hexachlorobutadiene	ND		1.0	0.36
591-78-6	2-Hexanone	ND		5.0	1.7
74-88-4	Iodomethane	ND		1.0	0.23
78-83-1	Isobutanol	ND		110	37
67-63-0	Isopropanol	ND		40	13
98-82-8	Isopropylbenzene	ND		1.0	0.19
108-20-3	Diisopropyl ether	ND		10	0.74
126-98-7	Methacrylonitrile	ND		10	1.6
75-09-2	Methylene Chloride	ND		2.0	0.32
71-36-3	n-Butanol	ND		60	17
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98
104-51-8	n-Butylbenzene	ND		1.0	0.32
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.25
91-20-3	Naphthalene	ND		1.0	0.22
103-65-1	N-Propylbenzene	ND		1.0	0.16
99-87-6	p-Isopropyltoluene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.17
100-42-5	Styrene	ND		1.0	0.17
994-05-8	Tert-amyl methyl ether	ND		5.0	1.4
75-65-0	tert-Butyl alcohol	ND		50	11
98-06-6	tert-Butylbenzene	ND		1.0	0.16
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.20
108-88-3	Toluene	ND		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	ND		3.0	0.19
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.21
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.16
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.27
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.34
95-47-6	o-Xylene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 280-117414/10
Matrix: Water | Lab File ID: P7068.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 11:22
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	ND		2.0	0.29
96-18-4	1,2,3-Trichloropropane	ND		2.5	0.33
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.15
106-93-4	1,2-Dibromoethane	ND		1.0	0.18
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.16
526-73-8	1,2,3-Trimethylbenzene	ND		2.0	0.27
75-01-4	Vinyl chloride	ND		1.0	0.10
1330-20-7	Xylenes, Total	ND		2.0	0.19

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-127
2037-26-5	Toluene-d8 (Surr)	95		80-125
460-00-4	4-Bromofluorobenzene (Surr)	100		78-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-120

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

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-117414/10

Matrix: Water | Lab File ID: P7068.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 11:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

Number TICs Found: 3 | TIC Result Total: 79.54

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	10.93	58.2	T J N
	Unknown	12.53	18.3	T J
	Unknown	14.69	3.04	T J

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7068.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 27-APR-2012 11:22
Operator : MEIERG Inst ID: P.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70	Fluorobenzene	96	7.988	7.988	(1.000)	1155435	12.5000		
* 96	Chlorobenzene-d5	119	10.241	10.240	(1.000)	225932	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	299271	12.5000		(Q)
$ 59	Dibromofluoromethane (Surr)	111	7.445	7.438	(0.932)	284055	12.6690	12.6690	
$ 65	1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	318807	12.6934	12.6934	
$ 84	Toluene-d8	98	9.147	9.146	(0.893)	1184471	11.8916	11.8916	
$ 107	4-Bromofluorobenzene (Surr)	95	11.127	11.127	(0.917)	381416	12.5315	12.5315	
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.						
M 2	Xylene (total)	106	Compound Not Detected.						
5	dichlorodifluoromethane	85	Compound Not Detected.						
6	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7	Chloromethane	50	Compound Not Detected.						
8	Vinyl Chloride	62	Compound Not Detected.						
9	Ethylene Oxide	43	Compound Not Detected.						
10	Bromomethane	94	Compound Not Detected.						
11	Chloroethane	64	Compound Not Detected.						
12	Dichlorofluoromethane	67	Compound Not Detected.						
14	Trichlorofluoromethane	101	Compound Not Detected.						
13	Ethanol	45	Compound Not Detected.						
15	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17	Ethyl Ether	59	Compound Not Detected.						
16	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						
19	Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
20 Acetone	43	Compound Not Detected.					
21 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 2-propanol	45	Compound Not Detected.					
23 1,1-Dichloroethene	96	Compound Not Detected.					
27 Iodomethane	142	Compound Not Detected.					
26 Acetonitrile	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
31 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
30 tert-Butyl alcohol	59	Compound Not Detected.					
33 Methylene Chloride	84	Compound Not Detected.					
34 Acrylonitrile	53	Compound Not Detected.					
35 Methyl t-butyl ether	73	Compound Not Detected.					
36 trans-1,2-Dichloroethene	96	Compound Not Detected.					
40 Hexane	57	Compound Not Detected.					
42 Vinyl acetate	43	Compound Not Detected.					
43 sec-Butyl Alcohol	45	Compound Not Detected.					
44 Isopropyl ether	87	Compound Not Detected.					
45 1,1-Dichloroethane	63	Compound Not Detected.					
47 Chloroprene	53	Compound Not Detected.					
49 ETBE	59	Compound Not Detected.					
51 2-Butanone	43	Compound Not Detected.					
50 Ethyl Acetate	43	Compound Not Detected.					
53 cis-1,2-Dichloroethene	96	Compound Not Detected.					
52 Propionitrile	54	Compound Not Detected.					
54 2,2-Dichloropropane	77	Compound Not Detected.					
55 Methacrylonitrile	41	Compound Not Detected.					
56 Bromochloromethane	128	Compound Not Detected.					
57 Chloroform	83	Compound Not Detected.					
58 Tetrahydrofuran	42	Compound Not Detected.					
61 1,1,1-Trichloroethane	97	Compound Not Detected.					
60 Isobutanol	41	Compound Not Detected.					
62 Cyclohexane	56	Compound Not Detected.					
63 1,1-Dichloropropene	75	Compound Not Detected.					
64 Carbon Tetrachloride	117	Compound Not Detected.					
66 1,2-Dichloroethane	62	Compound Not Detected.					
68 Benzene	78	Compound Not Detected.					
67 TAME	73	Compound Not Detected.					
69 n-Butanol	56	Compound Not Detected.					
72 Trichloroethene	130	Compound Not Detected.					
73 2-Pentanone	43	Compound Not Detected.					
74 Methyl Methacrylate	100	Compound Not Detected.					
75 1,2-Dichloropropane	63	Compound Not Detected.					
76 Methyl Cyclohexane	55	Compound Not Detected.					
77 1,4-Dioxane	88	Compound Not Detected.					
78 Dibromomethane	93	Compound Not Detected.					
79 Bromodichloromethane	83	Compound Not Detected.					
80 2-nitropropane	41	Compound Not Detected.					
81 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
82 cis-1,3-Dichloropropene	75	Compound Not Detected.					
83 4-Methyl-2-pentanone	43	Compound Not Detected.					
85 Toluene	91	Compound Not Detected.					
87 trans-1,3-Dichloropropene	75	Compound Not Detected.					
86 Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
88	1,1,2-Trichloroethane	97	Compound Not Detected.					
89	2-Hexanone	43	Compound Not Detected.					
90	1,3-Dichloropropane	76	Compound Not Detected.					
91	Tetrachloroethene	164	Compound Not Detected.					
92	Dibromochloromethane	129	Compound Not Detected.					
93	Tetrahydrothiophene	60	Compound Not Detected.					
94	1,2-Dibromoethane	107	Compound Not Detected.					
95	1-Chlorohexane	91	Compound Not Detected.					
97	Chlorobenzene	112	Compound Not Detected.					
98	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
99	Ethylbenzene	106	Compound Not Detected.					
100	m and p-Xylene	106	Compound Not Detected.					
102	o-Xylene	106	Compound Not Detected.					
101	Styrene	104	Compound Not Detected.					
103	Bromoform	173	Compound Not Detected.					
104	isopropyl benzene	105	Compound Not Detected.					
105	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
106	Cyclohexanone	55	Compound Not Detected.					
108	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
109	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
110	1,2,3-Trichloropropane	110	Compound Not Detected.					
112	Bromobenzene	156	Compound Not Detected.					
111	n-Propylbenzene	120	Compound Not Detected.					
114	2-Chlorotoluene	126	Compound Not Detected.					
113	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
115	4-Chlorotoluene	126	Compound Not Detected.					
116	tert-Butylbenzene	119	Compound Not Detected.					
117	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
119	sec-Butylbenzene	134	Compound Not Detected.					
120	4-Isopropyltoluene	119	Compound Not Detected.					
121	1,3-Dichlorobenzene	146	Compound Not Detected.					
123	1,4-dichlorobenzene	146	Compound Not Detected.					
124	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
125	n-Butylbenzene	91	Compound Not Detected.					
127	1,2-Dichlorobenzene	146	Compound Not Detected.					
128	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
130	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
131	Hexachlorobutadiene	225	Compound Not Detected.					
132	Naphthalene	128	Compound Not Detected.					
133	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7068.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 27-APR-2012 11:22
Operator : MEIERG Inst ID: P.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 96 Chlorobenzene-d5	10.241	2484057	12.500
* 122 1,4-Dichlorobenzene-d4	12.129	2237204	12.500

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
10.935	11559239	58.1671338	58.1671	83	NBS75K.1	72646	96
Unknown				CAS #:			
12.529	3280805	18.3309434	18.3309	0		0	122
Unknown				CAS #:			
14.688	544171	3.04046264	3.04046	0		0	122

Data File: P7068.D

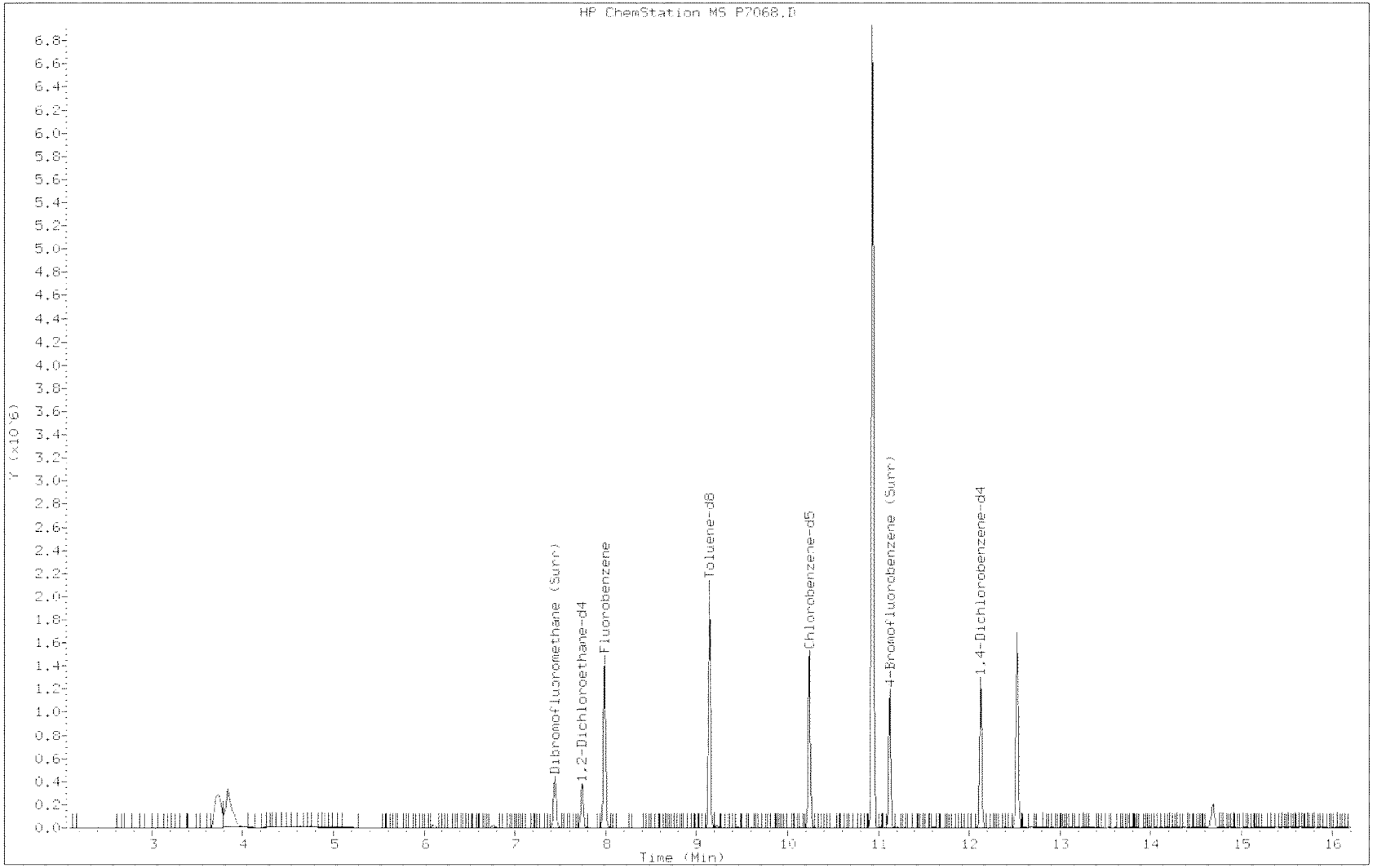
Date: 27-APR-2012 11:22

Client ID: MB

Instrument: P.i

Sample Info: MB,,AF

Operator: MEIERG



Data File: P7068.D

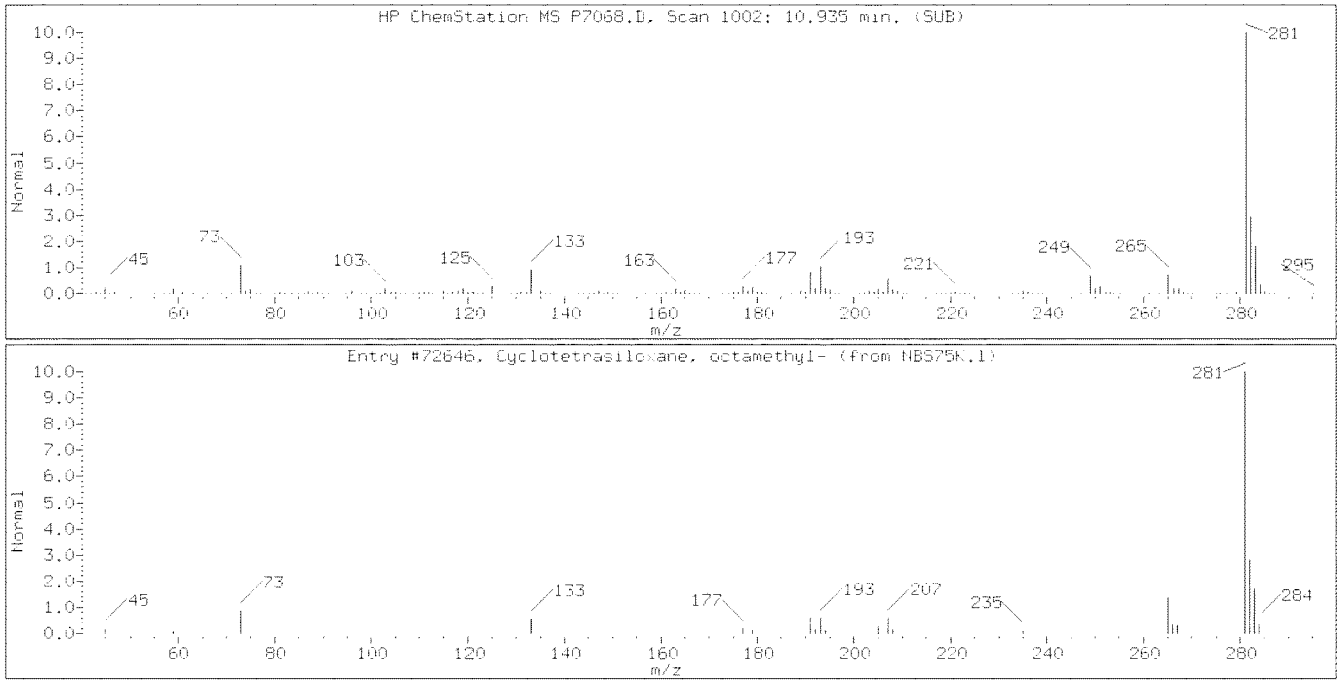
Date: 27-APR-2012 11:22

Client ID: MB Instrument: P.i

Sample Info: MB,,AF Operator: MEIERG

Retention Time: 10.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.l	72646	83	C8H24O4Si4	296



Data File: P7068.D

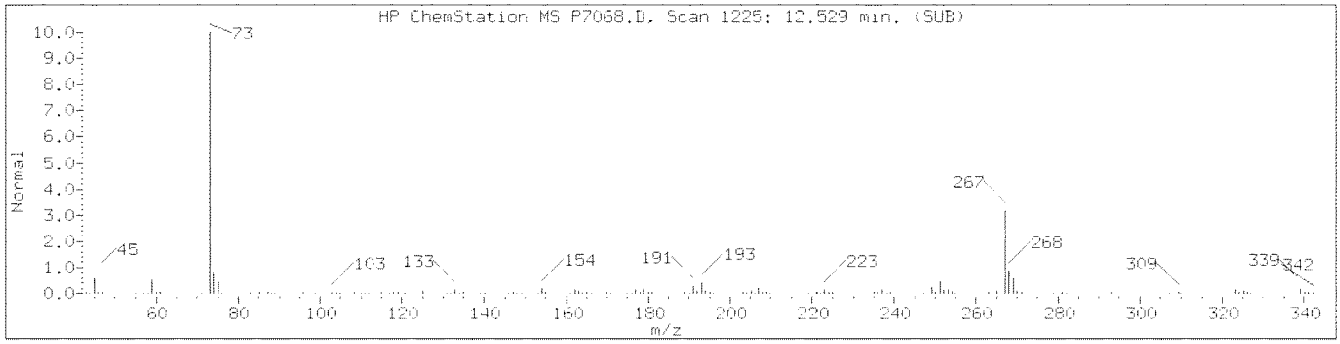
Date: 27-APR-2012 11:22

Client ID: MB Instrument: P.i

Sample Info: MB,,AF Operator: MEIERG

Retention Time: 12.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: P7068.D

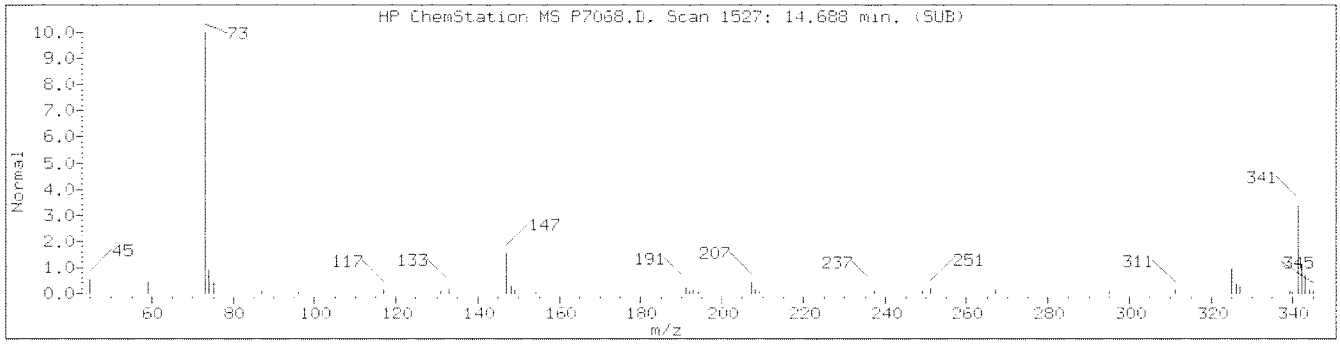
Date: 27-APR-2012 11:22

Client ID: MB Instrument: P.i

Sample Info: MB,,AF Operator: MEIERG

Retention Time: 14.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: LCS 280-117414/5
Matrix: Water | Lab File ID: P7062.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 09:22
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	83.2		10	1.9
107-13-1	Acrylonitrile	ND		20	1.4
71-43-2	Benzene	4.58		1.0	0.16
108-86-1	Bromobenzene	4.27		1.0	0.17
74-97-5	Bromochloromethane	4.66		1.0	0.10
75-27-4	Bromodichloromethane	5.33		1.0	0.17
75-25-2	Bromoform	5.05		1.0	0.19
74-83-9	Bromomethane	5.64		2.0	0.21
78-93-3	2-Butanone (MEK)	25.1		6.0	2.0
75-15-0	Carbon disulfide	3.08		2.0	0.45
56-23-5	Carbon tetrachloride	5.54		1.0	0.19
108-90-7	Chlorobenzene	4.41		1.0	0.17
124-48-1	Chlorodibromomethane	4.98		1.0	0.17
75-00-3	Chloroethane	5.80		2.0	0.41
67-66-3	Chloroform	5.05		1.0	0.16
74-87-3	Chloromethane	6.09		2.0	0.30
107-05-1	Allyl chloride	ND		2.0	0.17
95-49-8	2-Chlorotoluene	4.28		1.0	0.17
106-43-4	4-Chlorotoluene	4.28		1.0	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	4.99	J	5.0	0.47
74-95-3	Dibromomethane	4.84		1.0	0.17
95-50-1	1,2-Dichlorobenzene	4.40		1.0	0.15
541-73-1	1,3-Dichlorobenzene	4.38		1.0	0.13
106-46-7	1,4-Dichlorobenzene	4.46		1.0	0.16
75-71-8	Dichlorodifluoromethane	5.18		2.0	0.31
75-34-3	1,1-Dichloroethane	4.85		1.0	0.22
107-06-2	1,2-Dichloroethane	5.67		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	4.56		1.0	0.15
75-35-4	1,1-Dichloroethene	4.63		1.0	0.23
78-87-5	1,2-Dichloropropane	4.36		1.0	0.18
142-28-9	1,3-Dichloropropane	4.68		1.0	0.22
594-20-7	2,2-Dichloropropane	5.25		1.0	0.18
10061-01-5	cis-1,3-Dichloropropene	4.48		1.0	0.16
563-58-6	1,1-Dichloropropene	4.53		1.0	0.19
64-17-5	Ethanol	ND		300	94
637-92-3	Ethyl tert-butyl ether	ND		5.0	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: LCS 280-117414/5
Matrix: Water | Lab File ID: P7062.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 09:22
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	4.44		1.0	0.16
60-29-7	Ethyl ether	ND		2.0	0.26
87-68-3	Hexachlorobutadiene	4.45		1.0	0.36
591-78-6	2-Hexanone	19.2		5.0	1.7
74-88-4	Iodomethane	4.26		1.0	0.23
78-83-1	Isobutanol	ND		110	37
67-63-0	Isopropanol	ND		40	13
98-82-8	Isopropylbenzene	4.17		1.0	0.19
108-20-3	Diisopropyl ether	ND		10	0.74
126-98-7	Methacrylonitrile	ND		10	1.6
75-09-2	Methylene Chloride	4.87		2.0	0.32
71-36-3	n-Butanol	34.2	J	60	17
108-10-1	4-Methyl-2-pentanone (MIBK)	19.3		5.0	0.98
104-51-8	n-Butylbenzene	4.33		1.0	0.32
1634-04-4	Methyl tert-butyl ether	4.23	J	5.0	0.25
91-20-3	Naphthalene	3.92		1.0	0.22
103-65-1	N-Propylbenzene	4.11		1.0	0.16
99-87-6	p-Isopropyltoluene	4.27		1.0	0.20
135-98-8	sec-Butylbenzene	4.47		1.0	0.17
100-42-5	Styrene	4.42		1.0	0.17
994-05-8	Tert-amyl methyl ether	ND		5.0	1.4
75-65-0	tert-Butyl alcohol	89.4		50	11
98-06-6	tert-Butylbenzene	4.30		1.0	0.16
630-20-6	1,1,1,2-Tetrachloroethane	4.87		1.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	4.64		1.0	0.21
127-18-4	Tetrachloroethene	4.51		1.0	0.20
108-88-3	Toluene	4.58		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	4.58		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	4.83		3.0	0.19
87-61-6	1,2,3-Trichlorobenzene	4.26		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	4.37		1.0	0.21
71-55-6	1,1,1-Trichloroethane	5.13		1.0	0.16
79-00-5	1,1,2-Trichloroethane	4.73		1.0	0.27
179601-23-1	m-Xylene & p-Xylene	8.92		2.0	0.34
95-47-6	o-Xylene	4.35		1.0	0.19
79-01-6	Trichloroethene	4.64		1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117414/5

Matrix: Water | Lab File ID: P7062.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 09:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	5.85		2.0	0.29
96-18-4	1,2,3-Trichloropropane	4.51		2.5	0.33
95-63-6	1,2,4-Trimethylbenzene	4.38		1.0	0.15
106-93-4	1,2-Dibromoethane	4.61		1.0	0.18
108-67-8	1,3,5-Trimethylbenzene	4.36		1.0	0.16
526-73-8	1,2,3-Trimethylbenzene	ND		2.0	0.27
75-01-4	Vinyl chloride	5.70		1.0	0.10
1330-20-7	Xylenes, Total	13.3		2.0	0.19

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-127
2037-26-5	Toluene-d8 (Surr)	95		80-125
460-00-4	4-Bromofluorobenzene (Surr)	91		78-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7062.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 27-APR-2012 09:22
Operator : MEIERG Inst ID: P.i
Smp Info : LCS,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 09:41 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70	Fluorobenzene	96	7.989	7.988	(1.000)	1173138	12.5000		
* 96	Chlorobenzene-d5	119	10.234	10.240	(1.000)	226554	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.122	12.128	(1.000)	319330	12.5000		(Q)
$ 59	Dibromofluoromethane (Surr)	111	7.438	7.438	(0.931)	275858	12.1178	12.1178	
$ 65	1,2-Dichloroethane-d4	65	7.739	7.738	(0.969)	297641	11.6718	11.6718	
$ 84	Toluene-d8	98	9.140	9.146	(0.893)	1188507	11.8994	11.8994	
$ 107	4-Bromofluorobenzene (Surr)	95	11.121	11.127	(0.917)	368006	11.3314	11.3314	
M 1	1,2-Dichloroethene (total)	96				264856	9.13907	9.13907	
M 2	Xylene (total)	106				675750	13.2759	13.2758	
5	dichlorodifluoromethane	85	4.160	4.174	(0.521)	178781	5.18483	5.18483	
6	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7	Chloromethane	50	4.397	4.412	(0.550)	189780	6.08823	6.08823	
8	Vinyl Chloride	62	4.551	4.565	(0.570)	210450	5.69682	5.69682	
9	Ethylene Oxide	43	Compound Not Detected.						
10	Bromomethane	94	4.928	4.942	(0.617)	139170	5.64310	5.64310	
11	Chloroethane	64	4.998	5.012	(0.626)	128979	5.79575	5.79575	
12	Dichlorofluoromethane	67	Compound Not Detected.						
14	Trichlorofluoromethane	101	5.291	5.292	(0.662)	303740	5.85245	5.85245	
13	Ethanol	45	Compound Not Detected.						
15	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17	Ethyl Ether	59	Compound Not Detected.						
16	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
19	Acrolein	56	Compound Not Detected.					
20	Acetone	43	5.715	5.714	(0.715)	195255	83.1772	83.1772(R)
21	Trichlorotrifluoroethane	151	Compound Not Detected.					
22	2-propanol	45	Compound Not Detected.					
23	1,1-Dichloroethene	96	5.730	5.743	(0.717)	135711	4.62700	4.62700
27	Iodomethane	142	5.923	5.929	(0.741)	164164	4.26484	4.26484
26	Acetonitrile	41	6.044	5.972	(0.757)	9870	11.9228	11.9228
28	Methyl Acetate	43	Compound Not Detected.					
31	Carbon Disulfide	76	6.016	6.015	(0.753)	335682	3.08210	3.08210
29	Allyl Chloride	41	Compound Not Detected.					
30	tert-Butyl alcohol	59	6.066	6.065	(0.759)	49489	89.4093	89.4093
33	Methylene Chloride	84	6.101	6.108	(0.764)	119510	4.86665	4.86665
34	Acrylonitrile	53	Compound Not Detected.					
35	Methyl t-butyl ether	73	6.273	6.272	(0.785)	169571	4.22595	4.22594
36	trans-1,2-Dichloroethene	96	6.323	6.322	(0.791)	138889	4.58145	4.58145
40	Hexane	57	6.473	6.479	(0.633)	185105	3.56474	3.56474
42	Vinyl acetate	43	6.580	6.587	(0.824)	63383	2.62844	2.62844(R)
43	sec-Butyl Alcohol	45	7.088	7.087	(0.887)	48443	92.6088	92.6088
44	Isopropyl ether	87	Compound Not Detected.					
45	1,1-Dichloroethane	63	6.652	6.658	(0.833)	272964	4.85058	4.85058
47	Chloroprene	53	Compound Not Detected.					
49	ETBE	59	Compound Not Detected.					
51	2-Butanone	43	7.045	7.044	(0.882)	80290	25.0528	25.0528
50	Ethyl Acetate	43	7.045	7.023	(0.882)	80290	7.59470	7.59470(Q)
53	cis-1,2-Dichloroethene	96	7.095	7.094	(0.888)	125967	4.55761	4.55761
52	Propionitrile	54	Compound Not Detected.					
54	2,2-Dichloropropane	77	7.124	7.123	(0.892)	254684	5.25272	5.25272
55	Methacrylonitrile	41	Compound Not Detected.					
56	Bromochloromethane	128	7.303	7.302	(0.914)	37744	4.65842	4.65842
57	Chloroform	83	7.303	7.309	(0.914)	239868	5.05225	5.05225
58	Tetrahydrofuran	42	Compound Not Detected.					
61	1,1,1-Trichloroethane	97	7.524	7.523	(0.942)	253505	5.12724	5.12724
60	Isobutanol	41	7.438	7.509	(0.931)	220	1.11157	1.11157(aQ)
62	Cyclohexane	56	Compound Not Detected.					
63	1,1-Dichloropropene	75	7.624	7.623	(0.954)	223075	4.52720	4.52720
64	Carbon Tetrachloride	117	7.660	7.659	(0.959)	222431	5.54457	5.54456
66	1,2-Dichloroethane	62	7.796	7.802	(0.976)	142705	5.66837	5.66837
68	Benzene	78	7.810	7.816	(0.978)	512185	4.57758	4.57758
67	TAME	73	Compound Not Detected.					
69	n-Butanol	56	7.982	8.010	(0.999)	9297	34.2253	34.2252
72	Trichloroethene	130	8.268	8.267	(1.035)	128055	4.63517	4.63517
73	2-Pentanone	43	8.311	8.310	(1.040)	35868	6.34580	6.34580
74	Methyl Methacrylate	100	Compound Not Detected.					
75	1,2-Dichloropropane	63	8.454	8.453	(1.058)	104828	4.36150	4.36150
76	Methyl Cyclohexane	55	Compound Not Detected.					
77	1,4-Dioxane	88	Compound Not Detected.					
78	Dibromomethane	93	8.561	8.560	(1.072)	38918	4.83579	4.83579
79	Bromodichloromethane	83	8.618	8.624	(1.079)	140181	5.32895	5.32895
80	2-nitropropane	41	Compound Not Detected.					
81	2-Chloroethyl vinyl ether	63	8.747	8.746	(0.855)	16771	2.80137	2.80137
82	cis-1,3-Dichloropropene	75	8.926	8.925	(0.872)	141566	4.47781	4.47781
83	4-Methyl-2-pentanone	43	8.976	8.982	(0.877)	134772	19.2577	19.2577
85	Toluene	91	9.197	9.196	(1.151)	535916	4.57619	4.57619
87	trans-1,3-Dichloropropene	75	9.297	9.297	(1.164)	110002	4.83097	4.83097
86	Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
88	1,1,2-Trichloroethane	97	9.462	9.461	(1.184)	48554	4.72670	4.72670
89	2-Hexanone	43	9.569	9.568	(1.198)	89011	19.1814	19.1814
90	1,3-Dichloropropane	76	9.598	9.604	(0.938)	103434	4.67550	4.67550
91	Tetrachloroethene	164	9.612	9.611	(0.939)	100920	4.50961	4.50961
92	Dibromochloromethane	129	9.798	9.797	(0.957)	61772	4.97814	4.97814
93	Tetrahydrothiophene	60	Compound Not Detected.					
94	1,2-Dibromoethane	107	9.927	9.926	(0.970)	45854	4.60796	4.60796
95	1-Chlorohexane	91	10.134	10.133	(0.990)	184284	4.12855	4.12855
97	Chlorobenzene	112	10.263	10.262	(1.003)	295033	4.40992	4.40992
98	1,1,1,2-Tetrachloroethane	131	10.298	10.298	(1.006)	92796	4.86507	4.86507
99	Ethylbenzene	106	10.291	10.290	(1.006)	193795	4.43652	4.43652
100	m and p-Xylene	106	10.363	10.369	(1.013)	468277	8.92230	8.92230
102	o-Xylene	106	10.692	10.691	(1.045)	207473	4.35355	4.35355
101	Styrene	104	10.692	10.691	(1.045)	295437	4.41588	4.41588
103	Bromoform	173	10.921	10.920	(1.067)	26336	5.05065	5.05065
104	isopropyl benzene	105	10.956	10.955	(0.904)	625381	4.17499	4.17499
105	cis-1,4-dichloro-2-butene	53	10.956	10.998	(0.904)	9104	2.94947	2.94947(Q)
106	Cyclohexanone	55	11.114	11.113	(1.086)	52389	160.359	160.359
108	1,1,2,2-Tetrachloroethane	83	11.178	11.177	(0.922)	50272	4.63576	4.63576
109	t-1,4-Dichloro-2-butene	53	11.214	11.220	(0.925)	63815	18.1751	18.1751
110	1,2,3-Trichloropropane	110	11.257	11.256	(0.929)	13857	4.50687	4.50686(Q)
112	Bromobenzene	156	11.299	11.299	(0.932)	99059	4.27342	4.27342
111	n-Propylbenzene	120	11.285	11.284	(0.931)	168490	4.10533	4.10533
114	2-Chlorotoluene	126	11.421	11.420	(0.942)	131340	4.28259	4.28259
113	1,3,5-Trimethylbenzene	105	11.392	11.399	(0.940)	510345	4.36387	4.36387
115	4-Chlorotoluene	126	11.500	11.499	(0.949)	128394	4.28167	4.28167
116	tert-Butylbenzene	119	11.707	11.706	(0.966)	504494	4.29613	4.29612
117	1,2,4-Trimethylbenzene	105	11.736	11.735	(0.968)	505470	4.37667	4.37667
119	sec-Butylbenzene	134	11.893	11.892	(0.981)	140879	4.47074	4.47074
120	4-Isopropyltoluene	119	11.986	11.985	(0.989)	560986	4.26939	4.26939
121	1,3-Dichlorobenzene	146	12.079	12.078	(0.996)	217420	4.38097	4.38097
123	1,4-dichlorobenzene	146	12.150	12.149	(1.002)	214136	4.46437	4.46437
124	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
125	n-Butylbenzene	91	12.372	12.371	(1.021)	606358	4.32604	4.32604
127	1,2-Dichlorobenzene	146	12.529	12.536	(1.034)	170677	4.40450	4.40450
128	1,2-Dibromo-3-chloropropane	157	13.337	13.336	(1.100)	5981	4.98793	4.98793(Q)
130	1,2,4-Trichlorobenzene	180	14.345	14.345	(1.183)	106086	4.36774	4.36774
131	Hexachlorobutadiene	225	14.488	14.488	(1.195)	93917	4.44892	4.44892
132	Naphthalene	128	14.753	14.752	(1.217)	122678	3.92092	3.92092
133	1,2,3-Trichlorobenzene	180	15.089	15.095	(1.245)	76714	4.26246	4.26246

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: P7062.D

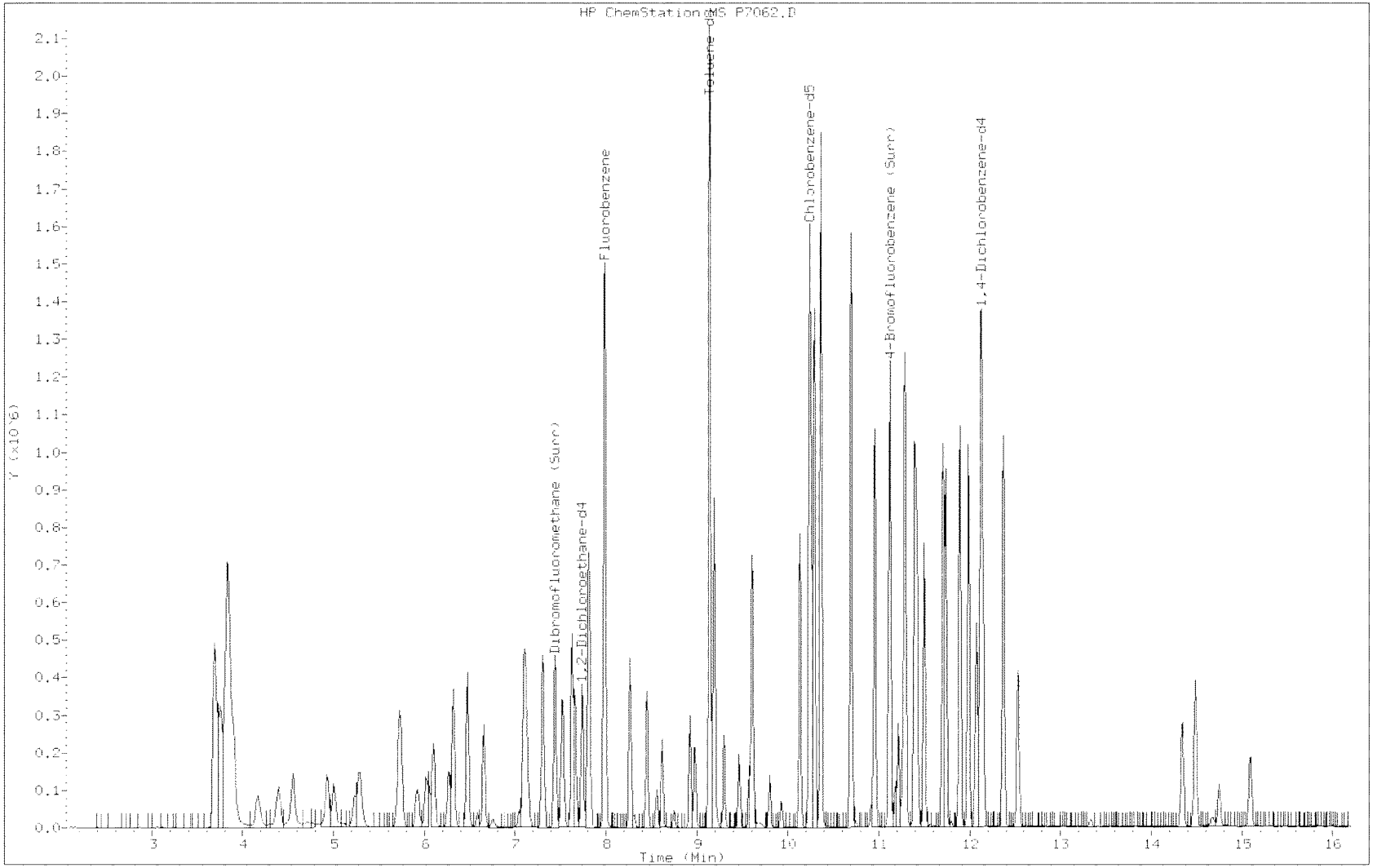
Date: 27-APR-2012 09:22

Client ID: LCS

Instrument: P.i

Sample Info: LCS,,

Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117414/8

Matrix: Water | Lab File ID: P7066.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 10:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	Isopropanol	138		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-127
2037-26-5	Toluene-d8 (Surr)	95		80-125
460-00-4	4-Bromofluorobenzene (Surr)	92		78-120
1868-53-7	Dibromofluoromethane (Surr)	96		77-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7066.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 27-APR-2012 10:42
Operator : MEIERG Inst ID: P.i
Smp Info : LCS,,IPA
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 10:25 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-IPA.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70 Fluorobenzene	96	7.995	7.988	(1.000)	1253297	12.5000		
* 96 Chlorobenzene-d5	119	10.247	10.240	(1.000)	240680	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.142	12.128	(1.000)	321334	12.5000		(Q)
$ 59 Dibromofluoromethane (Surr)	111	7.452	7.438	(0.932)	291597	11.9899	11.9899	
$ 65 1,2-Dichloroethane-d4	65	7.752	7.738	(0.970)	325747	11.9570	11.9570	
$ 84 Toluene-d8	98	9.153	9.146	(0.893)	1257728	11.8534	11.8534	
$ 107 4-Bromofluorobenzene (Surr)	95	11.134	11.127	(0.917)	377242	11.5433	11.5433	
22 2-propanol	45	5.743	5.736	(0.718)	75540	138.142	138.142	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P7066.D

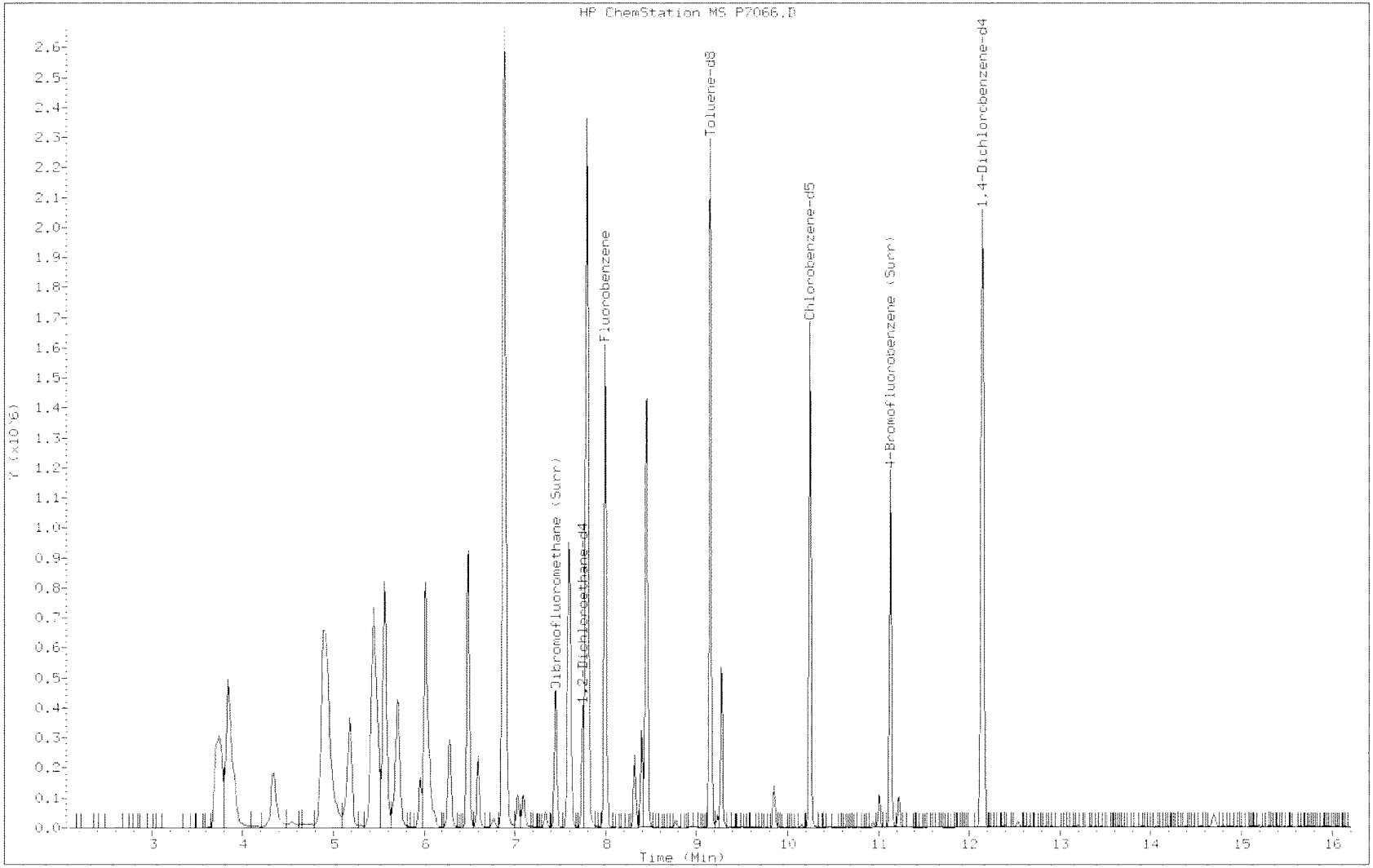
Date: 27-APR-2012 10:42

Client ID: LCS

Instrument: P.i

Sample Info: LCS,,IPA

Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: LCSD 280-117414/6
Matrix: Water | Lab File ID: P7063.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 09:42
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	85.1		10	1.9
107-13-1	Acrylonitrile	ND		20	1.4
71-43-2	Benzene	4.70		1.0	0.16
108-86-1	Bromobenzene	4.43		1.0	0.17
74-97-5	Bromochloromethane	5.08		1.0	0.10
75-27-4	Bromodichloromethane	5.58		1.0	0.17
75-25-2	Bromoform	5.02		1.0	0.19
74-83-9	Bromomethane	5.48		2.0	0.21
78-93-3	2-Butanone (MEK)	25.6		6.0	2.0
75-15-0	Carbon disulfide	3.39		2.0	0.45
56-23-5	Carbon tetrachloride	5.74		1.0	0.19
108-90-7	Chlorobenzene	4.61		1.0	0.17
124-48-1	Chlorodibromomethane	5.25		1.0	0.17
75-00-3	Chloroethane	5.90		2.0	0.41
67-66-3	Chloroform	5.37		1.0	0.16
74-87-3	Chloromethane	6.28		2.0	0.30
107-05-1	Allyl chloride	ND		2.0	0.17
95-49-8	2-Chlorotoluene	4.46		1.0	0.17
106-43-4	4-Chlorotoluene	4.36		1.0	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	5.19		5.0	0.47
74-95-3	Dibromomethane	5.07		1.0	0.17
95-50-1	1,2-Dichlorobenzene	4.61		1.0	0.15
541-73-1	1,3-Dichlorobenzene	4.60		1.0	0.13
106-46-7	1,4-Dichlorobenzene	4.62		1.0	0.16
75-71-8	Dichlorodifluoromethane	5.23		2.0	0.31
75-34-3	1,1-Dichloroethane	5.09		1.0	0.22
107-06-2	1,2-Dichloroethane	6.01		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	4.79		1.0	0.15
75-35-4	1,1-Dichloroethene	4.97		1.0	0.23
78-87-5	1,2-Dichloropropane	4.58		1.0	0.18
142-28-9	1,3-Dichloropropane	4.64		1.0	0.22
594-20-7	2,2-Dichloropropane	5.46		1.0	0.18
10061-01-5	cis-1,3-Dichloropropene	4.68		1.0	0.16
563-58-6	1,1-Dichloropropene	4.79		1.0	0.19
64-17-5	Ethanol	ND		300	94
637-92-3	Ethyl tert-butyl ether	ND		5.0	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117414/6

Matrix: Water | Lab File ID: P7063.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 09:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	4.57		1.0	0.16
60-29-7	Ethyl ether	ND		2.0	0.26
87-68-3	Hexachlorobutadiene	4.51		1.0	0.36
591-78-6	2-Hexanone	19.0		5.0	1.7
74-88-4	Iodomethane	4.60		1.0	0.23
78-83-1	Isobutanol	ND		110	37
67-63-0	Isopropanol	ND		40	13
98-82-8	Isopropylbenzene	4.46		1.0	0.19
108-20-3	Diisopropyl ether	ND		10	0.74
126-98-7	Methacrylonitrile	ND		10	1.6
75-09-2	Methylene Chloride	5.26		2.0	0.32
71-36-3	n-Butanol	38.3	J	60	17
108-10-1	4-Methyl-2-pentanone (MIBK)	19.3		5.0	0.98
104-51-8	n-Butylbenzene	4.45		1.0	0.32
1634-04-4	Methyl tert-butyl ether	4.29	J	5.0	0.25
91-20-3	Naphthalene	4.12		1.0	0.22
103-65-1	N-Propylbenzene	4.36		1.0	0.16
99-87-6	p-Isopropyltoluene	4.42		1.0	0.20
135-98-8	sec-Butylbenzene	4.48		1.0	0.17
100-42-5	Styrene	4.66		1.0	0.17
994-05-8	Tert-amyl methyl ether	ND		5.0	1.4
75-65-0	tert-Butyl alcohol	103		50	11
98-06-6	tert-Butylbenzene	4.49		1.0	0.16
630-20-6	1,1,1,2-Tetrachloroethane	5.13		1.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	4.62		1.0	0.21
127-18-4	Tetrachloroethene	4.64		1.0	0.20
108-88-3	Toluene	4.73		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	4.85		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	5.03		3.0	0.19
87-61-6	1,2,3-Trichlorobenzene	4.52		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	4.49		1.0	0.21
71-55-6	1,1,1-Trichloroethane	5.34		1.0	0.16
79-00-5	1,1,2-Trichloroethane	4.97		1.0	0.27
179601-23-1	m-Xylene & p-Xylene	9.01		2.0	0.34
95-47-6	o-Xylene	4.48		1.0	0.19
79-01-6	Trichloroethene	4.88		1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: LCSD 280-117414/6
Matrix: Water | Lab File ID: P7063.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 09:42
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	5.71		2.0	0.29
96-18-4	1,2,3-Trichloropropane	5.04		2.5	0.33
95-63-6	1,2,4-Trimethylbenzene	4.50		1.0	0.15
106-93-4	1,2-Dibromoethane	4.51		1.0	0.18
108-67-8	1,3,5-Trimethylbenzene	4.50		1.0	0.16
526-73-8	1,2,3-Trimethylbenzene	ND		2.0	0.27
75-01-4	Vinyl chloride	5.79		1.0	0.10
1330-20-7	Xylenes, Total	13.5		2.0	0.19

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-127
2037-26-5	Toluene-d8 (Surr)	96		80-125
460-00-4	4-Bromofluorobenzene (Surr)	91		78-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7063.D
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 27-APR-2012 09:42
Operator : MEIERG Inst ID: P.i
Smp Info : LCSD,,
Misc Info : P7062.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 09:41 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70	Fluorobenzene	96	7.989	7.988	(1.000)	1175552	12.5000		
* 96	Chlorobenzene-d5	119	10.241	10.240	(1.000)	225282	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.129	12.128	(1.000)	316583	12.5000		(Q)
$ 59	Dibromofluoromethane (Surr)	111	7.445	7.438	(0.932)	286538	12.5611	12.5611	
$ 65	1,2-Dichloroethane-d4	65	7.739	7.738	(0.969)	302840	11.8513	11.8513	
$ 84	Toluene-d8	98	9.147	9.146	(0.893)	1195880	12.0408	12.0408	
$ 107	4-Bromofluorobenzene (Surr)	95	11.121	11.127	(0.917)	366130	11.3714	11.3714	
M 1	1,2-Dichloroethene (total)	96				280046	9.64156	9.64156	
M 2	Xylene (total)	106				682303	13.4858	13.4858	
5	dichlorodifluoromethane	85	4.177	4.174	(0.523)	180538	5.22503	5.22503	
6	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7	Chloromethane	50	4.400	4.412	(0.551)	196185	6.28078	6.28078	
8	Vinyl Chloride	62	4.568	4.565	(0.572)	214350	5.79048	5.79048	
9	Ethylene Oxide	43	4.945	4.903	(0.619)	1286	2.12521	2.12521	(Q)
10	Bromomethane	94	4.931	4.942	(0.617)	135455	5.48118	5.48118	
11	Chloroethane	64	5.015	5.012	(0.628)	131656	5.90389	5.90389	
12	Dichlorofluoromethane	67	Compound Not Detected.						
14	Trichlorofluoromethane	101	5.294	5.292	(0.663)	296750	5.70603	5.70603	
13	Ethanol	45	Compound Not Detected.						
15	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17	Ethyl Ether	59	Compound Not Detected.						
16	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
19	Acrolein	56	Compound Not Detected.					
20	Acetone	43	5.722	5.714	(0.716)	199894	85.0616	85.0616(R)
21	Trichlorotrifluoroethane	151	Compound Not Detected.					
22	2-propanol	45	Compound Not Detected.					
23	1,1-Dichloroethene	96	5.737	5.743	(0.718)	146122	4.97173	4.97173
27	Iodomethane	142	5.930	5.929	(0.742)	177457	4.60072	4.60072
26	Acetonitrile	41	6.058	5.972	(0.758)	9777	11.7863	11.7862
28	Methyl Acetate	43	Compound Not Detected.					
31	Carbon Disulfide	76	6.023	6.015	(0.754)	370170	3.39178	3.39178
29	Allyl Chloride	41	Compound Not Detected.					
30	tert-Butyl alcohol	59	6.065	6.065	(0.759)	57047	102.852	102.852
33	Methylene Chloride	84	6.108	6.108	(0.765)	127980	5.25568	5.25568
34	Acrylonitrile	53	Compound Not Detected.					
35	Methyl t-butyl ether	73	6.273	6.272	(0.785)	172362	4.28668	4.28668
36	trans-1,2-Dichloroethene	96	6.323	6.322	(0.791)	147422	4.85294	4.85294
40	Hexane	57	6.480	6.479	(0.633)	209909	4.06523	4.06523
42	Vinyl acetate	43	6.587	6.587	(0.825)	68913	2.85189	2.85189(R)
43	sec-Butyl Alcohol	45	7.088	7.087	(0.887)	53246	101.582	101.582
44	Isopropyl ether	87	Compound Not Detected.					
45	1,1-Dichloroethane	63	6.659	6.658	(0.834)	286919	5.08809	5.08809
47	Chloroprene	53	Compound Not Detected.					
49	ETBE	59	Compound Not Detected.					
51	2-Butanone	43	7.052	7.044	(0.883)	82177	25.5889	25.5889
50	Ethyl Acetate	43	7.052	7.023	(0.883)	82177	7.75723	7.75723(Q)
53	cis-1,2-Dichloroethene	96	7.102	7.094	(0.889)	132624	4.78862	4.78862
52	Propionitrile	54	Compound Not Detected.					
54	2,2-Dichloropropane	77	7.124	7.123	(0.892)	265347	5.46141	5.46140
55	Methacrylonitrile	41	Compound Not Detected.					
56	Bromochloromethane	128	7.302	7.302	(0.914)	41225	5.07760	5.07760
57	Chloroform	83	7.310	7.309	(0.915)	255535	5.37118	5.37118
58	Tetrahydrofuran	42	Compound Not Detected.					
61	1,1,1-Trichloroethane	97	7.524	7.523	(0.942)	264539	5.33942	5.33942
60	Isobutanol	41	Compound Not Detected.					
62	Cyclohexane	56	Compound Not Detected.					
63	1,1-Dichloropropene	75	7.631	7.623	(0.955)	236529	4.79039	4.79039
64	Carbon Tetrachloride	117	7.660	7.659	(0.959)	230874	5.74321	5.74321
66	1,2-Dichloroethane	62	7.803	7.802	(0.977)	151569	6.00809	6.00809
68	Benzene	78	7.817	7.816	(0.979)	526606	4.69680	4.69680
67	TAME	73	Compound Not Detected.					
69	n-Butanol	56	7.982	8.010	(0.999)	10021	38.2590	38.2590
72	Trichloroethene	130	8.268	8.267	(1.035)	135041	4.87800	4.87800
73	2-Pentanone	43	8.311	8.310	(1.040)	39000	6.88575	6.88575
74	Methyl Methacrylate	100	Compound Not Detected.					
75	1,2-Dichloropropane	63	8.454	8.453	(1.058)	110426	4.58498	4.58498
76	Methyl Cyclohexane	55	Compound Not Detected.					
77	1,4-Dioxane	88	Compound Not Detected.					
78	Dibromomethane	93	8.561	8.560	(1.072)	40919	5.07399	5.07398
79	Bromodichloromethane	83	8.625	8.624	(1.080)	147146	5.58224	5.58224
80	2-nitropropane	41	8.747	8.767	(0.854)	1066	0.40988	0.409879(aQ)
81	2-Chloroethyl vinyl ether	63	8.754	8.746	(0.855)	19173	3.22068	3.22068
82	cis-1,3-Dichloropropene	75	8.933	8.925	(0.872)	146991	4.67566	4.67566
83	4-Methyl-2-pentanone	43	8.983	8.982	(0.877)	134333	19.3034	19.3034
85	Toluene	91	9.197	9.196	(1.151)	555041	4.72976	4.72976
87	trans-1,3-Dichloropropene	75	9.297	9.297	(1.164)	114661	5.02524	5.02524
86	Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
88	1,1,2-Trichloroethane	97	9.462	9.461	(1.184)	51197	4.97376	4.97376
89	2-Hexanone	43	9.569	9.568	(1.198)	88303	18.9897	18.9897
90	1,3-Dichloropropane	76	9.605	9.604	(0.938)	102132	4.64271	4.64271
91	Tetrachloroethene	164	9.612	9.611	(0.939)	103290	4.64157	4.64157
92	Dibromochloromethane	129	9.798	9.797	(0.957)	64778	5.24987	5.24987
93	Tetrahydrothiophene	60	Compound Not Detected.					
94	1,2-Dibromoethane	107	9.926	9.926	(0.969)	44663	4.51362	4.51362
95	1-Chlorohexane	91	10.134	10.133	(0.990)	192648	4.34029	4.34029
97	Chlorobenzene	112	10.263	10.262	(1.002)	306629	4.60912	4.60912
98	1,1,1,2-Tetrachloroethane	131	10.298	10.298	(1.006)	97301	5.13006	5.13006
99	Ethylbenzene	106	10.291	10.290	(1.005)	198383	4.56720	4.56720
100	m and p-Xylene	106	10.363	10.369	(1.012)	469966	9.00504	9.00504
102	o-Xylene	106	10.692	10.691	(1.044)	212337	4.48078	4.48078
101	Styrene	104	10.692	10.691	(1.044)	310284	4.66399	4.66399
103	Bromoform	173	10.920	10.920	(1.066)	26041	5.02228	5.02228
104	isopropyl benzene	105	10.956	10.955	(0.903)	662793	4.46314	4.46314
105	cis-1,4-dichloro-2-butene	53	10.956	10.998	(0.903)	10004	3.26917	3.26917(Q)
106	Cyclohexanone	55	11.113	11.113	(1.085)	53556	164.857	164.857
108	1,1,2,2-Tetrachloroethane	83	11.178	11.177	(0.922)	49704	4.62315	4.62315
109	t-1,4-Dichloro-2-butene	53	11.214	11.220	(0.925)	69362	19.9263	19.9263
110	1,2,3-Trichloropropane	110	11.256	11.256	(0.928)	15357	5.03807	5.03807(Q)
112	Bromobenzene	156	11.299	11.299	(0.932)	101887	4.43356	4.43356
111	n-Propylbenzene	120	11.285	11.284	(0.930)	177422	4.36047	4.36047
114	2-Chlorotoluene	126	11.421	11.420	(0.942)	135584	4.45933	4.45933
113	1,3,5-Trimethylbenzene	105	11.399	11.399	(0.940)	521430	4.49735	4.49734
115	4-Chlorotoluene	126	11.500	11.499	(0.948)	129559	4.35801	4.35801
116	tert-Butylbenzene	119	11.707	11.706	(0.965)	522294	4.48630	4.48630
117	1,2,4-Trimethylbenzene	105	11.735	11.735	(0.968)	515723	4.50419	4.50419
119	sec-Butylbenzene	134	11.893	11.892	(0.981)	140038	4.48261	4.48261
120	4-Isopropyltoluene	119	11.986	11.985	(0.988)	575922	4.42110	4.42110
121	1,3-Dichlorobenzene	146	12.079	12.078	(0.996)	226112	4.59564	4.59564
123	1,4-dichlorobenzene	146	12.150	12.149	(1.002)	219575	4.61748	4.61748
124	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
125	n-Butylbenzene	91	12.372	12.371	(1.020)	618626	4.45186	4.45186
127	1,2-Dichlorobenzene	146	12.536	12.536	(1.034)	176920	4.60522	4.60522
128	1,2-Dibromo-3-chloropropane	157	13.337	13.336	(1.100)	6211	5.18738	5.18738
130	1,2,4-Trichlorobenzene	180	14.345	14.345	(1.183)	108026	4.48621	4.48620
131	Hexachlorobutadiene	225	14.488	14.488	(1.195)	94415	4.51132	4.51132
132	Naphthalene	128	14.753	14.752	(1.216)	127820	4.12071	4.12071
133	1,2,3-Trichlorobenzene	180	15.096	15.095	(1.245)	80634	4.51914	4.51914

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: P7063.D

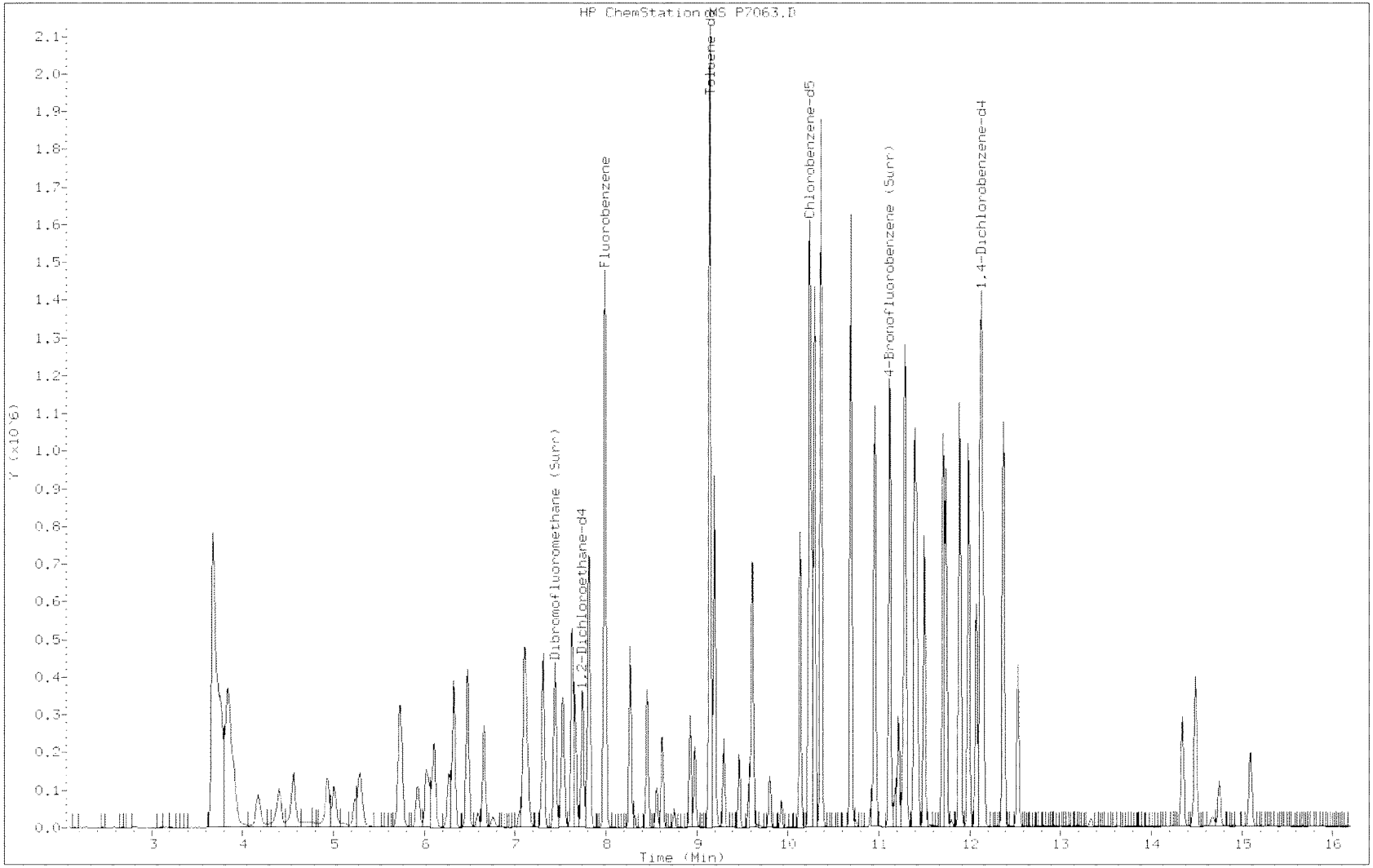
Date: 27-APR-2012 09:42

Client ID: LCSD

Instrument: P.i

Sample Info: LCSD,,

Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117414/9

Matrix: Water | Lab File ID: P7067.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 11:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	Isopropanol	164		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-127
2037-26-5	Toluene-d8 (Surr)	95		80-125
460-00-4	4-Bromofluorobenzene (Surr)	92		78-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7067.D
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 27-APR-2012 11:02
Operator : MEIERG Inst ID: P.i
Smp Info : LCSD,,IPA
Misc Info : P7066.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 10:25 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-IPA.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1140506	12.5000		
* 96 Chlorobenzene-d5	119	10.241	10.240	(1.000)	215194	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	287853	12.5000		(Q)
$ 59 Dibromofluoromethane (Surr)	111	7.438	7.438	(0.931)	276637	12.4997	12.4997	
$ 65 1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	296880	11.9751	11.9751	
$ 84 Toluene-d8	98	9.147	9.146	(0.893)	1127315	11.8826	11.8826	
$ 107 4-Bromofluorobenzene (Surr)	95	11.127	11.127	(0.917)	338188	11.5519	11.5519	
22 2-propanol	45	5.729	5.736	(0.717)	81442	163.665	163.665	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: P7067.D

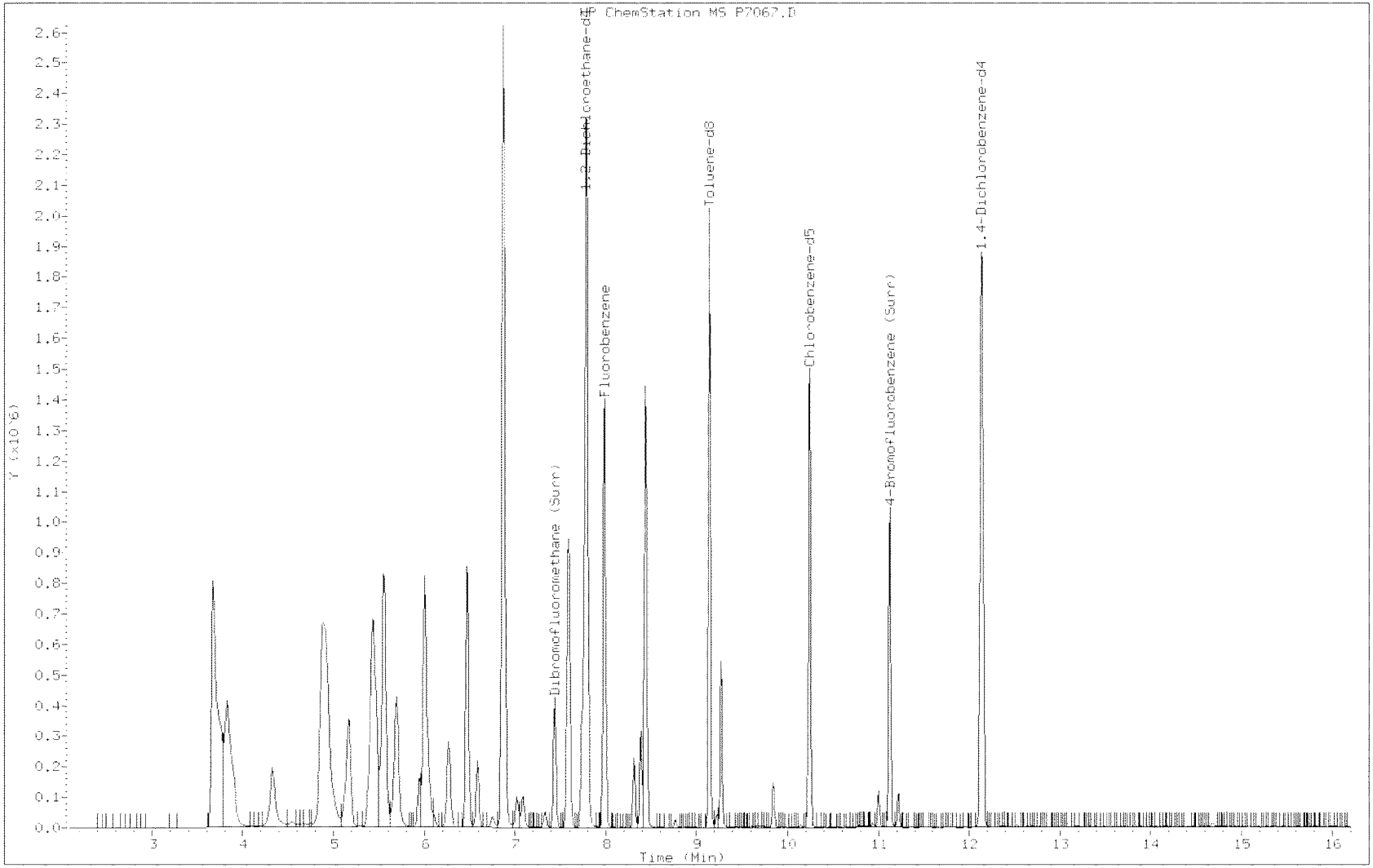
Date: 27-APR-2012 11:02

Client ID: LCSD

Instrument: P.i

Sample Info: LCSD,,IPA

Operator: MEIERG



EPAPAV0011748

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: 280-28131-E-12 MS
Matrix: Water | Lab File ID: P7079.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 14:56
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	261		10	1.9
107-13-1	Acrylonitrile	22.0		20	1.4
71-43-2	Benzene	5.11		1.0	0.16
108-86-1	Bromobenzene	4.57		1.0	0.17
74-97-5	Bromochloromethane	4.85		1.0	0.10
75-27-4	Bromodichloromethane	5.70		1.0	0.17
75-25-2	Bromoform	4.94		1.0	0.19
74-83-9	Bromomethane	4.77		2.0	0.21
78-93-3	2-Butanone (MEK)	167		6.0	2.0
75-15-0	Carbon disulfide	3.18		2.0	0.45
56-23-5	Carbon tetrachloride	5.67		1.0	0.19
108-90-7	Chlorobenzene	4.65		1.0	0.17
124-48-1	Chlorodibromomethane	4.95		1.0	0.17
75-00-3	Chloroethane	5.09		2.0	0.41
67-66-3	Chloroform	5.32		1.0	0.16
74-87-3	Chloromethane	23.6		2.0	0.30
107-05-1	Allyl chloride	26.1		2.0	0.17
95-49-8	2-Chlorotoluene	4.52		1.0	0.17
106-43-4	4-Chlorotoluene	4.45		1.0	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	5.10		5.0	0.47
74-95-3	Dibromomethane	5.32		1.0	0.17
95-50-1	1,2-Dichlorobenzene	4.67		1.0	0.15
541-73-1	1,3-Dichlorobenzene	4.65		1.0	0.13
106-46-7	1,4-Dichlorobenzene	4.67		1.0	0.16
75-71-8	Dichlorodifluoromethane	5.13		2.0	0.31
75-34-3	1,1-Dichloroethane	5.14		1.0	0.22
107-06-2	1,2-Dichloroethane	5.96		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	5.08		1.0	0.15
75-35-4	1,1-Dichloroethene	5.20		1.0	0.23
78-87-5	1,2-Dichloropropane	7.53		1.0	0.18
142-28-9	1,3-Dichloropropane	4.76		1.0	0.22
594-20-7	2,2-Dichloropropane	5.64		1.0	0.18
10061-01-5	cis-1,3-Dichloropropene	4.75		1.0	0.16
563-58-6	1,1-Dichloropropene	5.48		1.0	0.19
64-17-5	Ethanol	ND		300	94
637-92-3	Ethyl tert-butyl ether	ND		5.0	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: 280-28131-E-12 MS
Matrix: Water | Lab File ID: P7079.D
Analysis Method: 8260B | Date Collected:
Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 14:56
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	4.67		1.0	0.16
60-29-7	Ethyl ether	ND		2.0	0.26
87-68-3	Hexachlorobutadiene	4.85		1.0	0.36
591-78-6	2-Hexanone	19.0		5.0	1.7
74-88-4	Iodomethane	4.66		1.0	0.23
78-83-1	Isobutanol	28800		110	37
67-63-0	Isopropanol	61.0		40	13
98-82-8	Isopropylbenzene	4.46		1.0	0.19
108-20-3	Diisopropyl ether	ND		10	0.74
126-98-7	Methacrylonitrile	3.97	J	10	1.6
75-09-2	Methylene Chloride	5.71		2.0	0.32
71-36-3	n-Butanol	59.0	J	60	17
108-10-1	4-Methyl-2-pentanone (MIBK)	20.5		5.0	0.98
104-51-8	n-Butylbenzene	4.66		1.0	0.32
1634-04-4	Methyl tert-butyl ether	4.76	J	5.0	0.25
91-20-3	Naphthalene	4.74		1.0	0.22
103-65-1	N-Propylbenzene	4.40		1.0	0.16
99-87-6	p-Isopropyltoluene	4.57		1.0	0.20
135-98-8	sec-Butylbenzene	4.72		1.0	0.17
100-42-5	Styrene	4.95		1.0	0.17
994-05-8	Tert-amyl methyl ether	ND		5.0	1.4
75-65-0	tert-Butyl alcohol	105		50	11
98-06-6	tert-Butylbenzene	4.40		1.0	0.16
630-20-6	1,1,1,2-Tetrachloroethane	4.99		1.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	2.39		1.0	0.21
127-18-4	Tetrachloroethene	4.74		1.0	0.20
108-88-3	Toluene	5.04		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	5.00		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	5.18		3.0	0.19
87-61-6	1,2,3-Trichlorobenzene	5.00		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	5.00		1.0	0.21
71-55-6	1,1,1-Trichloroethane	5.28		1.0	0.16
79-00-5	1,1,2-Trichloroethane	12.5		1.0	0.27
179601-23-1	m-Xylene & p-Xylene	9.54		2.0	0.34
95-47-6	o-Xylene	4.73		1.0	0.19
79-01-6	Trichloroethene	7.18		1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-E-12 MS

Matrix: Water | Lab File ID: P7079.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	4.98		2.0	0.29
96-18-4	1,2,3-Trichloropropane	4.96		2.5	0.33
95-63-6	1,2,4-Trimethylbenzene	4.59		1.0	0.15
106-93-4	1,2-Dibromoethane	4.77		1.0	0.18
108-67-8	1,3,5-Trimethylbenzene	4.56		1.0	0.16
526-73-8	1,2,3-Trimethylbenzene	ND		2.0	0.27
75-01-4	Vinyl chloride	5.10		1.0	0.10
1330-20-7	Xylenes, Total	14.3		2.0	0.19

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-127
2037-26-5	Toluene-d8 (Surr)	97		80-125
460-00-4	4-Bromofluorobenzene (Surr)	88		78-120
1868-53-7	Dibromofluoromethane (Surr)	91		77-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7079.D
Lab Smp Id: 280-28131-ci-4 MS
Inj Date : 27-APR-2012 14:56
Operator : MEIERG Inst ID: P.i
Smp Info : 280-28131-ci-4 MS,,PH=10
Misc Info : P7078.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70	Fluorobenzene	96	7.981	7.988	(1.000)	1279586	12.5000		
* 96	Chlorobenzene-d5	119	10.233	10.240	(1.000)	251037	12.5000		
* 122	1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	363513	12.5000		(Q)
$ 59	Dibromofluoromethane (Surr)	111	7.437	7.438	(0.932)	283574	11.4205	11.4205	
$ 65	1,2-Dichloroethane-d4	65	7.738	7.738	(0.970)	332326	11.9479	11.9479	
$ 84	Toluene-d8	98	9.139	9.146	(0.893)	1336671	12.0776	12.0776	
$ 107	4-Bromofluorobenzene (Surr)	95	11.120	11.127	(0.917)	407983	11.0354	11.0354	
M 1	1,2-Dichloroethene (total)	96				318597	10.0837	10.0837	
M 2	Xylene (total)	106				804198	14.2633	14.2633	
5	dichlorodifluoromethane	85	4.161	4.174	(0.521)	193079	5.13367	5.13366	
6	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7	Chloromethane	50	4.356	4.412	(0.546)	802835	23.6127	23.6127	(R)
8	Vinyl Chloride	62	4.552	4.565	(0.570)	205592	5.10234	5.10234	
9	Ethylene Oxide	43	Compound Not Detected.						
10	Bromomethane	94	4.929	4.942	(0.618)	128313	4.77004	4.77004	
11	Chloroethane	64	4.998	5.012	(0.626)	123656	5.09431	5.09431	
12	Dichlorofluoromethane	67	5.096	5.183	(0.639)	23780	0.31287	0.312871	(a)
14	Trichlorofluoromethane	101	5.278	5.292	(0.661)	281840	4.97872	4.97872	
13	Ethanol	45	Compound Not Detected.						
15	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17	Ethyl Ether	59	Compound Not Detected.						
16	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
19	Acrolein	56	5.743	5.614	(0.720)	138915	118.639	118.639
20	Acetone	43	5.736	5.714	(0.719)	649323	261.451	261.451(AR)
21	Trichlorotrifluoroethane	151	Compound Not Detected.					
22	2-propanol	45	5.721	5.736	(0.717)	34046	60.9819	60.9818(Q)
23	1,1-Dichloroethene	96	5.728	5.743	(0.718)	166461	5.20328	5.20328
27	Iodomethane	142	5.922	5.929	(0.742)	195503	4.65649	4.65648
26	Acetonitrile	41	5.907	5.972	(0.740)	1175	1.30131	1.30131(aQ)
28	Methyl Acetate	43	Compound Not Detected.					
31	Carbon Disulfide	76	6.007	6.015	(0.753)	377885	3.18096	3.18096
29	Allyl Chloride	41	6.079	6.000	(0.762)	1444415	26.0750	26.0750(Q)
30	tert-Butyl alcohol	59	6.057	6.065	(0.759)	63214	104.705	104.705(Q)
33	Methylene Chloride	84	6.093	6.108	(0.763)	149872	5.71486	5.71486
34	Acrylonitrile	53	6.293	6.272	(0.789)	61591	22.0086	22.0086(Q)
35	Methyl t-butyl ether	73	6.265	6.272	(0.785)	208172	4.75636	4.75636(Q)
36	trans-1,2-Dichloroethene	96	6.315	6.322	(0.791)	165427	5.00290	5.00290
40	Hexane	57	6.465	6.479	(0.632)	1279686	22.2406	22.2406
42	Vinyl acetate	43	6.472	6.587	(0.811)	869448	33.0558	33.0558(R)
43	sec-Butyl Alcohol	45	7.080	7.087	(0.887)	58840	103.127	103.127
44	Isopropyl ether	87	Compound Not Detected.					
45	1,1-Dichloroethane	63	6.651	6.658	(0.833)	315434	5.13898	5.13898
47	Chloroprene	53	Compound Not Detected.					
49	ETBE	59	Compound Not Detected.					
51	2-Butanone	43	7.037	7.044	(0.882)	584383	167.175	167.175(R)
50	Ethyl Acetate	43	7.037	7.023	(0.882)	590767	51.2324	51.2324
53	cis-1,2-Dichloroethene	96	7.094	7.094	(0.889)	153170	5.08082	5.08082
52	Propionitrile	54	7.030	7.123	(0.881)	224836	231.263	231.263(Q)
54	2,2-Dichloropropane	77	7.116	7.123	(0.892)	298036	5.63549	5.63548
55	Methacrylonitrile	41	7.359	7.237	(0.922)	21950	3.97428	3.97428
56	Bromochloromethane	128	7.294	7.302	(0.914)	42895	4.85374	4.85374
57	Chloroform	83	7.302	7.309	(0.915)	275627	5.32248	5.32248
58	Tetrahydrofuran	42	7.309	7.330	(0.916)	1271	0.52806	0.528057(aQ)
61	1,1,1-Trichloroethane	97	7.516	7.523	(0.942)	284993	5.28459	5.28458
60	Isobutanol	41	7.580	7.509	(0.950)	6222556	28824.6	28824.6(AQ)
62	Cyclohexane	56	7.580	7.588	(0.950)	9742592	152.625	152.624(A)
63	1,1-Dichloropropene	75	7.616	7.623	(0.954)	294731	5.48384	5.48384(Q)
64	Carbon Tetrachloride	117	7.659	7.659	(0.960)	248161	5.67134	5.67134
66	1,2-Dichloroethane	62	7.795	7.802	(0.977)	163532	5.95527	5.95527
68	Benzene	78	7.809	7.816	(0.978)	623242	5.10676	5.10676
67	TAME	73	Compound Not Detected.					
69	n-Butanol	56	7.981	8.010	(1.000)	14849	58.9793	58.9793
72	Trichloroethene	130	8.260	8.267	(1.035)	216319	7.17866	7.17866(R)
73	2-Pentanone	43	8.303	8.310	(1.040)	52778	8.56075	8.56075
74	Methyl Methacrylate	100	8.438	8.388	(1.057)	7777	3.76403	3.76403(Q)
75	1,2-Dichloropropane	63	8.446	8.453	(1.058)	197383	7.52919	7.52918(QR)
76	Methyl Cyclohexane	55	8.438	8.439	(1.057)	5369677	95.4330	95.4330(A)
77	1,4-Dioxane	88	Compound Not Detected.					
78	Dibromomethane	93	8.553	8.560	(1.072)	46734	5.32390	5.32390
79	Bromodichloromethane	83	8.617	8.624	(1.080)	163534	5.69955	5.69955
80	2-nitropropane	41	8.739	8.767	(0.854)	13602	4.69342	4.69342(Q)
81	2-Chloroethyl vinyl ether	63	8.746	8.746	(0.855)	25082	3.78101	3.78101
82	cis-1,3-Dichloropropene	75	8.925	8.925	(0.872)	166436	4.75103	4.75103
83	4-Methyl-2-pentanone	43	8.975	8.982	(0.877)	158744	20.4709	20.4709
85	Toluene	91	9.189	9.196	(1.151)	644309	5.04407	5.04407
87	trans-1,3-Dichloropropene	75	9.296	9.297	(1.165)	128574	5.17686	5.17686

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
86	Ethyl methacrylate	69	9.268	9.268	(0.906)	50588	3.27505	3.27505(Q)
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.185)	140048	12.4994	12.4994(R)
89	2-Hexanone	43	9.568	9.568	(1.199)	96036	18.9736	18.9736
90	1,3-Dichloropropane	76	9.597	9.604	(0.938)	116709	4.76105	4.76105
91	Tetrachloroethene	164	9.611	9.611	(0.939)	117546	4.74027	4.74027
92	Dibromochloromethane	129	9.797	9.797	(0.957)	68073	4.95091	4.95091
93	Tetrahydrothiophene	60	Compound Not Detected.					
94	1,2-Dibromoethane	107	9.926	9.926	(0.970)	52646	4.77454	4.77454
95	1-Chlorohexane	91	10.133	10.133	(0.990)	225110	4.55133	4.55133
97	Chlorobenzene	112	10.262	10.262	(1.003)	344605	4.64853	4.64853
98	1,1,1,2-Tetrachloroethane	131	10.297	10.298	(1.006)	105363	4.98519	4.98519
99	Ethylbenzene	106	10.290	10.290	(1.006)	226061	4.67046	4.67046
100	m and p-Xylene	106	10.362	10.369	(1.013)	554540	9.53544	9.53544
102	o-Xylene	106	10.691	10.691	(1.045)	249658	4.72783	4.72783
101	Styrene	104	10.691	10.691	(1.045)	366751	4.94719	4.94718
103	Bromoform	173	10.919	10.920	(1.067)	28562	4.94334	4.94334
104	isopropyl benzene	105	10.955	10.955	(0.903)	760191	4.45813	4.45813
105	cis-1,4-dichloro-2-butene	53	10.955	10.998	(0.903)	11517	3.27772	3.27772(Q)
106	Cyclohexanone	55	11.113	11.113	(1.086)	47119	130.162	130.162
108	1,1,2,2-Tetrachloroethane	83	11.184	11.177	(0.922)	29455	2.38602	2.38602(R)
109	t-1,4-Dichloro-2-butene	53	11.213	11.220	(0.925)	76039	19.0243	19.0243
110	1,2,3-Trichloropropane	110	11.256	11.256	(0.928)	17363	4.96078	4.96078(Q)
112	Bromobenzene	156	11.298	11.299	(0.932)	120520	4.56731	4.56731
111	n-Propylbenzene	120	11.284	11.284	(0.930)	205350	4.39530	4.39530
114	2-Chlorotoluene	126	11.420	11.420	(0.942)	157766	4.51900	4.51900
113	1,3,5-Trimethylbenzene	105	11.399	11.399	(0.940)	607005	4.55953	4.55953
115	4-Chlorotoluene	126	11.499	11.499	(0.948)	151889	4.44954	4.44954
116	tert-Butylbenzene	119	11.706	11.706	(0.965)	588493	4.40232	4.40232
117	1,2,4-Trimethylbenzene	105	11.735	11.735	(0.968)	603528	4.59056	4.59056
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	169161	4.71578	4.71578
120	4-Isopropyltoluene	119	11.985	11.985	(0.988)	683097	4.56685	4.56685
121	1,3-Dichlorobenzene	146	12.078	12.078	(0.996)	262610	4.64838	4.64838
123	1,4-dichlorobenzene	146	12.149	12.149	(1.002)	255247	4.67467	4.67467
124	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
125	n-Butylbenzene	91	12.371	12.371	(1.020)	743160	4.65761	4.65761
127	1,2-Dichlorobenzene	146	12.535	12.536	(1.034)	205811	4.66562	4.66562
128	1,2-Dibromo-3-chloropropane	157	13.336	13.336	(1.100)	6995	5.10301	5.10300
130	1,2,4-Trichlorobenzene	180	14.344	14.345	(1.183)	138214	4.99886	4.99886
131	Hexachlorobutadiene	225	14.487	14.488	(1.195)	116545	4.84980	4.84980
132	Naphthalene	128	14.752	14.752	(1.216)	168834	4.74024	4.74024
133	1,2,3-Trichlorobenzene	180	15.095	15.095	(1.245)	102396	4.99791	4.99791

QC Flag Legend

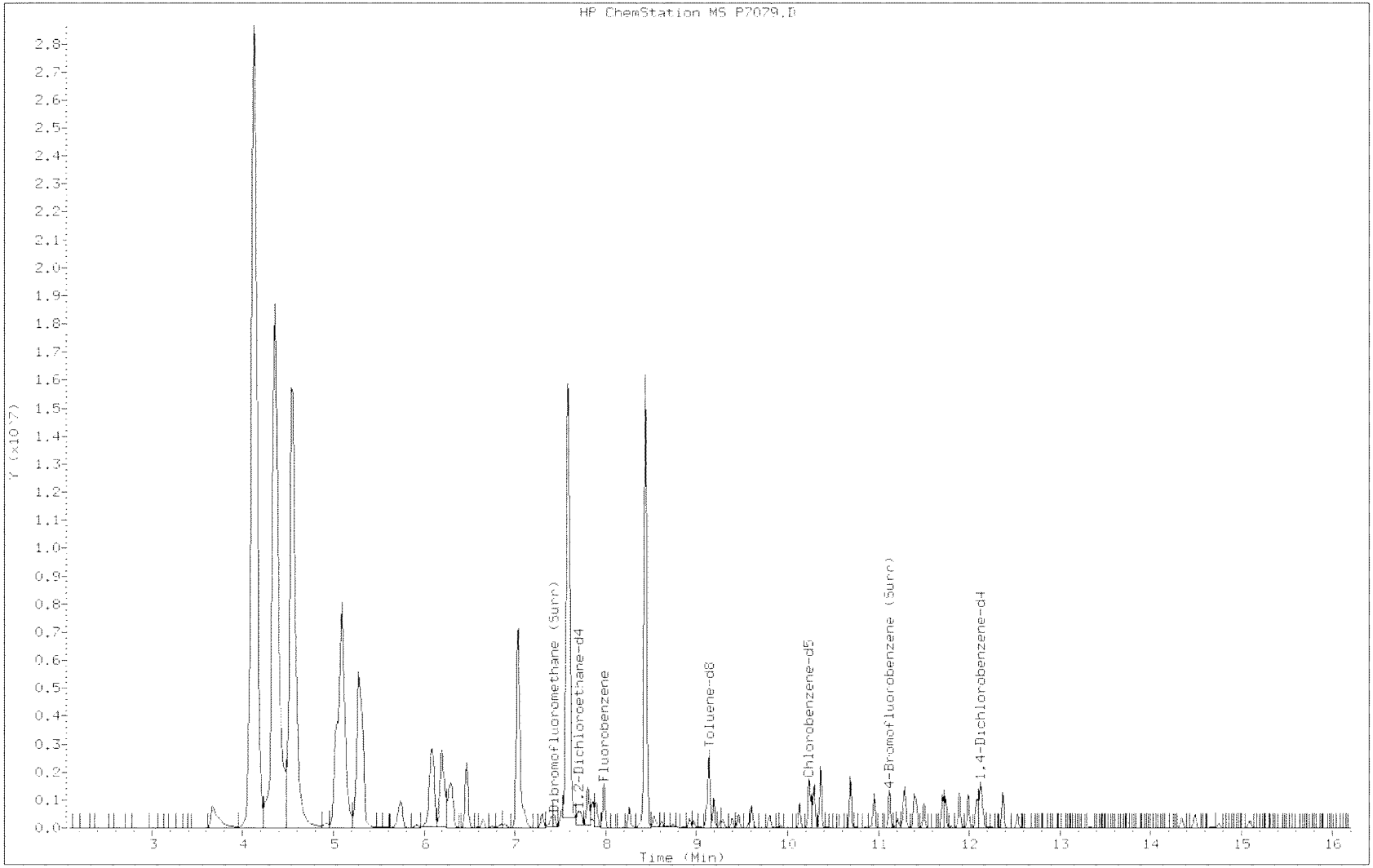
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: P7079.D

Date: 27-APR-2012 14:56

Client ID: Instrument: P.i

Sample Info: 280-28131-ci-4 MS,,PH=10 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-E-12 MSD

Matrix: Water | Lab File ID: P7080.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 15:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	253		10	1.9
107-13-1	Acrylonitrile	20.1		20	1.4
71-43-2	Benzene	5.13		1.0	0.16
108-86-1	Bromobenzene	4.65		1.0	0.17
74-97-5	Bromochloromethane	5.10		1.0	0.10
75-27-4	Bromodichloromethane	5.29		1.0	0.17
75-25-2	Bromoform	4.93		1.0	0.19
74-83-9	Bromomethane	5.20		2.0	0.21
78-93-3	2-Butanone (MEK)	164		6.0	2.0
75-15-0	Carbon disulfide	3.36		2.0	0.45
56-23-5	Carbon tetrachloride	5.56		1.0	0.19
108-90-7	Chlorobenzene	4.74		1.0	0.17
124-48-1	Chlorodibromomethane	5.25		1.0	0.17
75-00-3	Chloroethane	5.61		2.0	0.41
67-66-3	Chloroform	5.29		1.0	0.16
74-87-3	Chloromethane	22.5		2.0	0.30
107-05-1	Allyl chloride	24.6		2.0	0.17
95-49-8	2-Chlorotoluene	4.47		1.0	0.17
106-43-4	4-Chlorotoluene	4.47		1.0	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	5.26		5.0	0.47
74-95-3	Dibromomethane	5.51		1.0	0.17
95-50-1	1,2-Dichlorobenzene	4.79		1.0	0.15
541-73-1	1,3-Dichlorobenzene	4.74		1.0	0.13
106-46-7	1,4-Dichlorobenzene	4.76		1.0	0.16
75-71-8	Dichlorodifluoromethane	5.47		2.0	0.31
75-34-3	1,1-Dichloroethane	5.11		1.0	0.22
107-06-2	1,2-Dichloroethane	5.94		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	5.11		1.0	0.15
75-35-4	1,1-Dichloroethene	5.21		1.0	0.23
78-87-5	1,2-Dichloropropane	7.36		1.0	0.18
142-28-9	1,3-Dichloropropane	4.80		1.0	0.22
594-20-7	2,2-Dichloropropane	5.46		1.0	0.18
10061-01-5	cis-1,3-Dichloropropene	4.82		1.0	0.16
563-58-6	1,1-Dichloropropene	5.36		1.0	0.19
64-17-5	Ethanol	ND		300	94
637-92-3	Ethyl tert-butyl ether	ND		5.0	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-E-12 MSD

Matrix: Water | Lab File ID: P7080.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 15:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	4.74		1.0	0.16
60-29-7	Ethyl ether	ND		2.0	0.26
87-68-3	Hexachlorobutadiene	4.91		1.0	0.36
591-78-6	2-Hexanone	20.8		5.0	1.7
74-88-4	Iodomethane	4.71		1.0	0.23
78-83-1	Isobutanol	27500		110	37
67-63-0	Isopropanol	57.2		40	13
98-82-8	Isopropylbenzene	4.48		1.0	0.19
108-20-3	Diisopropyl ether	ND		10	0.74
126-98-7	Methacrylonitrile	ND		10	1.6
75-09-2	Methylene Chloride	5.89		2.0	0.32
71-36-3	n-Butanol	66.4		60	17
108-10-1	4-Methyl-2-pentanone (MIBK)	21.5		5.0	0.98
104-51-8	n-Butylbenzene	4.66		1.0	0.32
1634-04-4	Methyl tert-butyl ether	4.77	J	5.0	0.25
91-20-3	Naphthalene	4.82		1.0	0.22
103-65-1	N-Propylbenzene	4.40		1.0	0.16
99-87-6	p-Isopropyltoluene	4.49		1.0	0.20
135-98-8	sec-Butylbenzene	4.80		1.0	0.17
100-42-5	Styrene	4.88		1.0	0.17
994-05-8	Tert-amyl methyl ether	ND		5.0	1.4
75-65-0	tert-Butyl alcohol	112		50	11
98-06-6	tert-Butylbenzene	4.48		1.0	0.16
630-20-6	1,1,1,2-Tetrachloroethane	4.87		1.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	0.815	J	1.0	0.21
127-18-4	Tetrachloroethene	4.84		1.0	0.20
108-88-3	Toluene	5.11		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	4.99		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	5.16		3.0	0.19
87-61-6	1,2,3-Trichlorobenzene	5.14		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	4.94		1.0	0.21
71-55-6	1,1,1-Trichloroethane	5.18		1.0	0.16
79-00-5	1,1,2-Trichloroethane	12.1		1.0	0.27
179601-23-1	m-Xylene & p-Xylene	9.54		2.0	0.34
95-47-6	o-Xylene	4.72		1.0	0.19
79-01-6	Trichloroethene	8.26		1.0	0.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-E-12 MSD

Matrix: Water | Lab File ID: P7080.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/27/2012 15:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117414 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	5.30		2.0	0.29
96-18-4	1,2,3-Trichloropropane	5.30		2.5	0.33
95-63-6	1,2,4-Trimethylbenzene	4.61		1.0	0.15
106-93-4	1,2-Dibromoethane	4.92		1.0	0.18
108-67-8	1,3,5-Trimethylbenzene	4.70		1.0	0.16
526-73-8	1,2,3-Trimethylbenzene	ND		2.0	0.27
75-01-4	Vinyl chloride	5.49		1.0	0.10
1330-20-7	Xylenes, Total	14.3		2.0	0.19

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-127
2037-26-5	Toluene-d8 (Surr)	98		80-125
460-00-4	4-Bromofluorobenzene (Surr)	91		78-120
1868-53-7	Dibromofluoromethane (Surr)	90		77-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\042712.B\P7080.D
Lab Smp Id: 280-28131-ci-4 MSD
Inj Date : 27-APR-2012 15:15
Operator : MEIERG Inst ID: P.i
Smp Info : 280-28131-ci-4 MSD,,PH=10
Misc Info : P7079.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\P.i\042712.B\8260B-H2O.m
Meth Date : 27-Apr-2012 11:54 meierg Quant Type: ISTD
Cal Date : 25-APR-2012 11:56 Cal File: P6956.D
Als bottle: 2 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 70 Fluorobenzene	96	7.988	7.988	(1.000)	1362761	12.5000		
* 96 Chlorobenzene-d5	119	10.233	10.240	(1.000)	266166	12.5000		
* 122 1,4-Dichlorobenzene-d4	152	12.128	12.128	(1.000)	379965	12.5000		(Q)
$ 59 Dibromofluoromethane (Surr)	111	7.437	7.438	(0.931)	296205	11.2011	11.2011	
$ 65 1,2-Dichloroethane-d4	65	7.738	7.738	(0.969)	340940	11.5094	11.5094	
$ 84 Toluene-d8	98	9.139	9.146	(0.893)	1441342	12.2831	12.2831	
$ 107 4-Bromofluorobenzene (Surr)	95	11.120	11.127	(0.917)	439125	11.3635	11.3635	
M 1 1,2-Dichloroethene (total)	96				339821	10.1013	10.1013	
M 2 Xylene (total)	106				852506	14.2601	14.2601	
5 dichlorodifluoromethane	85	4.163	4.174	(0.521)	219124	5.47057	5.47056	
6 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7 Chloromethane	50	4.373	4.412	(0.547)	814605	22.4966	22.4966	(R)
8 Vinyl Chloride	62	4.554	4.565	(0.570)	235528	5.48852	5.48852	
9 Ethylene Oxide	43	Compound Not Detected.						
10 Bromomethane	94	4.931	4.942	(0.617)	148926	5.19842	5.19842	
11 Chloroethane	64	5.001	5.012	(0.626)	145066	5.61158	5.61158	
12 Dichlorofluoromethane	67	Compound Not Detected.						
14 Trichlorofluoromethane	101	5.280	5.292	(0.661)	319407	5.29797	5.29797	
13 Ethanol	45	Compound Not Detected.						
15 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.						
17 Ethyl Ether	59	Compound Not Detected.						
16 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
19	Acrolein	56	5.757	5.614	(0.721)	143988	115.466	115.466
20	Acetone	43	5.750	5.714	(0.720)	669122	252.855	252.855(AR)
21	Trichlorotrifluoroethane	151	Compound Not Detected.					
22	2-propanol	45	5.728	5.736	(0.717)	34028	57.2296	57.2296(Q)
23	1,1-Dichloroethene	96	5.735	5.743	(0.718)	177392	5.20653	5.20653
27	Iodomethane	142	5.921	5.929	(0.741)	210415	4.70578	4.70578
26	Acetonitrile	41	6.086	5.972	(0.762)	1452796	1510.76	1510.76(A)
28	Methyl Acetate	43	Compound Not Detected.					
31	Carbon Disulfide	76	6.021	6.015	(0.754)	424945	3.35878	3.35878
29	Allyl Chloride	41	6.086	6.000	(0.762)	1452796	24.6256	24.6256(Q)
30	tert-Butyl alcohol	59	6.057	6.065	(0.758)	72016	112.004	112.004(Q)
33	Methylene Chloride	84	6.100	6.108	(0.764)	163906	5.89000	5.89000
34	Acrylonitrile	53	6.293	6.272	(0.788)	59899	20.0976	20.0976(Q)
35	Methyl t-butyl ether	73	6.272	6.272	(0.785)	222546	4.77443	4.77443(Q)
36	trans-1,2-Dichloroethene	96	6.322	6.322	(0.791)	175602	4.98648	4.98648
40	Hexane	57	6.472	6.479	(0.632)	1357937	22.2591	22.2591
42	Vinyl acetate	43	6.472	6.587	(0.810)	911736	32.5479	32.5479(R)
43	sec-Butyl Alcohol	45	7.080	7.087	(0.886)	68833	113.278	113.278
44	Isopropyl ether	87	Compound Not Detected.					
45	1,1-Dichloroethane	63	6.651	6.658	(0.833)	334322	5.11426	5.11426
47	Chloroprene	53	Compound Not Detected.					
49	ETBE	59	Compound Not Detected.					
51	2-Butanone	43	7.037	7.044	(0.881)	611392	164.227	164.227(R)
50	Ethyl Acetate	43	7.037	7.023	(0.881)	614446	50.0337	50.0337
53	cis-1,2-Dichloroethene	96	7.094	7.094	(0.888)	164219	5.11486	5.11486
52	Propionitrile	54	7.037	7.123	(0.881)	228959	221.130	221.130(Q)
54	2,2-Dichloropropane	77	7.123	7.123	(0.892)	307607	5.46146	5.46146
55	Methacrylonitrile	41	Compound Not Detected.					
56	Bromochloromethane	128	7.301	7.302	(0.914)	47976	5.09734	5.09734
57	Chloroform	83	7.301	7.309	(0.914)	291916	5.29297	5.29297
58	Tetrahydrofuran	42	7.409	7.330	(0.927)	88848	34.6603	34.6603
61	1,1,1-Trichloroethane	97	7.516	7.523	(0.941)	297520	5.18015	5.18015
60	Isobutanol	41	7.587	7.509	(0.950)	6317949	27480.2	27480.2(AQ)
62	Cyclohexane	56	7.587	7.588	(0.950)	10048165	147.804	147.804(A)
63	1,1-Dichloropropene	75	7.623	7.623	(0.954)	306956	5.36271	5.36271(Q)
64	Carbon Tetrachloride	117	7.659	7.659	(0.959)	259210	5.56229	5.56229
66	1,2-Dichloroethane	62	7.795	7.802	(0.976)	173780	5.94221	5.94221
68	Benzene	78	7.809	7.816	(0.978)	666929	5.13119	5.13119
67	TAME	73	Compound Not Detected.					
69	n-Butanol	56	7.981	8.010	(0.999)	17325	66.4374	66.4374
72	Trichloroethene	130	8.259	8.267	(1.034)	265080	8.25991	8.25991(R)
73	2-Pentanone	43	8.310	8.310	(1.040)	61385	9.34913	9.34912
74	Methyl Methacrylate	100	8.438	8.388	(1.056)	8406	3.82014	3.82014(Q)
75	1,2-Dichloropropane	63	8.445	8.453	(1.057)	205388	7.35636	7.35636(QR)
76	Methyl Cyclohexane	55	8.438	8.439	(1.056)	5505834	91.8805	91.8805(A)
77	1,4-Dioxane	88	Compound Not Detected.					
78	Dibromomethane	93	8.553	8.560	(1.071)	51504	5.50918	5.50918
79	Bromodichloromethane	83	8.617	8.624	(1.079)	161548	5.28669	5.28669
80	2-nitropropane	41	8.781	8.767	(0.858)	10603	3.45065	3.45065(Q)
81	2-Chloroethyl vinyl ether	63	8.746	8.746	(0.855)	27798	3.95225	3.95225
82	cis-1,3-Dichloropropene	75	8.924	8.925	(0.872)	178969	4.81841	4.81841
83	4-Methyl-2-pentanone	43	8.974	8.982	(0.877)	176650	21.4851	21.4851
85	Toluene	91	9.196	9.196	(1.151)	694616	5.10600	5.10600
87	trans-1,3-Dichloropropene	75	9.296	9.297	(1.164)	136536	5.16191	5.16191

EPAPAV0011760

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
86	Ethyl methacrylate	69	9.268	9.268	(0.906)	49718	3.03577	3.03577(Q)
88	1,1,2-Trichloroethane	97	9.461	9.461	(1.184)	144866	12.1403	12.1403(R)
89	2-Hexanone	43	9.568	9.568	(1.198)	111949	20.7675	20.7675
90	1,3-Dichloropropane	76	9.597	9.604	(0.938)	124734	4.79920	4.79920
91	Tetrachloroethene	164	9.611	9.611	(0.939)	127274	4.84084	4.84084
92	Dibromochloromethane	129	9.797	9.797	(0.957)	76575	5.25269	5.25269
93	Tetrahydrothiophene	60	Compound Not Detected.					
94	1,2-Dibromoethane	107	9.925	9.926	(0.970)	57509	4.91911	4.91911
95	1-Chlorohexane	91	10.133	10.133	(0.990)	235276	4.48648	4.48648
97	Chlorobenzene	112	10.262	10.262	(1.003)	372482	4.73897	4.73897
98	1,1,1,2-Tetrachloroethane	131	10.297	10.298	(1.006)	109224	4.87413	4.87413
99	Ethylbenzene	106	10.290	10.290	(1.006)	243318	4.74126	4.74126
100	m and p-Xylene	106	10.362	10.369	(1.013)	588196	9.53927	9.53927
102	o-Xylene	106	10.691	10.691	(1.045)	264310	4.72080	4.72080
101	Styrene	104	10.691	10.691	(1.045)	383329	4.87690	4.87690
103	Bromoform	173	10.912	10.920	(1.066)	30184	4.92713	4.92713
104	isopropyl benzene	105	10.955	10.955	(0.903)	797786	4.47603	4.47603
105	cis-1,4-dichloro-2-butene	53	10.955	10.998	(0.903)	11765	3.20332	3.20332(Q)
106	Cyclohexanone	55	11.112	11.113	(1.086)	58395	152.142	152.142
108	1,1,2,2-Tetrachloroethane	83	11.177	11.177	(0.922)	10516	0.81497	0.814970(aR)
109	t-1,4-Dichloro-2-butene	53	11.212	11.220	(0.925)	83110	19.8931	19.8931
110	1,2,3-Trichloropropane	110	11.255	11.256	(0.928)	19381	5.29758	5.29758(Q)
112	Bromobenzene	156	11.298	11.299	(0.932)	128172	4.64698	4.64698
111	n-Propylbenzene	120	11.284	11.284	(0.930)	214675	4.39594	4.39594
114	2-Chlorotoluene	126	11.420	11.420	(0.942)	163098	4.46945	4.46945
113	1,3,5-Trimethylbenzene	105	11.391	11.399	(0.939)	653877	4.69894	4.69894
115	4-Chlorotoluene	126	11.498	11.499	(0.948)	159512	4.47052	4.47052
116	tert-Butylbenzene	119	11.706	11.706	(0.965)	626116	4.48097	4.48097
117	1,2,4-Trimethylbenzene	105	11.734	11.735	(0.968)	633276	4.60827	4.60826
119	sec-Butylbenzene	134	11.892	11.892	(0.981)	180110	4.80360	4.80360
120	4-Isopropyltoluene	119	11.985	11.985	(0.988)	701514	4.48690	4.48690
121	1,3-Dichlorobenzene	146	12.078	12.078	(0.996)	280178	4.74461	4.74461
123	1,4-dichlorobenzene	146	12.149	12.149	(1.002)	271501	4.75705	4.75705
124	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
125	n-Butylbenzene	91	12.371	12.371	(1.020)	776380	4.65513	4.65513
127	1,2-Dichlorobenzene	146	12.535	12.536	(1.034)	220834	4.78942	4.78942
128	1,2-Dibromo-3-chloropropane	157	13.343	13.336	(1.100)	7571	5.25618	5.25618(Q)
130	1,2,4-Trichlorobenzene	180	14.337	14.345	(1.182)	142876	4.94372	4.94372
131	Hexachlorobutadiene	225	14.487	14.488	(1.195)	123440	4.91430	4.91430
132	Naphthalene	128	14.752	14.752	(1.216)	179386	4.81843	4.81843
133	1,2,3-Trichlorobenzene	180	15.088	15.095	(1.244)	110141	5.14317	5.14317

QC Flag Legend

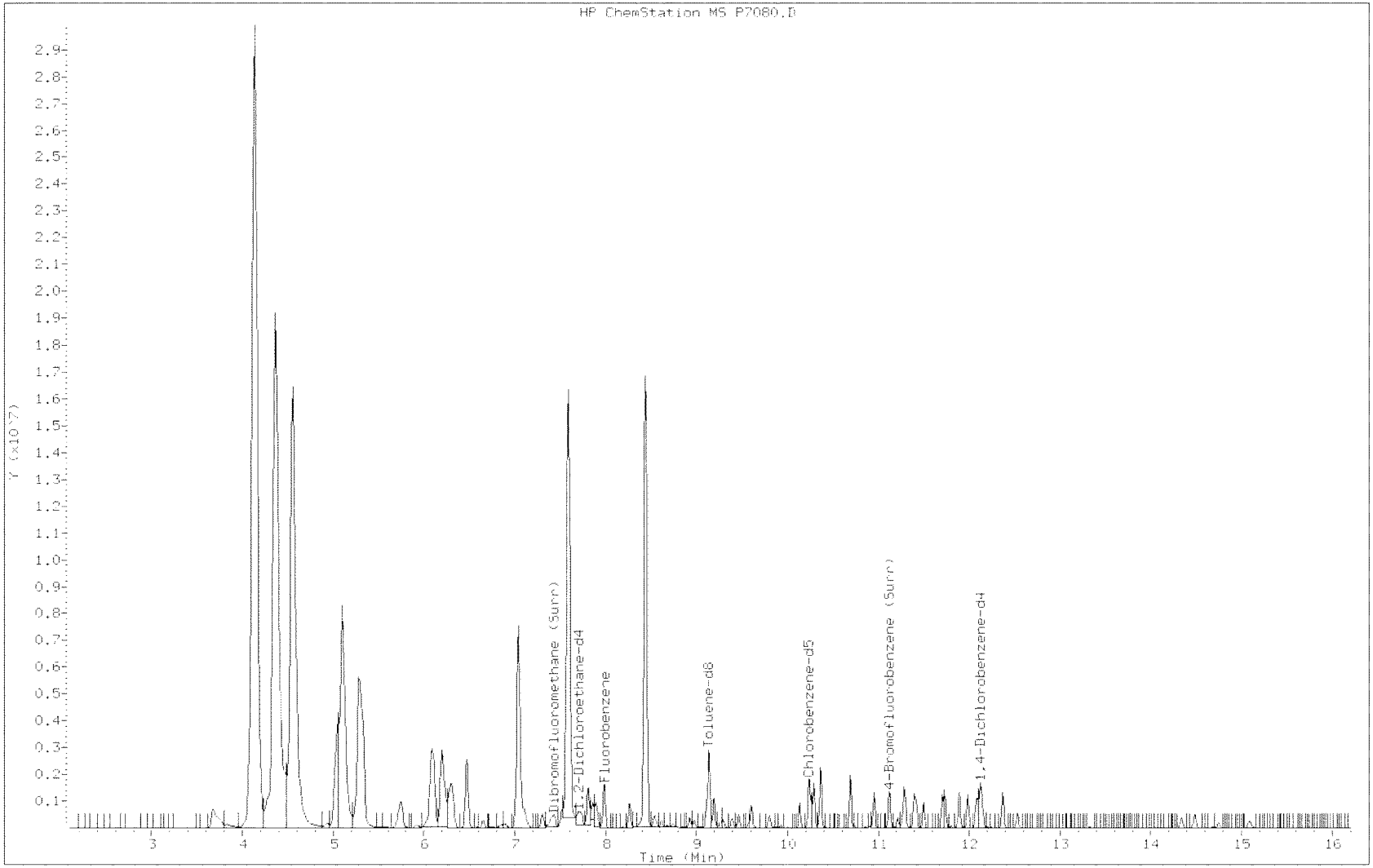
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: P7080.D

Date: 27-APR-2012 15:15

Client ID: Instrument: P.i

Sample Info: 280-28131-ci-4 MSD,,PH=10 Operator: MEIERG



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSV_P Start Date: 04/17/2012 08:45

Analysis Batch Number: 115881 End Date: 04/17/2012 15:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-115881/1		04/17/2012 08:45	1	P6750.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/2		04/17/2012 09:07	1	P6751.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/3		04/17/2012 09:41	1	P6752.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/4		04/17/2012 10:00	1	P6753.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/5		04/17/2012 10:20	1	P6754.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/6		04/17/2012 10:39	1	P6755.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/7		04/17/2012 10:59	1	P6756.D	DB-624 (60.25) 0.25(mm)
ICV 280-115881/8		04/17/2012 11:20	1	P6757.D	DB-624 (60.25) 0.25(mm)
IC 280-115881/9		04/17/2012 11:40	1		DB-624 (60.25) 0.25(mm)
IC 280-115881/10		04/17/2012 11:59	1		DB-624 (60.25) 0.25(mm)
IC 280-115881/11		04/17/2012 12:19	1		DB-624 (60.25) 0.25(mm)
ICIS 280-115881/12		04/17/2012 12:38	1		DB-624 (60.25) 0.25(mm)
IC 280-115881/13		04/17/2012 12:58	1		DB-624 (60.25) 0.25(mm)
IC 280-115881/14		04/17/2012 13:17	1		DB-624 (60.25) 0.25(mm)
ICV 280-115881/15		04/17/2012 13:37	1		DB-624 (60.25) 0.25(mm)
280-27467-A-7 MDLV		04/17/2012 13:56	1		DB-624 (60.25) 0.25(mm)
280-27467-A-8 MDLV		04/17/2012 14:16	1		DB-624 (60.25) 0.25(mm)
280-27467-A-9 MDLV		04/17/2012 14:35	1		DB-624 (60.25) 0.25(mm)
280-27467-A-10 MDLV		04/17/2012 14:55	1		DB-624 (60.25) 0.25(mm)
280-27467-A-11 MDLV		04/17/2012 15:14	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSV_P Start Date: 04/18/2012 07:13

Analysis Batch Number: 115994 End Date: 04/18/2012 19:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-115994/1		04/18/2012 07:13	1	P6807.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/2		04/18/2012 07:36	1	P6808.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/3		04/18/2012 07:55	1	P6809.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/4		04/18/2012 08:15	1	P6810.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/5		04/18/2012 08:34	1	P6811.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/6		04/18/2012 08:53	1	P6812.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/7		04/18/2012 09:13	1	P6813.D	DB-624 (60.25) 0.25(mm)
IC 280-115994/8		04/18/2012 09:32	1	P6814.D	DB-624 (60.25) 0.25(mm)
ICV 280-115994/9		04/18/2012 10:18	1	P6815.D	DB-624 (60.25) 0.25(mm)
ICV 280-115994/10		04/18/2012 10:38	1	P6816.D	DB-624 (60.25) 0.25(mm)
ICV 280-115994/11		04/18/2012 10:57	1	P6817.D	DB-624 (60.25) 0.25(mm)
CCV 280-115994/24		04/18/2012 11:17	1		DB-624 (60.25) 0.25(mm)
CCV 280-115994/25		04/18/2012 11:36	1		DB-624 (60.25) 0.25(mm)
280-27467-A-1 MDLV		04/18/2012 11:56	1		DB-624 (60.25) 0.25(mm)
280-27467-A-2 MDLV		04/18/2012 12:16	1		DB-624 (60.25) 0.25(mm)
280-27467-A-3 MDLV		04/18/2012 12:35	1		DB-624 (60.25) 0.25(mm)
280-27467-A-4 MDLV		04/18/2012 12:55	1		DB-624 (60.25) 0.25(mm)
280-27467-A-5 MDLV		04/18/2012 13:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 13:34	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 13:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 15:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 15:36	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 16:15	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 17:05	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 17:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 17:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 18:03	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 18:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 18:42	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/18/2012 19:02	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSV_P Start Date: 04/25/2012 09:50

Analysis Batch Number: 117042 End Date: 04/25/2012 21:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-117042/1		04/25/2012 09:50	1	P6949.D	DB-624 (60.25) 0.25(mm)
CCV 280-117042/2		04/25/2012 09:59	1		DB-624 (60.25) 0.25(mm)
IC 280-117042/3		04/25/2012 10:19	1	P6951.D	DB-624 (60.25) 0.25(mm)
IC 280-117042/4		04/25/2012 10:38	1	P6952.D	DB-624 (60.25) 0.25(mm)
IC 280-117042/5		04/25/2012 10:58	1	P6953.D	DB-624 (60.25) 0.25(mm)
ICIS 280-117042/6		04/25/2012 11:17	1	P6954.D	DB-624 (60.25) 0.25(mm)
IC 280-117042/7		04/25/2012 11:37	1	P6955.D	DB-624 (60.25) 0.25(mm)
IC 280-117042/8		04/25/2012 11:56	1	P6956.D	DB-624 (60.25) 0.25(mm)
ICV 280-117042/9		04/25/2012 12:16	1	P6957.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 12:35	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 12:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 13:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 13:34	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 13:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 14:13	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 14:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 14:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 15:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 15:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 15:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 16:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 16:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 16:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 17:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 17:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 17:48	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 18:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 18:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 18:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 19:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 19:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 19:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 20:05	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 20:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 20:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2012 21:03	1		DB-624 (60.25) 0.25(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSV_P Start Date: 04/27/2012 08:15

Analysis Batch Number: 117414 End Date: 04/27/2012 19:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-117414/1		04/27/2012 08:15	1	P7058.D	DB-624 (60.25) 0.25(mm)
CCV 280-117414/2		04/27/2012 08:24	1	P7059.D	DB-624 (60.25) 0.25(mm)
CCV 280-117414/3		04/27/2012 08:43	1	P7060.D	DB-624 (60.25) 0.25(mm)
CCV 280-117414/4		04/27/2012 09:02	1	P7061.D	DB-624 (60.25) 0.25(mm)
LCS 280-117414/5		04/27/2012 09:22	1	P7062.D	DB-624 (60.25) 0.25(mm)
LCSD 280-117414/6		04/27/2012 09:42	1	P7063.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 10:01	1		DB-624 (60.25) 0.25(mm)
LCS 280-117414/8		04/27/2012 10:42	1	P7066.D	DB-624 (60.25) 0.25(mm)
LCSD 280-117414/9		04/27/2012 11:02	1	P7067.D	DB-624 (60.25) 0.25(mm)
MB 280-117414/10		04/27/2012 11:22	1	P7068.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 11:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 12:00	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 12:20	1		DB-624 (60.25) 0.25(mm)
280-28076-2	MW02 (UNPRESERVED)	04/27/2012 12:39	1	P7072.D	DB-624 (60.25) 0.25(mm)
280-28076-1	MW02	04/27/2012 12:59	1	P7073.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 13:38	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 13:57	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 14:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 14:36	1		DB-624 (60.25) 0.25(mm)
280-28131-E-12 MS		04/27/2012 14:56	1	P7079.D	DB-624 (60.25) 0.25(mm)
280-28131-E-12 MSD		04/27/2012 15:15	1	P7080.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 15:35	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 15:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 16:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 16:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 16:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 17:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 17:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 17:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 18:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 18:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 18:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 19:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 19:28	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/27/2012 19:48	1		DB-624 (60.25) 0.25(mm)

8260B

GC/MS VOA Continuing Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: P 4/27/12

Check Method Used: Analysis ☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?			✓	✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: [signature] Date: 4/28/12

2nd Level Reviewer: [signature] Date: 4/28/12

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: P

Sequence Name: C:\HPCHEM\1\SEQUENCE\042712.S
Comment:
Operator: MEIERG
Data Path: C:\HPCHEM\1\DATA\042712.b\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Comments:

ISS/MSVOA #: N/A

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 0815 - 1948

Target Batch (Directory)

Lims Batch :

Lot #	Line	Type	Vial	DataFile	Method	Sample Name	IS OK	SS OK	DIL OK	24 hr 12 hr	pH	Comments	ALS
	1	Sample	100	P7058	BFB	BFB,,						BFB [X] mv-BFB_07	
	2	Sample	1	P7059	8260B	CCV,,M						MAIN CCV	
	3	Sample	2	P7060	8260B	CCV,,S						[X] Mv-main_023 [X] mv-main gas_027 [ ] mv-BO mix B_8	
	4	Sample	3	P7061	8260B	CCV,,F114						SUPP CCV	
	5	Sample	4	P7062	8260B	LCS,,						[X] mv-supp_021 [X] mv- 2 cleve_09 [ ] Mv-F114_01	
	6	Sample	5	P7063	8260B	LCSD,,						ICV/LCS/LCSD/MS/MSD	
	7	Sample	6	P7064	8260B	LCS,,IPA > WRONG CONC.						[X] mv-524 A_013 [X] mv-624 A_015 [X] mv-SS Gas/ke_018 [ ] mv-secsrc B_05 [ ] mv-Secsrc C_015 [ ] mv-SS Supp_11 [ ] mv-SS 2 Cleve_05 [ ] mv-BO mix A_8 [ ] mv-Acrol/Acryl_021	
	8	Sample	7	P7065	8260B	LCSD,,IPA						[X] mv-Archon IS_462 [X] mv-Archon SS_571	
	9	Sample	8	P7066	8260B	LCS,,IPA							
	10	Sample	9	P7067	8260B	LCSD,,IPA							
	11	Sample	10	P7068	8260B	MB,,AF							
	12	Sample	11	P7069	8260B	280-27933-a-1,,PH=7							
	13	Sample	12	P7070	8260B	280-27933-a-6,,PH=7							
	14	Sample	13	P7071	8260B	280-27933-a-1,4,PH=7							
	15	Sample	14	P7072	8260B	280-28076-ag-1,1,PH=7							
	16	Sample	15	P7073	8260B	280-28076-w-1,1,PH<2							
	17	Sample	16	P7074	8260B	280-28131-ag-1,,PH=10							
	18	Sample	17	P7075	8260B	280-28131-t-2,,PH=10							
	19	Sample	18	P7076	8260B	280-28131-ag-1,,PH=10							
	20	Sample	19	P7077	8260B	280-28131-ag-3,,PH=10							
	21	Sample	20	P7078	8260B	280-28131-ch-4,,PH=10							
	22	Sample	21	P7079	8260B	280-28131-ci-4 MS,,PH=10							
	23	Sample	22	P7080	8260B	280-28131-ci-4 MSD,,PH=10							
	24	Sample	23	P7081	8260B	280-28131-ah-5,,PH=7							
	25	Sample	24	P7082	8260B	280-28131-af-6,,PH=7							
	26	Sample	25	P7083	8260B	280-28131-p-7,,PH=7							
	27	Sample	26	P7084	8260B	280-28131-o-8,,PH=7							
	28	Sample	27	P7085	8260B	280-28131-t-1,,PH<2							
	29	Sample	28	P7086	8260B	280-28131-h-2,,PH<2							
	30	Sample	29	P7087	8260B	280-28131-v-3,,PH<2							
	31	Sample	30	P7088	8260B	280-28131-bd-4,,PH<2							
	32	Sample	31	P7089	8260B	280-28131-bf-4 MS,,PH<2							
	33	Sample	32	P7090	8260B	280-28131-bf-4 MSD,,PH<2							
	34	Sample	33	P7091	8260B	280-28131-t-5,,PH<2							
	35	Sample	34	P7092	8260B	280-28131-u-6,,PH<2							
	36	Sample	35	P7093	8260B	280-28131-e-7,,PH<2							
	37	Sample	36	P7094	8260B	280-28131-e-8,,PH<2							

4/30/12

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

MAIN - A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

EPAPAV0011769

Instrument ID and Date: P 041812
Calibration Event 9103 Batch 115994 / 9-11

Check Method Used: Analysis ☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA _

VOA Preparation_ ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	x			✓	
2. ICAL date and instrument ID verified?	x			✓	
3. Does the Form VI match the data in the Target source method?	x			✓	
4. Sufficient number of calibration points used?	x			✓	
5. Reasons for removal of points documented?	x			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	x			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			x	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	x			✓	
9. Isomeric pairs checked for correct peak assignment?	x			✓	
10. Data checked for detector saturation?	x			✓	
11. Standards traceability properly documented?	x			✓	
12. Manual integrations documented and checked?			x	N/A	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects; 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	x			✓	All below 20% unless noted below: tert-butyl alcohol +25.2%

1st Level Reviewer: _____ Date: 4/18/12

2nd Level Reviewer: _____ Date: 4/19/12

GC/MS TALS Initial Calibration Review Checklist MAIN-A *TestAmerica*
Denver

Instrument ID and Date: P 041612 ICAL Event 9103 ICAL Batch/ICV lines 115994 / 9-11
2nd day Batch /ICV lines _____

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____
☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	---- Level 1 ---- Yes	No	N/A	Level 2	Comments
TALS Initial Calibration					
1. BFB / ICAL standards entered with correct volumes	✓			✓	
2. Label number of standards used recorded	✓			✓	
3. ICV(s) standards entered	✓			✓	
4. Internal Standard/ Surrogate entered	✓			✓	
5. Sample Volumes entered	✓			✓	
6. ICAL locked and matches Target Initial calibration report	✓			✓	
7. Calibration batch recorded	✓			✓	
8. ICV line reference recorded	✓			✓	
9. Active ICV (s) Main & Supp linked to ICIS	✓			✓	
10. Raw data attached (paper clip report)	✓			✓	

1st Level Reviewer: _____ Date: 4/16/12
2nd Level Reviewer: _____ Date: 4/19/12

Revision 2
3/16/2011
G:\QA\Edit\Forms\Data Review\GCMS TALS ICAL

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: P

All IS and SS are within control unless noted.

Comment:

```
Sequence Name: C:\HPCHEM\1\SEQUENCE\041812.S
      Comment:
     Operator: ILCZYSZD
    Data Path: C:\HPCHEM\1\DATA\041812.b\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run      On A Barcode Mismatch
 (X) Full Method              (X) Inject Anyway
 ( ) Reprocessing Only        ( ) Don't Inject
```

115 494

ISS/MSVOA #: See below

DEN-MS-0010 (~~8260B~~/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 7:13 - 19:02

Lims Batch: 115494

Target Bat

Line	Type	Vial	DataFile	Method	Sample Name	Comments	ALS
1	Sample	50	P6803	8260B	PRIMER		
2	Sample	51	P6804	8260B	PRIMER		
3	Sample	100	P6805	BFB	BFB,,		
4	Sample	100	P6806	BFB	BFB,,		
5	Sample	100	P6807	BFB	BFB,, 7:13		
6	Sample	10	P6808	8260B	IC,,M0.3		
7	Sample	11	P6809	8260B	IC,,M001		
8	Sample	12	P6810	8260B	IC,,M002		
9	Sample	13	P6811	8260B	IC,,M005		
10	Sample	14	P6812	8260B	IC,,M010		
11	Sample	15	P6813	8260B	IC,MS030		
12	Sample	16	P6814	8260B	IC,,M060		
13	Sample	17	P6815	8260B	ICV,,MB		
14	Sample	18	P6816	8260B	ICV,,MC		
15	Sample	19	P6817	8260B	ICV,,MA		
16	Sample	20	P6818	8260B	CCV,,S-F114		
17	Sample	21	P6819	8260B	CCV,,F114		
18	Sample	22	P6820	8260B	280-27467-a-1 mdlv		
19	Sample	23	P6821	8260B	280-27467-a-2 mdlv		
20	Sample	24	P6822	8260B	280-27467-a-3 mdlv		
21	Sample	25	P6823	8260B	280-27467-a-4 mdlv		
22	Sample	26	P6824	8260B	280-27467-a-5 mdlv		
23	Sample	27	P6825	8260B	MB,,		
24	Sample	28	P6826	8260B	LCS,,		
25	Sample	29	P6827	8260B	280-27588-b-13,,pH<2		
26	Sample	30	P6828	8260B	LCSD,,		
27	Sample	31	P6829	8260B	280-27588-f-1,,pH<2		
28	Sample	32	P6830	8260B	280-27588-e-2,,pH<2		
29	Sample	33	P6831	8260B	280-27588-d-3,,pH<2		
30	Sample	34	P6832	8260B	280-27588-e-4,,pH<2		
31	Sample	35	P6833	8260B	280-27588-f-5,,pH<2		
32	Sample	36	P6834	8260B	280-27588-e-6,,pH<2		
33	Sample	37	P6835	8260B	280-27588-e-7,,pH<2		
34	Sample	38	P6836	8260B	280-27588-f-8,,pH<2 19:02		
35	Sample	39	P6837	8260B	280-27588-f-9,,pH<2 outside limits (RA)		
36	Sample	40	P6838	8260B	280-27588-d-10,,pH<2		
37	Sample	41	P6839	8260B	280-27588-f-11,,pH<2		

MAIN CCV
- [X] mv-bfb_0000 7

SUPP CCV
- [X] mv-main_000 23
- [X] mv-main gas_000 27
- [X] mv-supp_000 22
- [X] mv- 2 cleve_000 9

ICV/LCS/MS/MSD
- [X] mv-524 a_000 12
- [ ] mv-624 a_000
- [X] mv-SS Gas/ke_000 19
- [X] mv-secsrc B_000 6
- [X] mv-Secsrc C_000 5
- [ ] mv-SS Supp_000
- [ ] mv-SS 2 Cleve_000
- [X] mv-acrol/acry_000 2
- [ ] mv-f114_0000
- [ ] mv-IS/SS_000
- [X] mv-Archon IS_00 497
- [X] mv-Archon SS_00 616

*Run rejected because of poor purge or QC issue. Do not report.

EPAPAV0011771

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: P 4/25/12 Supp
Calibration Event 9175 Batch 117042 6/9

Check Method Used: Analysis ☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA _

VOA Preparation_ ☐ 5mL ☑ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	✓	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: CM Date: 4/26/12

2nd Level Reviewer: [illegible] Date: 4/26/12

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: P

Sequence Name: C:\HPCHEM\1\SEQUENCE\042512I.S
Comment:
Operator: MEIERG
Data Path: C:\HPCHEM\1\DATA\042512I.b\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Comments:

Target Batch (Di

ISS/MSVOA #: N/A
DEN-MS-0010 (8260B/624/524.2) (Circle)
Purge Volume: (20mL/5mL/5g) (Circle)
Tune Time: 0950-2103
Lims Batch: 117042

Lot #	Line	Type	Vial	DataFile	Method	Sample Name	SS OK	DIL OK	24 hr 12 hr	pH	Comments	ALS
	1	Sample	100	P6949	BFB	BFB,,						
	2	Sample	1	P6950	8260B	CCV,,M						
	3	Sample	2	P6951	8260B	IC,,S1.0						
	4	Sample	3	P6952	8260B	IC,,S2.0						
	5	Sample	4	P6953	8260B	IC,,S5.0						
	6	Sample	5	P6954	8260B	ICIS,,S10						
	7	Sample	6	P6955	8260B	IC,,S30						
	8	Sample	7	P6956	8260B	IC,,S60						
	9	Sample	8	P6957	8260B	ICV,,S						
	10	Sample	9	P6958	8260B	LCS,,						
	11	Sample	10	P6959	8260B	MB,,AF ~~ASS~~ CM 4/26						
	12	Sample	11	P6960	8260B	280-27921-c-1,,PH=7 ~~RES REC 20~~						
	13	Sample	12	P6961	8260B	280-27921-b-2,,PH=7 CM 4/26						
	14	Sample	13	P6962	8260B	280-27921-b-3,,PH=7						
	15	Sample	14	P6963	8260B	MB,,AF NOT NEEDED						
	16	Sample	15	P6964	8260B	280-27921-c-1,,PH=7						
	17	Sample	16	P6965	8260B	280-28021-a-1,,PH=7						
	18	Sample	17	P6966	8260B	280-28021-f-2,,PH=7						
	19	Sample	18	P6967	8260B	280-28021-e-2 MS,,PH=7						
	20	Sample	19	P6968	8260B	280-28021-e-2 MSD,,PH=7						
	21	Sample	20	P6969	8260B	280-28021-b-3,,PH=7						
	22	Sample	21	P6970	8260B	280-28021-c-4,,PH=7						
	23	Sample	22	P6971	8260B	280-27843-b-1,,PH<2						
	24	Sample	23	P6972	8260B	280-27843-b-2,,PH<2						
	25	Sample	24	P6973	8260B	280-27843-c-3,,PH<2 RAC 5.0						
	26	Sample	25	P6974	8260B	280-27843-a-4,,PH<2						
	27	Sample	26	P6975	8260B	280-27843-a-4,5,PH<2 NOT NEEDED						
	28	Sample	27	P6976	8260B	280-27843-a-5,,PH<2						
	29	Sample	28	P6977	8260B	280-27843-c-6,,PH<2 RAC 2.0						
	30	Sample	29	P6978	8260B	280-27843-c-7,,PH<2 RAC 2.0						
	31	Sample	30	P6979	8260B	280-27843-c-8,,PH<2						
	32	Sample	31	P6980	8260B	280-27843-a-9,,PH<2 RAC 0.2						
	33	Sample	32	P6981	8260B	280-27843-c-10,,PH<2						
	34	Sample	33	P6982	8260B	280-27843-b-11,,PH<2						
	35	Sample	34	P6983	8260B	280-27843-b-12,2,PH<2						
	36	Sample	35	P6984	8260B	280-27843-b-12,.2,PH<2 > REC 2.0						

REPLACED ARCHON SS W/ VIAL USED TO ICAL AND CHANGED VOLUME FROM .88mL TO 1mL

BFB
[X] mv-BFB_07

MAIN CCV
[X] Mv-main_023
[X] mv-main gas_027
[ ] mv-BO mix B_8

SUPP CCV
[X] mv-supp_021
[X] mv- 2 cleve_09
[ ] Mv-F114_01

ICV/LCS/LCSD/MS/MSD
[X] mv-524 A_013
[X] mv-624 A_015
[X] mv-SS Gas/ke_018
[ ] mv-secsrc B_05
[ ] mv-Secsrc C_015
[X] mv-SS Supp_11
[X] mv-SS 2 Cleve_05
[ ] mv-BO mix A_8
[ ] mv-Acrol/Acryl_021

[X] mv-Archon IS_462
[X] mv-Archon SS_571

CM 4/26/12

*Run rejected because of poor purge or QC issue. Do not report.

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Vf-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TPH	#
MW02	280-28076-1	93		100		88		83		109	
MW02 DL	280-28076-1 DL	78	D	86	D	87	D	83	D	96	D
	MB 280-117171/1-A	88		93		87		71		100	
	LCS 280-117171/2-A	93		99		99		88		101	
	LCS 280-117171/2-A DL	87		92		97		83		97	
	LCSD 280-117171/3-A	87		94		93		72		98	
	LCSD 280-117171/3-A DL	86		90		93		75		92	
	280-28131-B-4-A MS	84		92		90		90		99	
	280-28131-B-4-A MS DL	90		97		100		93		106	
	280-28131-S-4-A MSD	86		92		90		85		95	
	280-28131-S-4-A MSD DL	78		80		84		75		91	

	QC LIMITS
2FP = 2-Fluorophenol	51-120
PHL = Phenol-d5	51-120
NBZ = Nitrobenzene-d5	48-120
FBP = 2-Fluorobiphenyl	38-120
TPH = Terphenyl-d14	50-120

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0719.D

Lab ID: LCS 280-117171/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aniline	80.0	60.7	76	47-120	
Benzyl alcohol	80.0	76.4	95	58-120	
Bis(2-chloroethoxy)methane	80.0	76.0	95	64-120	
Bis(2-chloroethyl)ether	80.0	68.6	86	60-120	
Bis(2-ethylhexyl) phthalate	80.0	80.4	101	62-133	
Butyl benzyl phthalate	80.0	77.7	97	71-120	
Diethyl phthalate	80.0	80.6	101	73-120	
Dimethyl phthalate	80.0	81.3	102	73-120	
Di-n-butyl phthalate	80.0	80.9	101	75-120	
Di-n-octyl phthalate	80.0	83.2	104	71-120	
Hexachlorobenzene	80.0	74.4	93	69-120	
Hexachlorocyclopentadiene	80.0	13.4 J	17	10-120	
Hexachloroethane	80.0	39.9	50	21-120	
Isophorone	80.0	75.3	94	65-120	
Nitrobenzene	80.0	76.2	95	59-120	
N-Nitrosodimethylamine	80.0	74.2	93	56-120	
N-Nitrosodi-n-propylamine	80.0	80.3	100	58-120	
Pentachlorophenol	80.0	76.9	96	57-120	
Phenol	80.0	77.5	97	61-120	
Pyridine	80.0	65.4	82	46-120	
2,4,5-Trichlorophenol	80.0	86.0	107	64-120	
2,4,6-Trichlorophenol	80.0	80.8	101	62-120	
2,4-Dichlorophenol	80.0	76.4	95	62-120	
2,4-Dimethylphenol	80.0	52.7	66	44-120	
2,4-Dinitrophenol	80.0	81.5	102	55-120	
2,4-Dinitrotoluene	80.0	80.9	101	76-120	
2,6-Dinitrotoluene	80.0	79.6	99	73-120	
2-Chloronaphthalene	80.0	67.0	84	51-120	
2-Chlorophenol	80.0	69.1	86	58-120	
3 & 4 Methylphenol	160	158	99	58-120	
3,3'-Dichlorobenzidine	80.0	40.8 J	51	10-120	
3-Nitroaniline	80.0	79.3	99	70-120	
4,6-Dinitro-2-methylphenol	80.0	82.4	103	63-125	
2-Methylphenol	80.0	71.9	90	62-120	
2-Nitroaniline	80.0	92.6	116	70-120	
2-Nitrophenol	80.0	76.1	95	59-120	
4-Bromophenyl phenyl ether	80.0	77.3	97	69-120	
4-Chloro-3-methylphenol	80.0	74.8	93	69-120	
4-Chloroaniline	80.0	71.2	89	60-120	
4-Chlorophenyl phenyl ether	80.0	75.6	94	67-120	
4-Nitroaniline	80.0	83.1	104	70-120	
4-Nitrophenol	80.0	103	129	59-129	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0719.D

Lab ID: LCS 280-117171/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Carbazole	80.0	75.1	94	72-120	
bis (2-chloroisopropyl) ether	80.0	78.6	98	49-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0721.D

Lab ID: LCS 280-117171/2-A DL Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzoic acid	400	387	97	41-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0720.D

Lab ID: LCSD 280-117171/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aniline	80.0	55.5	69	9	30	47-120	
Benzyl alcohol	80.0	73.1	91	4	30	58-120	
Bis(2-chloroethoxy)methane	80.0	72.3	90	5	30	64-120	
Bis(2-chloroethyl)ether	80.0	67.4	84	2	34	60-120	
Bis(2-ethylhexyl) phthalate	80.0	81.2	101	1	30	62-133	
Butyl benzyl phthalate	80.0	76.1	95	2	30	71-120	
Diethyl phthalate	80.0	71.8	90	12	30	73-120	
Dimethyl phthalate	80.0	74.5	93	9	30	73-120	
Di-n-butyl phthalate	80.0	76.7	96	5	30	75-120	
Di-n-octyl phthalate	80.0	86.0	107	3	30	71-120	
Hexachlorobenzene	80.0	67.9	85	9	30	69-120	
Hexachlorocyclopentadiene	80.0	ND	12	32	72	10-120	
Hexachloroethane	80.0	44.1	55	10	57	21-120	
Isophorone	80.0	73.7	92	2	30	65-120	
Nitrobenzene	80.0	72.8	91	4	30	59-120	
N-Nitrosodimethylamine	80.0	68.5	86	8	43	56-120	
N-Nitrosodi-n-propylamine	80.0	73.8	92	8	30	58-120	
Pentachlorophenol	80.0	72.4	90	6	33	57-120	
Phenol	80.0	73.3	92	6	42	61-120	
Pyridine	80.0	59.8	75	9	38	46-120	
2,4,5-Trichlorophenol	80.0	76.9	96	11	30	64-120	
2,4,6-Trichlorophenol	80.0	71.4	89	12	30	62-120	
2,4-Dichlorophenol	80.0	70.6	88	8	30	62-120	
2,4-Dimethylphenol	80.0	54.6	68	4	30	44-120	
2,4-Dinitrophenol	80.0	76.2	95	7	49	55-120	
2,4-Dinitrotoluene	80.0	73.6	92	9	32	76-120	
2,6-Dinitrotoluene	80.0	72.5	91	9	30	73-120	
2-Chloronaphthalene	80.0	55.7	70	18	30	51-120	
2-Chlorophenol	80.0	63.9	80	8	30	58-120	
3 & 4 Methylphenol	160	148	93	6	30	58-120	
3,3'-Dichlorobenzidine	80.0	39.0 J	49	5	30	10-120	
3-Nitroaniline	80.0	73.8	92	7	35	70-120	
4,6-Dinitro-2-methylphenol	80.0	78.2	98	5	37	63-125	
2-Methylphenol	80.0	69.3	87	4	30	62-120	
2-Nitroaniline	80.0	81.4	102	13	30	70-120	
2-Nitrophenol	80.0	71.1	89	7	30	59-120	
4-Bromophenyl phenyl ether	80.0	74.6	93	4	31	69-120	
4-Chloro-3-methylphenol	80.0	76.1	95	2	30	69-120	
4-Chloroaniline	80.0	68.2	85	4	54	60-120	
4-Chlorophenyl phenyl ether	80.0	67.4	84	11	30	67-120	
4-Nitroaniline	80.0	76.1	95	9	34	70-120	
4-Nitrophenol	80.0	95.7	120	7	35	59-129	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0720.D

Lab ID: LCSD 280-117171/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	80.0	71.7	90	5	30	72-120	
bis (2-chloroisopropyl) ether	80.0	70.9	89	10	30	49-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0722.D

Lab ID: LCSD 280-117171/3-A DL Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzoic acid	400	400	100	3	72	41-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0724.D

Lab ID: 280-28131-B-4-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aniline	83.4	ND	56.5	68	47-120	
Benzyl alcohol	83.4	0.59 J	75.5	90	58-120	
Bis(2-chloroethoxy)methane	83.4	ND	77.5	93	64-120	
Bis(2-chloroethyl)ether	83.4	ND	67.5	81	60-120	
Bis(2-ethylhexyl) phthalate	83.4	ND	83.4	100	62-133	
Butyl benzyl phthalate	83.4	ND	80.2	96	71-120	
Diethyl phthalate	83.4	ND	79.5	95	73-120	
Dimethyl phthalate	83.4	ND	76.9	92	73-120	
Di-n-butyl phthalate	83.4	ND	84.6	101	75-120	
Di-n-octyl phthalate	83.4	ND	85.5	103	71-120	
Hexachlorobenzene	83.4	ND	76.2	91	69-120	
Hexachlorocyclopentadiene	83.4	ND	23.1 J	28	10-120	
Hexachloroethane	83.4	ND	66.4	80	21-120	
Isophorone	83.4	ND	77.0	92	65-120	
Nitrobenzene	83.4	ND	74.8	90	59-120	
N-Nitrosodimethylamine	83.4	ND	73.1	88	56-120	
N-Nitrosodi-n-propylamine	83.4	ND	79.2	95	58-120	
Pentachlorophenol	83.4	ND	80.7	97	57-120	
Phenol	83.4	10 J	86.4	92	61-120	
Pyridine	83.4	ND	64.8	78	46-120	
2,4,5-Trichlorophenol	83.4	ND	85.3	102	64-120	
2,4,6-Trichlorophenol	83.4	ND	76.0	91	62-120	
2,4-Dichlorophenol	83.4	ND	86.4	104	62-120	
2,4-Dimethylphenol	83.4	ND	65.0	78	44-120	
2,4-Dinitrophenol	83.4	ND	79.6	95	55-120	
2,4-Dinitrotoluene	83.4	ND	81.5	98	76-120	
2,6-Dinitrotoluene	83.4	ND	75.7	91	73-120	
2-Chloronaphthalene	83.4	ND	75.2	90	51-120	
2-Chlorophenol	83.4	ND	69.3	83	58-120	
3 & 4 Methylphenol	167	0.95 J	161	96	58-120	
3,3'-Dichlorobenzidine	83.4	ND	46.5 J	56	10-120	
3-Nitroaniline	83.4	ND	81.3	97	70-120	
4,6-Dinitro-2-methylphenol	83.4	ND	85.8	103	63-125	
2-Methylphenol	83.4	ND	73.8	88	62-120	
2-Nitroaniline	83.4	ND	92.4	111	70-120	
2-Nitrophenol	83.4	ND	77.0	92	59-120	
4-Bromophenyl phenyl ether	83.4	ND	80.6	97	69-120	
4-Chloro-3-methylphenol	83.4	ND	78.2	94	69-120	
4-Chloroaniline	83.4	ND	72.2	87	60-120	
4-Chlorophenyl phenyl ether	83.4	ND	79.7	96	67-120	
4-Nitroaniline	83.4	ND	80.8	97	70-120	
4-Nitrophenol	83.4	ND	99.0	119	59-129	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0724.D

Lab ID: 280-28131-B-4-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Carbazole	83.4	ND	77.2	93	72-120	
bis (2-chloroisopropyl) ether	83.4	ND	82.3	99	49-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0760.D

Lab ID: 280-28131-B-4-A MS DL Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzoic acid	417	340	940	144	41-120	F

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0725.D

Lab ID: 280-28131-S-4-A MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aniline	83.9	55.1	66	2	30	47-120	
Benzyl alcohol	83.9	78.5	93	4	30	58-120	
Bis(2-chloroethoxy)methane	83.9	74.0	88	5	30	64-120	
Bis(2-chloroethyl)ether	83.9	67.2	80	0	34	60-120	
Bis(2-ethylhexyl) phthalate	83.9	81.0	97	3	30	62-133	
Butyl benzyl phthalate	83.9	80.0	95	0	30	71-120	
Diethyl phthalate	83.9	75.8	90	5	30	73-120	
Dimethyl phthalate	83.9	73.5	88	4	30	73-120	
Di-n-butyl phthalate	83.9	81.0	97	4	30	75-120	
Di-n-octyl phthalate	83.9	83.6	100	2	30	71-120	
Hexachlorobenzene	83.9	75.3	90	1	30	69-120	
Hexachlorocyclopentadiene	83.9	18.6 J	22	22	72	10-120	
Hexachloroethane	83.9	63.0	75	5	57	21-120	
Isophorone	83.9	76.2	91	1	30	65-120	
Nitrobenzene	83.9	72.3	86	4	30	59-120	
N-Nitrosodimethylamine	83.9	72.6	87	1	43	56-120	
N-Nitrosodi-n-propylamine	83.9	74.6	89	6	30	58-120	
Pentachlorophenol	83.9	79.5	95	2	33	57-120	
Phenol	83.9	87.8	93	2	42	61-120	
Pyridine	83.9	67.6	81	4	38	46-120	
2,4,5-Trichlorophenol	83.9	81.4	97	5	30	64-120	
2,4,6-Trichlorophenol	83.9	74.9	89	2	30	62-120	
2,4-Dichlorophenol	83.9	79.3	95	9	30	62-120	
2,4-Dimethylphenol	83.9	64.1	76	1	30	44-120	
2,4-Dinitrophenol	83.9	80.3	96	1	49	55-120	
2,4-Dinitrotoluene	83.9	76.2	91	7	32	76-120	
2,6-Dinitrotoluene	83.9	73.7	88	3	30	73-120	
2-Chloronaphthalene	83.9	70.0	83	7	30	51-120	
2-Chlorophenol	83.9	69.7	83	0	30	58-120	
3 & 4 Methylphenol	168	157	93	2	30	58-120	
3,3'-Dichlorobenzidine	83.9	44.0 J	52	6	30	10-120	
3-Nitroaniline	83.9	71.9	86	12	35	70-120	
4,6-Dinitro-2-methylphenol	83.9	82.3	98	4	37	63-125	
2-Methylphenol	83.9	72.2	86	2	30	62-120	
2-Nitroaniline	83.9	87.5	104	5	30	70-120	
2-Nitrophenol	83.9	75.0	89	3	30	59-120	
4-Bromophenyl phenyl ether	83.9	77.9	93	3	31	69-120	
4-Chloro-3-methylphenol	83.9	77.1	92	1	30	69-120	
4-Chloroaniline	83.9	65.9	79	9	54	60-120	
4-Chlorophenyl phenyl ether	83.9	75.7	90	5	30	67-120	
4-Nitroaniline	83.9	79.5	95	2	34	70-120	
4-Nitrophenol	83.9	97.3	116	2	35	59-129	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0725.D

Lab ID: 280-28131-S-4-A MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	83.9	74.6	89	3	30	72-120	
bis (2-chloroisopropyl) ether	83.9	81.7	97	1	30	49-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0761.D

Lab ID: 280-28131-S-4-A MSD DL Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzoic acid	419	811	112	15	72	41-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM I V
GC/ MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Test Ameri ca Denver Job No. : 280-28076-1

SDG No. :

Lab Fi l e I D: D0718. D Lab Sampl e I D: MB 280-117171/ 1-A

Mat ri x: Wat er Dat e Ext ract ed: 04/ 26/ 2012 16: 07

I nst rument I D: MSS_D Dat e Anal yzed: 05/ 08/ 2012 11: 55

Level : (Low/ Med) Low

THI S METHOD BLANK APPLI ES TO THE FOLLOWI NG SAMPLES:

CLI ENT SAMPLE I D	LAB SAMPLE I D	LAB FI LE I D	DATE ANALYZED
	LCS 280-117171/ 2-A	D0719. D	05/ 08/ 2012 12: 13
	LCSD 280-117171/ 3-A	D0720. D	05/ 08/ 2012 12: 31
	LCS 280-117171/ 2-A DL	D0721. D	05/ 08/ 2012 12: 49
	LCSD 280-117171/ 3-A DL	D0722. D	05/ 08/ 2012 13: 08
	280-28131-B-4-A MS	D0724. D	05/ 08/ 2012 13: 44
	280-28131-S-4-A MSD	D0725. D	05/ 08/ 2012 14: 02
MW02	280-28076-1	D0732. D	05/ 08/ 2012 16: 09
	280-28131-B-4-A MS DL	D0760. D	05/ 09/ 2012 15: 45
	280-28131-S-4-A MSD DL	D0761. D	05/ 09/ 2012 16: 03
MW02 DL	280-28076-1 DL	D0762. D	05/ 09/ 2012 16: 21

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

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: D0509.D DFTPP Injection Date: 05/02/2012

Instrument ID: MSS_D DFTPP Injection Time: 07:08

Analysis Batch No.: 117938

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.5	
68	Less than 2.0 % of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	50.0	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	5.4	
441	Present but less than mass 443	7.6	(76.0)1
442	Greater than 40.0 % of mass 198	51.8	
443	17.0 - 23.0 % of mass 442	10.0	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-117938/2	D0510.D	05/02/2012	07:20
	IC 280-117938/3	D0511.D	05/02/2012	07:39
	IC 280-117938/4	D0512.D	05/02/2012	07:57
	ICIS 280-117938/5	D0513.D	05/02/2012	08:14
	IC 280-117938/6	D0514.D	05/02/2012	08:32
	IC 280-117938/7	D0515.D	05/02/2012	08:50
	IC 280-117938/8	D0516.D	05/02/2012	09:07
	ICV 280-117938/9	D0517.D	05/02/2012	09:25
	ICV 280-117938/10	D0518.D	05/02/2012	09:44

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

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: D0509.D DFTPP Injection Date: 05/02/2012

Instrument ID: MSS_D DFTPP Injection Time: 07:08

Analysis Batch No.: 118050

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.5	
68	Less than 2.0 % of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	50.0	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	5.4	
441	Present but less than mass 443	7.6	(76.0)1
442	Greater than 40.0 % of mass 198	51.8	
443	17.0 - 23.0 % of mass 442	10.0	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-118050/2	D0519.D	05/02/2012	10:04
	IC 280-118050/3	D0520.D	05/02/2012	10:23
	IC 280-118050/4	D0521.D	05/02/2012	10:43
	ICIS 280-118050/5	D0522.D	05/02/2012	11:01
	IC 280-118050/6	D0523.D	05/02/2012	11:20
	IC 280-118050/7	D0524.D	05/02/2012	11:38
	IC 280-118050/8	D0525.D	05/02/2012	11:57
	IC 280-118050/9	D0526.D	05/02/2012	12:15
	ICV 280-118050/10	D0527.D	05/02/2012	12:34
	ICV 280-118050/11	D0528.D	05/02/2012	12:52
	ICV 280-118050/12	D0529.D	05/02/2012	13:11

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

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: D0712.D DFTPP Injection Date: 05/08/2012

Instrument ID: MSS_D DFTPP Injection Time: 10:11

Analysis Batch No.: 119099

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	45.0	
68	Less than 2.0 % of mass 69	0.7	(1.4)1
69	Mass 69 relative abundance	53.0	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	56.1	
197	Less than 1.0 % of mass 198	0.2	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.7	
275	10.0 - 30.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	5.7	
441	Present but less than mass 443	9.2	(70.8)1
442	Greater than 40.0 % of mass 198	62.7	
443	17.0 - 23.0 % of mass 442	13.0	(20.7)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
	CCV 280-119099/4	D0713.D	05/08/2012	10:24
	CCV 280-119099/5	D0714.D	05/08/2012	10:42
	MB 280-117171/1-A	D0718.D	05/08/2012	11:55
	LCS 280-117171/2-A	D0719.D	05/08/2012	12:13
	LCSD 280-117171/3-A	D0720.D	05/08/2012	12:31
	LCS 280-117171/2-A DL	D0721.D	05/08/2012	12:49
	LCSD 280-117171/3-A DL	D0722.D	05/08/2012	13:08
	280-28131-B-4-A MS	D0724.D	05/08/2012	13:44
	280-28131-S-4-A MSD	D0725.D	05/08/2012	14:02
MW02	280-28076-1	D0732.D	05/08/2012	16:09

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

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: D0754.D DFTPP Injection Date: 05/09/2012

Instrument ID: MSS_D DFTPP Injection Time: 13:49

Analysis Batch No.: 119208

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.0	
68	Less than 2.0 % of mass 69	0.2	(0.5)1
69	Mass 69 relative abundance	48.1	
70	Less than 2.0 % of mass 69	0.4	(0.8)1
127	40.0 - 60.0 % of mass 198	55.2	
197	Less than 1.0 % of mass 198	0.6	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	8.0	
275	10.0 - 30.0 % of mass 198	27.1	
365	Greater than 1.0 % of mass 198	6.7	
441	Present but less than mass 443	10.7	(74.8)1
442	Greater than 40.0 % of mass 198	68.1	
443	17.0 - 23.0 % of mass 442	14.2	(20.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-119208/2	D0755.D	05/09/2012	14:01
	CCV 280-119208/3	D0756.D	05/09/2012	14:20
	280-28131-B-4-A MS DL	D0760.D	05/09/2012	15:45
	280-28131-S-4-A MSD DL	D0761.D	05/09/2012	16:03
MW02 DL	280-28076-1 DL	D0762.D	05/09/2012	16:21

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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: ICIS 280-117938/5 | Date Analyzed: 05/02/2012 08:14

Instrument ID: MSS_D | GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): D0513.D | Heated Purge: (Y/N) N

Calibration ID: 9238

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		300004	3.56	1098446	4.71	750338	6.40
UPPER LIMIT		600008	4.06	2196892	5.21	1500676	6.90
LOWER LIMIT		150002	3.06	549223	4.21	375169	5.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-117938/9		331305	3.57	1175287	4.72	805763	6.40
ICV 280-117938/10		312871	3.57	1126001	4.71	779684	6.39
CCV 280-119099/5		332589	3.54	1194775	4.69	798295	6.37
CCV 280-119208/3		324768	3.54	1168613	4.69	799445	6.37

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

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 8270C

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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: ICIS 280-117938/5 | Date Analyzed: 05/02/2012 08:14

Instrument ID: MSS_D | GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): D0513.D | Heated Purge: (Y/N) N

Calibration ID: 9238

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1319935	7.73	1506481	10.00	1372690	11.20
UPPER LIMIT		2639870	8.23	3012962	10.50	2745380	11.70
LOWER LIMIT		659968	7.23	753241	9.50	686345	10.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-117938/9		1395252	7.73	1854276	10.02	1468496	11.26
ICV 280-117938/10		1405616	7.73	1570202	10.01	1436432	11.24
CCV 280-119099/5		1439970	7.70	1717753	9.97	1542335	11.20
CCV 280-119208/3		1361608	7.70	1616425	9.99	1492992	11.24

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270C

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

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: ICIS 280-118050/5 | Date Analyzed: 05/02/2012 11:01

Instrument ID: MSS_D | GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): D0522.D | Heated Purge: (Y/N) N

Calibration ID: 9253

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		311929	3.57	1113228	4.72	755255	6.40
UPPER LIMIT		623858	4.07	2226456	5.22	1510510	6.90
LOWER LIMIT		155965	3.07	556614	4.22	377628	5.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-118050/10		307168	3.57	1101147	4.71	749827	6.40
ICV 280-118050/11		348041	3.57	1264221	4.71	838675	6.39
ICV 280-118050/12		313316	3.57	1161975	4.71	778168	6.40
CCV 280-119099/4		276271	3.54	1002994	4.69	682171	6.37
MB 280-117171/1-A		346215	3.54	1278511	4.69	842034	6.37
LCS 280-117171/2-A		337472	3.54	1222342	4.69	796227	6.37
LCSD 280-117171/3-A		340985	3.54	1217630	4.69	859000	6.37
LCS 280-117171/2-A DL		326183	3.54	1118432	4.68	757396	6.37
LCSD 280-117171/3-A DL		313433	3.54	1145994	4.69	747346	6.37
280-28131-B-4-A MS		341592	3.54	1234845	4.69	828922	6.37
280-28131-S-4-A MSD		337778	3.54	1239380	4.69	844497	6.37
280-28076-1	MW02	329242	3.54	1225303	4.69	889815	6.37
CCV 280-119208/2		320860	3.54	1133706	4.69	795407	6.37
280-28131-B-4-A MS DL		276784	3.54	994604	4.69	698102	6.37
280-28131-S-4-A MSD DL		319095	3.54	1158483	4.69	800180	6.37
280-28076-1 DL	MW02 DL	330779	3.54	1192231	4.69	814461	6.37

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

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 8270C

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

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: ICIS 280-118050/5 | Date Analyzed: 05/02/2012 11:01

Instrument ID: MSS_D | GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): D0522.D | Heated Purge: (Y/N) N

Calibration ID: 9253

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1315117	7.73	1677885	10.02	1417921	11.26
UPPER LIMIT		2630234	8.23	3355770	10.52	2835842	11.76
LOWER LIMIT		657559	7.23	838943	9.52	708961	10.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-118050/10		1307197	7.73	1615805	10.04	1372620	11.32
ICV 280-118050/11		1489391	7.73	1763133	10.03	1571941	11.30
ICV 280-118050/12		1343557	7.73	1563020	10.04	1435776	11.32
CCV 280-119099/4		1218716	7.70	1600502	9.96	1396029	11.16
MB 280-117171/1-A		1515529	7.70	1798562	9.96	1643518	11.18
LCS 280-117171/2-A		1421981	7.70	1861468	9.96	1572888	11.18
LCSD 280-117171/3-A		1478233	7.70	1793122	9.97	1582737	11.19
LCS 280-117171/2-A DL		1374807	7.70	1643521	9.97	1514910	11.20
LCSD 280-117171/3-A DL		1375502	7.70	1642400	9.96	1492356	11.18
280-28131-B-4-A MS		1493455	7.70	1970276	9.97	1699546	11.19
280-28131-S-4-A MSD		1508987	7.70	1946008	9.97	1674565	11.19
280-28076-1	MW02	1497917	7.70	1790869	9.96	1673704	11.19
CCV 280-119208/2		1393610	7.70	1775994	9.98	1585403	11.23
280-28131-B-4-A MS DL		1214080	7.70	1489034	9.99	1348438	11.25
280-28131-S-4-A MSD DL		1402402	7.70	1659959	9.99	1548590	11.25
280-28076-1 DL	MW02 DL	1499274	7.70	1762403	9.99	1619856	11.25

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: D0732.D

Analysis Method: 8270C | Date Collected: 04/22/2012 15:45

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 999.2(mL) | Date Analyzed: 05/08/2012 16:09

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-53-3	Aniline	ND		10	2.0
100-51-6	Benzyl alcohol	ND		10	0.23
111-91-1	Bis(2-chloroethoxy)methane	ND		10	0.97
111-44-4	Bis(2-chloroethyl)ether	ND		10	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	3.6	J	10	0.56
85-68-7	Butyl benzyl phthalate	ND		4.0	1.0
132-64-9	Dibenzofuran	ND		4.0	0.29
84-66-2	Diethyl phthalate	ND		4.0	0.38
131-11-3	Dimethyl phthalate	ND		4.0	0.21
84-74-2	Di-n-butyl phthalate	ND		4.0	1.2
117-84-0	Di-n-octyl phthalate	ND		4.0	0.35
122-39-4	Diphenylamine	ND		10	1.1
118-74-1	Hexachlorobenzene	ND		10	0.66
77-47-4	Hexachlorocyclopentadiene	ND		50	10
67-72-1	Hexachloroethane	ND		10	2.1
78-59-1	Isophorone	ND		10	0.21
98-95-3	Nitrobenzene	ND		10	0.81
62-75-9	N-Nitrosodimethylamine	ND		10	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		10	0.35
87-86-5	Pentachlorophenol	ND		50	20
108-95-2	Phenol	23		10	2.0
110-86-1	Pyridine	ND		20	1.7
99-65-0	1,3-Dinitrobenzene	ND		10	2.0
58-90-2	2,3,4,6-Tetrachlorophenol	ND		50	2.0
95-95-4	2,4,5-Trichlorophenol	ND		10	0.45
88-06-2	2,4,6-Trichlorophenol	ND		10	0.29
120-83-2	2,4-Dichlorophenol	ND		10	0.64
105-67-9	2,4-Dimethylphenol	61		10	0.58
51-28-5	2,4-Dinitrophenol	ND		30	10
121-14-2	2,4-Dinitrotoluene	ND		10	1.7
606-20-2	2,6-Dinitrotoluene	ND		10	1.9
100-25-4	1,4-Dinitrobenzene	ND		10	2.0
91-58-7	2-Chloronaphthalene	ND		4.0	0.26
95-57-8	2-Chlorophenol	ND		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: D0732.D

Analysis Method: 8270C | Date Collected: 04/22/2012 15:45

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 999.2(mL) | Date Analyzed: 05/08/2012 16:09

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methyl phenol	47		10	0.25
91-94-1	3,3'-Dichlorobenzidine	ND		50	2.0
99-09-2	3-Nitroaniline	ND		10	2.0
534-52-1	4,6-Dinitro-2-methyl phenol	ND		50	4.0
95-48-7	2-Methyl phenol	25		10	0.98
88-74-4	2-Nitroaniline	ND		10	1.7
88-75-5	2-Nitrophenol	ND		10	0.39
101-55-3	4-Bromophenyl phenyl ether	ND		10	0.43
59-50-7	4-Chloro-3-methyl phenol	ND		10	2.4
106-47-8	4-Chloroaniline	ND		10	2.1
7005-72-3	4-Chlorophenyl phenyl ether	ND		10	1.7
100-01-6	4-Nitroaniline	ND		10	2.0
100-02-7	4-Nitrophenol	ND		10	1.2
103-33-3	Azobenzene	ND		4.0	0.23
86-74-8	Carbazole	ND		4.0	0.43
108-60-1	bis (2-chloroisopropyl) ether	ND		10	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	93		51-120
4165-62-2	Phenol-d5	100		51-120
4165-60-0	Nitrobenzene-d5	88		48-120
321-60-8	2-Fluorobiphenyl	83		38-120
1718-51-0	Terphenyl-d14	109		50-120

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

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: D0732.D

Analysis Method: 8270C | Date Collected: 04/22/2012 15:45

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 999.2(mL) | Date Analyzed: 05/08/2012 16:09

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

Number TICs Found: 18 | TIC Result Total: 1114

CAS NO.	COMPOUND NAME	RT	RESULT	Q
590-36-3	2-Pentanol, 2-methyl-	1.67	86	T J N
	Unknown	1.79	57	T J
108-88-3	Toluene	1.89	190	T J N
	Unknown	2.03	23	T J
	Unknown	2.25	37	T J
	Unknown	2.32	25	T J
100-41-4	Ethylbenzene	2.48	42	T J N
	Unknown	2.65	26	T J
108-38-3	Benzene, 1,3-dimethyl-	2.70	110	T J N
590-67-0	Cyclohexanol, 1-methyl-	2.73	61	T J N
	Unknown	2.90	22	T J
591-23-1	Cyclohexanol, 3-methyl-	3.06	30	T J N
620-14-4	Benzene, 1-ethyl-3-methyl-	3.15	38	T J N
108-67-8	Benzene, 1,3,5-trimethyl-	3.39	80	T J N
526-73-8	Benzene, 1,2,3-trimethyl-	3.58	25	T J N
118-90-1	Benzoic acid, 2-methyl-	4.93	38	T J N
	Unknown	5.12	44	T J
	Unknown	9.33	180	T J

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0732.D
Lab Smp Id: 280-28076-D-1-A Client Smp ID: MW02
Inj Date : 08-MAY-2012 16:09
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28076-D-1-A
Misc Info : 280-28076-D-1-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	999.200	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	
* 26 1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	329242	40.0000		
* 58 Naphthalene-d8	136	4.689	4.689	(1.000)	1225303	40.0000		(Q)
* 96 Acenaphthene-d10	164	6.367	6.372	(1.000)	889815	40.0000		
* 135 Phenanthrene-d10	188	7.697	7.702	(1.000)	1497917	40.0000		
* 166 Chrysene-d12	240	9.962	9.973	(1.000)	1790869	40.0000		
* 179 Perylene-d12	264	11.186	11.201	(1.000)	1673704	40.0000		
$ 8 2-Fluorophenol	112	2.521	2.521	(0.712)	1575246	139.966	140.078	
$ 15 Phenol-d5	99	3.210	3.210	(0.906)	2173808	150.731	150.852	
$ 43 Nitrobenzene-d5	82	4.027	4.027	(0.859)	1402312	87.9298	88.0002	
$ 81 2-Fluorobiphenyl	172	5.721	5.726	(0.898)	2397590	82.6601	82.7263	
$ 118 2,4,6-Tribromophenol	330	7.088	7.094	(1.113)	840912	151.552	151.673	
$ 154 Terphenyl-d14	244	9.043	9.044	(0.908)	3609691	109.040	109.128	
$ 29 1,2-Dichlorobenzene-d4	152	3.674	3.675	(1.038)	641755	73.8999	73.9591	
$ 22 2-Chlorophenol-d4	132	3.354	3.354	(0.947)	1532018	123.546	123.645	
4 1,4-Dioxane	88	Compound Not Detected.						
5 N-Nitrosodimethylamine	74	Compound Not Detected.						
6 Pyridine	79	Compound Not Detected.						
9 2-Picoline	93	Compound Not Detected.						
10 N-Nitrosomethylethylamine	88	Compound Not Detected.						
11 Methyl methanesulfonate	80	Compound Not Detected.						
12 N-Nitrosodiethylamine	102	Compound Not Detected.						
13 Ethyl methanesulfonate	79	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
16	Phenol	94	3.220	3.221	(0.909)	342590	23.3936	23.4123(Q)
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
32	2-Methylphenol	108	3.733	3.733	(1.054)	268938	25.2261	25.2463
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	3.867	3.867	(1.092)	521823	46.7189	46.7563
36	4-Methylphenol	108	3.867	3.867	(1.092)	521823	46.7189	46.7563
139	3 & 4-Methylphenol	108	3.867	3.867	(1.092)	521823	46.7189	46.7563
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38	Acetophenone	105	3.883	3.888	(1.097)	22127	1.31328	1.31433(aQ)
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
50	2,4-Dimethylphenol	107	4.353	4.353	(0.928)	763241	60.7698	60.8185
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	4.476	4.433	(0.954)	1482449	238.741	238.933(A)
54	2,4-Dichlorophenol	162	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59	Naphthalene	128	4.705	4.711	(1.003)	222774	6.70413	6.70949
60	4-Chloroaniline	127	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	5.015	5.096	(1.069)	29074	7.67486	7.68101(aQ)
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.368	5.368	(1.145)	162597	7.08622	7.09189
72	1-Methylnaphthalene	142	5.464	5.470	(1.165)	83873	3.87519	3.87829(a)
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

EPAPAV0011801

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
86	2-Chloronaphthalene	162	Compound Not Detected.					
88	2-Nitroaniline	65	Compound Not Detected.					
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	Compound Not Detected.					
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	Compound Not Detected.					
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	Compound Not Detected.					
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0011802

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	9.898	9.893	(0.994)	92063	3.58911	3.59198(a)
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0732.D
Lab Smp Id: 280-28076-D-1-A Client Smp ID: MW02
Inj Date : 08-MAY-2012 16:09
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28076-D-1-A
Misc Info : 280-28076-D-1-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	999.200	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 26 1,4-Dichlorobenzene-d4	3.541	6746711	40.000
* 58 Naphthalene-d8	4.690	3154123	40.000
* 96 Acenaphthene-d10	6.367	3836445	40.000
* 135 Phenanthrene-d10	7.698	4203692	40.000
* 166 Chrysene-d12	9.963	4711030	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/ml)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.501	2661901	15.7819169	15.7946	0		0	26
2-Pentanol, 2-methyl-				CAS #: 590-36-3			
1.672	14481384	85.8574421	85.9262	83	NBS75K.l	1763	26
Unknown				CAS #:			
1.789	9544145	56.5854643	56.6308	0		0	26

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(uq/ml)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Toluene					CAS #: 108-88-3		
1.885	32737736	194.095969	194.251	94	NBS75K.l	63028	26
Unknown					CAS #:		
1.998	2145464	12.7200578	12.7302	0		0	26
Unknown					CAS #:		
2.030	3952538	23.4338663	23.4526	0		0	26
Unknown					CAS #:		
2.249	6242107	37.0082958	37.0379	0		0	26
Unknown					CAS #:		
2.323	4294146	25.4591947	25.4796	0		0	26
Unknown					CAS #:		
2.398	1011399	5.99639886	6.00120	0		0	26
Ethylbenzene					CAS #: 100-41-4		
2.478	7068359	41.9069883	41.9405	94	NBS75K.l	63694	26
Unknown					CAS #:		
2.655	4417574	26.1909769	26.2119	0		0	26
Benzene, 1,3-dimethyl-					CAS #: 108-38-3		
2.697	18255451	108.233186	108.320	96	NBS75K.l	63697	26
Cyclohexanol, 1-methyl-					CAS #: 590-67-0		
2.735	10311271	61.1336125	61.1826	91	NBS75K.l	3010	26
Unknown					CAS #:		
2.831	2655131	15.7417802	15.7544	0		0	26
Unknown					CAS #:		
2.900	3651025	21.6462527	21.6636	0		0	26
Unknown					CAS #:		
2.975	1402237	8.31360237	8.32026	0		0	26
Cyclohexanol, 2-methyl-					CAS #: 583-59-5		
3.023	2438105	14.4550709	14.4666	90	NBS75K.l	3054	26
Cyclohexanol, 3-methyl-					CAS #: 591-23-1		
3.061	5048399	29.9310232	29.9550	97	NBS75K.l	64181	26
Benzene, propyl-					CAS #: 103-65-1		
3.103	984092	5.83450120	5.83917	93	NBS75K.l	64584	26
Benzene, 1-ethyl-3-methyl-					CAS #: 620-14-4		
3.151	6421775	38.0735154	38.1040	91	NBS75K.l	64565	26
Benzene, 1-ethyl-4-methyl-					CAS #: 622-96-8		
3.178	1535295	9.10247845	9.10977	94	NBS75K.l	64567	26

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(uq/ml)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
3.280	3427540	20.3212472	20.3375	94	NBS75K.l	64560	26
Benzene, 1,3,5-trimethyl-				CAS #: 108-67-8			
3.386	13519937	80.1571985	80.2214	94	NBS75K.l	64571	26
Unknown				CAS #:			
3.424	1150444	6.82077136	6.82623	0		0	26
Unknown				CAS #:			
3.488	2110397	12.5121523	12.5222	0		0	26
Cyclohexanol, 1-ethyl-				CAS #: 1940-18-7			
3.515	1272401	7.54383074	7.54987	95	NBS75K.l	65097	26
Benzene, 1,2,3-trimethyl-				CAS #: 526-73-8			
3.584	4141756	24.5557061	24.5754	91	NBS75K.l	3773	26
Unknown				CAS #:			
3.643	897040	5.31838363	5.32264	0		0	26
Benzene, 1-ethyl-2,3-dimethyl-				CAS #: 933-98-2			
3.792	1468535	8.70667465	8.71364	89	NBS75K.l	65556	26
Unknown				CAS #:			
4.124	1420512	18.0146707	18.0291	0		0	58
Unknown				CAS #:			
4.535	1570161	19.9124827	19.9284	0		0	58
Phenol, 2,4,6-trimethyl-				CAS #: 527-60-6			
4.738	1223332	15.5140735	15.5265	96	NBS75K.l	6595	58
Benzoic acid, 2-methyl-				CAS #: 118-90-1			
4.925	2971458	37.6834776	37.7136	93	NBS75K.l	65674	58
Unknown				CAS #:			
5.117	3499623	44.3815638	44.4171	0		0	58
Unknown				CAS #:			
5.502	1257340	15.9453517	15.9581	0		0	58
Unknown				CAS #:			
5.539	1503385	15.6747677	15.6873	0		0	96
Benzoic acid, 3,5-dimethyl-				CAS #: 499-06-9			
5.609	1496265	15.6005294	15.6130	93	NBS75K.l	66740	96
Benzoic acid, 3,5-dimethyl-				CAS #: 499-06-9			
5.812	1983016	20.6755505	20.6921	94	NBS75K.l	66740	96
2-Mercaptobenzothiazole				CAS #: 149-30-4			
8.328	1286310	12.2398105	12.2496	86	NBS75K.l	68033	135

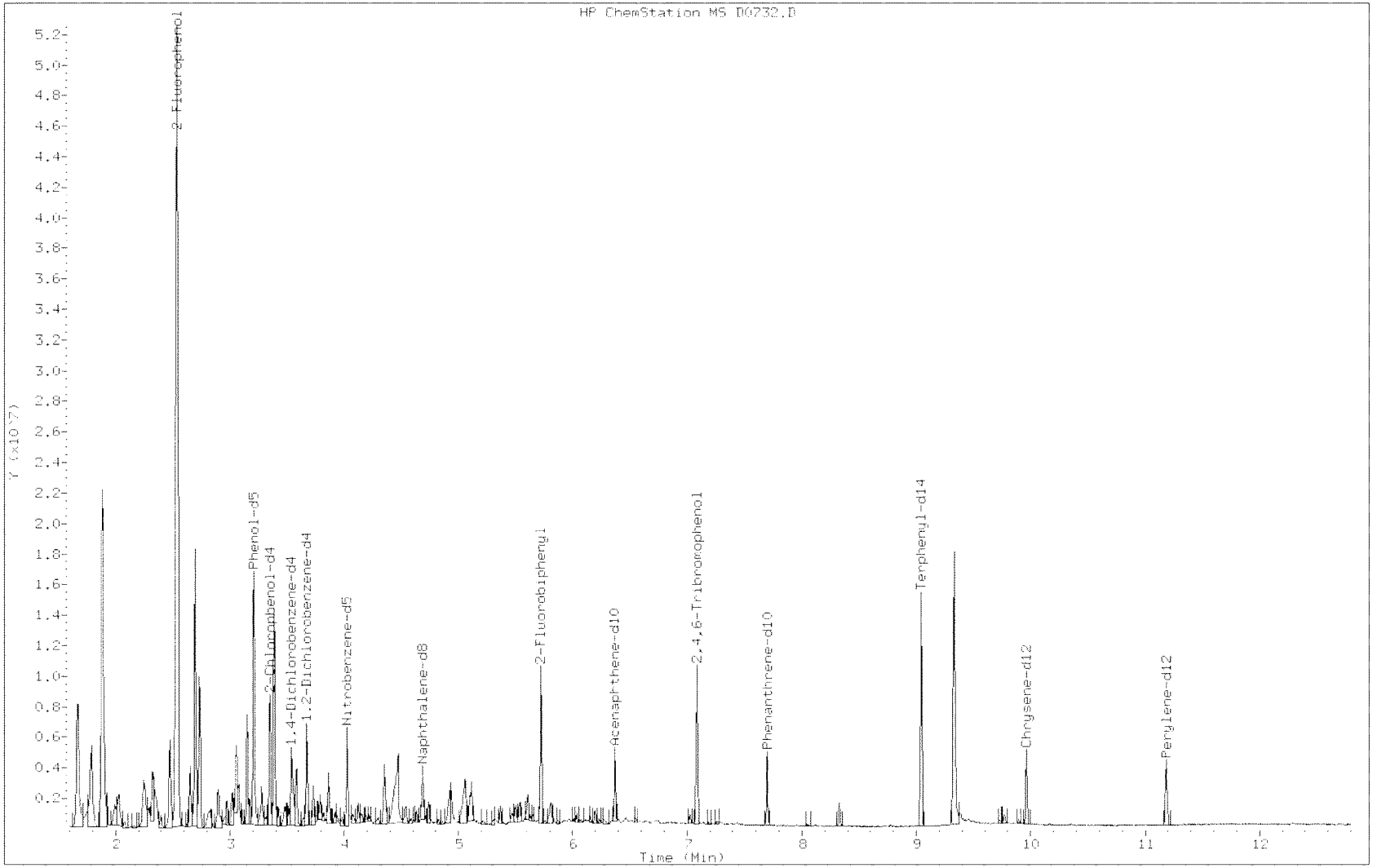
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(uq/ml)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
9.332	20953168	177.907312	178.050	0		0	166

Data File: D0732.D

Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm



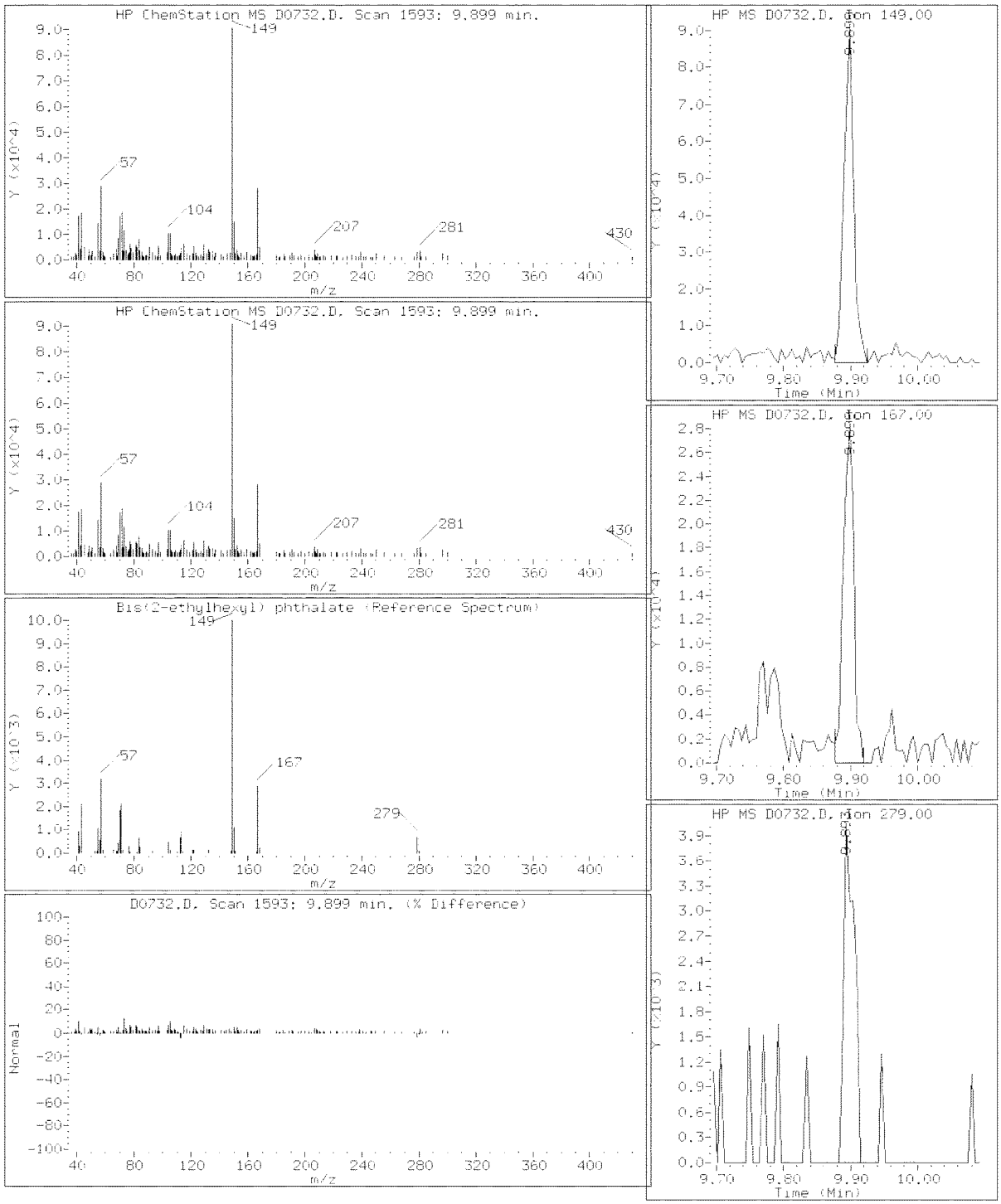
Data File: D0732.D

Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

162 Bis(2-ethylhexyl) phthalate



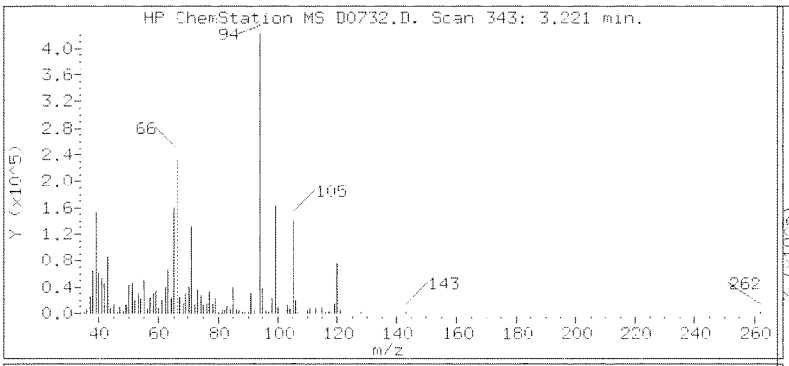
Data File: D0732.D

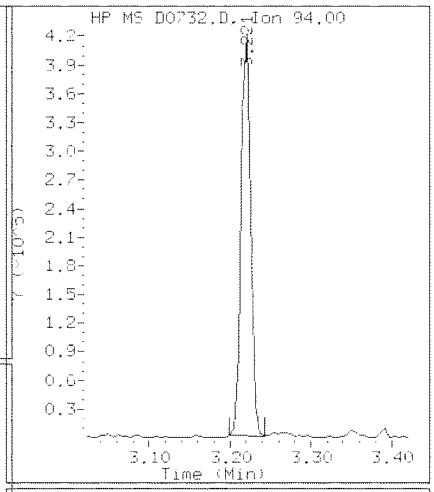
Date: 08-MAY-2012 16:09

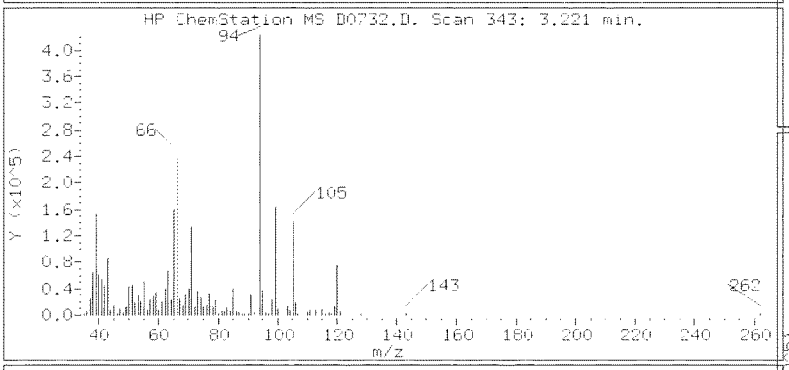
Client ID: MW02 Instrument: D.i

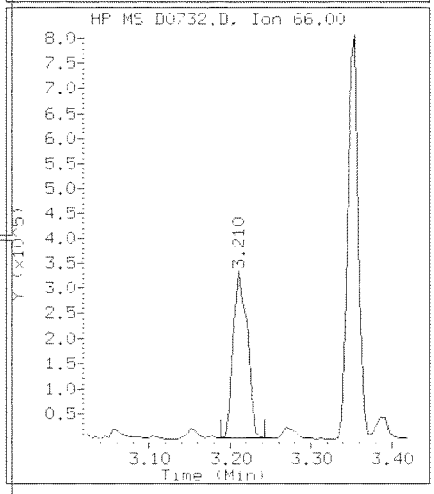
Sample Info: 280-28076-D-1-A Operator: hoffmanm

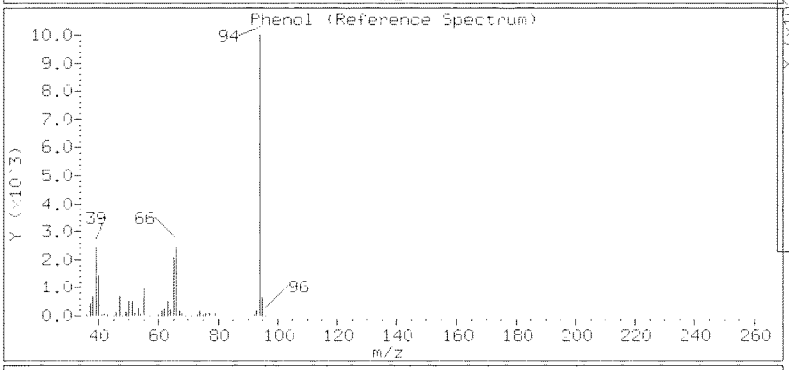
16 Phenol

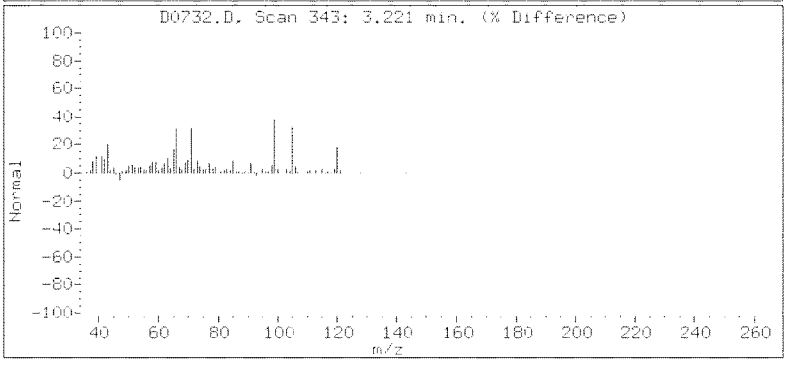












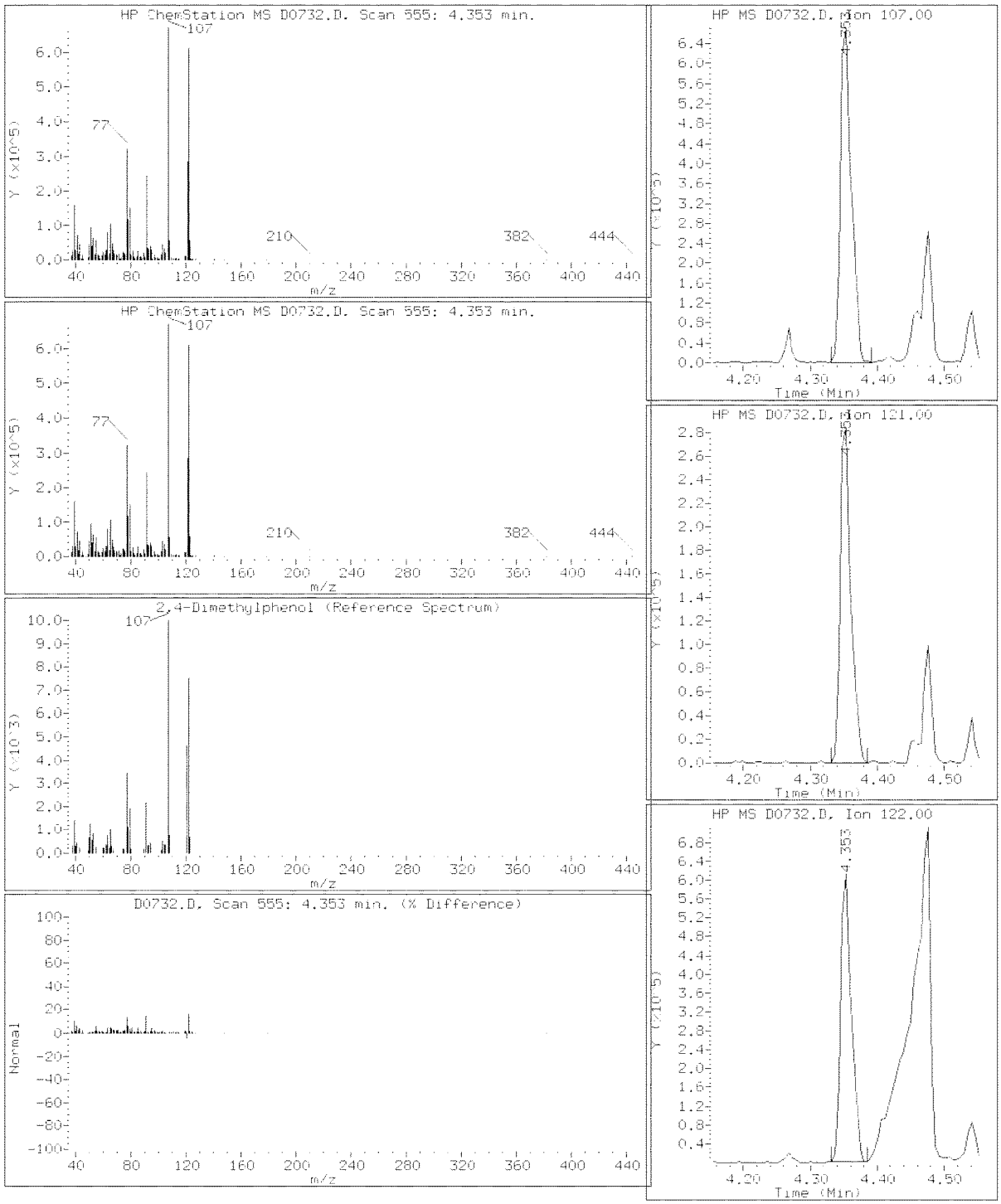
Data File: D0732.D

Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

50 2,4-Dimethylphenol



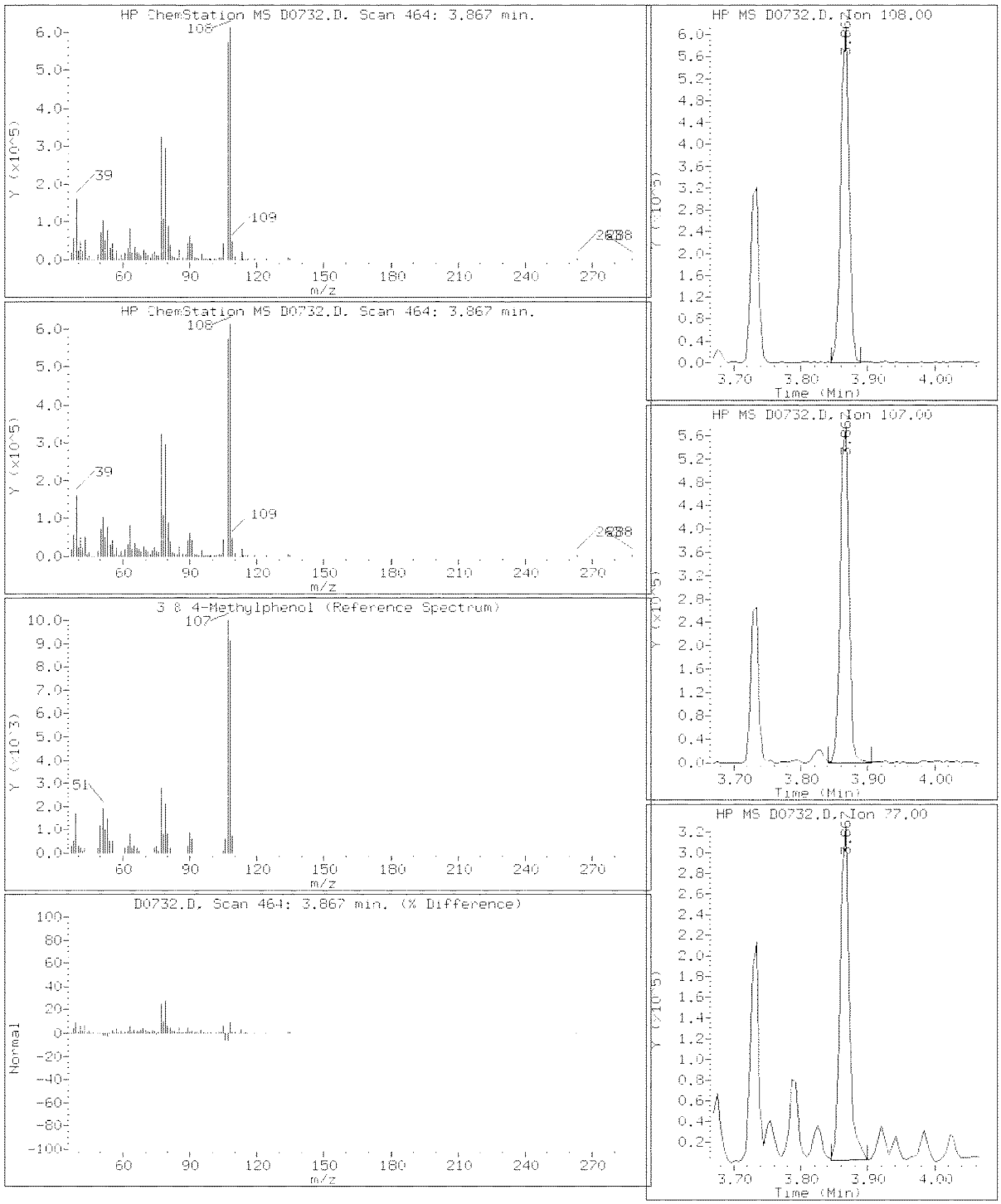
Data File: D0732.D

Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

139 3 & 4-Methylphenol



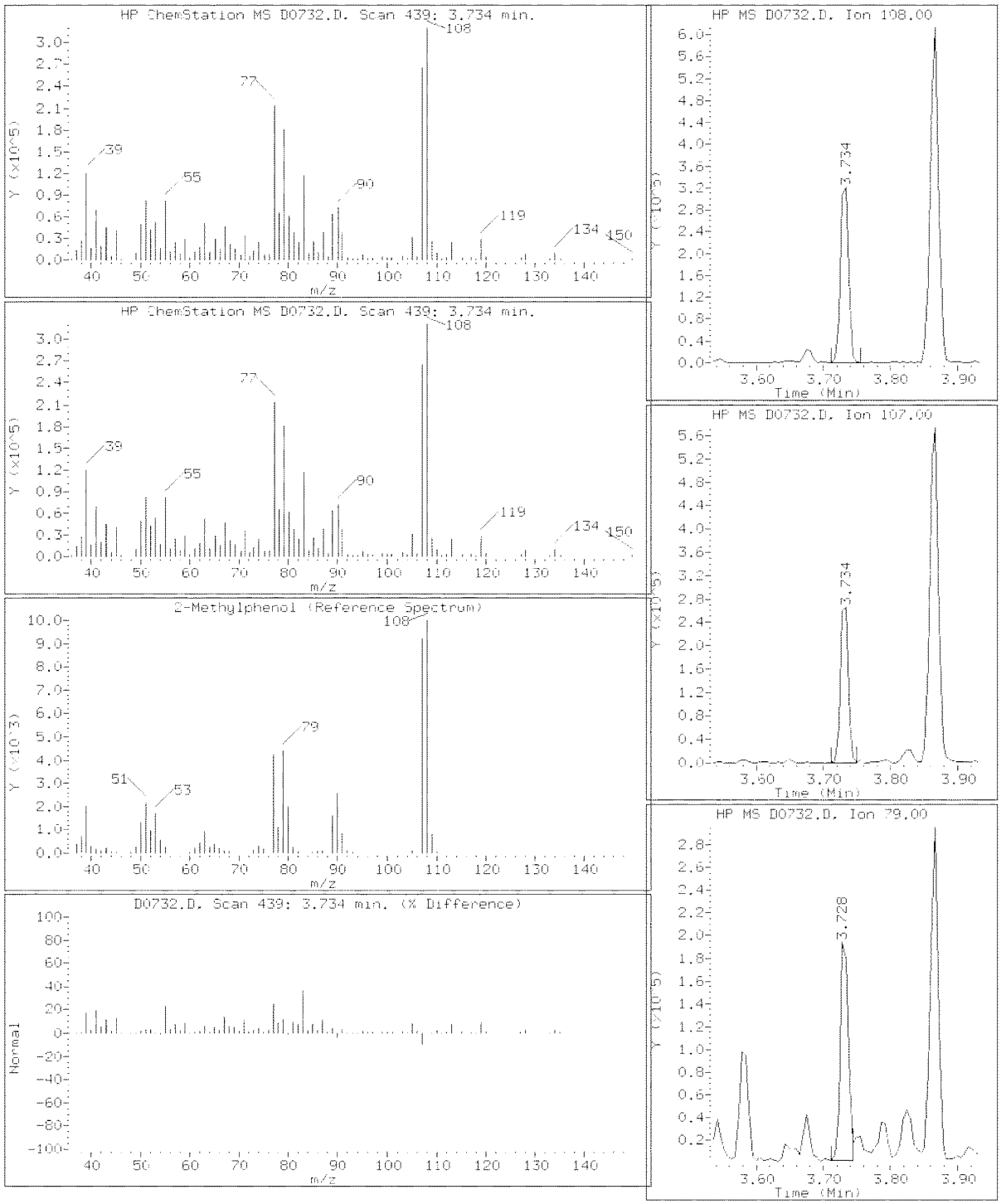
Data File: D0732.D

Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

32 2-Methylphenol



Data File: D0732.D

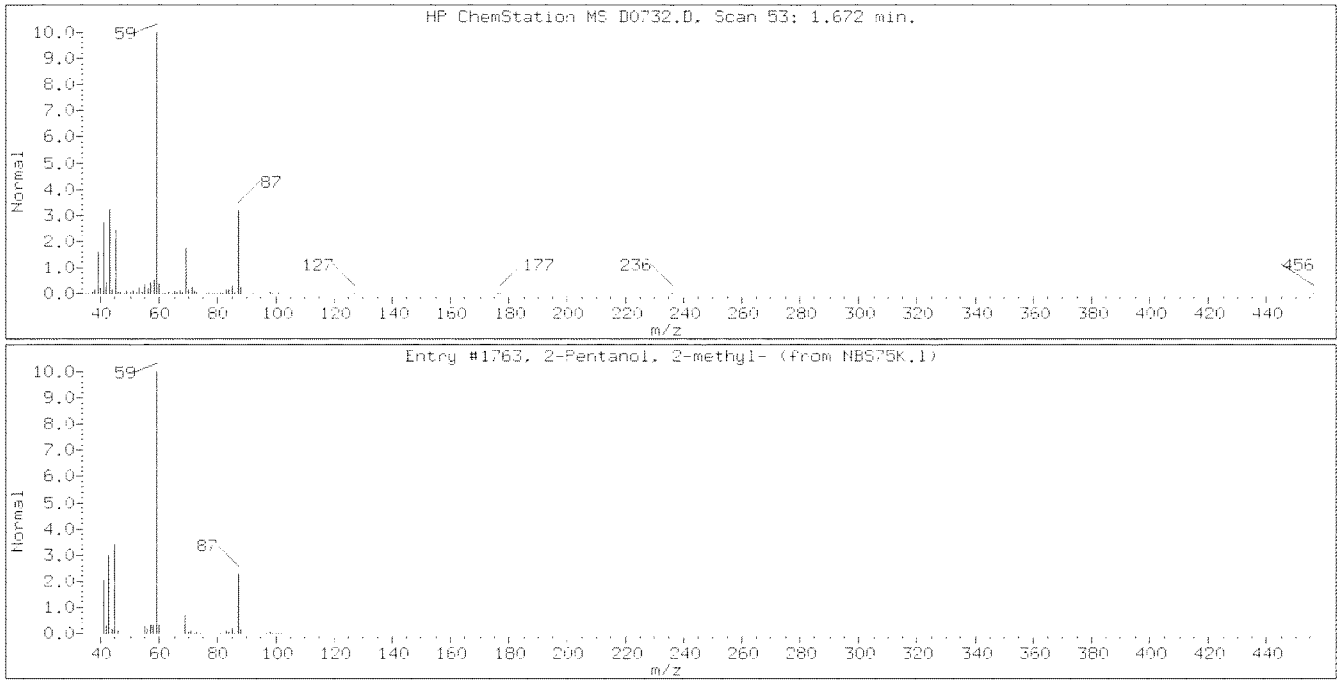
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 1.67

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanol, 2-methyl-	590-36-3	NBS75K.l	1763	83	C6H14O	102



Data File: D0732.D

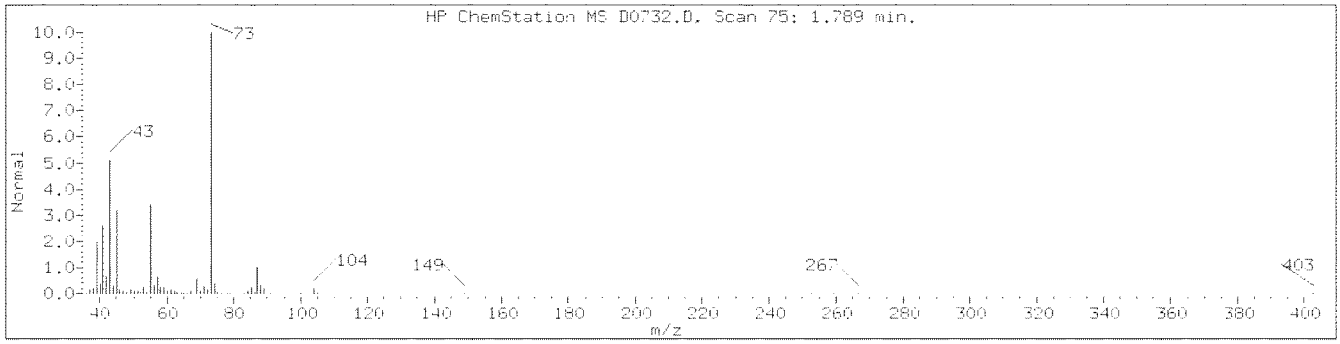
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 1.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

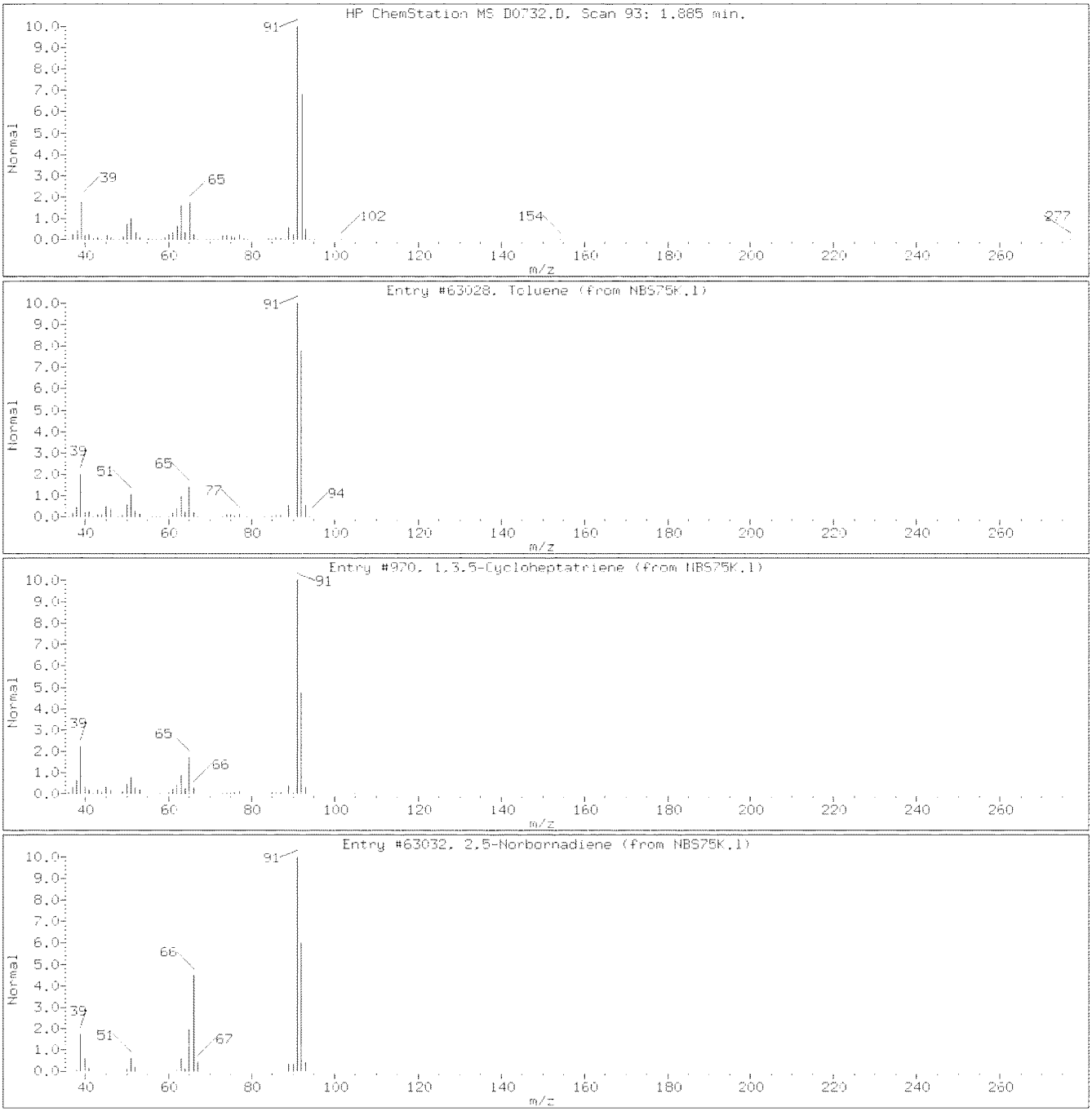
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 1.89

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NBS75K.1	63028	94	C7H8	92
1,3,5-Cycloheptatriene	544-25-2	NBS75K.1	970	87	C7H8	92
2,5-Norbornadiene	121-46-0	NBS75K.1	63032	80	C7H8	92



Data File: D0732.D

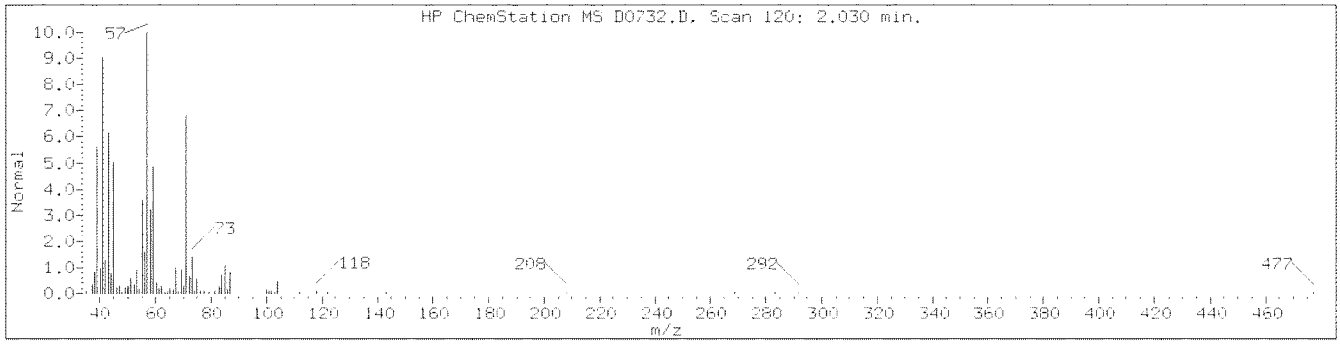
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.03

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

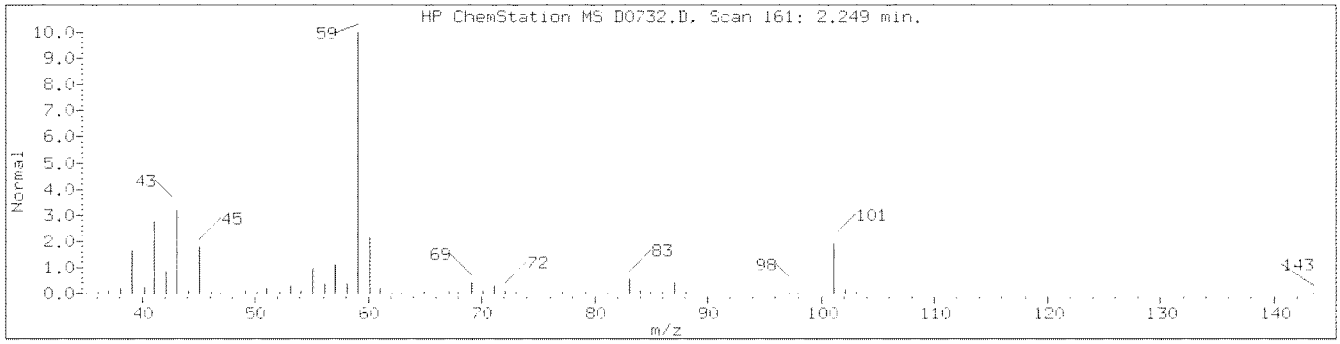
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

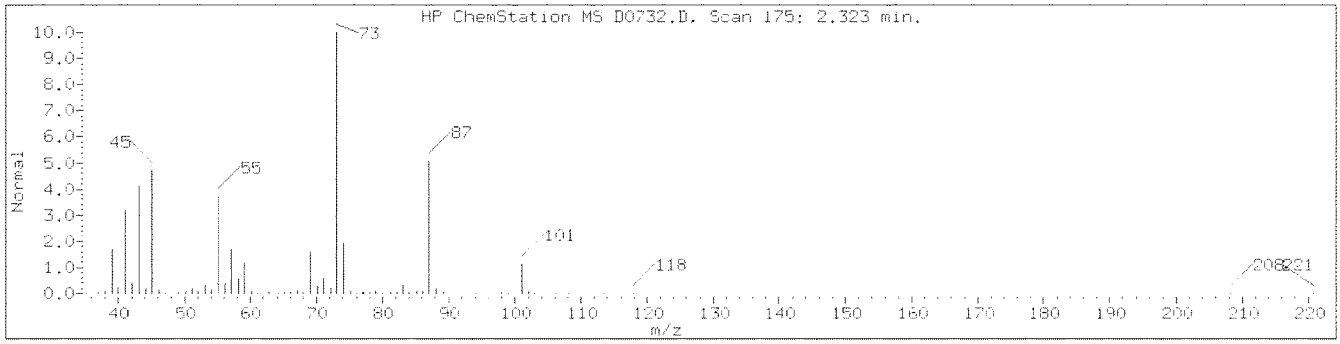
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

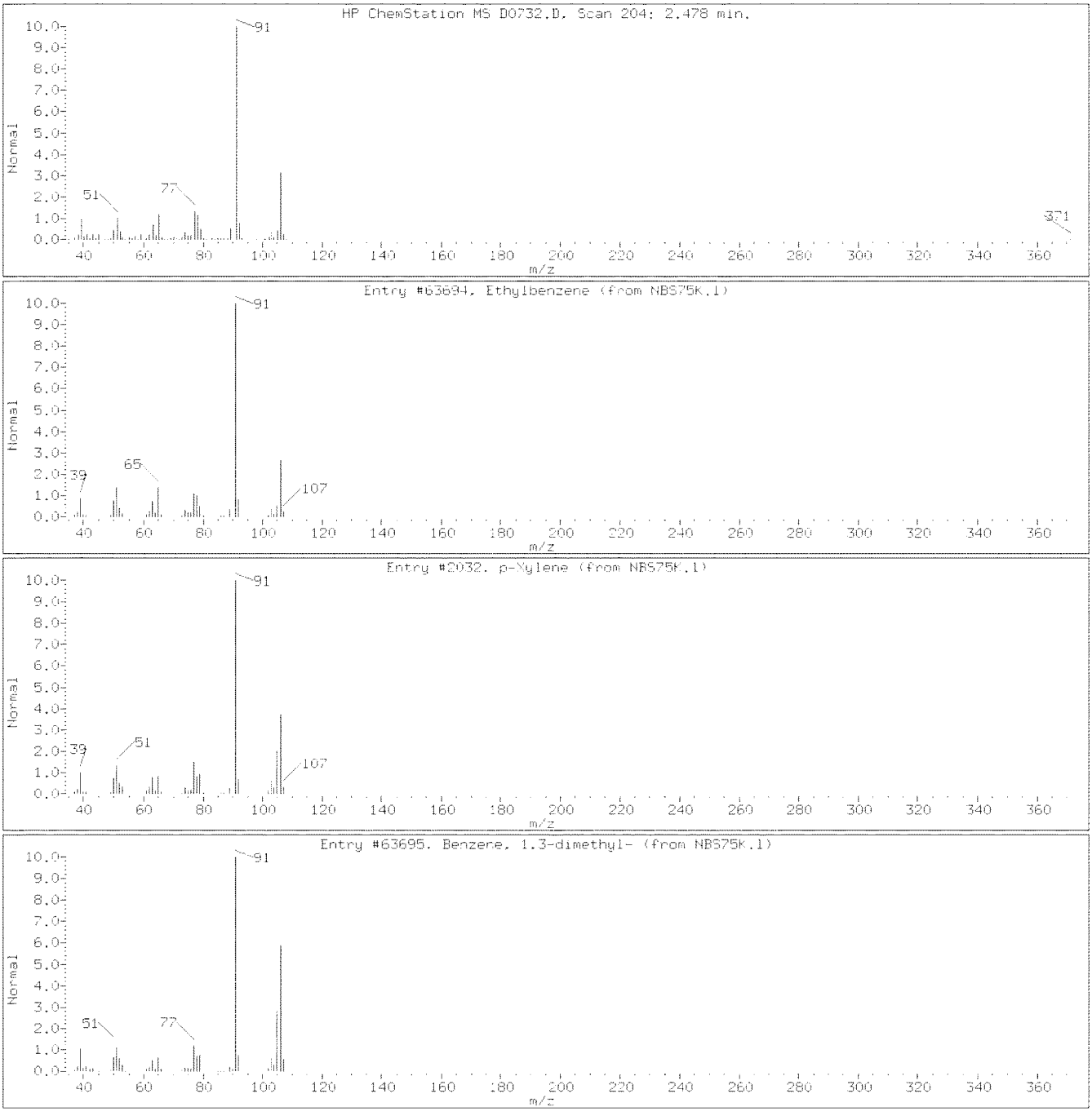
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.48

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylbenzene	100-41-4	NBS75K.l	63694	94	C8H10	106
p-Xylene	106-42-3	NBS75K.l	2032	91	C8H10	106
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.l	63695	86	C8H10	106



Data File: D0732.D

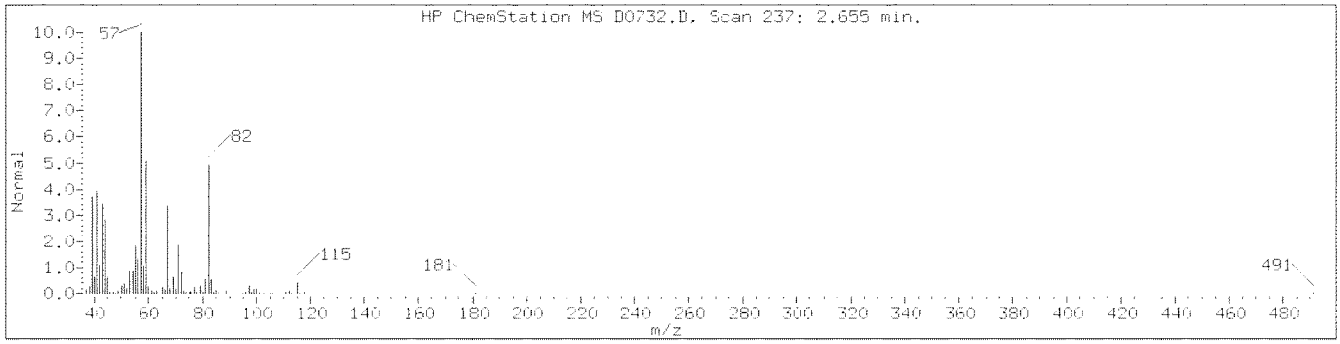
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.65

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

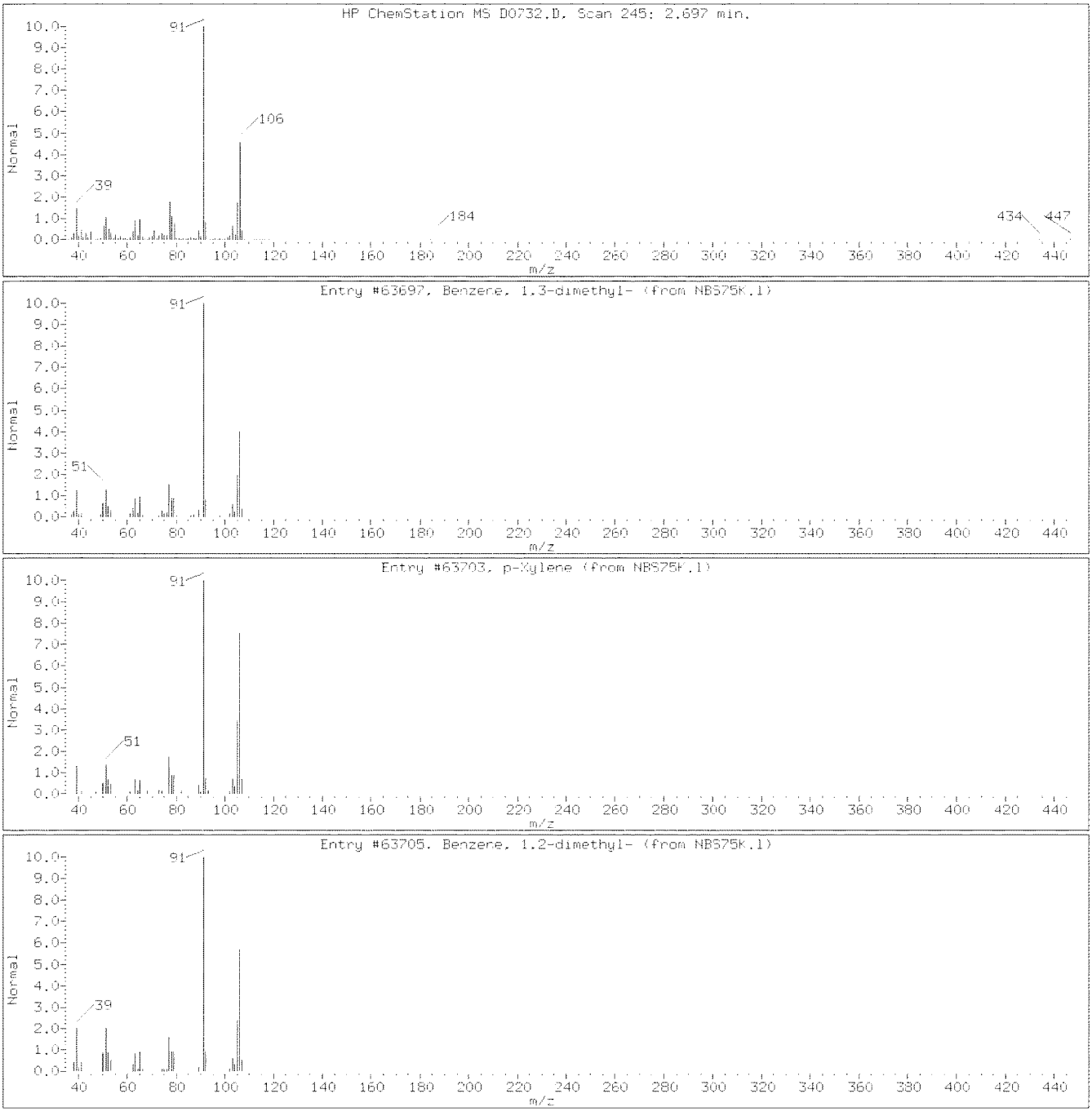
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.70

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.1	63697	96	C8H10	106
p-Xylene	106-42-3	NBS75K.1	63703	93	C8H10	106
Benzene, 1,2-dimethyl-	95-47-6	NBS75K.1	63705	91	C8H10	106



Data File: D0732.D

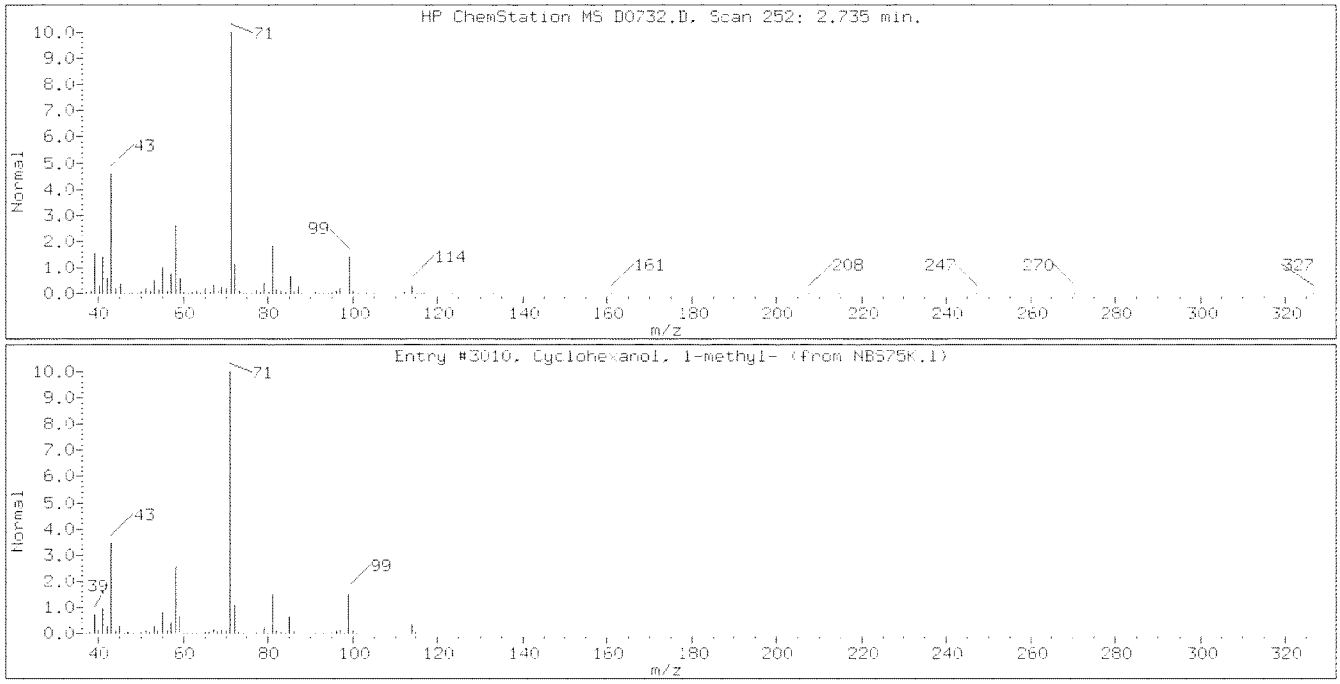
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.73

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexanol, 1-methyl-	590-67-0	NBS75K.l	3010	91	C7H14O	114



Data File: D0732.D

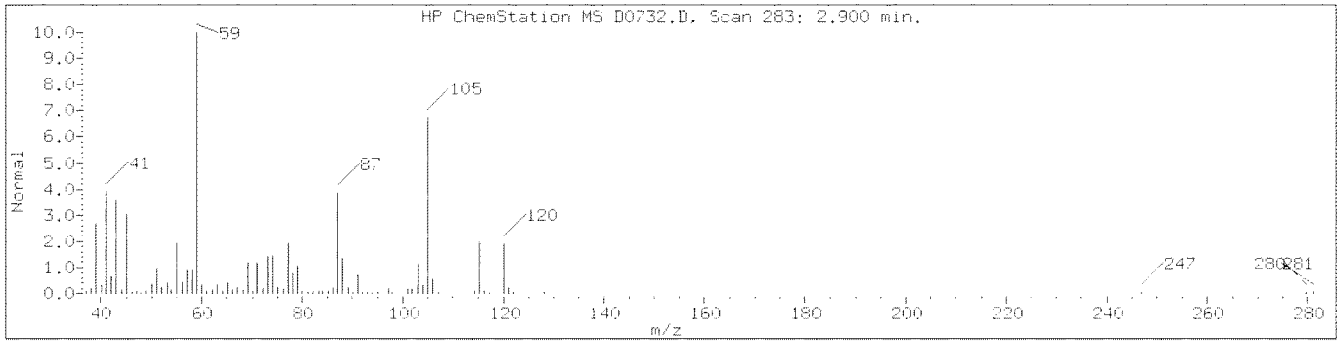
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 2.90

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

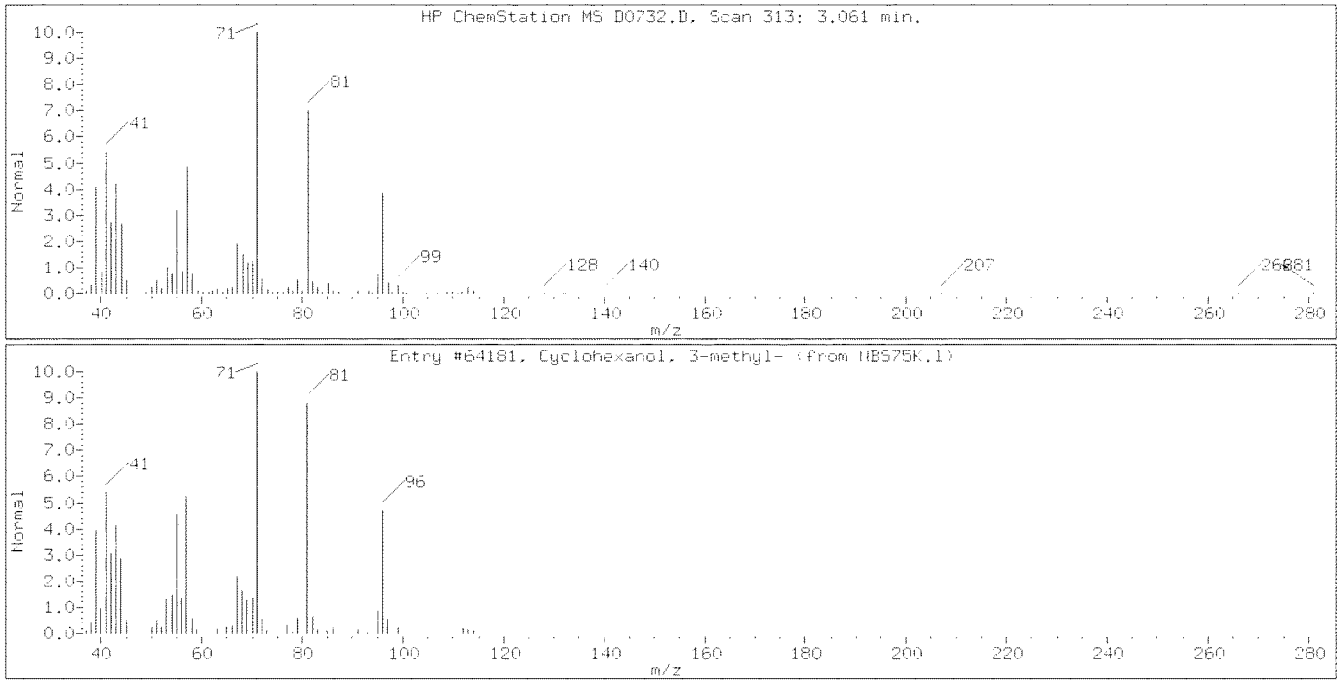
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 3.06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexanol, 3-methyl-	591-23-1	NBS75K.l	64181	97	C7H14O	114



Data File: D0732.D

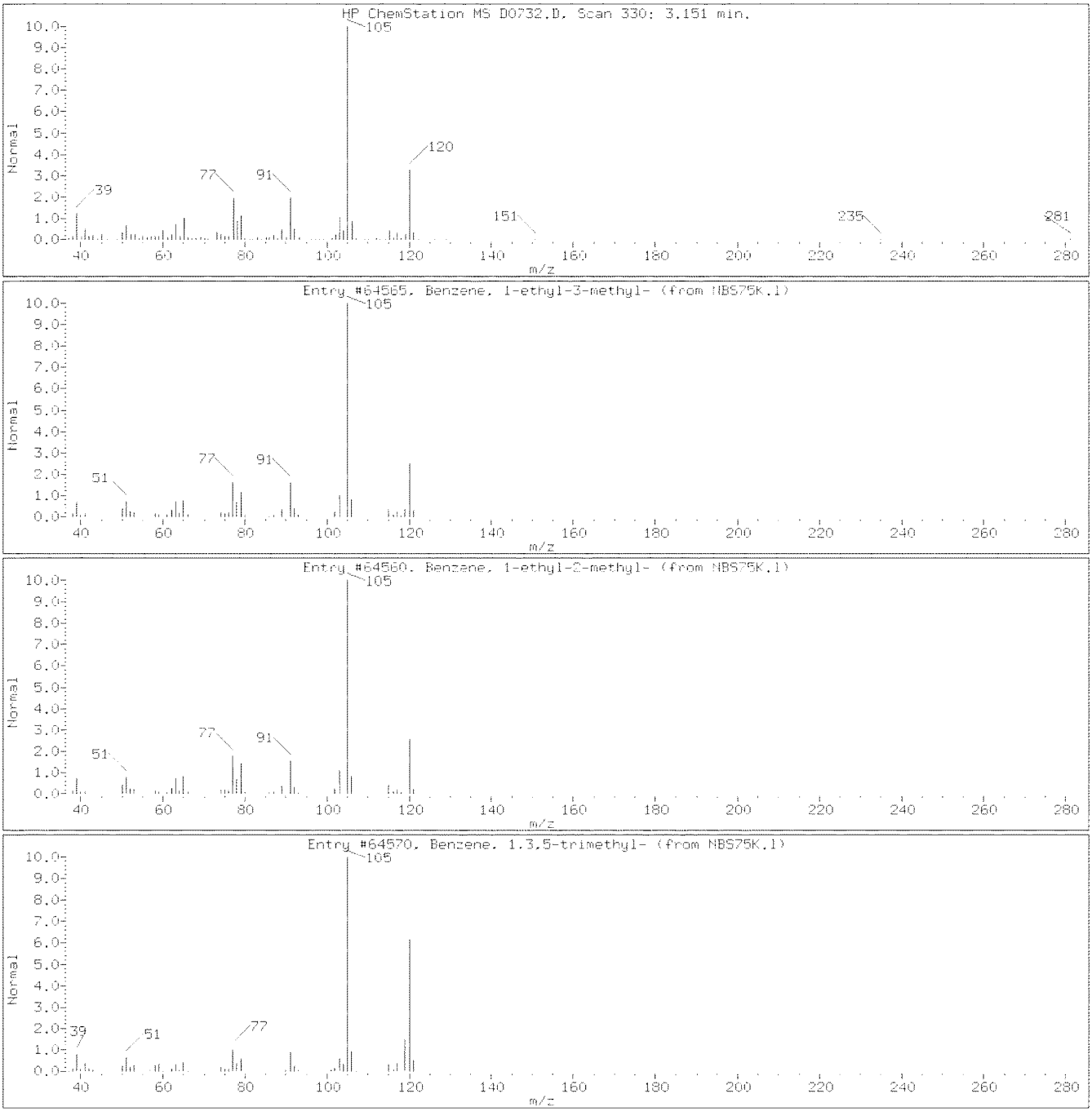
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 3.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.1	64565	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64560	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64570	91	C9H12	120



Data File: D0732.D

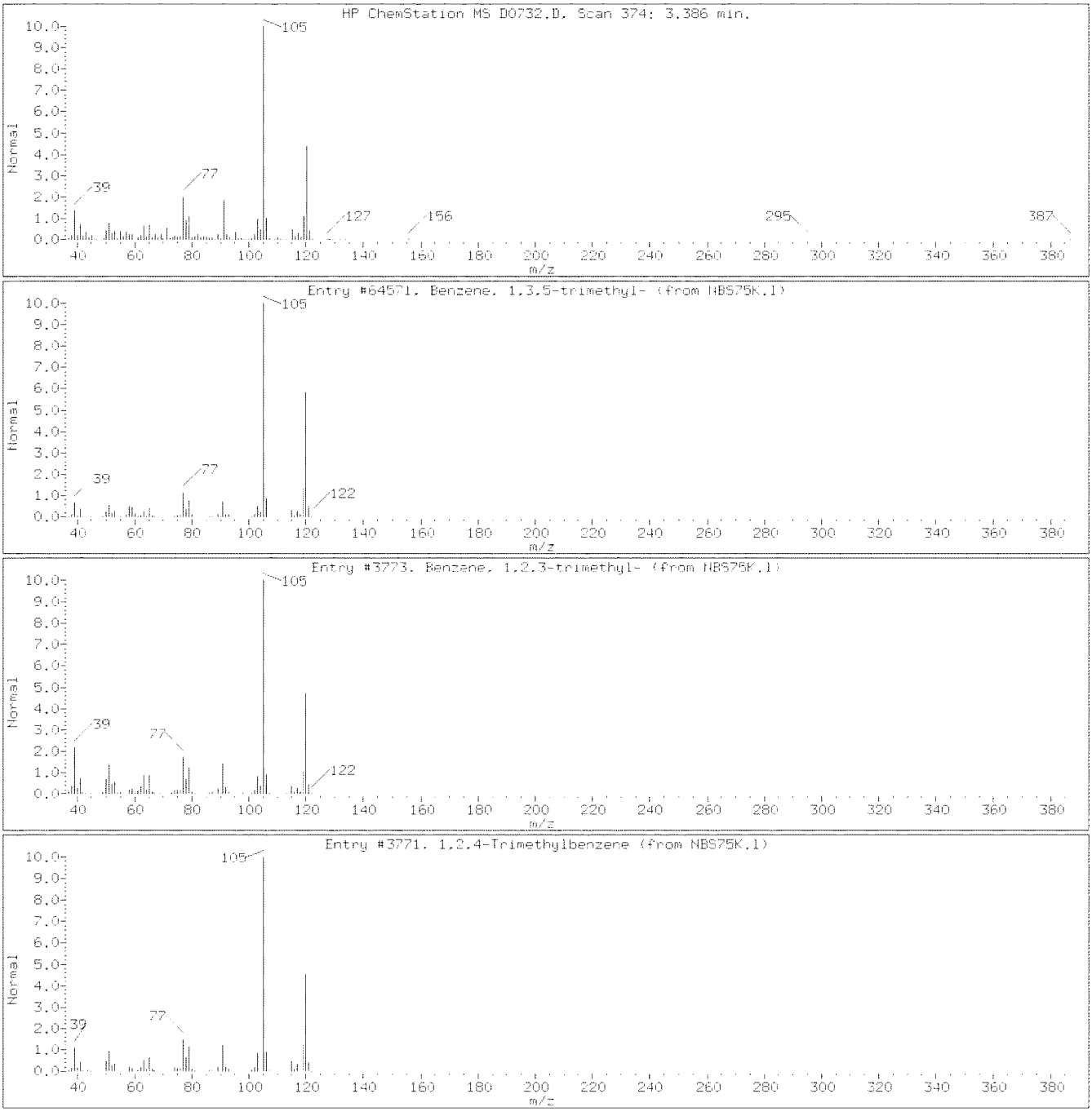
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 3.39

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64571	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	3773	94	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	93	C9H12	120



Data File: D0732.D

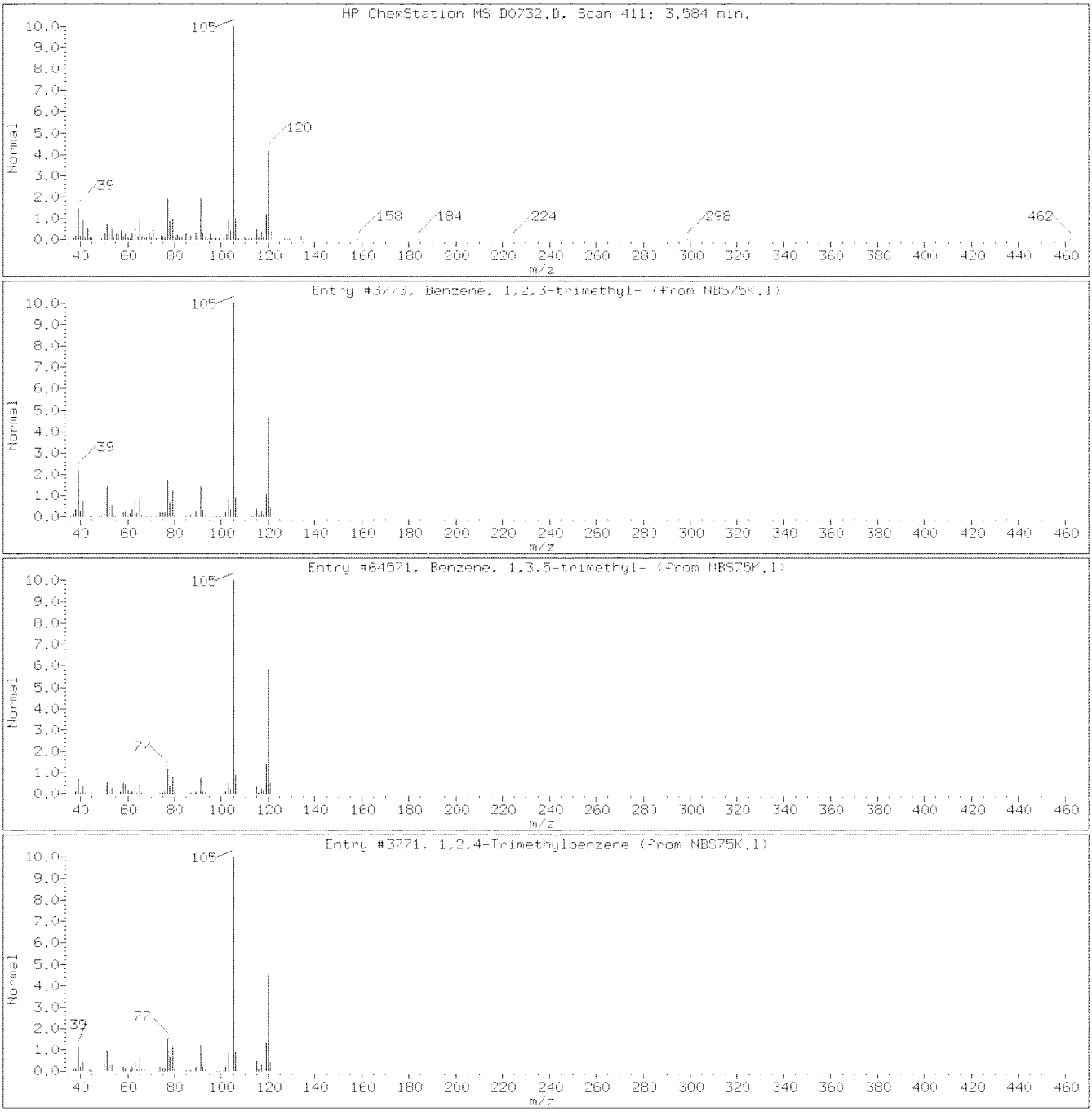
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 3.58

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	3773	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64571	91	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	91	C9H12	120



Data File: D0732.D

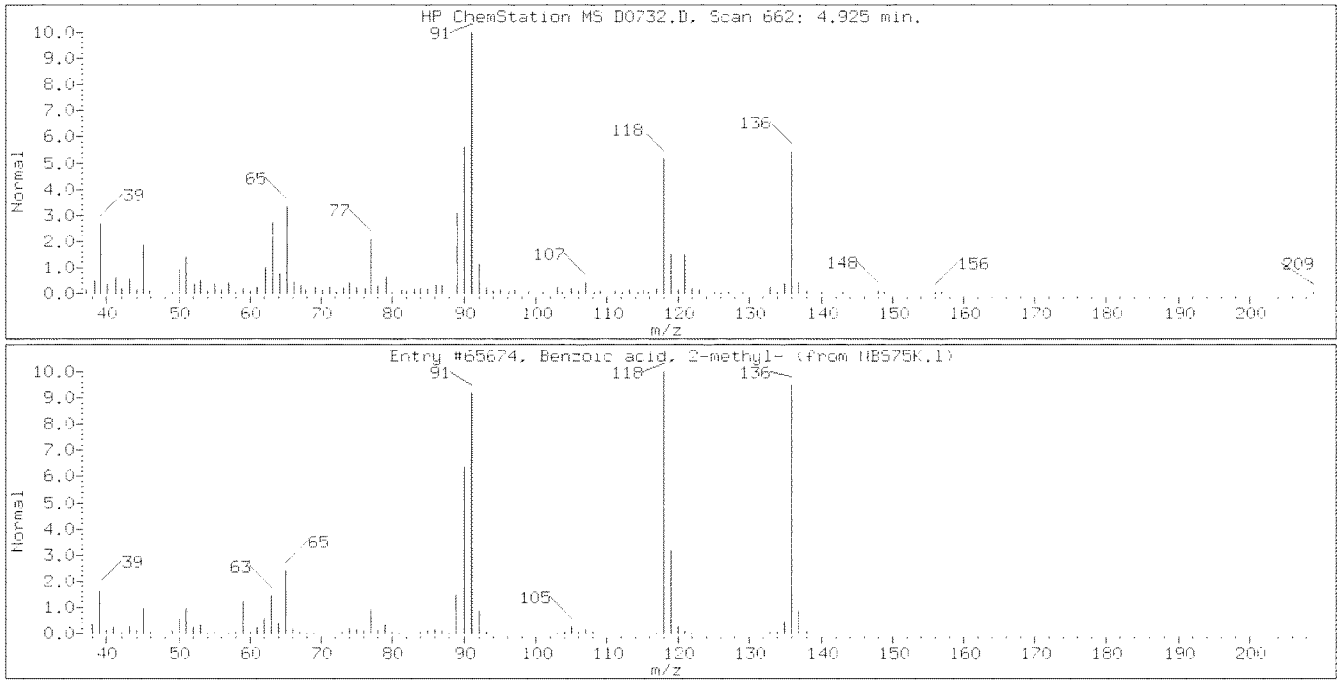
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 4.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzoic acid, 2-methyl-	118-90-1	NBS75K.l	65674	93	C8H8O2	136



Data File: D0732.D

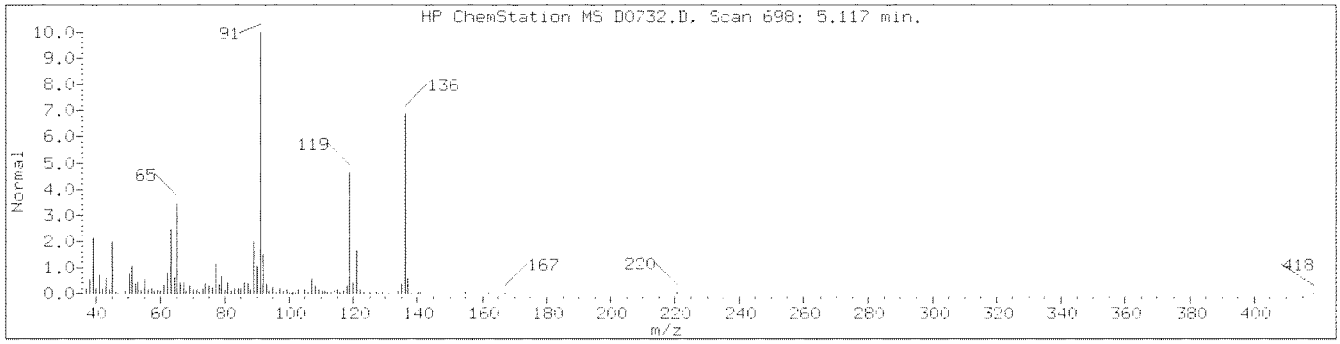
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 5.12

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0732.D

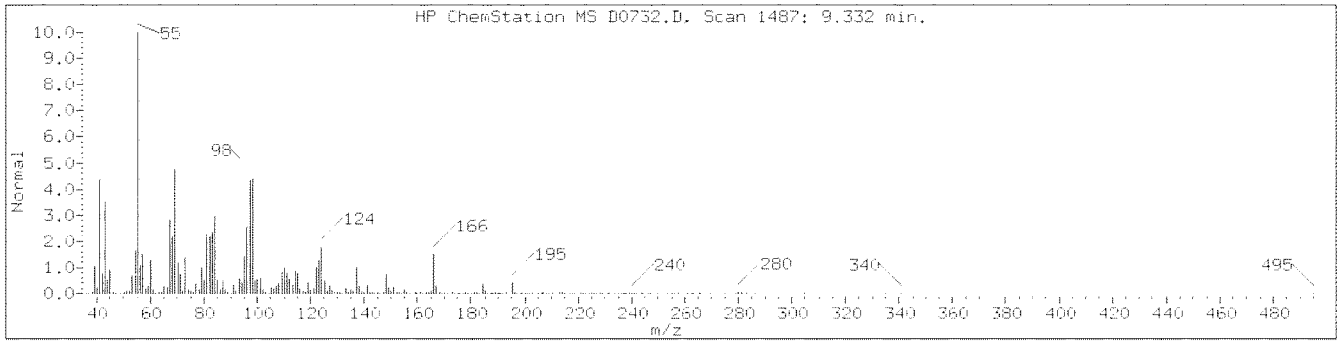
Date: 08-MAY-2012 16:09

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-D-1-A Operator: hoffmanm

Retention Time: 9.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 DL | Lab Sample ID: 280-28076-1 DL

Matrix: Water | Lab File ID: D0762.D

Analysis Method: 8270C | Date Collected: 04/22/2012 15:45

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 999.2(mL) | Date Analyzed: 05/09/2012 16:21

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119208 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	190		100	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	78	D	51-120
4165-62-2	Phenol-d5	86	D	51-120
4165-60-0	Nitrobenzene-d5	87	D	48-120
321-60-8	2-Fluorobiphenyl	83	D	38-120
1718-51-0	Terphenyl-d14	96	D	50-120

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

Lab Name: Test America Denver | Job No.: 280-28076-1
SDG No.:
Client Sample ID: MW02 DL | Lab Sample ID: 280-28076-1 DL
Matrix: Water | Lab File ID: D0762.D
Analysis Method: 8270C | Date Collected: 04/22/2012 15:45
Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07
Sample wt/vol: 999.2(mL) | Date Analyzed: 05/09/2012 16:21
Con. Extract Vol.: 1000(uL) | Dilution Factor: 4
Injection Volume: 0.5(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup: (Y/N) N
Analysis Batch No.: 119208 | Units: ug/L
Number TICs Found: 20 | TIC Result Total: 1742

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.65	170	T J
	Unknown	1.77	76	T J
108-88-3	Toluene	1.87	350	T J N
	Unknown	1.97	44	T J
	Unknown	2.23	83	T J
595-41-5	3-Pentanol, 2,3-dimethyl-	2.31	32	T J N
100-41-4	Ethylbenzene	2.47	92	T J N
	Unknown	2.65	61	T J
108-38-3	Benzene, 1,3-dimethyl-	2.69	180	T J N
590-67-0	Cyclohexanol, 1-methyl-	2.73	110	T J N
591-23-1	Cyclohexanol, 3-methyl-	3.05	64	T J N
620-14-4	Benzene, 1-ethyl-3-methyl-	3.15	58	T J N
	Benzene, ethyl-methyl-	3.28	32	T J N
526-73-8	Benzene, 1,2,3-trimethyl-	3.38	140	T J N
	Benzene, ethyl-methyl-	3.58	44	T J N
	Unknown	4.90	32	T J
103-82-2	Benzeneacetic acid	4.92	33	T J N
99-04-7	Benzoic acid, 3-methyl-	5.02	67	T J N
	Unknown	5.08	33	T J
	Unknown	9.34	41	T J

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0762.D
Lab Smp Id: 280-28076-D-1-A Client Smp ID: MW02
Inj Date : 09-MAY-2012 16:21
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28076-d-1-a,4,
Misc Info : 280-28076-D-1-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\8270C.m
Meth Date : 10-May-2012 07:39 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 9
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	999.200	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.537	3.540	(1.000)	330779	40.0000	
* 58 Naphthalene-d8	136	4.691	4.689	(1.000)	1192231	40.0000	
* 96 Acenaphthene-d10	164	6.374	6.366	(1.000)	814461	40.0000	
* 135 Phenanthrene-d10	188	7.704	7.702	(1.000)	1499274	40.0000	
* 166 Chrysene-d12	240	9.990	9.988	(1.000)	1762403	40.0000	
* 179 Perylene-d12	264	11.246	11.244	(1.000)	1619856	40.0000	
$ 8 2-Fluorophenol	112	2.511	2.510	(0.710)	330511	29.2305	117.016(Q)
$ 15 Phenol-d5	99	3.201	3.204	(0.905)	464571	32.0635	128.356
$ 43 Nitrobenzene-d5	82	4.023	4.027	(0.858)	338989	21.8454	87.4516
$ 81 2-Fluorobiphenyl	172	5.722	5.720	(0.898)	548287	20.6518	82.6735
$ 118 2,4,6-Tribromophenol	330	7.090	7.088	(1.112)	175828	41.4714	166.018
$ 154 Terphenyl-d14	244	9.056	9.048	(0.906)	781407	23.9857	96.0197
$ 29 1,2-Dichlorobenzene-d4	152	3.676	3.674	(1.039)	151148	17.3243	69.3525
$ 22 2-Chlorophenol-d4	132	3.345	3.348	(0.946)	334392	26.8409	107.450
4 1,4-Dioxane	88	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
16	Phenol	94	3.211	3.215	(0.908)	74391	5.05616	20.2408(aQ)
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
32	2-Methylphenol	108	3.729	3.728	(1.054)	64172	5.99130	23.9844(a)
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	3.863	3.866	(1.092)	115904	10.3287	41.3478
36	4-Methylphenol	108	3.863	3.866	(1.092)	115904	10.3287	41.3478
139	3 & 4-Methylphenol	108	3.863	3.866	(1.092)	115904	10.3287	41.3478
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
50	2,4-Dimethylphenol	107	4.349	4.347	(0.927)	179460	14.6851	58.7875
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	4.419	4.427	(0.942)	292270	48.3744	193.652
54	2,4-Dichlorophenol	162	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59	Naphthalene	128	4.707	4.705	(1.003)	50282	1.55515	6.22560(a)
60	4-Chloroaniline	127	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.370	5.368	(1.145)	39644	1.77567	7.10837(a)
72	1-Methylnaphthalene	142	5.471	5.464	(1.166)	17430	0.82766	3.31328(aQ)
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

EPAPAV0011835

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
86	2-Chloronaphthalene	162	Compound Not Detected.					
88	2-Nitroaniline	65	Compound Not Detected.					
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	Compound Not Detected.					
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	Compound Not Detected.					
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	Compound Not Detected.					
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0011836

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	9.921	9.914	(0.993)	23203	0.91919	3.67969(a)
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0762.D
Lab Smp Id: 280-28076-D-1-A Client Smp ID: MW02
Inj Date : 09-MAY-2012 16:21
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28076-d-1-a,4,
Misc Info : 280-28076-D-1-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\8270C.m
Meth Date : 10-May-2012 07:39 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 9
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	999.200	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 26 1,4-Dichlorobenzene-d4	3.538	3452837	40.000
* 58 Naphthalene-d8	4.692	3087991	40.000
* 96 Acenaphthene-d10	6.374	3662977	40.000
* 166 Chrysene-d12	9.991	4705548	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/ml)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.481	653113	7.56609812	30.2886	0		0	26
Unknown				CAS #:			
1.652	3670869	42.5258245	170.239	0		0	26
Unknown				CAS #:			
1.775	1629085	18.8724238	75.5501	0		0	26

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(uq/ml)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Toluene					CAS #: 108-88-3		
1.871	7619754	88.2723800	353.372	94	NBS75K.l	63028	26
Unknown					CAS #:		
1.972	952944	11.0395504	44.1936	0		0	26
Unknown					CAS #:		
2.015	600453	6.95604827	27.8465	0		0	26
Unknown					CAS #:		
2.229	1796173	20.8080777	83.2989	0		0	26
Unknown					CAS #:		
2.293	454002	5.25946478	21.0547	0		0	26
3-Pentanol, 2,3-dimethyl-					CAS #: 595-41-5		
2.314	699031	8.09804736	32.4181	90	NBS75K.l	64375	26
Ethylbenzene					CAS #: 100-41-4		
2.469	1994277	23.1030461	92.4862	90	NBS75K.l	63694	26
Unknown					CAS #:		
2.646	1321094	15.3044497	61.2668	0		0	26
Benzene, 1,3-dimethyl-					CAS #: 108-38-3		
2.688	3829364	44.3619351	177.590	96	NBS75K.l	63697	26
Cyclohexanol, 1-methyl-					CAS #: 590-67-0		
2.726	2344904	27.1649508	108.747	90	NBS75K.l	3010	26
Unknown					CAS #:		
2.779	396763	4.59637398	18.4002	0		0	26
Unknown					CAS #:		
2.875	349368	4.04731345	16.2022	0		0	26
Unknown					CAS #:		
2.891	516736	5.98622042	23.9640	0		0	26
Cyclohexanol, 2-methyl-					CAS #: 583-59-5		
3.014	602495	6.97971000	27.9412	90	NBS75K.l	64190	26
Cyclohexanol, 3-methyl-					CAS #: 591-23-1		
3.052	1375867	15.9389772	63.8070	93	NBS75K.l	64181	26
Benzene, 1-ethyl-3-methyl-					CAS #: 620-14-4		
3.148	1260749	14.6053634	58.4682	91	NBS75K.l	64562	26
Benzene, 1-ethyl-4-methyl-					CAS #: 622-96-8		
3.276	698259	8.08910518	32.3823	94	NBS75K.l	64567	26
Benzene, 1,2,3-trimethyl-					CAS #: 526-73-8		
3.383	3075762	35.6317029	142.641	94	NBS75K.l	3773	26

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(uq/ml)	FINAL(uq/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3.580	950733	11.0139383	44.0910	94	NBS75K.l	64567	26
3.789	376755	4.36458950	17.4723	0		0	26
4.125	532077	6.89220545	27.5909	0		0	58
4.740	328133	4.25043955	17.0154	81	NBS75K.l	65735	58
4.900	611916	7.92639787	31.7310	0		0	58
4.916	631853	8.18464436	32.7648	81	NBS75K.l	6478	58
5.023	1297379	16.8054784	67.2757	90	NBS75K.l	65695	58
5.076	641209	8.30584061	33.2500	0		0	58
5.514	374008	4.84467494	19.3942	0		0	58
5.578	500967	5.47060230	21.8999	0		0	96
5.792	409689	4.47383164	17.9096	86	NBS75K.l	9716	96
9.339	1210798	10.2925160	41.2030	0		0	166

Benzene, 1-ethyl-4-methyl- CAS #: 622-96-8

Unknown CAS #:

Unknown CAS #:

Phenol, 2,3,5-trimethyl- CAS #: 697-82-5

Unknown CAS #:

Benzeneacetic acid CAS #: 103-82-2

Benzoic acid, 3-methyl- CAS #: 99-04-7

Unknown CAS #:

Unknown CAS #:

Unknown CAS #:

Benzoic acid, 2,3-dimethyl- CAS #: 603-79-2

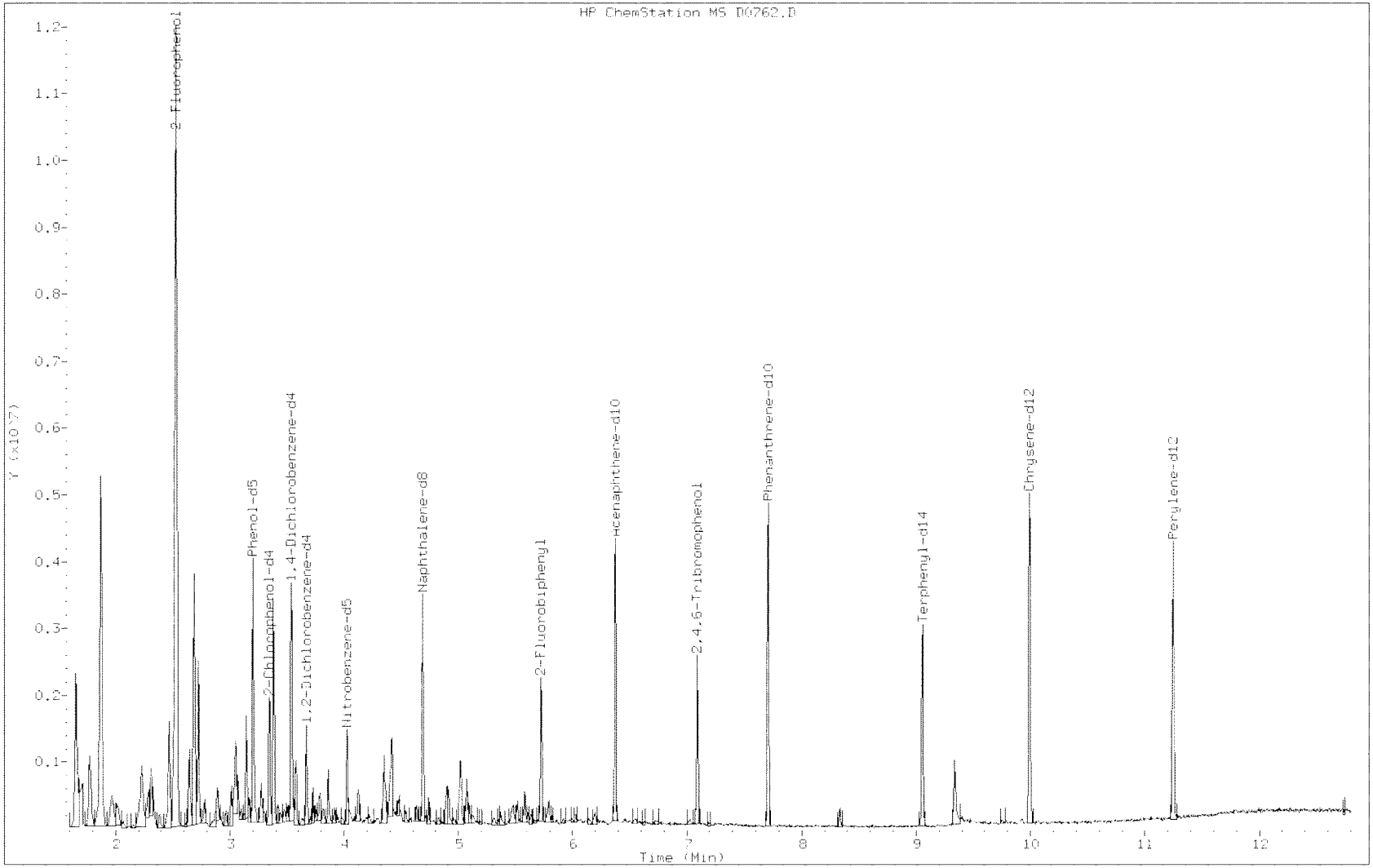
Unknown CAS #:

Data File: D0762.D

Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm



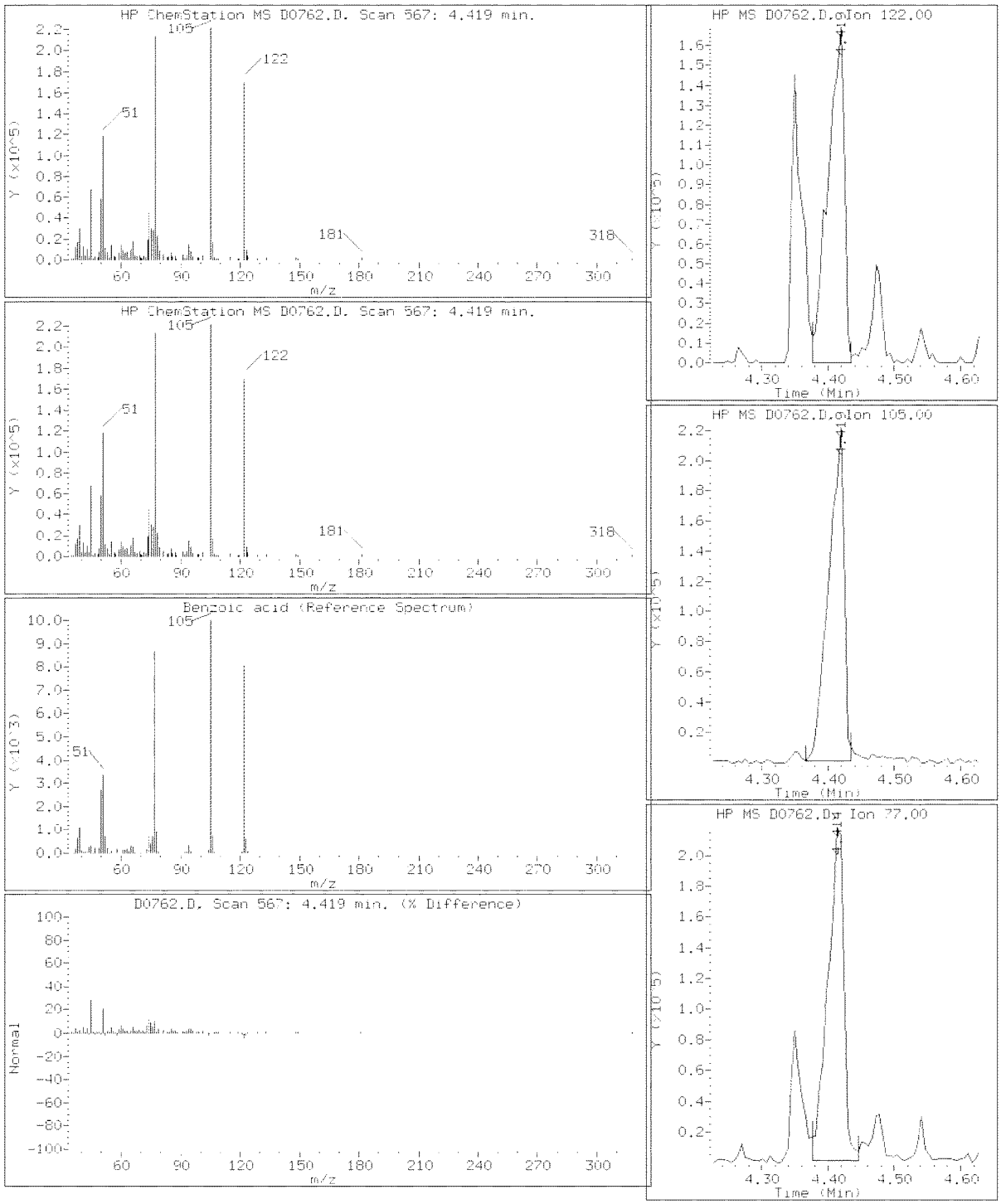
Data File: D0762.D

Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

53 Benzoic acid



Data File: D0762.D

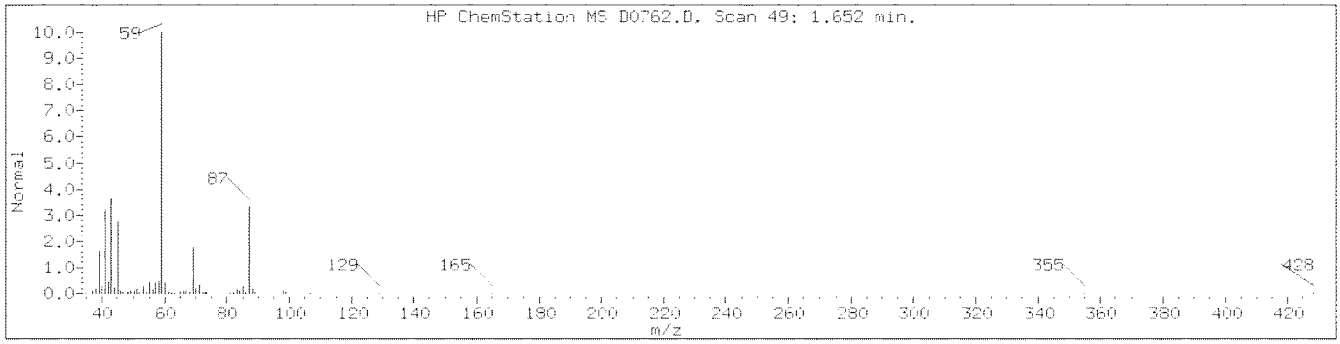
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 1.65

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

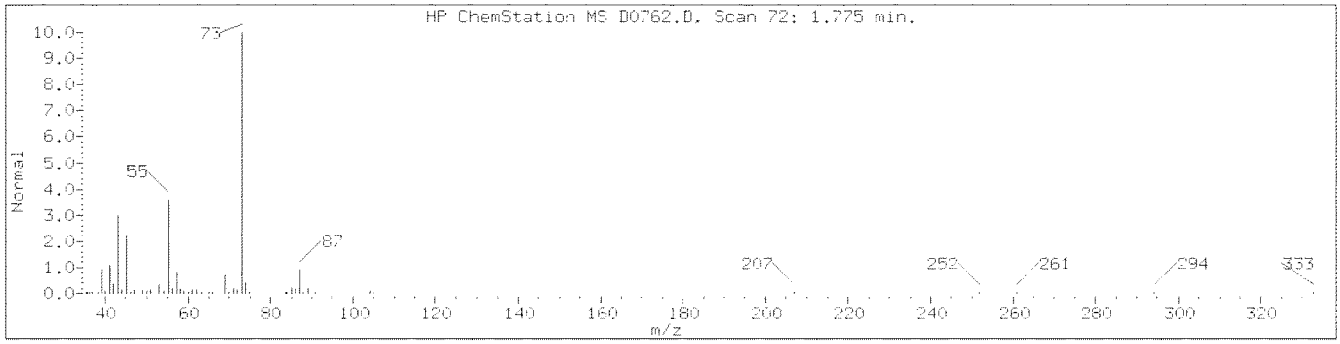
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 1.77

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

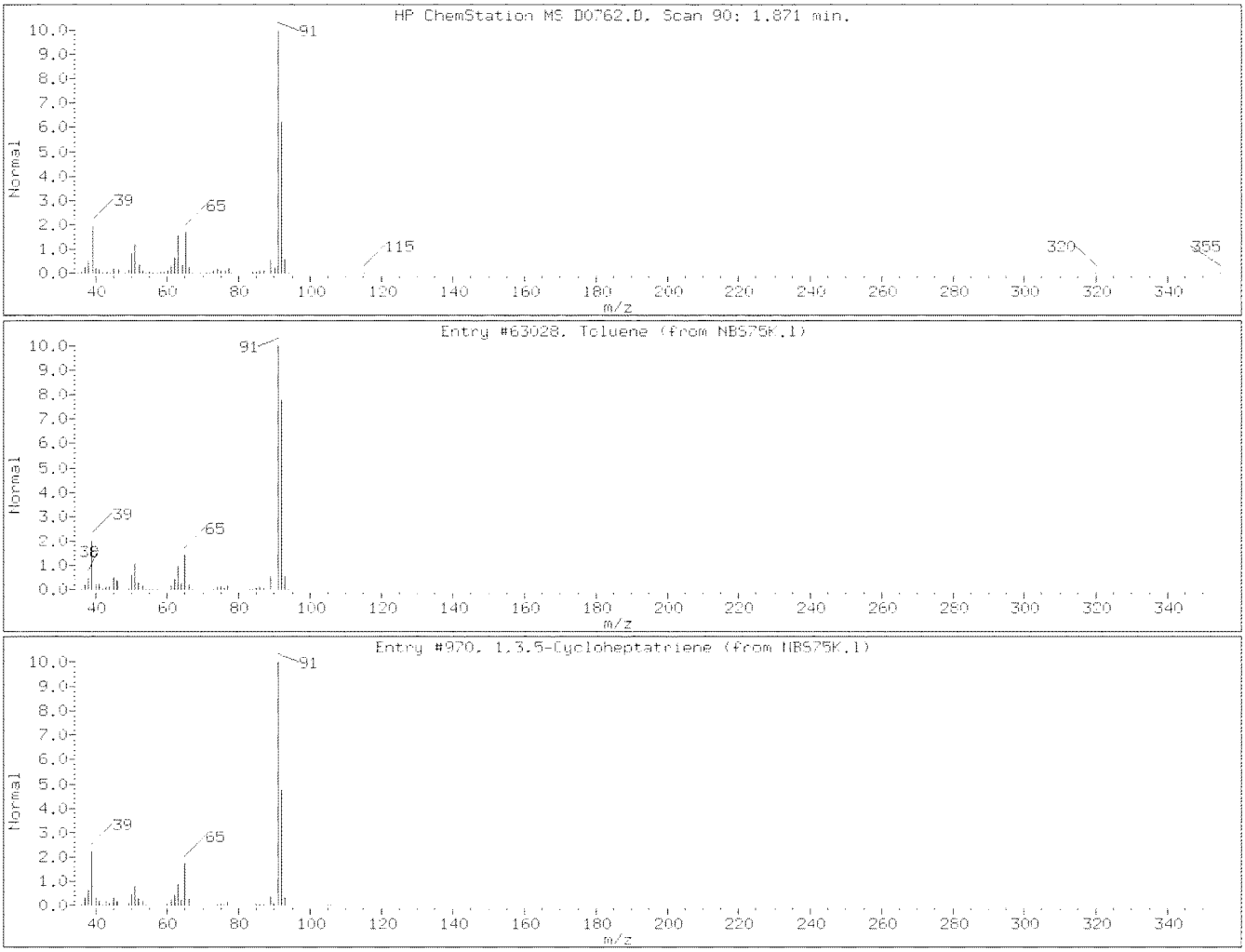
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 1.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NBS75K.1	63028	94	C7H8	92
1,3,5-Cycloheptatriene	544-25-2	NBS75K.1	970	86	C7H8	92



Data File: D0762.D

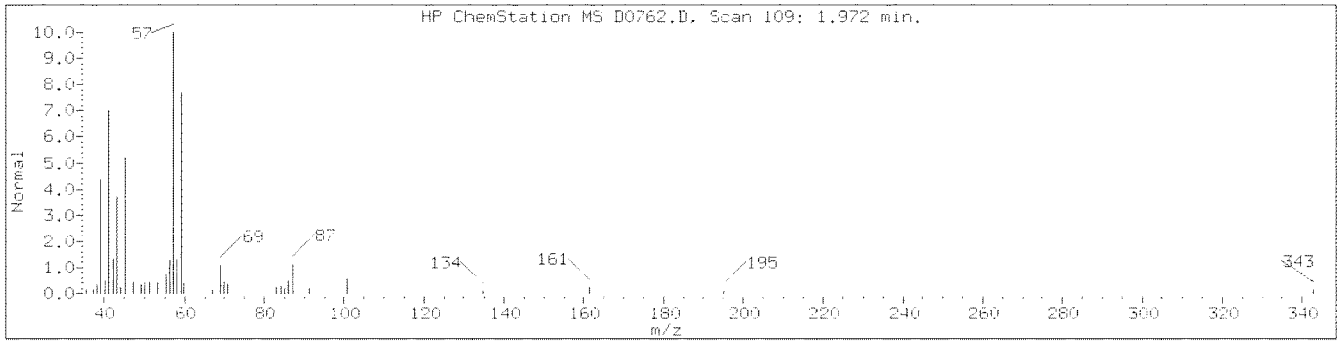
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 1.97

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

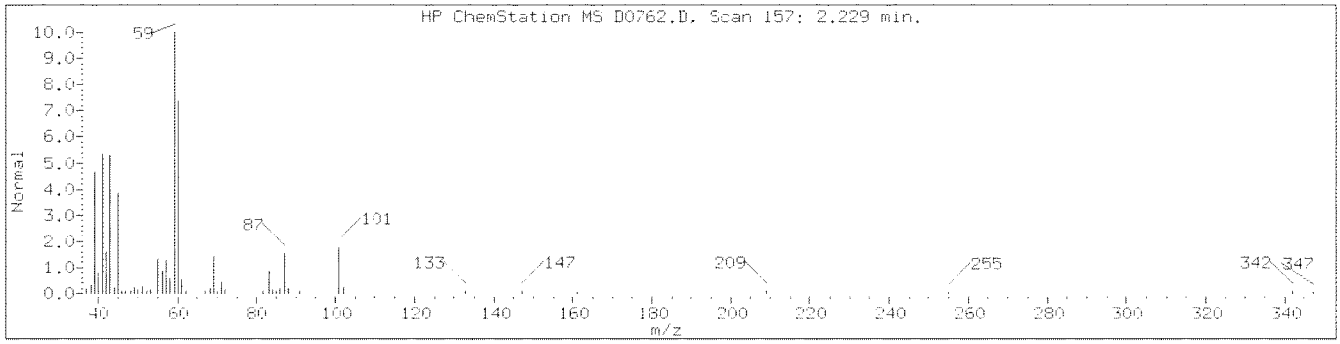
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 2.23

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

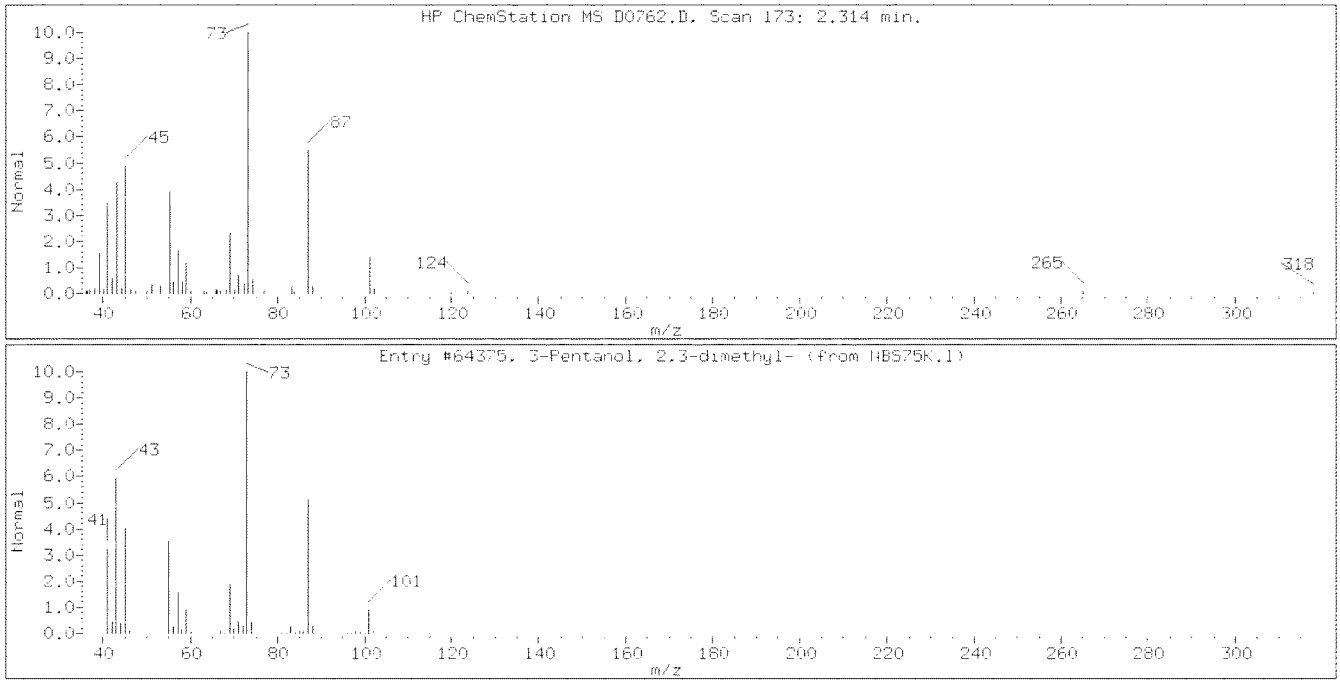
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 2.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Pentanol, 2,3-dimethyl-	595-41-5	NBS75K.l	64375	90	C7H16O	116



Data File: D0762.D

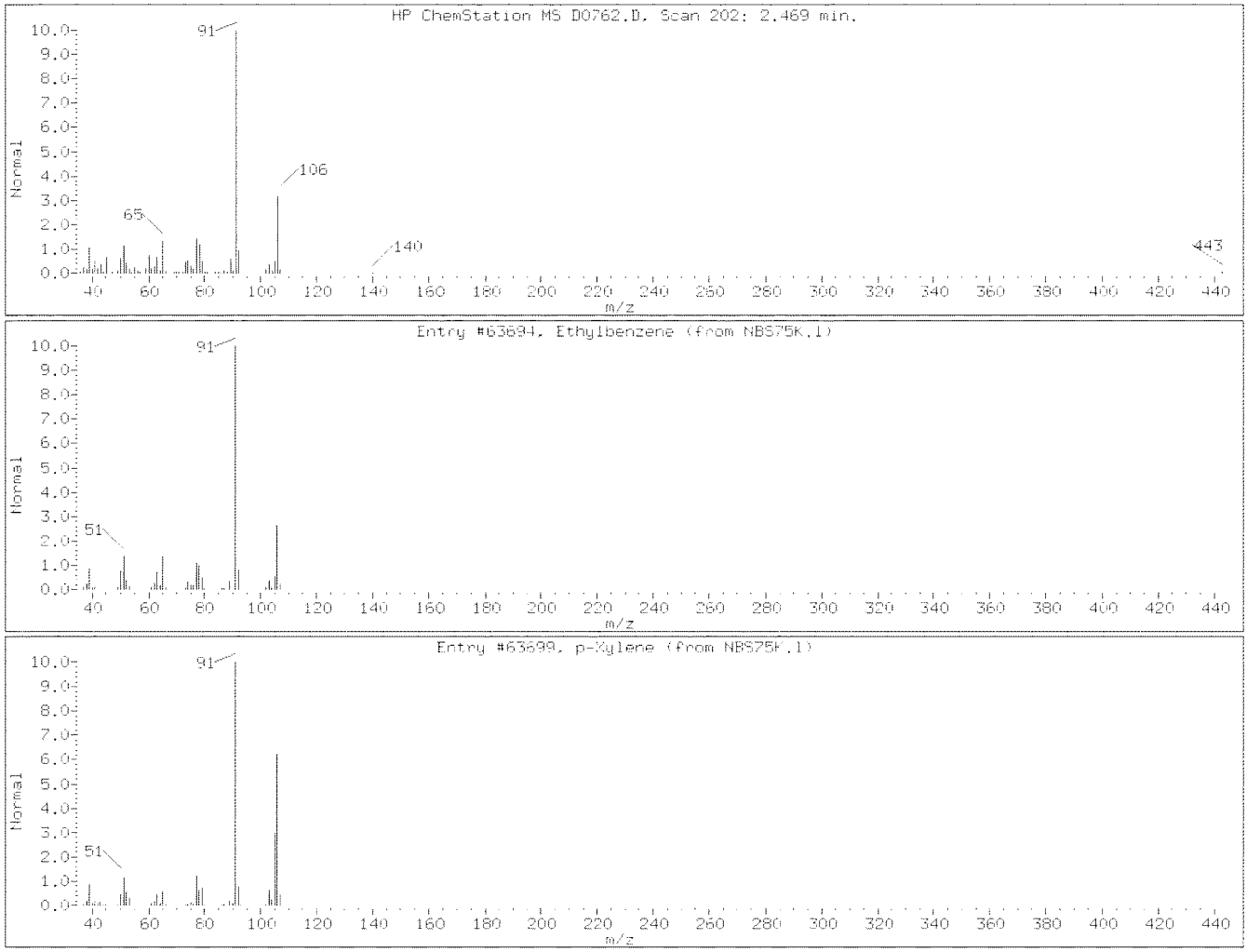
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 2.47

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylbenzene	100-41-4	NBS75K.l	63694	90	C8H10	106
p-Xylene	106-42-3	NBS75K.l	63699	86	C8H10	106



Data File: D0762.D

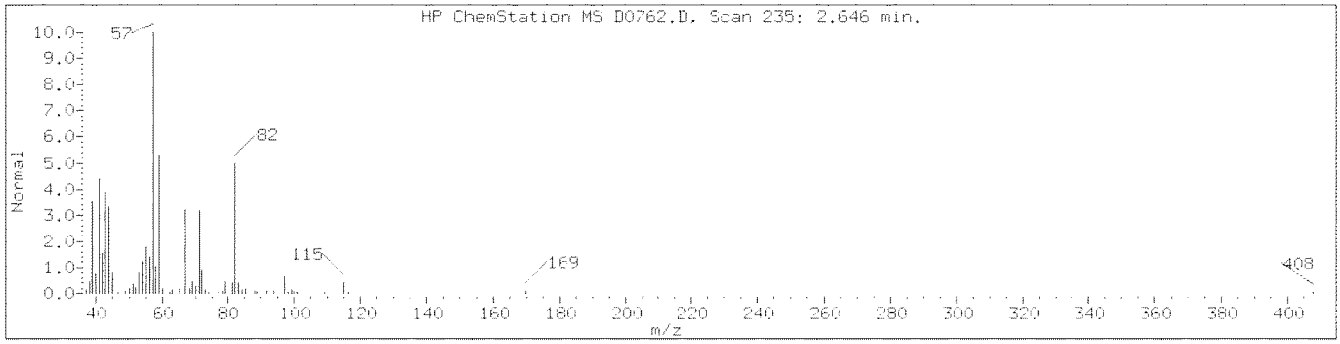
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 2.65

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

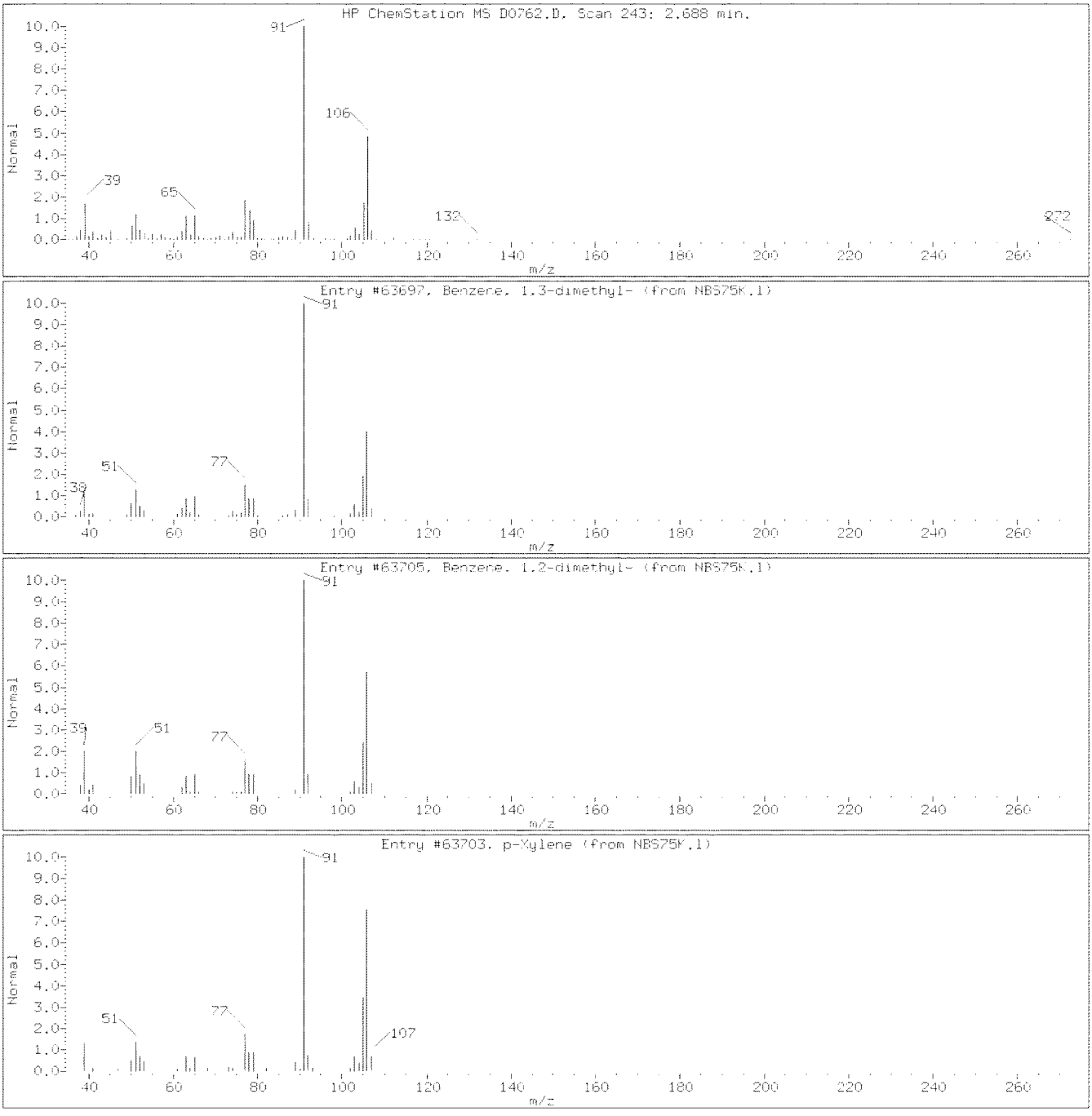
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 2.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.1	63697	96	C8H10	106
Benzene, 1,2-dimethyl-	95-47-6	NBS75K.1	63705	91	C8H10	106
p-Xylene	106-42-3	NBS75K.1	63703	91	C8H10	106



Data File: D0762.D

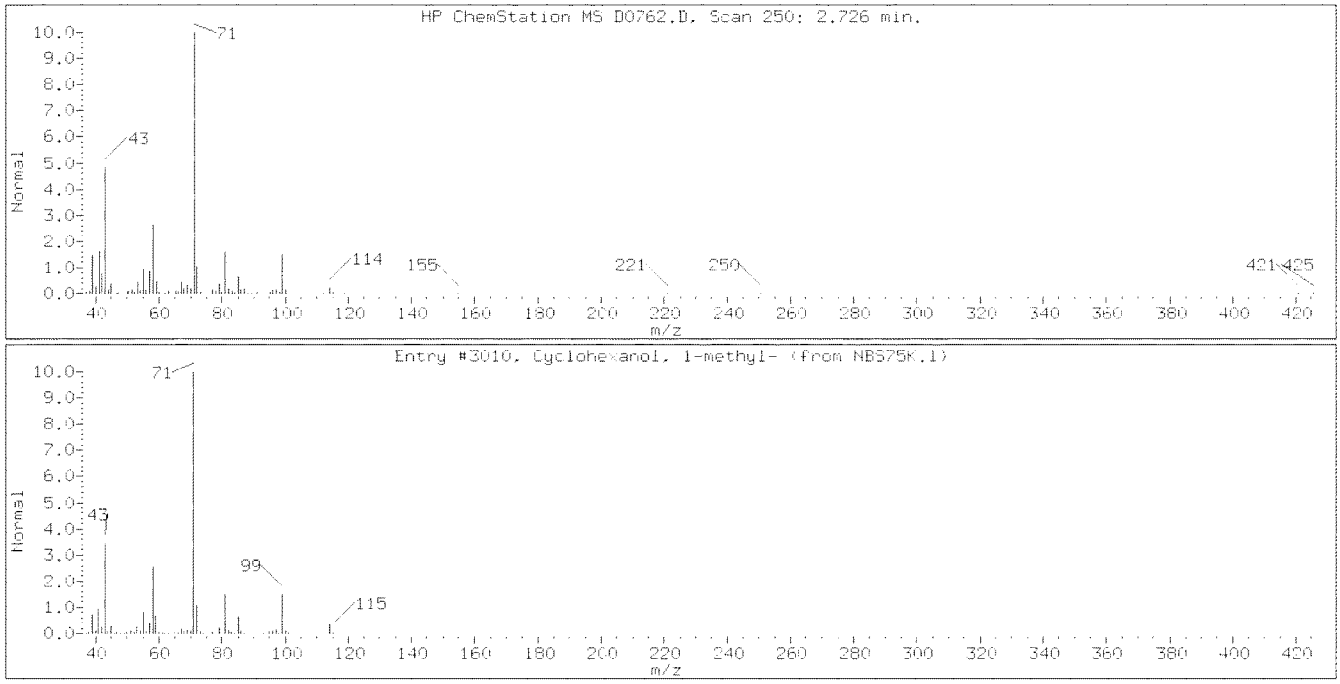
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 2.73

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexanol, 1-methyl-	590-67-0	NBS75K.l	3010	90	C7H14O	114



Data File: D0762.D

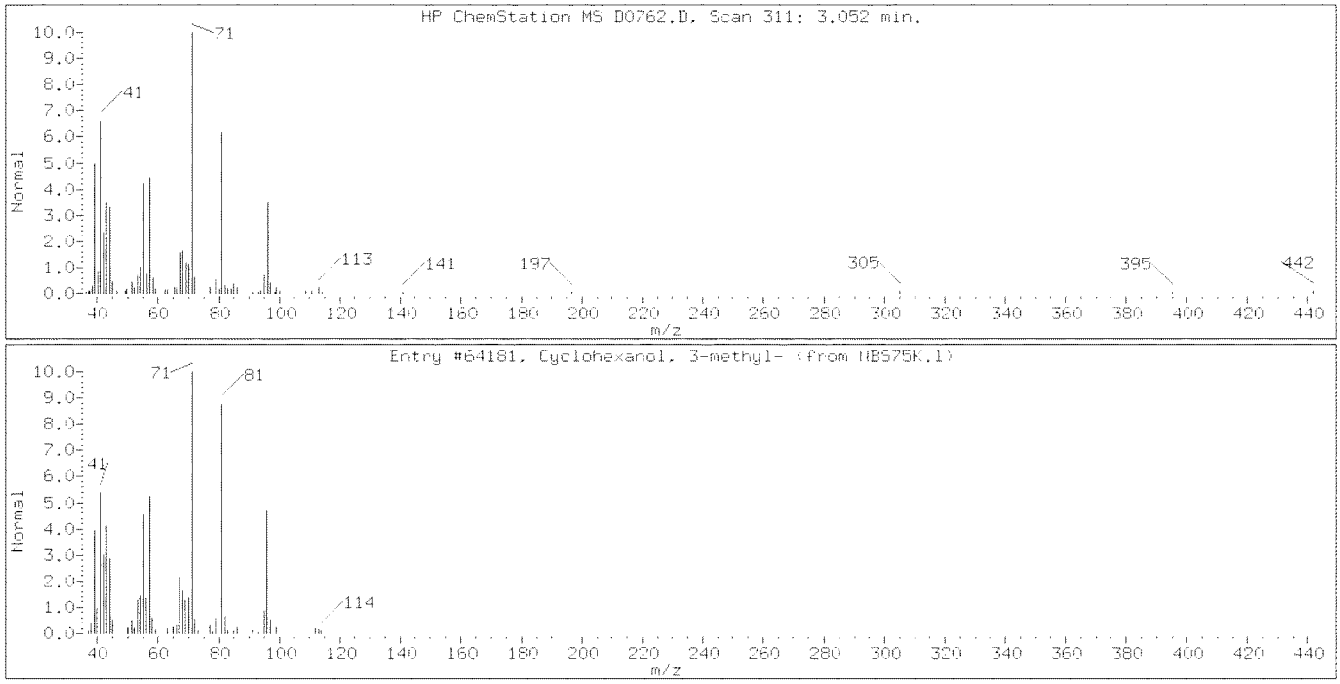
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 3.05

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexanol, 3-methyl-	591-23-1	NBS75K.l	64181	93	C7H14O	114



Data File: D0762.D

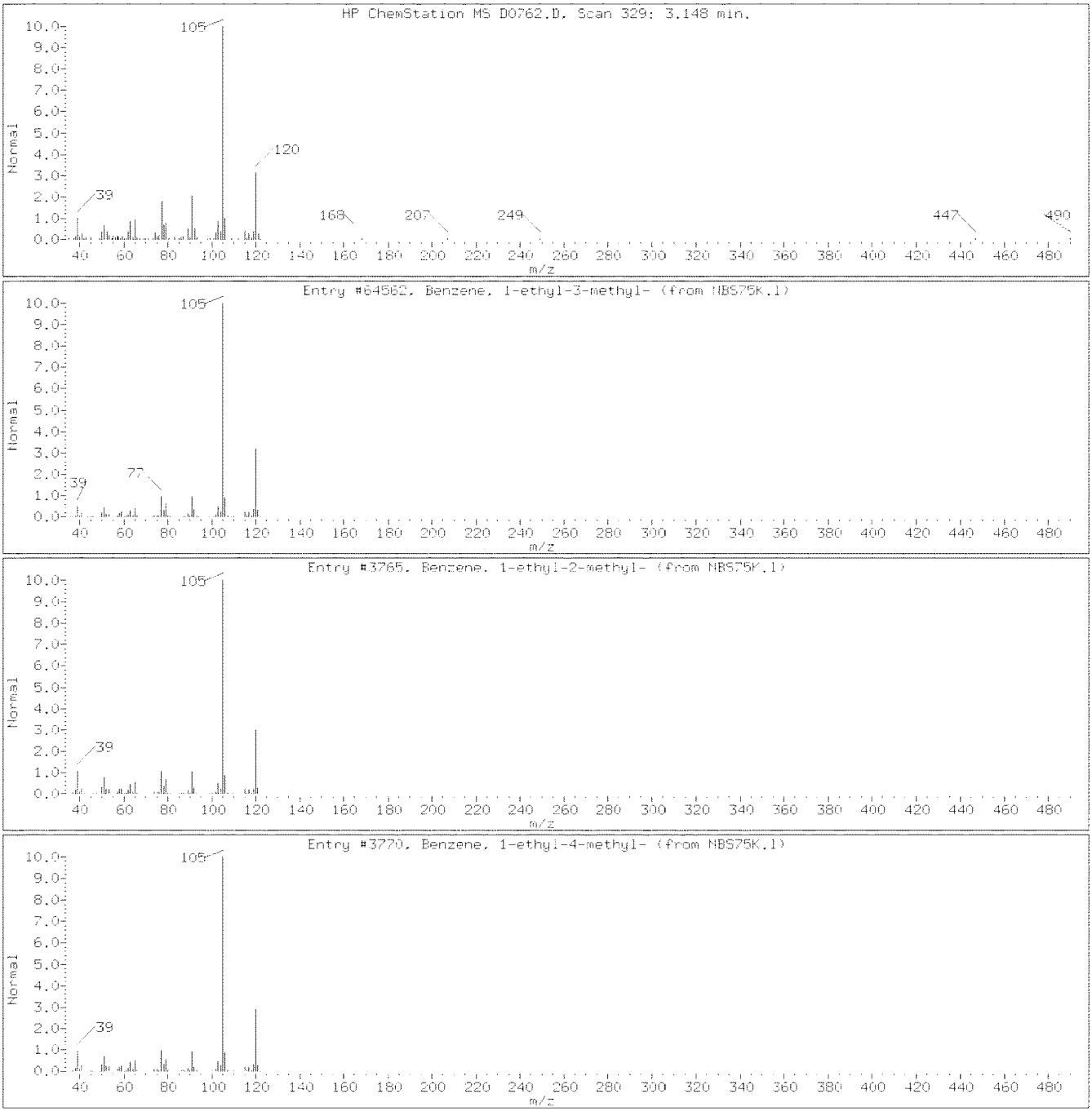
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 3.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.1	64562	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	3765	91	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	3770	87	C9H12	120



Data File: D0762.D

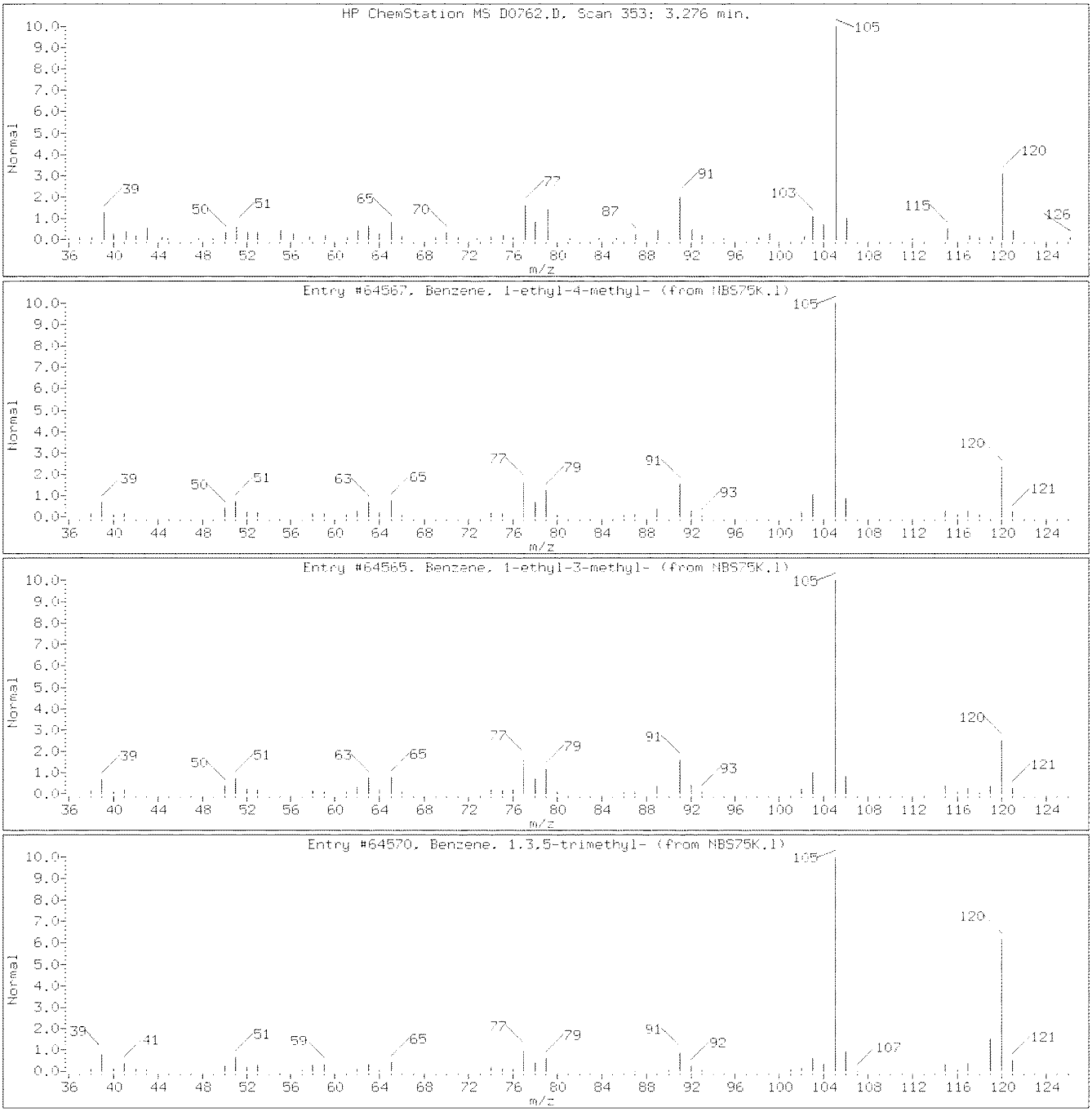
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 3.28

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	64567	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64565	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64570	90	C9H12	120



Data File: D0762.D

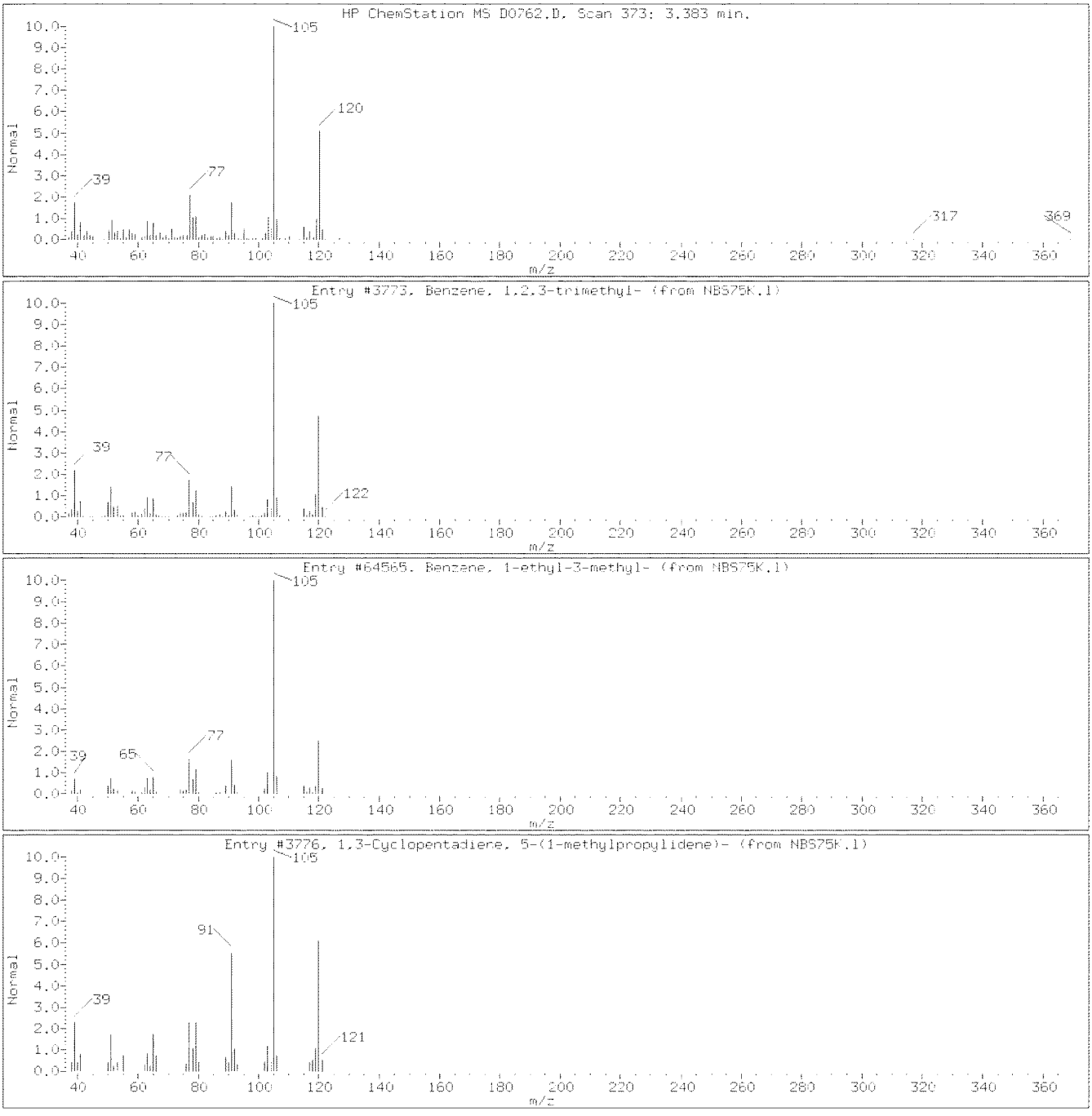
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 3.38

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	3773	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64565	93	C9H12	120
1,3-Cyclopentadiene, 5-(1-methylpr	3141-02-4	NBS75K.l	3776	91	C9H12	120



Data File: D0762.D

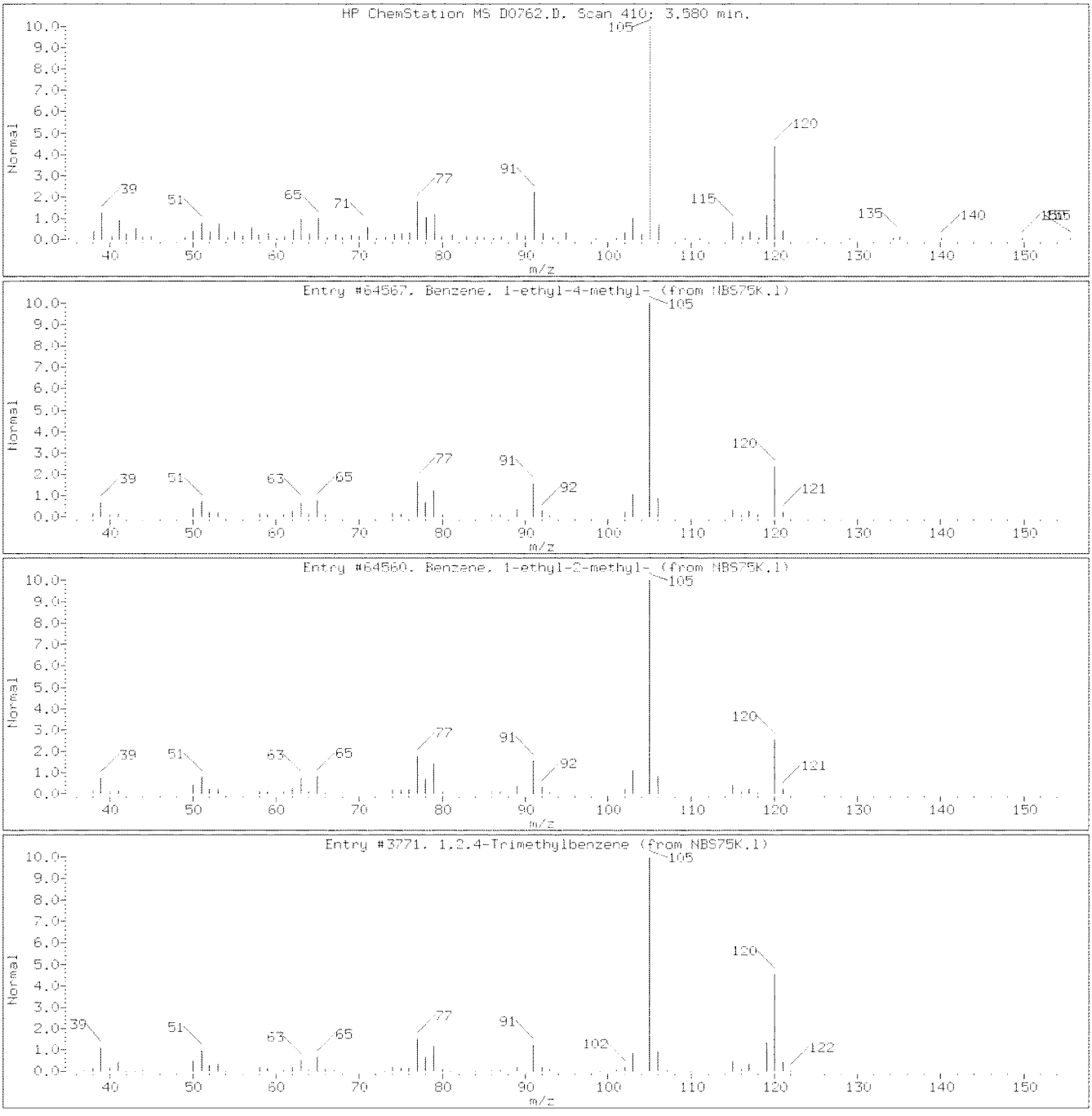
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 3.58

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	64567	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64560	94	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	94	C9H12	120



Data File: D0762.D

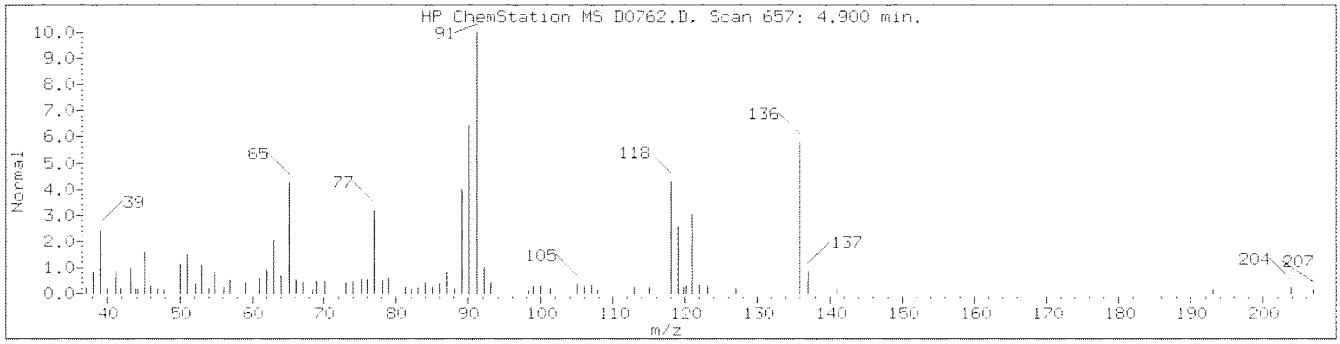
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 4.90

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

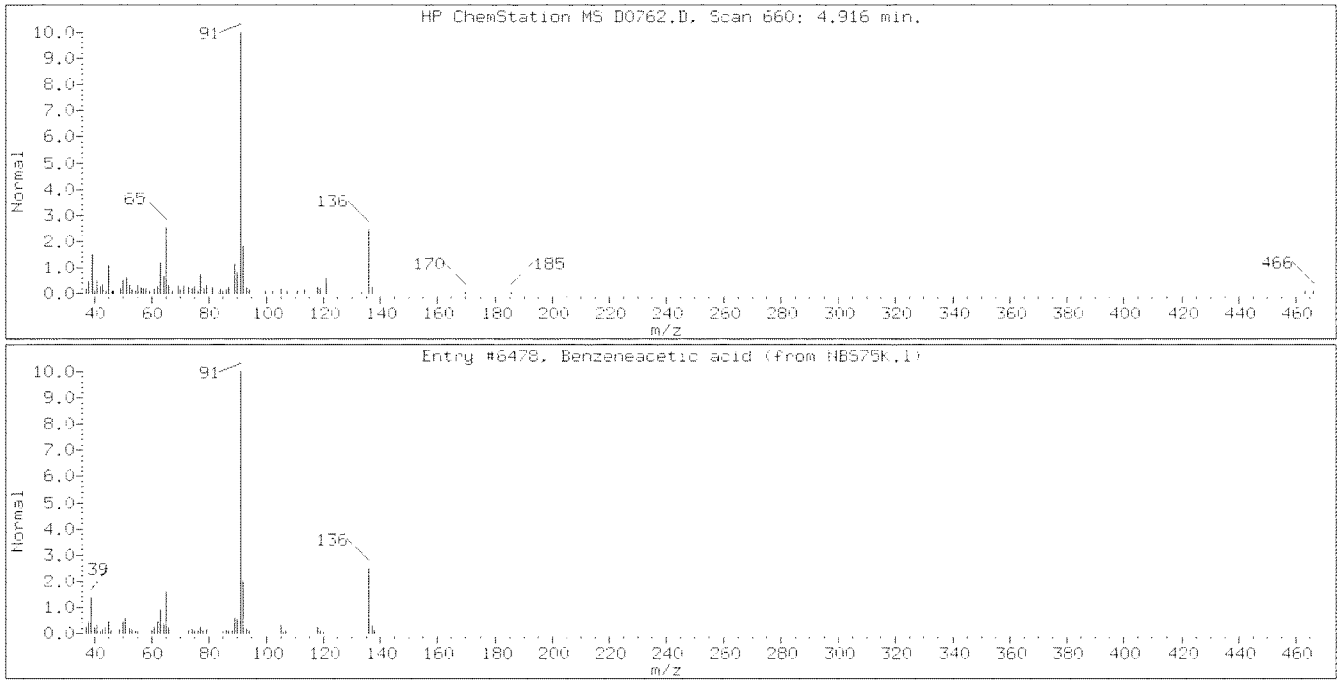
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 4.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzeneacetic acid	103-82-2	NBS75K.l	6478	81	C8H8O2	136



Data File: D0762.D

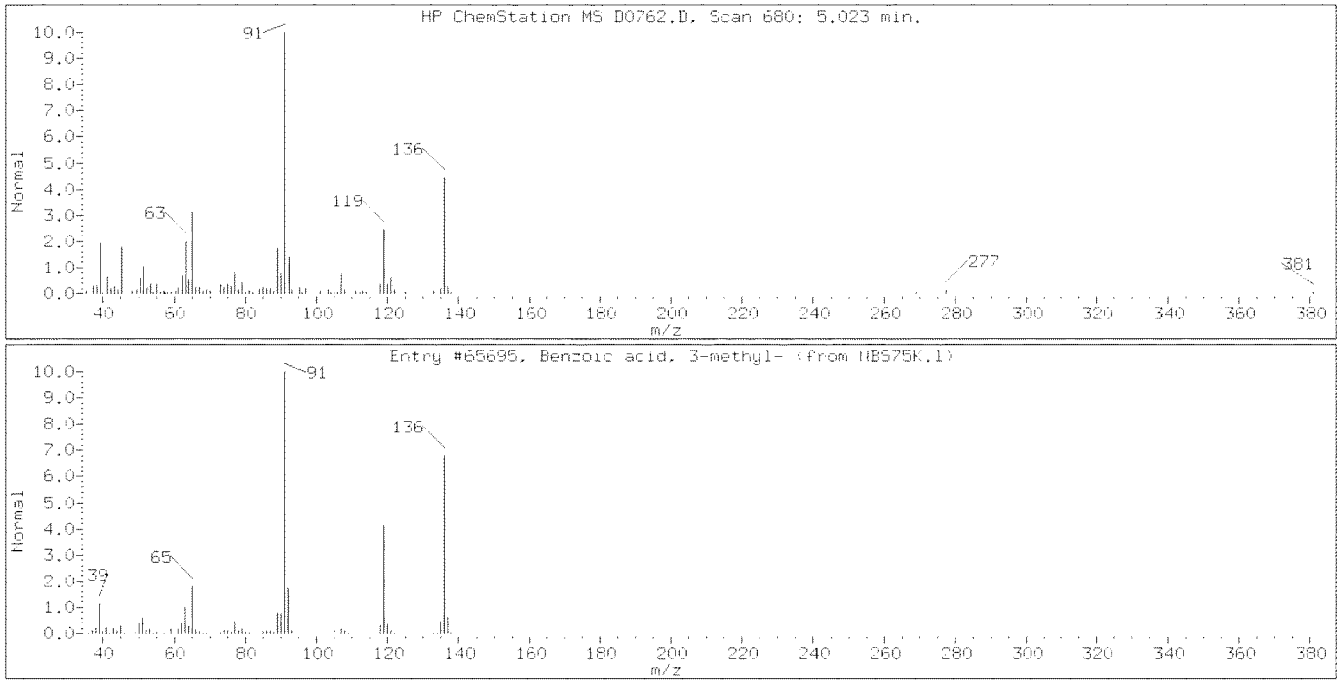
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 5.02

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzoic acid, 3-methyl-	99-04-7	NBS75K.l	65695	90	C8H8O2	136



Data File: D0762.D

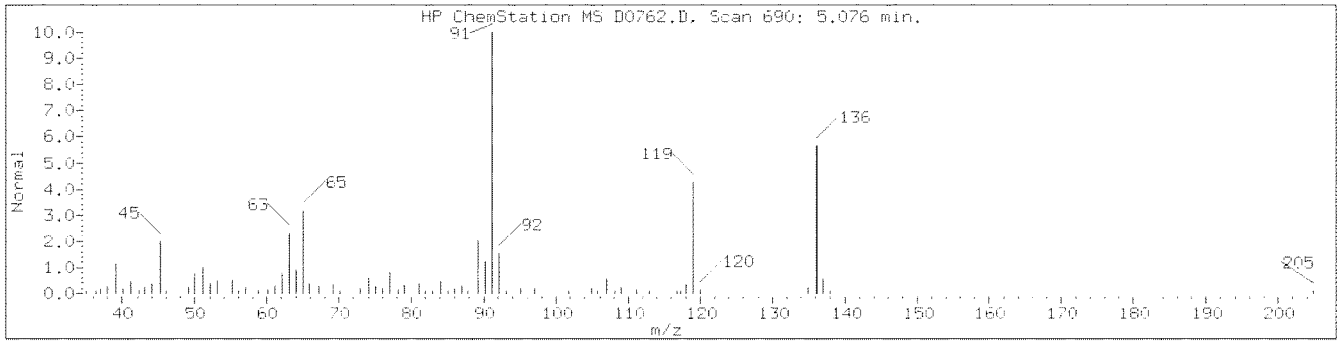
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 5.08

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



Data File: D0762.D

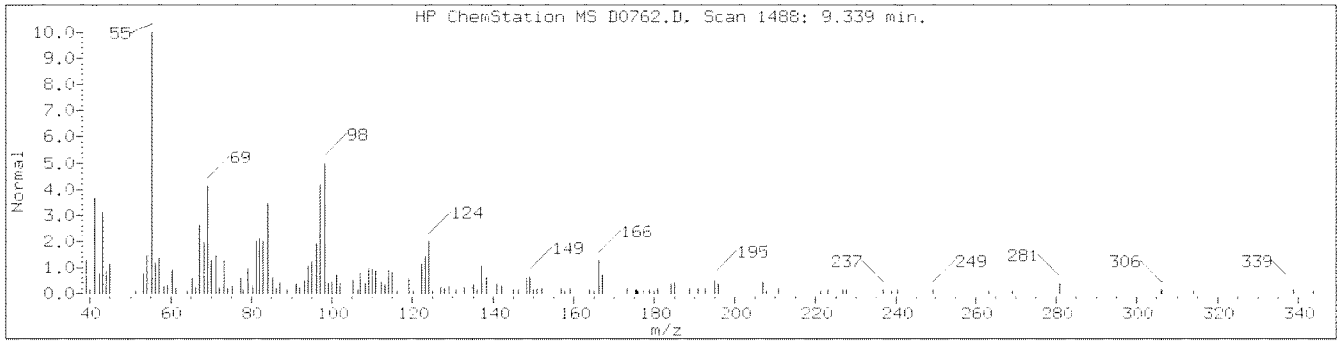
Date: 09-MAY-2012 16:21

Client ID: MW02 Instrument: D.i

Sample Info: 280-28076-d-1-a,4, Operator: hoffmanm

Retention Time: 9.34

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						



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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117938/8	D0516.D
Level 2	IC 280-117938/7	D0515.D
Level 3	IC 280-117938/6	D0514.D
Level 4	ICIS 280-117938/5	D0513.D
Level 5	IC 280-117938/4	D0512.D
Level 6	IC 280-117938/3	D0511.D
Level 7	IC 280-117938/2	D0510.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								
2-Picoline	1.4171 1.5048	1.4024 1.5086	1.3859	1.4729	1.4579	Ave		1.4499				3.4		15.0			
N-Nitrosomethylethylamine	0.6716 0.6703	0.6089 0.6760	0.6316	0.6562	0.6711	Ave		0.6551				3.9		15.0			
Methyl methanesulfonate	0.4370 0.4958	0.4474 0.4939	0.4474	0.4931	0.4947	Ave		0.4728				5.8		15.0			
N-Nitrosodiethylamine	0.6205 0.6765	0.6649 0.6900	0.6209	0.6751	0.6756	Ave		0.6605				4.3		15.0			
Ethyl methanesulfonate	1.1667 1.2323	1.2016 1.2242	1.1531	1.2316	1.2101	Ave		1.2028				2.6		15.0			
Pentachloroethane	0.5345 0.6336	0.5867 0.6538	0.5841	0.6053	0.6285	Ave		0.6038				6.6		15.0			
N-Nitrosopyrrolidine	0.7009 0.8318	0.7028 0.8643	0.7074	0.7832	0.8095	Ave		0.7714				8.8		15.0			
N-Nitrosomorpholine	0.2297 0.3119	0.2813 0.3318	0.2763	0.2932	0.2990	Ave		0.2890				11.1		15.0			
2-Toluidine	1.9640 2.3690	2.0745 2.4413	2.0642	2.2043	2.2958	Ave		2.2019				8.0		15.0			
N-Nitrosopiperidine	0.1586 0.1872	0.1788 0.1882	0.1655	0.1821	0.1833	Ave		0.1777				6.4		15.0			
o,o',o''-Triethylphosphorothioate	0.2264 0.2586	0.2239 0.2606	0.2285	0.2385	0.2520	Ave		0.2412				6.5		15.0			
a,a-Dimethylphenethylamine	0.6504 0.7506	0.7140 0.7273	0.7264	0.7377	0.7392	Ave		0.7208				4.6		15.0			
2,6-Dichlorophenol	0.2923 0.3826	0.3266 0.3880	0.3315	0.3476	0.3678	Ave		0.3480				9.8		15.0			
Hexachloropropene	0.3755 0.4540	0.3821 0.4507	0.4066	0.4288	0.4451	Ave		0.4204				7.8		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-butylamine	0.2627 0.2952	0.2750 0.2959	0.2772	0.2905	0.2915	Ave		0.2840				4.4		15.0			
p-Phenylene diamine	0.4207 0.4736	0.4507 0.4479	0.4753	0.4789	0.4774	Ave		0.4607				4.7		15.0			
Safrole, Total	0.2974 0.3521	0.3143 0.3629	0.3079	0.3313	0.3409	Ave		0.3295				7.3		15.0			
1,2,4,5-Tetrachlorobenzene	0.4188 0.5187	0.4329 0.5288	0.4564	0.4755	0.5077	Ave		0.4770				9.0		15.0			
Isosafrole Peak 1	0.3979 0.4695	0.4372 0.4861	0.4440	0.4796	0.4542	Ave		0.4526				6.7					
Isosafrole Peak 2	0.3294 0.3738	0.3240 0.3853	0.3522	0.3647	0.3661	Ave		0.3565				6.4					
1,1'-Biphenyl	1.2944 1.5425	1.2901 1.6116	1.3715	1.4380	1.5098	Ave		1.4368				8.7		15.0			
1-Chloronaphthalene	1.0615 1.2336	1.0652 1.3421	1.1209	1.1960	1.2288	Ave		1.1783				8.7		15.0			
1,4-Naphthoquinone	0.2452 0.2407	0.2450 +++++	0.2944	0.2814	0.2705	Ave		0.2629				8.5		15.0			
1,4-Dinitrobenzene	0.1705 0.2165	0.1747 0.2183	0.1949	0.1910	0.1992	Ave		0.1950				9.5		15.0			
1,3-Dinitrobenzene	0.1828 0.2324	0.1967 0.2442	0.2117	0.2243	0.2304	Ave		0.2175				10.0		15.0			
Pentachlorobenzene	0.5504 0.6751	0.5521 0.7299	0.5945	0.6307	0.6672	Ave		0.6286				10.7		15.0			
1-Naphthylamine	1.0985 1.3871	1.0767 1.4845	1.1827	1.2604	1.3477	Ave		1.2625				12.1		15.0			
2,3,4,6-Tetrachlorophenol	0.3317 0.4312	0.3393 0.4651	0.3694	0.3846	0.4121	Ave		0.3905				12.5		15.0			
2-Naphthylamine	1.0673 1.2667	1.0913 1.3218	1.1563	1.1825	1.2435	Ave		1.1899				7.8		15.0			
Thionazin	0.3065 0.3632	0.3086 0.3765	0.3380	0.3494	0.3539	Ave		0.3423				7.7		15.0			
5-Nitro-o-toluidine	0.3217 0.3839	0.3271 0.4113	0.3540	0.3678	0.3833	Ave		0.3641				8.9		15.0			
Diphenylamine	1.0691 1.2946	1.0666 1.3921	1.1441	1.2040	1.2847	Ave		1.2079				10.2		15.0			
Sulfotepp	0.1383 0.1759	0.1561 0.1799	0.1569	0.1683	0.1703	Ave		0.1637				8.7		15.0			
Diallate Peak 1	0.3057 0.3795	0.3192 0.3932	0.3394	0.3675	0.3747	Ave		0.3542				9.3					

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 EVALUATION

Lab Name: Test America Denver Job No.: 280-28076-1 Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D GC Column: Vf-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 Calibration End Date: 05/02/2012 09:07 Calibration ID: 9238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trinitrobenzene	0.0606 0.1159	0.0731 0.1250	0.0906	0.1054	0.1130	Lin1	0.1757	0.1225							0.9949		0.9900
Phorate	0.1159 0.1550	0.1203 0.1637	0.1337	0.1411	0.1478	Ave		0.1396				12.6		15.0			
Phenacetin	0.3072 0.4035	0.3705 0.4146	0.3911	0.3926	0.4053	Ave		0.3836				9.5		15.0			
Diallate Peak 2	0.1608 0.1686	0.1755 0.1694	0.1645	0.1712	0.1745	Ave		0.1692				3.1					
Dimethoate	0.2163 0.1937	0.2197 0.1740	0.2236	0.2196	0.1995	Ave		0.2066				8.8		15.0			
4-Aminobiphenyl	0.7571 1.0673	0.8081 1.0236	0.8716	0.9709	1.0276	Ave		0.9323				12.9		15.0			
Pentachloronitrobenzene	0.1319 0.1969	0.1500 0.2146	0.1689	0.1793	0.1865	Lin2	0.0934	0.1974							0.9939		0.9900
Pronamide	0.3132 0.4111	0.3532 0.4386	0.3674	0.3897	0.4028	Ave		0.3823				10.8		15.0			
Disulfoton	0.2988 0.4140	0.3290 0.4293	0.3478	0.3772	0.3947	Ave		0.3701				12.7		15.0			
2-sec-Butyl-4,6-dinitrophenol	+++++ 0.2714	0.1731 0.3030	0.2092	0.2342	0.2510	Qua	0.1305	4.4035	-0.783						0.9999		0.9900
Methyl parathion	+++++ 0.2097	0.2232 0.1879	0.2301	0.2289	0.2123	Ave		0.2153				7.4		15.0			
Ethyl Parathion	+++++ 0.1729	0.1542 0.1812	0.1614	0.1694	0.1742	Ave		0.1689				5.7		15.0			
4-Nitroquinoline-1-oxide	+++++ 0.1212	0.0782 0.1104	0.1076	0.1213	0.1206	Lin2	0.1845	0.1259							0.9959		0.9900
Methapyrilene	0.3180 0.2800	0.3418 0.2714	0.3147	0.3115	0.2860	Ave		0.3033				8.2		15.0			
Isodrin	0.1400 0.1691	0.1460 0.1778	0.1457	0.1610	0.1669	Ave		0.1581				9.0		15.0			
Aramite Peak 1	+++++ 0.0873	0.0696 0.0882	0.0804	0.0898	0.0884	Ave		0.0840				9.2					
Aramite Peak 2	+++++ 0.1653	0.1368 0.1596	0.1466	0.1548	0.1572	Ave		0.1534				6.6					
p-Dimethylamino azobenzene	+++++ 0.3293	0.2696 0.3465	0.2877	0.3121	0.3261	Ave		0.3119				9.2		15.0			
Ethyl 4,4'-Dichlorobenzilate	0.2655 0.3849	0.2842 0.4117	0.3085	0.3351	0.3591	Lin1	0.1318	0.3958							0.9928		0.9900
3,3'-Dimethylbenzidine	+++++ 0.7687	0.6720 0.7518	0.6993	0.7230	0.7347	Ave		0.7249				4.9		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

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								
2-Acetylaminofluorene	+++++ 0.4854	0.3401 0.4969	0.3877	0.4228	0.4468	Ave		0.4299				13.9		15.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.7492	0.5207 0.8166	0.5819	0.6504	0.7017	Lin1	0.2524	0.8090							0.9922		0.9900
3-Methylcholanthrene	+++++ 0.7933	0.5434 0.8361	0.6073	0.6619	0.7249	Lin1	0.2503	0.8371							0.9925		0.9900
Dibenz[a,j]acridine	0.6606 1.0234	0.7277 1.0669	0.8110	0.8891	0.9388	Qua	0.0894	1.1509	-0.044						0.9996		0.9900

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117938/8	D0516.D
Level 2	IC 280-117938/7	D0515.D
Level 3	IC 280-117938/6	D0514.D
Level 4	ICIS 280-117938/5	D0513.D
Level 5	IC 280-117938/4	D0512.D
Level 6	IC 280-117938/3	D0511.D
Level 7	IC 280-117938/2	D0510.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Picoline	DCB	Ave	106406 1818550	210778 2336029	556013	883724	1360944	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomethylethylamine	DCB	Ave	50432 810050	91517 1046813	253394	393748	626506	10.0 160	20.0 200	50.0	80.0	120
Methyl methanesulfonate	DCB	Ave	32814 599125	67240 764889	179490	295871	461800	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodiethylamine	DCB	Ave	46594 817581	99933 1068526	249086	405091	630708	10.0 160	20.0 200	50.0	80.0	120
Ethyl methanesulfonate	DCB	Ave	87605 1489236	180601 1895700	462621	738971	1129681	10.0 160	20.0 200	50.0	80.0	120
Pentachloroethane	DCB	Ave	40134 765743	88176 1012421	234322	363178	586701	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopyrrolidine	DCB	Ave	52630 1005277	105628 1338428	283790	469918	755650	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomorpholine	DCB	Ave	17250 376929	42271 513798	110857	175929	279116	10.0 160	20.0 200	50.0	80.0	120
2-Toluidine	DCB	Ave	147470 2862937	311789 3780368	828128	1322620	2143138	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopiperidine	NPT	Ave	43675 823265	98800 1066943	237692	399998	619077	10.0 160	20.0 200	50.0	80.0	120
o,o',o''-Triethylphosphorothioate	NPT	Ave	62349 1137341	123667 1477836	328226	523963	850954	10.0 160	20.0 200	50.0	80.0	120
a,a-Dimethylphenethylamine	NPT	Ave	179137 3300791	394460 4124102	1043365	1620619	2496439	10.0 160	20.0 200	50.0	80.0	120
2,6-Dichlorophenol	NPT	Ave	80508 1682643	180418 2199953	476078	763601	1242022	10.0 160	20.0 200	50.0	80.0	120
Hexachloropropene	NPT	Ave	103429 1996418	211089 2555951	584050	941977	1503033	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodi-n-butylamine	NPT	Ave	72352 1298228	151914 1678152	398127	638212	984452	10.0 160	20.0 200	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
p-Phenylene diamine	NPT	Ave	115876 2082727	249008 2540046	682710	1052161	1612269	10.0 160	20.0 200	50.0	80.0	120
Safrole, Total	NPT	Ave	81900 1548182	173642 2057766	442293	727764	1151366	10.0 160	20.0 200	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	NPT	Ave	115335 2280906	239170 2998676	655490	1044534	1714424	10.0 160	20.0 200	50.0	80.0	120
Isosafrole Peak 1	ANT	Ave	12567 248024	29158 318342	74120	125955	182485	1.75 28.0	3.50 35.0	8.75	14.0	21.0
Isosafrole Peak 2	ANT	Ave	49037 930902	101857 1189486	277158	451549	693373	8.25 132	16.5 165	41.3	66.0	99.0
1,1'-Biphenyl	ANT	Ave	233588 4656689	491638 6031554	1308343	2157941	3465967	10.0 160	20.0 200	50.0	80.0	120
1-Chloronaphthalene	ANT	Ave	191562 3723920	405942 5022643	1069338	1794870	2820968	10.0 160	20.0 200	50.0	80.0	120
1,4-Naphthoquinone	ANT	Ave	44258 726634	93353 +++++	280817	422358	620873	10.0 160	20.0 +++++	50.0	80.0	120
1,4-Dinitrobenzene	ANT	Ave	30769 653474	66564 816834	185934	286559	457195	10.0 160	20.0 200	50.0	80.0	120
1,3-Dinitrobenzene	ANT	Ave	32982 701578	74964 914052	202005	336620	528942	10.0 160	20.0 200	50.0	80.0	120
Pentachlorobenzene	ANT	Ave	99324 2037934	210386 2731804	567157	946545	1531630	10.0 160	20.0 200	50.0	80.0	120
1-Naphthylamine	ANT	Ave	198232 4187555	410317 5555746	1128293	1891419	3093864	10.0 160	20.0 200	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Ave	59867 1301759	129315 1740746	352433	577120	946052	10.0 160	20.0 200	50.0	80.0	120
2-Naphthylamine	ANT	Ave	192609 3823862	415876 4946709	1103049	1774570	2854755	10.0 160	20.0 200	50.0	80.0	120
Thionazin	ANT	Ave	55321 1096565	117615 1409001	322482	524316	812409	10.0 160	20.0 200	50.0	80.0	120
5-Nitro-o-toluidine	ANT	Ave	58047 1159031	124636 1539115	337672	551960	879864	10.0 160	20.0 200	50.0	80.0	120
Diphenylamine	ANT	Ave	192932 3908089	406483 5209921	1091482	1806824	2949389	10.0 160	20.0 200	50.0	80.0	120
Sulfotepp	PHN	Ave	45998 948595	103710 1223588	268364	444234	701970	10.0 160	20.0 200	50.0	80.0	120
Dialate Peak 1	PHN	Ave	73236 1473106	152702 1925847	417908	700856	1112482	7.20 115	14.4 144	36.0	57.8	86.4
1,3,5-Trinitrobenzene	PHN	Lin1	20149 624738	48557 850135	155027	278320	466083	10.0 160	20.0 200	50.0	80.0	120
Phorate	PHN	Ave	38562 835782	79891 1113875	228578	372511	609366	10.0 160	20.0 200	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Phenacetin	PHN	Ave	102224 2175490	246153 2820597	668851	1036467	1671014	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 2	PHN	Ave	14980 254546	32651 322678	78748	127642	201475	2.80 44.8	5.60 56.0	14.0	22.6	33.6
Dimethoate	PHN	Ave	71979 1044530	145957 1183342	382390	579702	822667	10.0 160	20.0 200	50.0	80.0	120
4-Aminobiphenyl	PHN	Ave	251883 5753968	536894 6963354	1490682	2562940	4236819	10.0 160	20.0 200	50.0	80.0	120
Pentachloronitrobenzene	PHN	Lin2	43887 1061672	99650 1460018	288908	473253	769124	10.0 160	20.0 200	50.0	80.0	120
Pronamide	PHN	Ave	104222 2216337	234663 2983278	628342	1028887	1660766	10.0 160	20.0 200	50.0	80.0	120
Disulfoton	PHN	Ave	99411 2232007	218606 2920244	594812	995847	1627209	10.0 160	20.0 200	50.0	80.0	120
2-sec-Butyl-4,6-dinitrophenol	PHN	Qua	+++++ 1463369	114987 2060902	357712	618238	1035040	+++++ 160	20.0 200	50.0	80.0	120
Methyl parathion	PHN	Ave	+++++ 1130556	148271 1278028	393437	604202	875540	+++++ 160	20.0 200	50.0	80.0	120
Ethyl Parathion	PHN	Ave	+++++ 932146	102462 1232808	276097	447207	718286	+++++ 160	20.0 200	50.0	80.0	120
4-Nitroquinoline-1-oxide	PHN	Lin2	+++++ 653362	51923 751133	184093	320321	497439	+++++ 160	20.0 200	50.0	80.0	120
Methapyrilene	PHN	Ave	105794 1509737	227052 1846406	538122	822246	1179080	10.0 160	20.0 200	50.0	80.0	120
Isodrin	PHN	Ave	46582 911565	97020 1209224	249140	425082	688054	10.0 160	20.0 200	50.0	80.0	120
Aramite Peak 1	CRY	Ave	+++++ 241914	24591 305015	73865	121709	190917	+++++ 73.6	9.20 91.0	23.0	36.0	55.2
Aramite Peak 2	CRY	Ave	+++++ 537737	56704 661023	158147	251828	398674	+++++ 86.4	10.8 109	27.0	43.2	64.8
p-Dimethylaminoazobenzene	CRY	Ave	+++++ 1983318	206964 2632901	574794	940450	1531042	+++++ 160	20.0 200	50.0	80.0	120
Ethyl 4,4'-Dichlorobenzilate	CRY	Lin1	99239 2318491	218173 3127959	616327	1009690	1686123	10.0 160	20.0 200	50.0	80.0	120
3,3'-Dimethylbenzidine	CRY	Ave	+++++ 4629845	515803 5711729	1397017	2178390	3449575	+++++ 160	20.0 200	50.0	80.0	120
2-Acetylaminofluorene	CRY	Ave	+++++ 2923809	261028 3775200	774570	1273851	2098130	+++++ 160	20.0 200	50.0	80.0	120
7,12-Dimethylbenz(a)anthracene	PRY	Lin1	+++++ 4101587	365502 5562839	1053394	1785471	2983157	+++++ 160	20.0 200	50.0	80.0	120
3-Methylcholanthrene	PRY	Lin1	+++++ 4342923	381472 5695657	1099473	1817219	3081858	+++++ 160	20.0 200	50.0	80.0	120

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 117938

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 07:20 | Calibration End Date: 05/02/2012 09:07 | Calibration ID: 9238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Dibenz[a,j]acridine	PRY	Qua	227124 5602268	510811 7267644	1468256	2440853	3991237	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0510.D
Lab Smp Id: IC-1314754
Inj Date : 02-MAY-2012 07:20
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314754,,AP9200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:30 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 07:20 Cal File: D0510.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.564	3.564	(1.000)	309705	40.0000	
* 58 Naphthalene-d8	136	4.708	4.708	(1.000)	1134105	40.0000	
* 96 Acenaphthene-d10	164	6.396	6.396	(1.000)	748500	40.0000	
* 135 Phenanthrene-d10	188	7.731	7.731	(1.000)	1360499	40.0000	
* 166 Chrysene-d12	240	10.007	10.007	(1.000)	1519581	40.0000	
* 179 Perylene-d12	264	11.241	11.241	(1.000)	1362395	40.0000	
9 2-Picoline	93	2.197	2.197	(0.616)	2336029	200.000	208.086(A)
10 N-Nitrosomethylethylamine	88	2.256	2.256	(0.633)	1046813	200.000	206.377(A)
11 Methyl methanesulfonate	80	2.448	2.448	(0.687)	764889	200.000	208.964(A)
12 N-Nitrosodiethylamine	102	2.726	2.726	(0.765)	1068526	200.000	208.935(A)
13 Ethyl methanesulfonate	79	2.934	2.934	(0.823)	1895700	200.000	203.555(A)
24 Pentachloroethane	117	3.335	3.335	(0.936)	1012421	200.000	216.568(A)
39 N-Nitrosopyrrolidine	100	3.906	3.906	(1.096)	1338428	200.000	224.088(A)
40 N-Nitrosomorpholine	116	3.933	3.933	(1.103)	513798	200.000	229.594(A)
42 o-Toluidine	106	3.944	3.944	(1.106)	3780368	200.000	221.745(A)
46 N-Nitrosopiperidine	114	4.206	4.206	(0.893)	1066943	200.000	211.808(A)
51 O,O,O-Triethyl phosphorothio	198	4.425	4.425	(0.940)	1477836	200.000	216.090(A)
55 a,a-Dimethylphenethylamine	58	4.537	4.537	(0.964)	4124102	200.000	201.798(AM)
61 2,6-Dichlorophenol	162	4.788	4.788	(1.017)	2199953	200.000	222.939(A)
63 Hexachloropropene	213	4.809	4.809	(1.022)	2555951	200.000	214.433(A)
64 N-Nitrosodi-n-butylamine	84	5.087	5.087	(1.081)	1678152	200.000	208.406(A)
66 p-Phenylenediamine	108	5.130	5.130	(1.090)	2540046	200.000	194.473

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.301	5.301	(1.126)	2057766	200.000	220.240(A)
75	1,2,4,5-Tetrachlorobenzene	216	5.557	5.557	(1.180)	2998676	200.000	221.748(A)
76	Isosafrole (#1)	162	5.589	5.589	(0.874)	318342	35.0000	37.5843
84	Isosafrole (#2)	104	5.814	5.814	(0.909)	1189486	165.000	178.318
85	Biphenyl	154	5.851	5.851	(0.915)	6031554	200.000	224.332(A)
87	1-Chloronaphthalene	162	5.894	5.894	(0.921)	5022643	200.000	227.795(A)
89	1,4-Naphthoquinone	158	6.049	6.049	(0.946)	732230	200.000	148.864
90	1,4-Dinitrobenzene	168	6.113	6.113	(0.956)	816834	200.000	223.872(A)
92	1,3-Dinitrobenzene	168	6.182	6.182	(0.967)	914052	200.000	224.573(A)
100	Pentachlorobenzene	250	6.545	6.545	(1.023)	2731804	200.000	232.259(A)
103	1-Naphthylamine	143	6.668	6.668	(1.043)	5555746	200.000	235.166(A)
104	2,3,4,6-Tetrachlorophenol	232	6.700	6.700	(1.048)	1740746	200.000	238.221(A)
106	2-Naphthylamine	143	6.738	6.738	(1.053)	4946709	200.000	222.164(A)
108	Thionazin	97	6.855	6.855	(1.072)	1409001	200.000	219.964(A)
111	5-Nitro-o-toluidine	152	6.925	6.925	(1.083)	1539115	200.000	225.881(A)
114	Diphenylamine	169	6.999	6.999	(1.094)	5209921	200.000	230.499(A)
117	Sulfotepp	97	7.112	7.112	(0.920)	1223588	200.000	219.812(A)
119	Diallate (#1)	86	7.235	7.235	(0.936)	1925847	144.000	159.868
120	1,3,5-Trinitrobenzene	213	7.245	7.245	(0.937)	850135	200.000	211.037(A)
121	Phorate	121	7.251	7.251	(0.938)	1113875	200.000	234.524(A)
122	Phenacetin	108	7.283	7.283	(0.942)	2820597	200.000	216.208(A)
123	Diallate (#2)	86	7.315	7.315	(0.946)	322678	56.0000	56.0663
126	Dimethoate	87	7.416	7.416	(0.959)	1183342	200.000	168.371
130	4-Aminobiphenyl	169	7.566	7.566	(0.979)	6963354	200.000	219.593(A)
131	Pentachloronitrobenzene	237	7.566	7.566	(0.979)	1460018	200.000	221.180(A)
132	Pronamide	173	7.598	7.598	(0.983)	2983278	200.000	229.434(A)
133	Disulfoton	88	7.705	7.705	(0.997)	2920244	200.000	231.976(A)
134	2-secbutyl-4,6-dinitropheno	211	7.710	7.710	(0.997)	2060902	200.000	200.159(A)
142	Methyl parathion	109	8.036	8.036	(1.039)	1278028	200.000	174.494
145	Parathion	109	8.362	8.362	(1.082)	1232808	200.000	214.597(A)
146	4-Nitroquinoline-1-oxide	190	8.431	8.431	(1.091)	751133	200.000	182.726
147	Methapyrilene	97	8.458	8.458	(1.094)	1846406	200.000	178.969
148	Isodrin	193	8.640	8.640	(1.117)	1209224	200.000	224.921(A)
153	Aramite (#1)	185	9.035	9.035	(0.903)	305015	91.0000	95.6356
155	Aramite (#2)	185	9.099	9.099	(0.909)	661023	109.000	113.434
156	p-Dimethylaminoazobenzene	120	9.200	9.200	(0.919)	2632901	200.000	222.212(A)
157	Chlorobenzilate	251	9.227	9.227	(0.922)	3127959	200.000	213.289(A)
160	3,3'-Dimethylbenzidine	212	9.500	9.500	(0.949)	5711729	200.000	207.412(A)
161	2-Acetylaminofluorene	181	9.724	9.724	(0.972)	3775200	200.000	231.132(A)
M 173	Total Isosafrole	162				1507828	200.000	215.902
M 174	Total Diallate	86				2248525	200.000	215.934
M 175	Total Aramite	185				966038	200.000	209.069
176	7,12-Dimethylbenz(a)anthrac	256	10.905	10.905	(0.970)	5562839	200.000	211.971(AH)
181	3-Methylcholanthrene	268	11.460	11.460	(1.019)	5695657	200.000	209.780(AH)
184	Dibenz(a,j)acridine	279	11.941	11.941	(1.062)	7267644	200.000	198.869(H)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: D0510.D

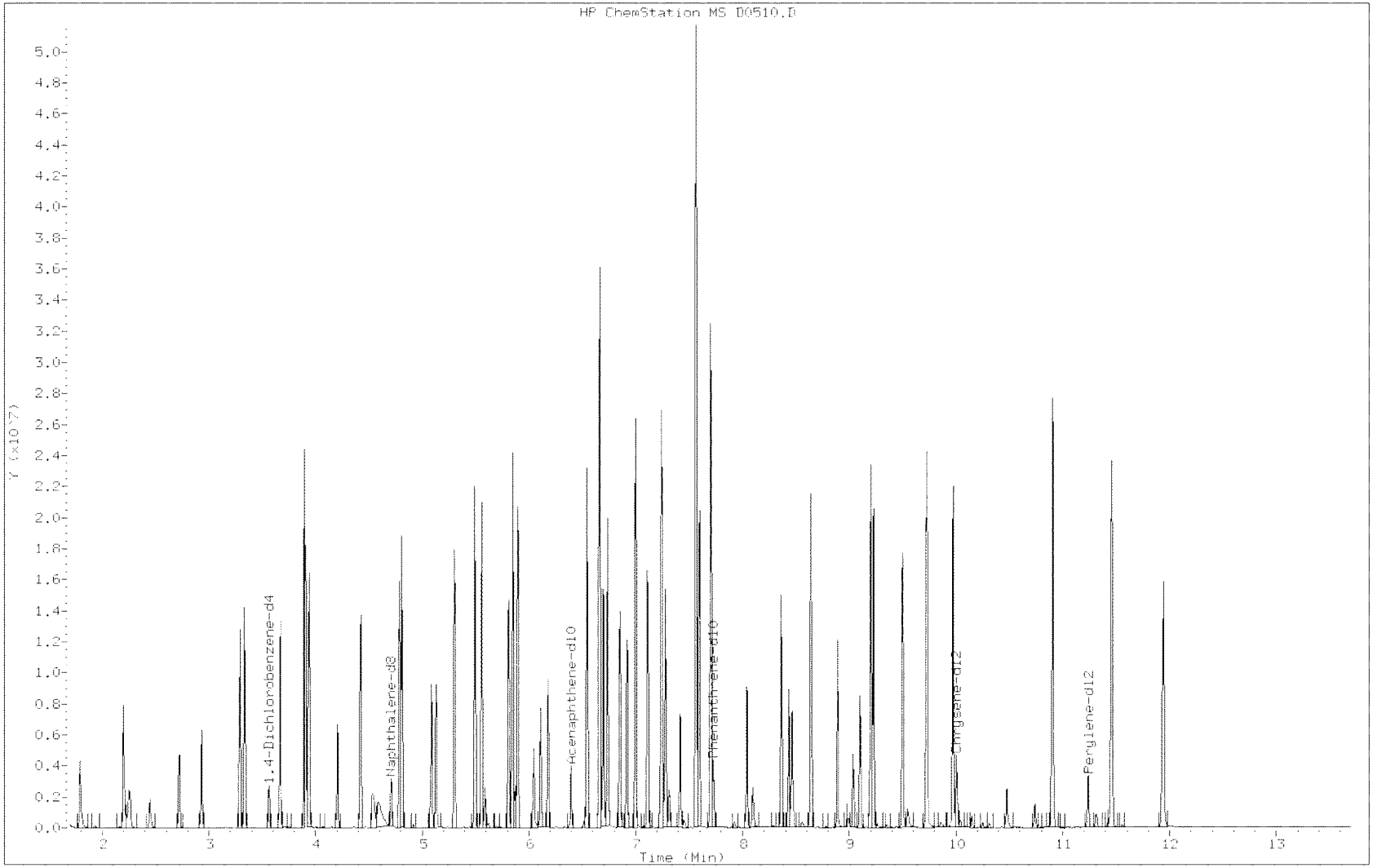
Date: 02-MAY-2012 07:20

Client ID:

Instrument: D.i

Sample Info: IC-1314754,,AP9200

Operator: hoffmanm



Manual Integration Report

Data File: D0510.D
Inj. Date and Time: 02-MAY-2012 07:20
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/03/2012

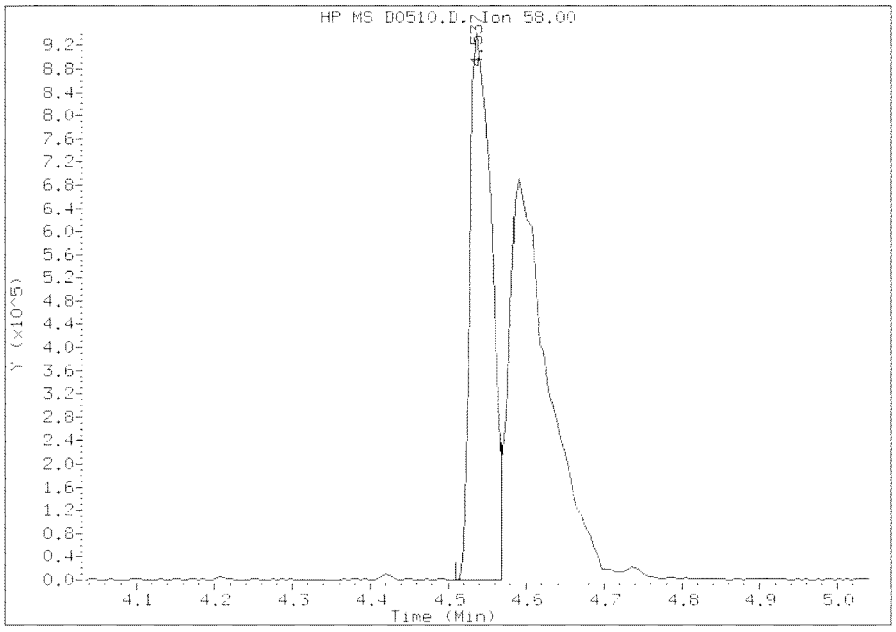
Processing Integration Results

RT: 4.54

Response: 1793259

Amount: 0

Conc: 0



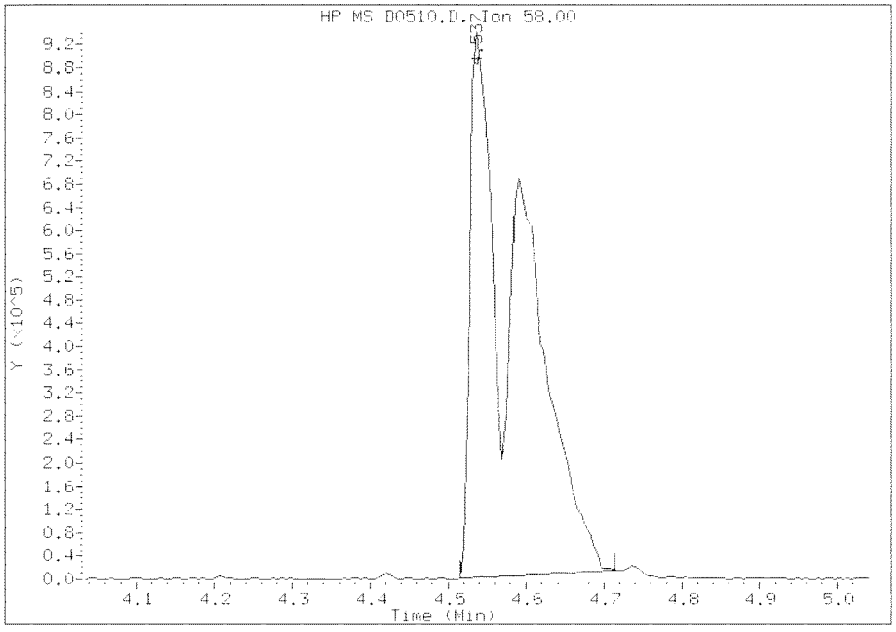
Manual Integration Results

RT: 4.54

Response: 4124102

Amount: 202

Conc: 202



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 10:30
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0511.D
Lab Smp Id: IC-1314710
Inj Date : 02-MAY-2012 07:39
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314710,,AP9160
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:30 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 07:20 Cal File: D0510.D
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.564	3.564	(1.000)	302122	40.0000	
* 58 Naphthalene-d8	136	4.712	4.712	(1.000)	1099386	40.0000	
* 96 Acenaphthene-d10	164	6.395	6.395	(1.000)	754710	40.0000	
* 135 Phenanthrene-d10	188	7.730	7.730	(1.000)	1347831	40.0000	
* 166 Chrysene-d12	240	9.995	9.995	(1.000)	1505824	40.0000	
* 179 Perylene-d12	264	11.203	11.203	(1.000)	1368585	40.0000	
9 2-Picoline	93	2.201	2.201	(0.618)	1818550	160.000	166.056
10 N-Nitrosomethylethylamine	88	2.260	2.260	(0.634)	810050	160.000	163.708
11 Methyl methanesulfonate	80	2.447	2.447	(0.687)	599125	160.000	167.786
12 N-Nitrosodiethylamine	102	2.725	2.725	(0.765)	817581	160.000	163.879
13 Ethyl methanesulfonate	79	2.933	2.933	(0.823)	1489236	160.000	163.924
24 Pentachloroethane	117	3.334	3.334	(0.936)	765743	160.000	167.912
39 N-Nitrosopyrrolidine	100	3.905	3.905	(1.096)	1005277	160.000	172.534
40 N-Nitrosomorpholine	116	3.932	3.932	(1.103)	376929	160.000	172.661
42 o-Toluidine	106	3.943	3.943	(1.106)	2862937	160.000	172.146
46 N-Nitrosopiperidine	114	4.210	4.210	(0.893)	823265	160.000	168.595
51 O,O,O-Triethyl phosphorothio	198	4.424	4.424	(0.939)	1137341	160.000	171.554
55 a,a-Dimethylphenethylamine	58	4.536	4.536	(0.963)	3300791	160.000	166.612(M)
61 2,6-Dichlorophenol	162	4.787	4.787	(1.016)	1682643	160.000	175.901
63 Hexachloropropene	213	4.808	4.808	(1.020)	1996418	160.000	172.780
64 N-Nitrosodi-n-butylamine	84	5.086	5.086	(1.079)	1298228	160.000	166.315
66 p-Phenylenediamine	108	5.129	5.129	(1.088)	2082727	160.000	164.495

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.305	5.305	(1.126)	1548182	160.000	170.933
75	1,2,4,5-Tetrachlorobenzene	216	5.556	5.556	(1.179)	2280906	160.000	173.996
76	Isosafrole (#1)	162	5.588	5.588	(0.874)	248024	28.0000	29.0414
84	Isosafrole (#2)	104	5.813	5.813	(0.909)	930902	132.000	138.405
85	Biphenyl	154	5.850	5.850	(0.915)	4656689	160.000	171.771
87	1-Chloronaphthalene	162	5.898	5.898	(0.922)	3723920	160.000	167.504
89	1,4-Naphthoquinone	158	6.048	6.048	(0.946)	726634	160.000	146.510
90	1,4-Dinitrobenzene	168	6.112	6.112	(0.956)	653474	160.000	177.625
92	1,3-Dinitrobenzene	168	6.181	6.181	(0.967)	701578	160.000	170.952
100	Pentachlorobenzene	250	6.544	6.544	(1.023)	2037934	160.000	171.840
103	1-Naphthylamine	143	6.667	6.667	(1.043)	4187555	160.000	175.794
104	2,3,4,6-Tetrachlorophenol	232	6.699	6.699	(1.048)	1301759	160.000	176.680
106	2-Naphthylamine	143	6.737	6.737	(1.053)	3823862	160.000	170.322
108	Thionazin	97	6.854	6.854	(1.072)	1096565	160.000	169.780
111	5-Nitro-o-toluidine	152	6.918	6.918	(1.082)	1159031	160.000	168.700
114	Diphenylamine	169	6.999	6.999	(1.094)	3908089	160.000	171.480
117	Sulfotepp	97	7.111	7.111	(0.920)	948595	160.000	172.012
119	Diallate (#1)	86	7.239	7.239	(0.936)	1473106	115.200	123.434
120	1,3,5-Trinitrobenzene	213	7.244	7.244	(0.937)	624738	160.000	158.357
121	Phorate	121	7.250	7.250	(0.938)	835782	160.000	177.626
122	Phenacetin	108	7.282	7.282	(0.942)	2175490	160.000	168.326
123	Diallate (#2)	86	7.319	7.319	(0.947)	254546	44.8000	44.6438
126	Dimethoate	87	7.415	7.415	(0.959)	1044530	160.000	150.017
130	4-Aminobiphenyl	169	7.565	7.565	(0.979)	5753968	160.000	183.160
131	Pentachloronitrobenzene	237	7.570	7.570	(0.979)	1061672	160.000	163.339
132	Pronamide	173	7.597	7.597	(0.983)	2216337	160.000	172.053
133	Disulfoton	88	7.704	7.704	(0.997)	2232007	160.000	178.970
134	2-secbutyl-4,6-dinitropheno	211	7.709	7.709	(0.997)	1463369	160.000	159.533
142	Methyl parathion	109	8.040	8.040	(1.040)	1130556	160.000	155.810
145	Parathion	109	8.361	8.361	(1.082)	932146	160.000	163.786
146	4-Nitroquinoline-1-oxide	190	8.430	8.430	(1.091)	653362	160.000	161.336
147	Methapyrilene	97	8.462	8.462	(1.095)	1509737	160.000	147.712
148	Isodrin	193	8.639	8.639	(1.117)	911565	160.000	171.149
153	Aramite (#1)	185	9.034	9.034	(0.904)	241914	73.6000	76.5436
155	Aramite (#2)	185	9.098	9.098	(0.910)	537737	86.4000	93.1205
156	p-Dimethylaminoazobenzene	120	9.199	9.199	(0.920)	1983318	160.000	168.918
157	Chlorobenzilate	251	9.226	9.226	(0.923)	2318491	160.000	160.866
160	3,3'-Dimethylbenzidine	212	9.493	9.493	(0.950)	4629845	160.000	169.661
161	2-Acetylaminofluorene	181	9.718	9.718	(0.972)	2923809	160.000	180.642
M 173	Total Isosafrole	162				1178926	160.000	167.446
M 174	Total Diallate	86				1727652	160.000	168.078
M 175	Total Aramite	185				779651	160.000	169.664
176	7,12-Dimethylbenz(a)anthrac	256	10.882	10.882	(0.971)	4101587	160.000	158.268
181	3-Methylcholanthrene	268	11.422	11.422	(1.020)	4342923	160.000	161.645
184	Dibenz(a,j)acridine	279	11.897	11.897	(1.062)	5602268	160.000	162.414

QC Flag Legend

M - Compound response manually integrated.

EPAPAV0011876

Data File: D0511.D

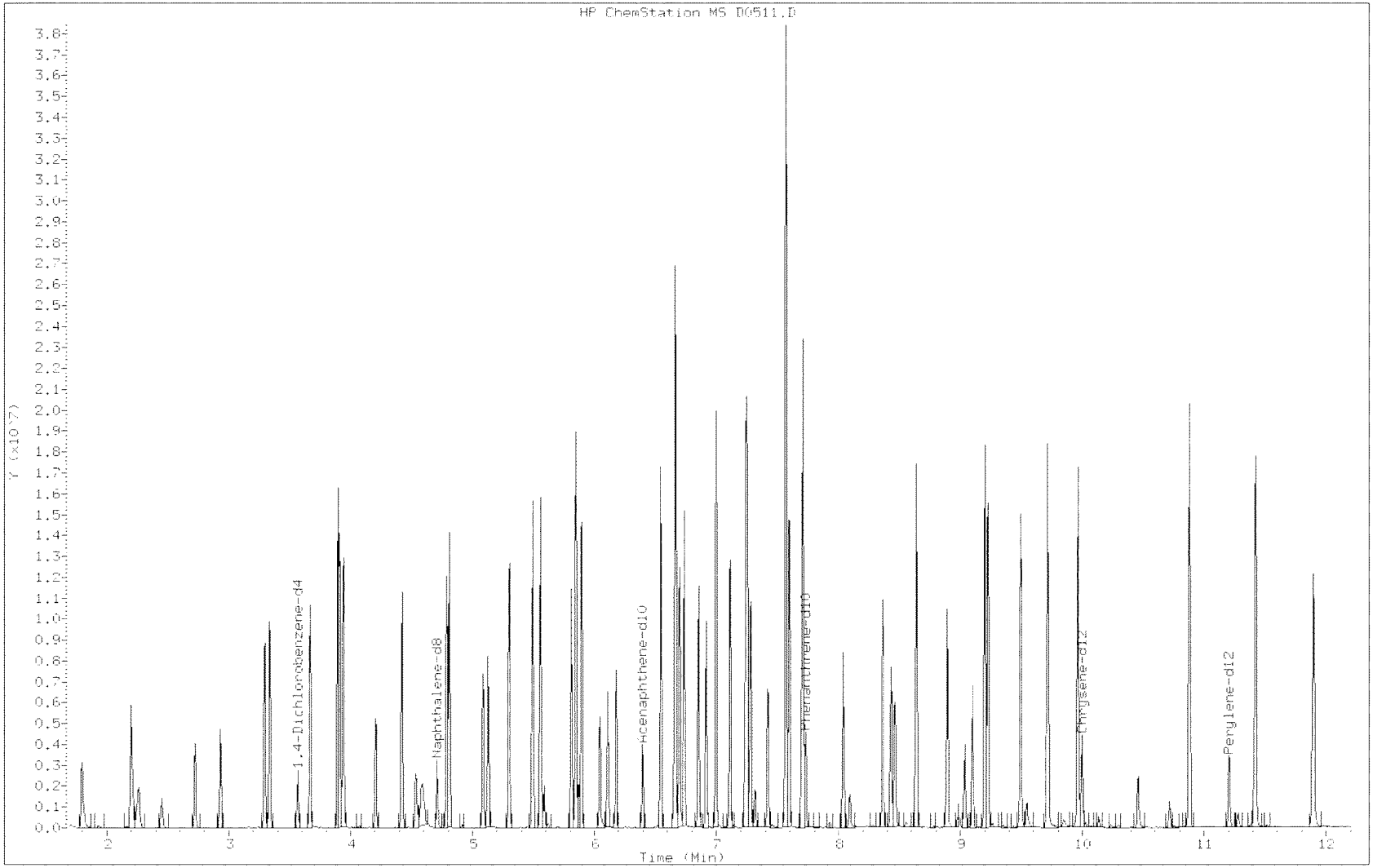
Date: 02-MAY-2012 07:39

Client ID:

Instrument: D.i

Sample Info: IC-1314710,,AP9160

Operator: hoffmanm



Manual Integration Report

Data File: D0511.D
Inj. Date and Time: 02-MAY-2012 07:39
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/03/2012

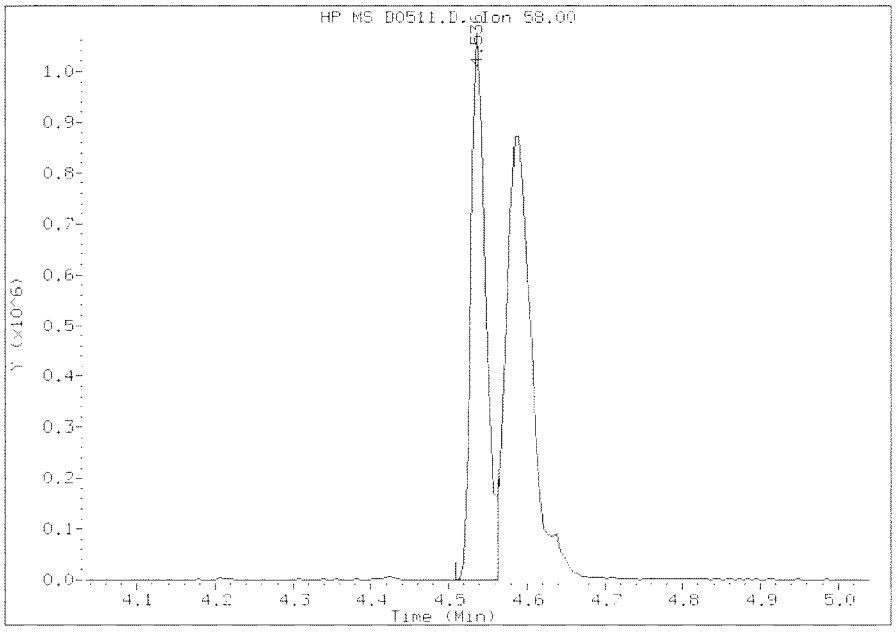
Processing Integration Results

RT: 4.54

Response: 1383448

Amount: 0

Conc: 0



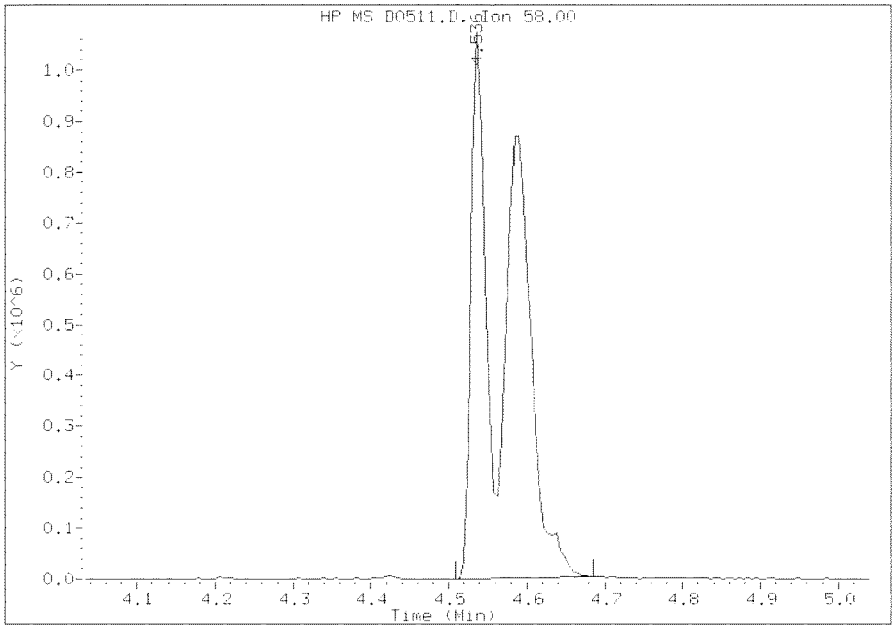
Manual Integration Results

RT: 4.54

Response: 3300791

Amount: 167

Conc: 167



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 10:30
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0512.D
Lab Smp Id: IC-1314708
Inj Date : 02-MAY-2012 07:57
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314708,,AP9120
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:30 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 07:39 Cal File: D0511.D
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.563	3.563	(1.000)	311171	40.0000	
* 58 Naphthalene-d8	136	4.712	4.712	(1.000)	1125725	40.0000	
* 96 Acenaphthene-d10	164	6.395	6.395	(1.000)	765233	40.0000	
* 135 Phenanthrene-d10	188	7.730	7.730	(1.000)	1374389	40.0000	
* 166 Chrysene-d12	240	10.000	10.000	(1.000)	1565133	40.0000	
* 179 Perylene-d12	264	11.213	11.213	(1.000)	1417129	40.0000	
9 2-Picoline	93	2.201	2.201	(0.618)	1360944	120.000	120.657
10 N-Nitrosomethylethylamine	88	2.260	2.260	(0.634)	626506	120.000	122.932
11 Methyl methanesulfonate	80	2.452	2.452	(0.688)	461800	120.000	125.567
12 N-Nitrosodiethylamine	102	2.724	2.724	(0.765)	630708	120.000	122.745
13 Ethyl methanesulfonate	79	2.933	2.933	(0.823)	1129681	120.000	120.730
24 Pentachloroethane	117	3.339	3.339	(0.937)	586701	120.000	124.910
39 N-Nitrosopyrrolidine	100	3.905	3.905	(1.096)	755650	120.000	125.919
40 N-Nitrosomorpholine	116	3.932	3.932	(1.103)	279116	120.000	124.137
42 o-Toluidine	106	3.942	3.942	(1.106)	2143138	120.000	125.118
46 N-Nitrosopiperidine	114	4.210	4.210	(0.893)	619077	120.000	123.813
51 O,O,O-Triethyl phosphorothio	198	4.423	4.423	(0.939)	850954	120.000	125.353
55 a,a-Dimethylphenethylamine	58	4.535	4.535	(0.963)	2496439	120.000	123.063(M)
61 2,6-Dichlorophenol	162	4.787	4.787	(1.016)	1242022	120.000	126.801
63 Hexachloropropene	213	4.813	4.813	(1.022)	1503033	120.000	127.036
64 N-Nitrosodi-n-butylamine	84	5.086	5.086	(1.079)	984452	120.000	123.167
66 p-Phenylenediamine	108	5.128	5.128	(1.088)	1612269	120.000	124.359

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
70	Safrole	162	5.305	5.305	(1.126)	1151366	120.000	124.147
75	1,2,4,5-Tetrachlorobenzene	216	5.561	5.561	(1.180)	1714424	120.000	127.723
76	Isosafrole (#1)	162	5.588	5.588	(0.874)	182485	21.0000	21.0736
84	Isosafrole (#2)	104	5.812	5.812	(0.909)	693373	99.0000	101.672
85	Biphenyl	154	5.850	5.850	(0.915)	3465967	120.000	126.091
87	1-Chloronaphthalene	162	5.898	5.898	(0.922)	2820968	120.000	125.144
89	1,4-Naphthoquinone	158	6.047	6.047	(0.946)	620873	120.000	123.464
90	1,4-Dinitrobenzene	168	6.111	6.111	(0.956)	457195	120.000	122.564
92	1,3-Dinitrobenzene	168	6.181	6.181	(0.967)	528942	120.000	127.114
100	Pentachlorobenzene	250	6.544	6.544	(1.023)	1531630	120.000	127.372
103	1-Naphthylamine	143	6.667	6.667	(1.043)	3093864	120.000	128.095
104	2,3,4,6-Tetrachlorophenol	232	6.699	6.699	(1.048)	946052	120.000	126.636
106	2-Naphthylamine	143	6.736	6.736	(1.053)	2854755	120.000	125.408
108	Thionazin	97	6.854	6.854	(1.072)	812409	120.000	124.055
111	5-Nitro-o-toluidine	152	6.918	6.918	(1.082)	879864	120.000	126.306
114	Diphenylamine	169	6.998	6.998	(1.094)	2949389	120.000	127.635
117	Sulfotepp	97	7.116	7.116	(0.921)	701970	120.000	124.831
119	Diallate (#1)	86	7.239	7.239	(0.936)	1112482	86.4000	91.4158
120	1,3,5-Trinitrobenzene	213	7.244	7.244	(0.937)	466083	120.000	117.745
121	Phorate	121	7.249	7.249	(0.938)	609366	120.000	127.004
122	Phenacetin	108	7.276	7.276	(0.941)	1671014	120.000	126.794
123	Diallate (#2)	86	7.319	7.319	(0.947)	201475	33.6000	34.6531
126	Dimethoate	87	7.415	7.415	(0.959)	822667	120.000	115.870
130	4-Aminobiphenyl	169	7.564	7.564	(0.979)	4236819	120.000	132.260
131	Pentachloronitrobenzene	237	7.570	7.570	(0.979)	769124	120.000	117.125
132	Pronamide	173	7.591	7.591	(0.982)	1660766	120.000	126.433
133	Disulfoton	88	7.703	7.703	(0.997)	1627209	120.000	127.954
134	2-secbutyl-4,6-dinitropheno	211	7.709	7.709	(0.997)	1035040	120.000	120.103
142	Methyl parathion	109	8.040	8.040	(1.040)	875540	120.000	118.333
145	Parathion	109	8.360	8.360	(1.082)	718286	120.000	123.770
146	4-Nitroquinoline-1-oxide	190	8.430	8.430	(1.091)	497439	120.000	122.329
147	Methapyrilene	97	8.457	8.457	(1.094)	1179080	120.000	113.131
148	Isodrin	193	8.638	8.638	(1.117)	688054	120.000	126.688
153	Aramite (#1)	185	9.034	9.034	(0.903)	190917	55.2000	58.1187
155	Aramite (#2)	185	9.098	9.098	(0.910)	398674	64.8000	66.4226
156	p-Dimethylaminoazobenzene	120	9.199	9.199	(0.920)	1531042	120.000	125.456
157	Chlorobenzilate	251	9.226	9.226	(0.923)	1686123	120.000	114.140
160	3,3'-Dimethylbenzidine	212	9.493	9.493	(0.949)	3449575	120.000	121.620
161	2-Acetylaminofluorene	181	9.717	9.717	(0.972)	2098130	120.000	124.717
M 173	Total Isosafrole	162				875858	120.000	122.745
M 174	Total Diallate	86				1313957	120.000	126.069
M 175	Total Aramite	185				589591	120.000	124.541
176	7,12-Dimethylbenz(a)anthrac	256	10.882	10.882	(0.970)	2983157	120.000	114.173
181	3-Methylcholanthrene	268	11.427	11.427	(1.019)	3081858	120.000	113.929
184	Dibenz(a,j)acridine	279	11.902	11.902	(1.061)	3991237	120.000	119.216

QC Flag Legend

M - Compound response manually integrated.

EPAPAV0011880

Data File: D0512.D

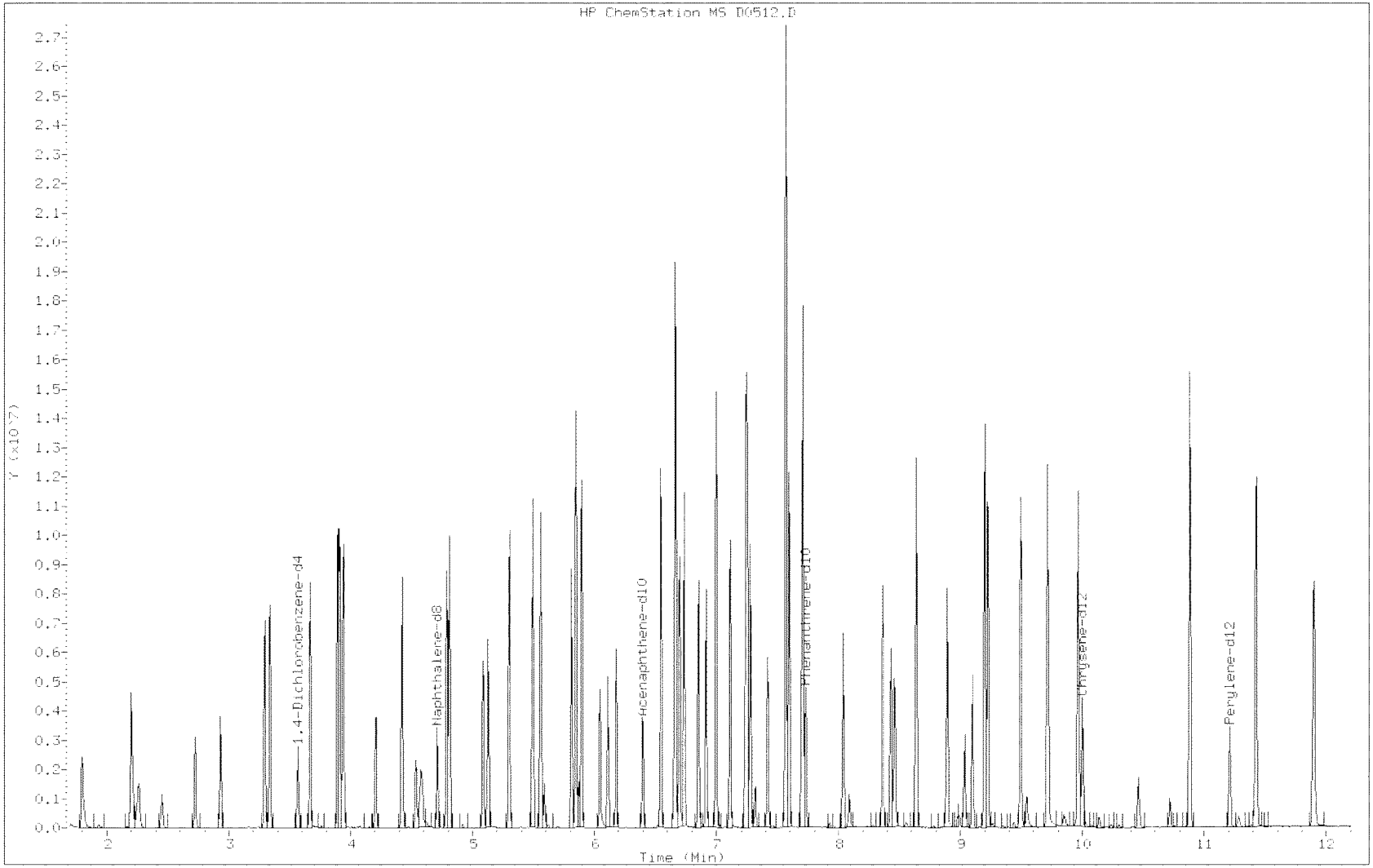
Date: 02-MAY-2012 07:57

Client ID:

Instrument: D.i

Sample Info: IC-1314708,,AP9120

Operator: hoffmanm



Manual Integration Report

Data File: D0512.D
Inj. Date and Time: 02-MAY-2012 07:57
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/03/2012

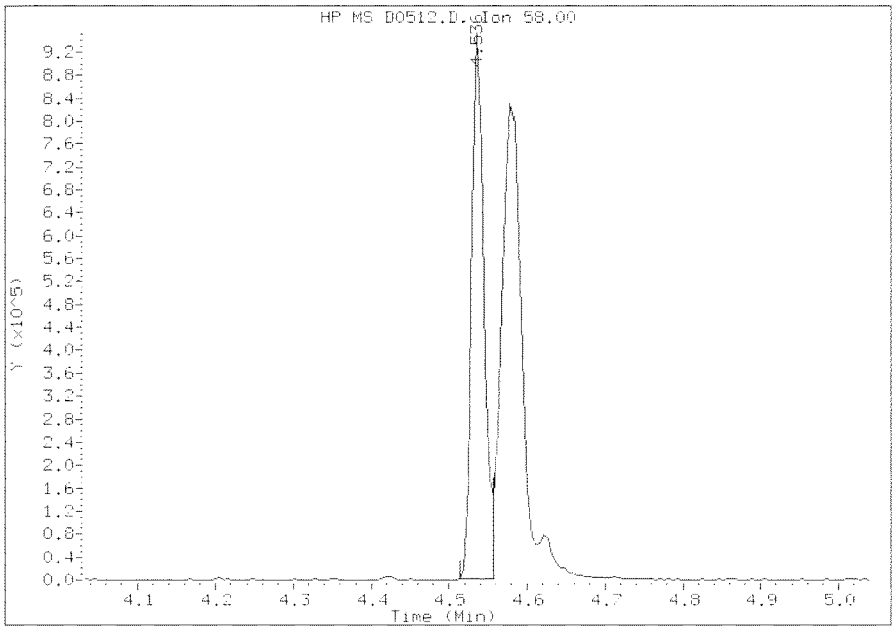
Processing Integration Results

RT: 4.54

Response: 1031610

Amount: 0

Conc: 0



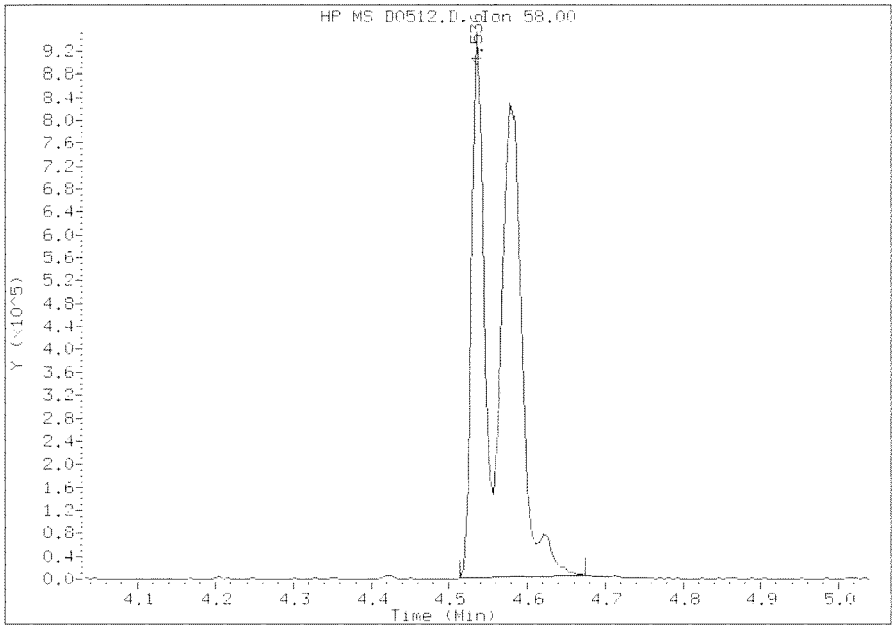
Manual Integration Results

RT: 4.54

Response: 2496439

Amount: 123

Conc: 123



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 10:30
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0513.D
Lab Smp Id: ICIS-1314706
Inj Date : 02-MAY-2012 08:14
Operator : hoffmanm Inst ID: D.i
Smp Info : ICIS-1314706,,AP9080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:36 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 09:07 Cal File: D0516.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.564	3.564	(1.000)	300004	40.0000	
* 58	Naphthalene-d8	136	4.713	4.713	(1.000)	1098446	40.0000	
* 96	Acenaphthene-d10	164	6.395	6.395	(1.000)	750338	40.0000	
* 135	Phenanthrene-d10	188	7.731	7.731	(1.000)	1319935	40.0000	
* 166	Chrysene-d12	240	9.996	9.996	(1.000)	1506481	40.0000	
* 179	Perylene-d12	264	11.203	11.203	(1.000)	1372690	40.0000	
9	2-Picoline	93	2.202	2.202	(0.618)	883724	80.0000	81.2647
10	N-Nitrosomethylethylamine	88	2.261	2.261	(0.634)	393748	80.0000	80.1366
11	Methyl methanesulfonate	80	2.447	2.447	(0.687)	295871	80.0000	83.4443
12	N-Nitrosodiethylamine	102	2.725	2.725	(0.765)	405091	80.0000	81.7711
13	Ethyl methanesulfonate	79	2.934	2.934	(0.823)	738971	80.0000	81.9145
24	Pentachloroethane	117	3.334	3.334	(0.936)	363178	80.0000	80.1999
39	N-Nitrosopyrrolidine	100	3.901	3.901	(1.094)	469918	80.0000	81.2206
40	N-Nitrosomorpholine	116	3.927	3.927	(1.102)	175929	80.0000	81.1572
42	o-Toluidine	106	3.938	3.938	(1.105)	1322620	80.0000	80.0897
46	N-Nitrosopiperidine	114	4.205	4.205	(0.892)	399998	80.0000	81.9850
51	O,O,O-Triethyl phosphorothio	198	4.424	4.424	(0.939)	523963	80.0000	79.1013
55	a,a-Dimethylphenethylamine	58	4.536	4.536	(0.963)	1620619	80.0000	81.8732 (M)
61	2,6-Dichlorophenol	162	4.787	4.787	(1.016)	763601	80.0000	79.8939
63	Hexachloropropene	213	4.809	4.809	(1.020)	941977	80.0000	81.5931
64	N-Nitrosodi-n-butylamine	84	5.087	5.087	(1.079)	638212	80.0000	81.8310
66	p-Phenylenediamine	108	5.124	5.124	(1.087)	1052161	80.0000	83.1715

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
70	Safrole	162	5.306	5.306	(1.126)	727764	80.0000	80.4204
75	1,2,4,5-Tetrachlorobenzene	216	5.557	5.557	(1.179)	1044534	80.0000	79.7493
76	Isosafrole (#1)	162	5.589	5.589	(0.874)	125955	14.0000	14.8342
84	Isosafrole (#2)	104	5.808	5.808	(0.908)	451549	66.0000	67.5267
85	Biphenyl	154	5.850	5.850	(0.915)	2157941	80.0000	80.0637
87	1-Chloronaphthalene	162	5.893	5.893	(0.921)	1794870	80.0000	81.2045
89	1,4-Naphthoquinone	158	6.048	6.048	(0.946)	422358	80.0000	85.6558
90	1,4-Dinitrobenzene	168	6.107	6.107	(0.955)	286559	80.0000	78.3455
92	1,3-Dinitrobenzene	168	6.182	6.182	(0.967)	336620	80.0000	82.5016
100	Pentachlorobenzene	250	6.545	6.545	(1.023)	946545	80.0000	80.2786
103	1-Naphthylamine	143	6.662	6.662	(1.042)	1891419	80.0000	79.8649
104	2,3,4,6-Tetrachlorophenol	232	6.694	6.694	(1.047)	577120	80.0000	78.7854
106	2-Naphthylamine	143	6.737	6.737	(1.053)	1774570	80.0000	79.5033
108	Thionazin	97	6.849	6.849	(1.071)	524316	80.0000	81.6524
111	5-Nitro-o-toluidine	152	6.914	6.914	(1.081)	551960	80.0000	80.8074
114	Diphenylamine	169	6.999	6.999	(1.094)	1806824	80.0000	79.7424
117	Sulfotepp	97	7.111	7.111	(0.920)	444234	80.0000	82.2571
119	Diallate (#1)	86	7.234	7.234	(0.936)	700856	57.8000	59.9673
120	1,3,5-Trinitrobenzene	213	7.239	7.239	(0.936)	278320	80.0000	75.8698
121	Phorate	121	7.245	7.245	(0.937)	372511	80.0000	80.8419
122	Phenacetin	108	7.271	7.271	(0.941)	1036467	80.0000	81.8902
123	Diallate (#2)	86	7.314	7.314	(0.946)	127642	22.6000	22.8598
126	Dimethoate	87	7.410	7.410	(0.959)	579702	80.0000	85.0173
130	4-Aminobiphenyl	169	7.560	7.560	(0.978)	2562940	80.0000	83.3077
131	Pentachloronitrobenzene	237	7.565	7.565	(0.979)	473253	80.0000	76.3842
132	Pronamide	173	7.592	7.592	(0.982)	1028887	80.0000	81.5598
133	Disulfoton	88	7.704	7.704	(0.997)	995847	80.0000	81.5383
134	2-secbutyl-4,6-dinitropheno	211	7.704	7.704	(0.997)	618238	80.0000	80.8481
142	Methyl parathion	109	8.035	8.035	(1.039)	604202	80.0000	85.0291
145	Parathion	109	8.361	8.361	(1.082)	447207	80.0000	80.2385
146	4-Nitroquinoline-1-oxide	190	8.431	8.431	(1.091)	320321	80.0000	84.4542
147	Methapyrilene	97	8.457	8.457	(1.094)	822246	80.0000	82.1482
148	Isodrin	193	8.639	8.639	(1.117)	425082	80.0000	81.4969
153	Aramite (#1)	185	9.034	9.034	(0.904)	121709	36.0000	38.4930
155	Aramite (#2)	185	9.098	9.098	(0.910)	251828	43.2000	43.5903
156	p-Dimethylaminoazobenzene	120	9.200	9.200	(0.920)	940450	80.0000	80.0625
157	Chlorobenzilate	251	9.221	9.221	(0.923)	1009690	80.0000	73.0027
160	3,3'-Dimethylbenzidine	212	9.494	9.494	(0.950)	2178390	80.0000	79.7924
161	2-Acetylaminofluorene	181	9.713	9.713	(0.972)	1273851	80.0000	78.6680
M 173	Total Isosafrole	162				577504	80.0000	82.3609
M 174	Total Diallate	86				828498	80.0000	82.8270
M 175	Total Aramite	185				373537	80.0000	82.0833
176	7,12-Dimethylbenz(a)anthrac	256	10.877	10.877	(0.971)	1785471	80.0000	74.4040
181	3-Methylcholanthrene	268	11.417	11.417	(1.019)	1817219	80.0000	73.2702
184	Dibenz(a,j)acridine	279	11.892	11.892	(1.062)	2440853	80.0000	79.8479

QC Flag Legend

M - Compound response manually integrated.

Data File: D0513.D

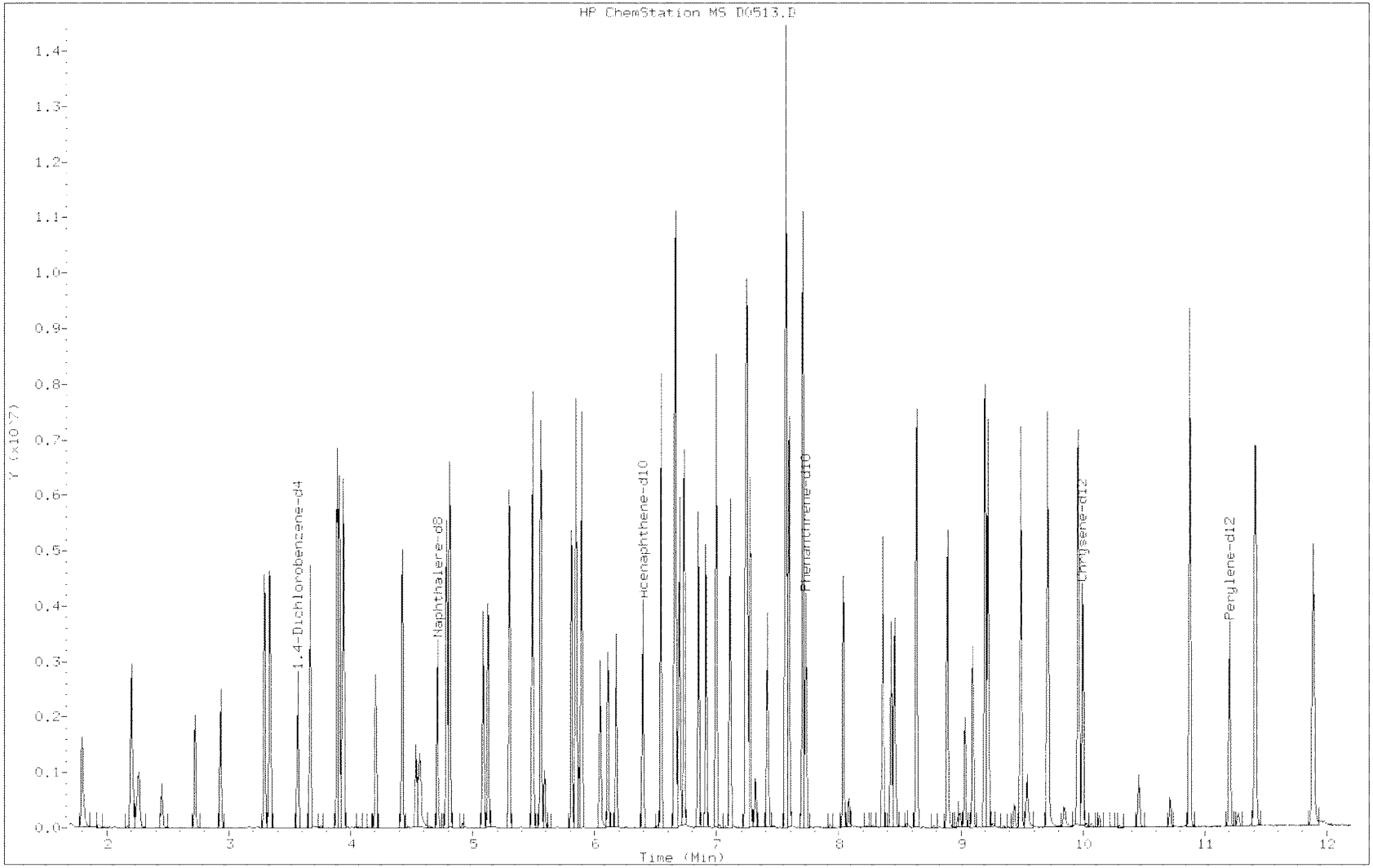
Date: 02-MAY-2012 08:14

Client ID:

Instrument: D.i

Sample Info: ICIS-1314706,,AP9080

Operator: hoffmanm



Manual Integration Report

Data File: D0513.D
Inj. Date and Time: 02-MAY-2012 08:14
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/03/2012

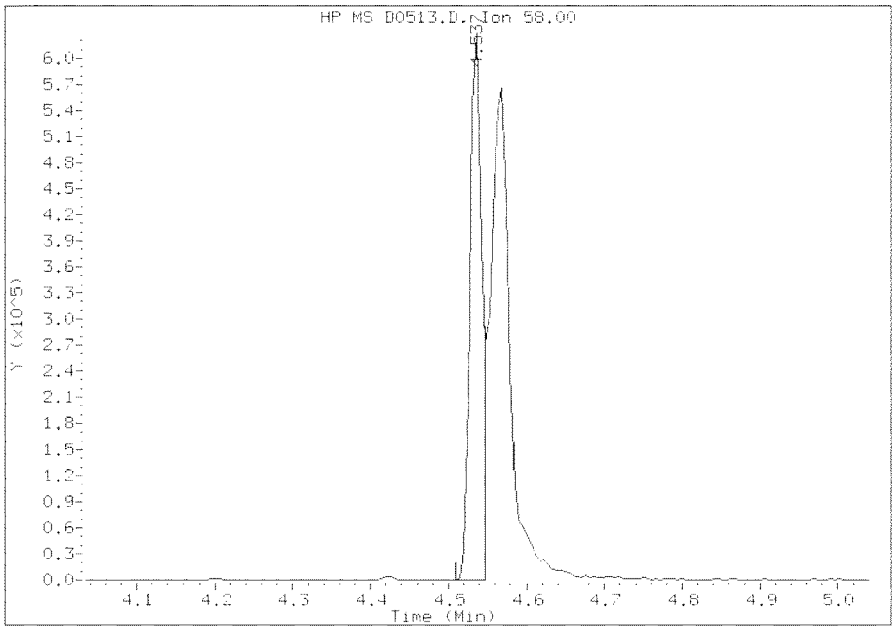
Processing Integration Results

RT: 4.54

Response: 664911

Amount: 0

Conc: 0



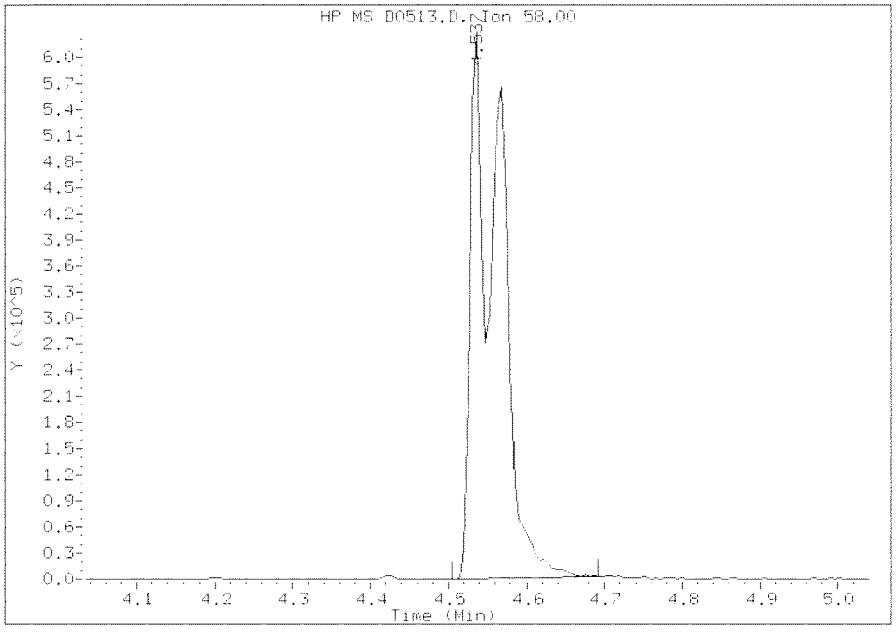
Manual Integration Results

RT: 4.54

Response: 1620619

Amount: 82

Conc: 82



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 10:30
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0514.D
Lab Smp Id: IC-1314703
Inj Date : 02-MAY-2012 08:32
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314703,,AP9050
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:36 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 08:14 Cal File: D0513.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.568	3.568	(1.000)	320952	40.0000	
* 58	Naphthalene-d8	136	4.711	4.711	(1.000)	1149021	40.0000	
* 96	Acenaphthene-d10	164	6.399	6.399	(1.000)	763187	40.0000	
* 135	Phenanthrene-d10	188	7.729	7.729	(1.000)	1368152	40.0000	
* 166	Chrysene-d12	240	10.000	10.000	(1.000)	1598232	40.0000	
* 179	Perylene-d12	264	11.207	11.207	(1.000)	1448274	40.0000	
9	2-Picoline	93	2.200	2.200	(0.617)	556013	50.0000	47.7922
10	N-Nitrosomethylethylamine	88	2.259	2.259	(0.633)	253394	50.0000	48.2054
11	Methyl methanesulfonate	80	2.451	2.451	(0.687)	179490	50.0000	47.3175
12	N-Nitrosodiethylamine	102	2.724	2.724	(0.763)	249086	50.0000	46.9984
13	Ethyl methanesulfonate	79	2.932	2.932	(0.822)	462621	50.0000	47.9342
24	Pentachloroethane	117	3.338	3.338	(0.936)	234322	50.0000	48.3676
39	N-Nitrosopyrrolidine	100	3.899	3.899	(1.093)	283790	50.0000	45.8488
40	N-Nitrosomorpholine	116	3.931	3.931	(1.102)	110857	50.0000	47.8013
42	o-Toluidine	106	3.936	3.936	(1.103)	828128	50.0000	46.8734
46	N-Nitrosopiperidine	114	4.203	4.203	(0.892)	237692	50.0000	46.5738
51	O,O,O-Triethyl phosphorothio	198	4.422	4.422	(0.939)	328226	50.0000	47.3704
55	a,a-Dimethylphenethylamine	58	4.535	4.535	(0.963)	1043365	50.0000	50.3904 (M)
61	2,6-Dichlorophenol	162	4.786	4.786	(1.016)	476078	50.0000	47.6186
63	Hexachloropropene	213	4.812	4.812	(1.022)	584050	50.0000	48.3631
64	N-Nitrosodi-n-butylamine	84	5.085	5.085	(1.079)	398127	50.0000	48.8006
66	p-Phenylenediamine	108	5.122	5.122	(1.087)	682710	50.0000	51.5916

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.304	5.304	(1.126)	442293	50.0000	46.7236
75	1,2,4,5-Tetrachlorobenzene	216	5.560	5.560	(1.180)	655490	50.0000	47.8433
76	Isosafrole (#1)	162	5.592	5.592	(0.874)	74120	8.75000	8.58240(a)
84	Isosafrole (#2)	104	5.811	5.811	(0.908)	277158	41.2500	40.7497
85	Biphenyl	154	5.849	5.849	(0.914)	1308343	50.0000	47.7248
87	1-Chloronaphthalene	162	5.897	5.897	(0.922)	1069338	50.0000	47.5651
89	1,4-Naphthoquinone	158	6.046	6.046	(0.945)	280817	50.0000	55.9920
90	1,4-Dinitrobenzene	168	6.111	6.111	(0.955)	185934	50.0000	49.9787
92	1,3-Dinitrobenzene	168	6.180	6.180	(0.966)	202005	50.0000	48.6755
100	Pentachlorobenzene	250	6.543	6.543	(1.023)	567157	50.0000	47.2920
103	1-Naphthylamine	143	6.666	6.666	(1.042)	1128293	50.0000	46.8399
104	2,3,4,6-Tetrachlorophenol	232	6.698	6.698	(1.047)	352433	50.0000	47.3023
106	2-Naphthylamine	143	6.736	6.736	(1.053)	1103049	50.0000	48.5862
108	Thionazin	97	6.848	6.848	(1.070)	322482	50.0000	49.3750
111	5-Nitro-o-toluidine	152	6.917	6.917	(1.081)	337672	50.0000	48.6032
114	Diphenylamine	169	6.997	6.997	(1.093)	1091482	50.0000	47.3605
117	Sulfotepp	97	7.115	7.115	(0.921)	268364	50.0000	47.9407
119	Diallate (#1)	86	7.238	7.238	(0.936)	417908	36.0000	34.4972
120	1,3,5-Trinitrobenzene	213	7.238	7.238	(0.936)	155027	50.0000	44.0222
121	Phorate	121	7.248	7.248	(0.938)	228578	50.0000	47.8575
122	Phenacetin	108	7.270	7.270	(0.941)	668851	50.0000	50.9828
123	Diallate (#2)	86	7.318	7.318	(0.947)	78748	14.0000	13.6062
126	Dimethoate	87	7.409	7.409	(0.959)	382390	50.0000	54.1037
130	4-Aminobiphenyl	169	7.564	7.564	(0.979)	1490682	50.0000	46.7466
131	Pentachloronitrobenzene	237	7.569	7.569	(0.979)	288908	50.0000	46.5223
132	Pronamide	173	7.590	7.590	(0.982)	628342	50.0000	48.0533
133	Disulfoton	88	7.703	7.703	(0.997)	594812	50.0000	46.9858
134	2-secbutyl-4,6-dinitropheno	211	7.703	7.703	(0.997)	357712	50.0000	49.1304
142	Methyl parathion	109	8.039	8.039	(1.040)	393437	50.0000	53.4169
145	Parathion	109	8.360	8.360	(1.082)	276097	50.0000	47.7919
146	4-Nitroquinoline-1-oxide	190	8.429	8.429	(1.091)	184093	50.0000	50.1143
147	Methapyrilene	97	8.456	8.456	(1.094)	538122	50.0000	51.8675
148	Isodrin	193	8.637	8.637	(1.117)	249140	50.0000	46.0819
153	Aramite (#1)	185	9.033	9.033	(0.903)	73865	23.0000	22.0202
155	Aramite (#2)	185	9.097	9.097	(0.910)	158147	27.0000	25.8030
156	p-Dimethylaminoazobenzene	120	9.198	9.198	(0.920)	574794	50.0000	46.1243
157	Chlorobenzilate	251	9.225	9.225	(0.923)	616327	50.0000	44.2422
160	3,3'-Dimethylbenzidine	212	9.492	9.492	(0.949)	1397017	50.0000	48.2338
161	2-Acetylaminofluorene	181	9.711	9.711	(0.971)	774570	50.0000	45.0883
M 173	Total Isosafrole	162				351278	50.0000	49.3321
M 174	Total Diallate	86				496656	50.0000	48.1034
M 175	Total Aramite	185				232012	50.0000	47.8232
176	7,12-Dimethylbenz(a)anthrac	256	10.876	10.876	(0.970)	1053394	50.0000	46.0560
181	3-Methylcholanthrene	268	11.415	11.415	(1.019)	1099473	50.0000	46.2875
184	Dibenz(a,j)acridine	279	11.891	11.891	(1.061)	1468256	50.0000	48.4307

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: D0514.D

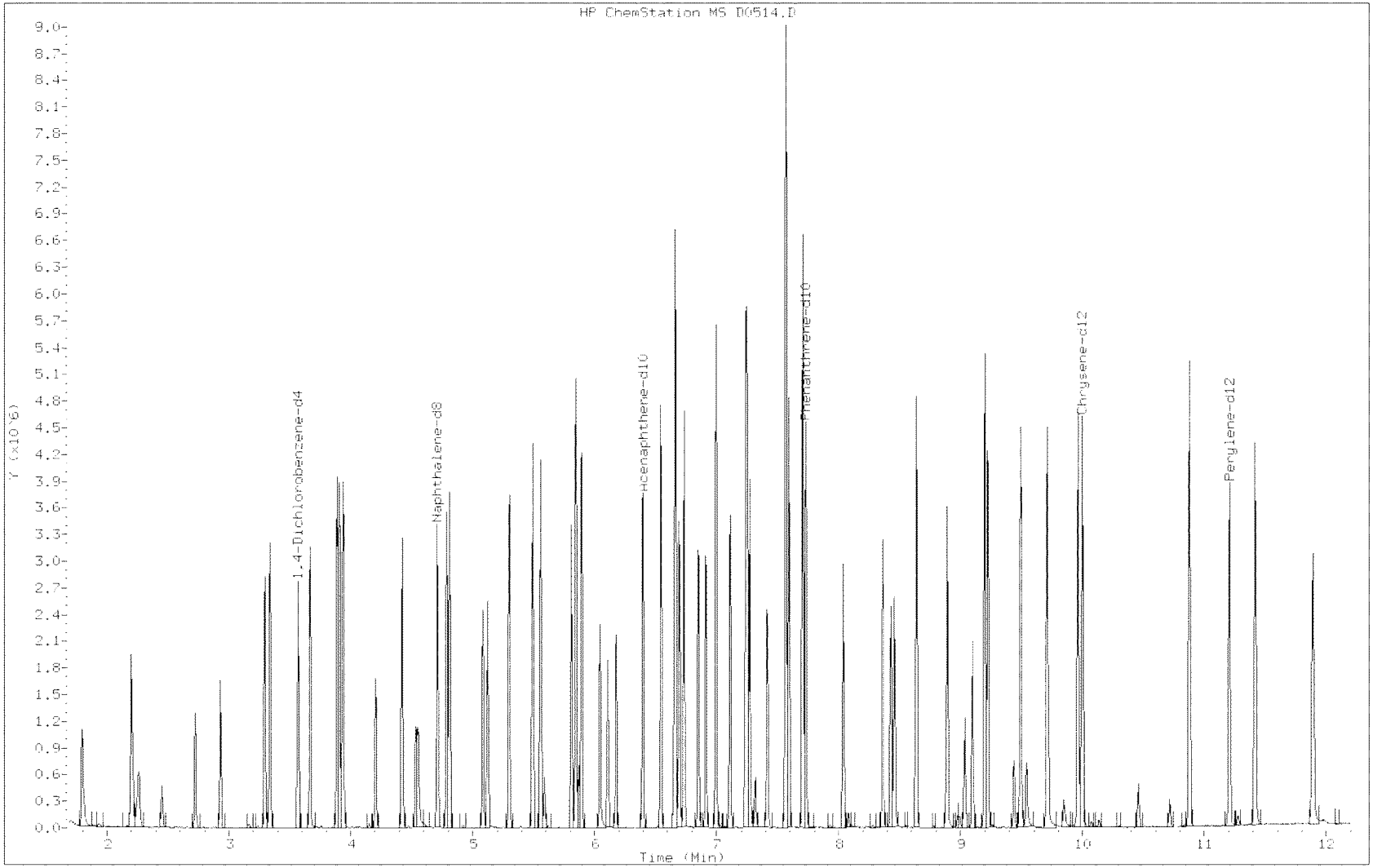
Date: 02-MAY-2012 08:32

Client ID:

Instrument: D.i

Sample Info: IC-1314703,,AP9050

Operator: hoffmanm



Manual Integration Report

Data File: D0514.D
Inj. Date and Time: 02-MAY-2012 08:32
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/03/2012

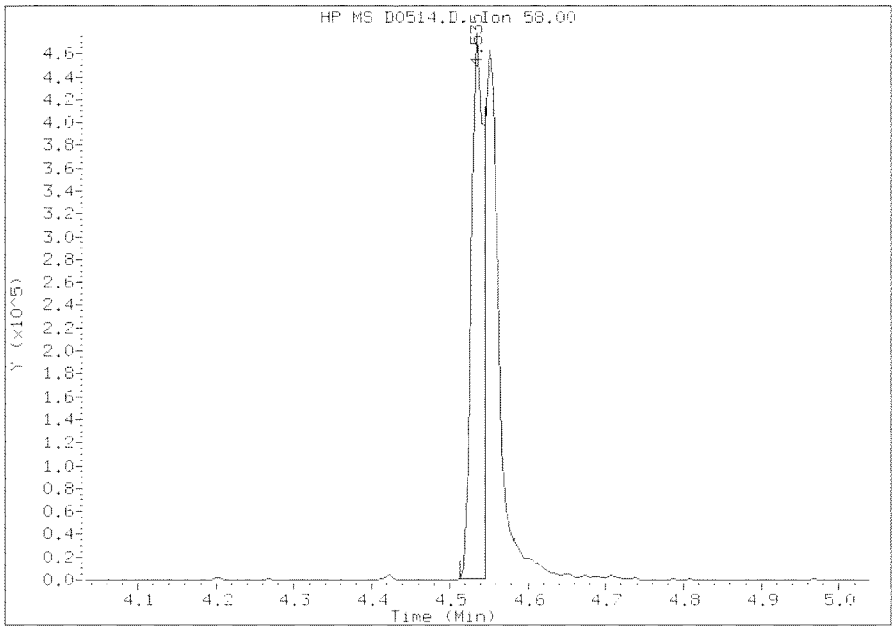
Processing Integration Results

RT: 4.54

Response: 551807

Amount: 0

Conc: 0



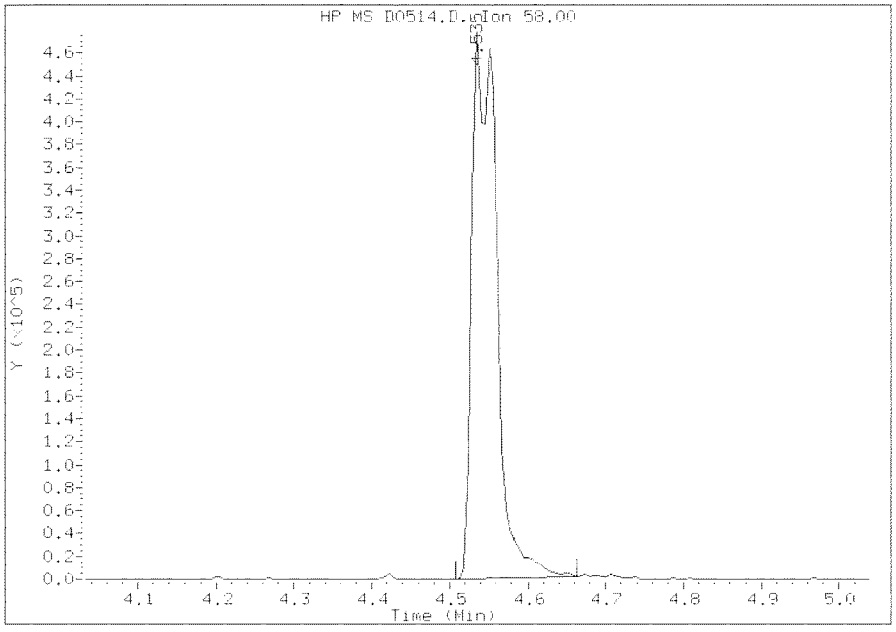
Manual Integration Results

RT: 4.54

Response: 1043365

Amount: 50

Conc: 50



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 10:31
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0515.D
Lab Smp Id: IC-1314701
Inj Date : 02-MAY-2012 08:50
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314701,,AP9020
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:36 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 08:32 Cal File: D0514.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.565	3.565	(1.000)	300591	40.0000	
* 58	Naphthalene-d8	136	4.714	4.714	(1.000)	1104885	40.0000	
* 96	Acenaphthene-d10	164	6.396	6.396	(1.000)	762172	40.0000	
* 135	Phenanthrene-d10	188	7.726	7.726	(1.000)	1328717	40.0000	
* 166	Chrysene-d12	240	10.002	10.002	(1.000)	1535231	40.0000	
* 179	Perylene-d12	264	11.215	11.215	(1.000)	1403893	40.0000	
9	2-Picoline	93	2.203	2.203	(0.618)	210778	20.0000	19.3447
10	N-Nitrosomethylethylamine	88	2.261	2.261	(0.634)	91517	20.0000	18.5894
11	Methyl methanesulfonate	80	2.448	2.448	(0.687)	67240	20.0000	18.9266
12	N-Nitrosodiethylamine	102	2.726	2.726	(0.765)	99933	20.0000	20.1329
13	Ethyl methanesulfonate	79	2.929	2.929	(0.822)	180601	20.0000	19.9804
24	Pentachloroethane	117	3.335	3.335	(0.936)	88176	20.0000	19.4337
39	N-Nitrosopyrrolidine	100	3.896	3.896	(1.093)	105628	20.0000	18.2211
40	N-Nitrosomorpholine	116	3.928	3.928	(1.102)	42271	20.0000	19.4618
42	o-Toluidine	106	3.939	3.939	(1.105)	311789	20.0000	18.8432
46	N-Nitrosopiperidine	114	4.206	4.206	(0.892)	98800	20.0000	20.1324
51	O,O,O-Triethyl phosphorothio	198	4.420	4.420	(0.938)	123667	20.0000	18.5609
55	a,a-Dimethylphenethylamine	58	4.537	4.537	(0.963)	394460	20.0000	19.8119(Q)
61	2,6-Dichlorophenol	162	4.788	4.788	(1.016)	180418	20.0000	18.7667
63	Hexachloropropene	213	4.810	4.810	(1.020)	211089	20.0000	18.1778
64	N-Nitrosodi-n-butylamine	84	5.082	5.082	(1.078)	151914	20.0000	19.3648
66	p-Phenylenediamine	108	5.125	5.125	(1.087)	249008	20.0000	19.5689

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
70	Safrole	162	5.301	5.301	(1.125)	173642	20.0000	19.0762
75	1,2,4,5-Tetrachlorobenzene	216	5.558	5.558	(1.179)	239170	20.0000	18.1540
76	Isosafrole (#1)	162	5.590	5.590	(0.874)	29158	3.50000	3.38072(a)
84	Isosafrole (#2)	104	5.809	5.809	(0.908)	101857	16.5000	14.9956
85	Biphenyl	154	5.846	5.846	(0.914)	491638	20.0000	17.9575
87	1-Chloronaphthalene	162	5.894	5.894	(0.921)	405942	20.0000	18.0807
89	1,4-Naphthoquinone	158	6.049	6.049	(0.946)	93353	20.0000	18.6384
90	1,4-Dinitrobenzene	168	6.108	6.108	(0.955)	66564	20.0000	17.9161
92	1,3-Dinitrobenzene	168	6.177	6.177	(0.966)	74964	20.0000	18.0875
100	Pentachlorobenzene	250	6.546	6.546	(1.023)	210386	20.0000	17.5663
103	1-Naphthylamine	143	6.663	6.663	(1.042)	410317	20.0000	17.0566
104	2,3,4,6-Tetrachlorophenol	232	6.695	6.695	(1.047)	129315	20.0000	17.3793
106	2-Naphthylamine	143	6.733	6.733	(1.053)	415876	20.0000	18.3426
108	Thionazin	97	6.850	6.850	(1.071)	117615	20.0000	18.0319
111	5-Nitro-o-toluidine	152	6.914	6.914	(1.081)	124636	20.0000	17.9635
114	Diphenylamine	169	6.995	6.995	(1.094)	406483	20.0000	17.6612
117	Sulfotepp	97	7.112	7.112	(0.920)	103710	20.0000	19.0767
119	Diallate (#1)	86	7.235	7.235	(0.936)	152702	14.4000	12.9793
120	1,3,5-Trinitrobenzene	213	7.240	7.240	(0.937)	48557	20.0000	18.9592
121	Phorate	121	7.246	7.246	(0.938)	79891	20.0000	17.2233
122	Phenacetin	108	7.267	7.267	(0.941)	246153	20.0000	19.3197
123	Diallate (#2)	86	7.315	7.315	(0.947)	32651	5.60000	5.80891(a)
126	Dimethoate	87	7.406	7.406	(0.959)	145957	20.0000	21.2641
130	4-Aminobiphenyl	169	7.561	7.561	(0.979)	536894	20.0000	17.3362
131	Pentachloronitrobenzene	237	7.566	7.566	(0.979)	99650	20.0000	18.9311
132	Pronamide	173	7.588	7.588	(0.982)	234663	20.0000	18.4788
133	Disulfoton	88	7.700	7.700	(0.997)	218606	20.0000	17.7808
134	2-secbutyl-4,6-dinitropheno	211	7.705	7.705	(0.997)	114987	20.0000	20.2274
142	Methyl parathion	109	8.036	8.036	(1.040)	148271	20.0000	20.7282
145	Parathion	109	8.357	8.357	(1.082)	102462	20.0000	18.2624
146	4-Nitroquinoline-1-oxide	190	8.426	8.426	(1.091)	51923	20.0000	19.7905(Q)
147	Methapyrilene	97	8.453	8.453	(1.094)	227052	20.0000	22.5342
148	Isodrin	193	8.635	8.635	(1.118)	97020	20.0000	18.4778
153	Aramite (#1)	185	9.030	9.030	(0.903)	24591	9.20000	7.63176(a)
155	Aramite (#2)	185	9.099	9.099	(0.910)	56704	10.8000	9.63140(a)
156	p-Dimethylaminoazobenzene	120	9.196	9.196	(0.919)	206964	20.0000	17.2893
157	Chlorobenzilate	251	9.222	9.222	(0.922)	218173	20.0000	19.6330
160	3,3'-Dimethylbenzidine	212	9.495	9.495	(0.949)	515803	20.0000	18.5396
161	2-Acetylaminofluorene	181	9.708	9.708	(0.971)	261028	20.0000	15.8182
M 173	Total Isosafrole	162				131015	20.0000	18.3764
M 174	Total Diallate	86				185353	20.0000	18.7882
M 175	Total Aramite	185				81295	20.0000	17.2632
176	7,12-Dimethylbenz(a)anthrac	256	10.878	10.878	(0.970)	365502	20.0000	22.9672
181	3-Methylcholanthrene	268	11.423	11.423	(1.019)	381472	20.0000	22.9957
184	Dibenz(a,j)acridine	279	11.899	11.899	(1.061)	510811	20.0000	20.0917

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: D0515.D

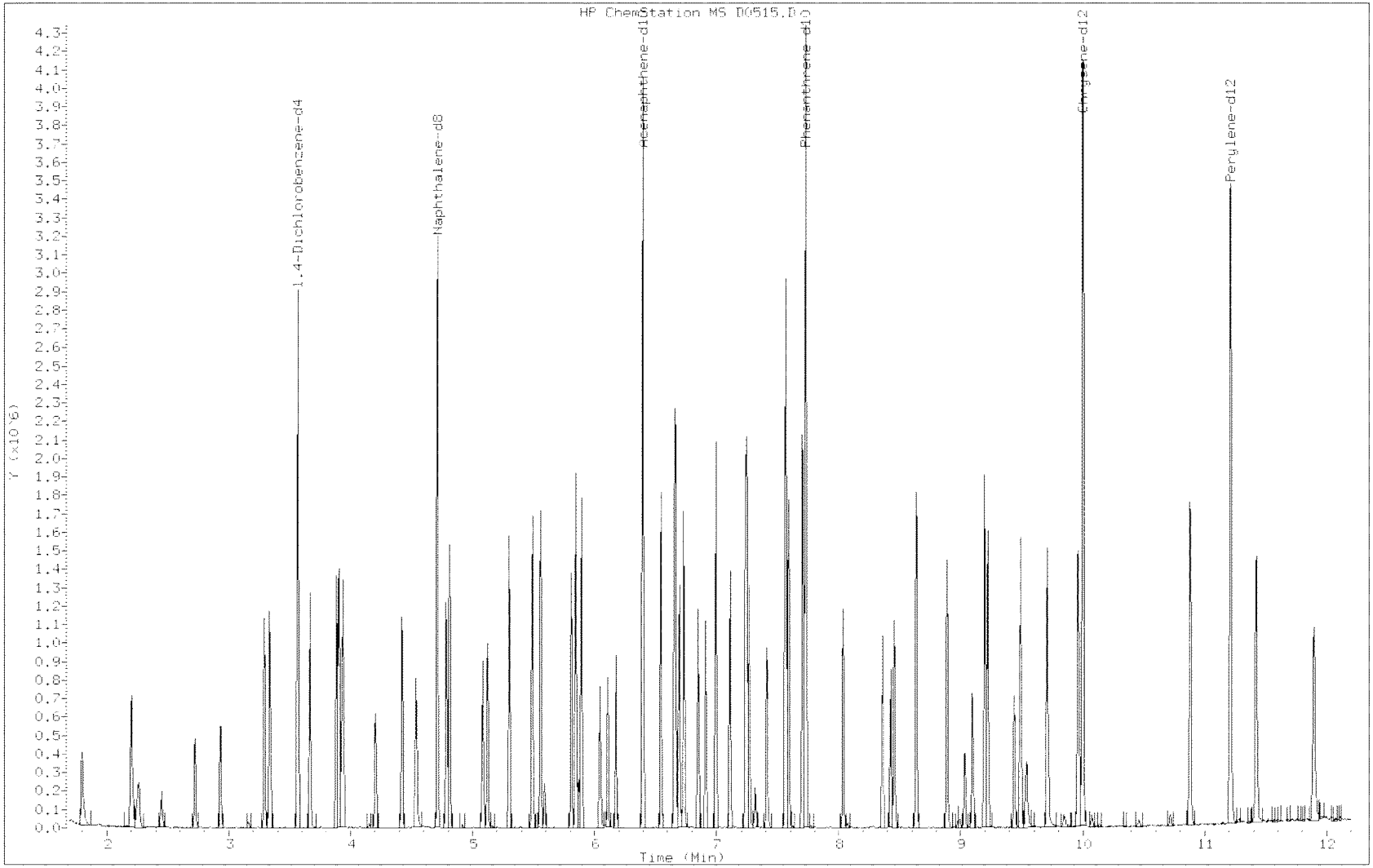
Date: 02-MAY-2012 08:50

Client ID:

Instrument: D.i

Sample Info: IC-1314701,,AP9020

Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0516.D
Lab Smp Id: IC-1314700
Inj Date : 02-MAY-2012 09:07
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314700,,AP9010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:36 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 08:50 Cal File: D0515.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.568	3.568	(1.000)	300350	40.0000	
* 58	Naphthalene-d8	136	4.711	4.711	(1.000)	1101678	40.0000	
* 96	Acenaphthene-d10	164	6.394	6.394	(1.000)	721859	40.0000	
* 135	Phenanthrene-d10	188	7.730	7.730	(1.000)	1330850	40.0000	
* 166	Chrysene-d12	240	10.016	10.016	(1.000)	1495136	40.0000	
* 179	Perylene-d12	264	11.266	11.266	(1.000)	1375173	40.0000	
9	2-Picoline	93	2.206	2.206	(0.618)	106406	10.0000	9.77352
10	N-Nitrosomethylethylamine	88	2.259	2.259	(0.633)	50432	10.0000	10.2522
11	Methyl methanesulfonate	80	2.452	2.452	(0.687)	32814	10.0000	9.24385(a)
12	N-Nitrosodiethylamine	102	2.724	2.724	(0.763)	46594	10.0000	9.39456(a)
13	Ethyl methanesulfonate	79	2.932	2.932	(0.822)	87605	10.0000	9.69978(a)
24	Pentachloroethane	117	3.338	3.338	(0.936)	40134	10.0000	8.85251(a)
39	N-Nitrosopyrrolidine	100	3.894	3.894	(1.091)	52630	10.0000	9.08608(a)
40	N-Nitrosomorpholine	116	3.926	3.926	(1.100)	17250	10.0000	7.94837(a)
42	o-Toluidine	106	3.937	3.937	(1.103)	147470	10.0000	8.91959(a)
46	N-Nitrosopiperidine	114	4.204	4.204	(0.892)	43675	10.0000	8.92552(a)
51	O,O,O-Triethyl phosphorothio	198	4.423	4.423	(0.939)	62349	10.0000	9.38505(a)
55	a,a-Dimethylphenethylamine	58	4.535	4.535	(0.963)	179137	10.0000	9.02340(aQ)
61	2,6-Dichlorophenol	162	4.786	4.786	(1.016)	80508	10.0000	8.39867(a)
63	Hexachloropropene	213	4.813	4.813	(1.022)	103429	10.0000	8.93263(a)
64	N-Nitrosodi-n-butylamine	84	5.085	5.085	(1.079)	72352	10.0000	9.24970(a)
66	p-Phenylenediamine	108	5.123	5.123	(1.087)	115876	10.0000	9.13293(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.304	5.304	(1.126)	81900	10.0000	9.02368(a)
75	1,2,4,5-Tetrachlorobenzene	216	5.555	5.555	(1.179)	115335	10.0000	8.77990(a)
76	Isosafrole (#1)	162	5.593	5.593	(0.875)	12567	1.75000	1.53845(a)
84	Isosafrole (#2)	104	5.812	5.812	(0.909)	49037	8.25000	7.62253(a)
85	Biphenyl	154	5.849	5.849	(0.915)	233588	10.0000	9.00848(a)
87	1-Chloronaphthalene	162	5.892	5.892	(0.921)	191562	10.0000	9.00868(a)
89	1,4-Naphthoquinone	158	6.047	6.047	(0.946)	44258	10.0000	9.32981(a)
90	1,4-Dinitrobenzene	168	6.111	6.111	(0.956)	30769	10.0000	8.74416(a)
92	1,3-Dinitrobenzene	168	6.175	6.175	(0.966)	32982	10.0000	8.40241(a)
100	Pentachlorobenzene	250	6.544	6.544	(1.023)	99324	10.0000	8.75624(a)
103	1-Naphthylamine	143	6.661	6.661	(1.042)	198232	10.0000	8.70054(a)
104	2,3,4,6-Tetrachlorophenol	232	6.693	6.693	(1.047)	59867	10.0000	8.49516(a)
106	2-Naphthylamine	143	6.736	6.736	(1.053)	192609	10.0000	8.96960(a)
108	Thionazin	97	6.848	6.848	(1.071)	55321	10.0000	8.95510(a)
111	5-Nitro-o-toluidine	152	6.912	6.912	(1.081)	58047	10.0000	8.83340(a)
114	Diphenylamine	169	6.998	6.998	(1.094)	192932	10.0000	8.85079(a)
117	Sulfotepp	97	7.110	7.110	(0.920)	45998	10.0000	8.44742(a)
119	Diallate (#1)	86	7.238	7.238	(0.936)	73236	7.20000	6.21489(a)
120	1,3,5-Trinitrobenzene	213	7.238	7.238	(0.936)	20149	10.0000	11.9710
121	Phorate	121	7.249	7.249	(0.938)	38562	10.0000	8.30005(a)
122	Phenacetin	108	7.265	7.265	(0.940)	102224	10.0000	8.01037(a)
123	Diallate (#2)	86	7.313	7.313	(0.946)	14980	2.80000	2.66081(a)
126	Dimethoate	87	7.404	7.404	(0.958)	71979	10.0000	10.4696
130	4-Aminobiphenyl	169	7.559	7.559	(0.978)	251883	10.0000	8.12024(a)
131	Pentachloronitrobenzene	237	7.564	7.564	(0.979)	43887	10.0000	10.4168
132	Pronamide	173	7.585	7.585	(0.981)	104222	10.0000	8.19392(a)
133	Disulfoton	88	7.703	7.703	(0.997)	99411	10.0000	8.07285(a)
134	2-secbutyl-4,6-dinitropheno	211	7.703	7.703	(0.997)	42287	10.0000	10.7840
142	Methyl parathion	109	8.034	8.034	(1.039)	66921	10.0000	9.34053(a)
145	Parathion	109	8.360	8.360	(1.082)	37852	10.0000	6.73576(a)
146	4-Nitroquinoline-1-oxide	190	8.430	8.430	(1.091)	19965	10.0000	12.1440(Q)
147	Methapyrilene	97	8.456	8.456	(1.094)	105794	10.0000	10.4829
148	Isodrin	193	8.638	8.638	(1.117)	46582	10.0000	8.85748(a)
153	Aramite (#1)	185	9.033	9.033	(0.902)	13629	4.60000	4.34316(a)
155	Aramite (#2)	185	9.097	9.097	(0.908)	23916	5.40000	4.17116(a)
156	p-Dimethylaminoazobenzene	120	9.199	9.199	(0.918)	99304	10.0000	8.51811(a)
157	Chlorobenzilate	251	9.226	9.226	(0.921)	99239	10.0000	11.9794
160	3,3'-Dimethylbenzidine	212	9.498	9.498	(0.948)	235046	10.0000	8.67485(a)
161	2-Acetylaminofluorene	181	9.717	9.717	(0.970)	111333	10.0000	6.92766(a)
M 173	Total Isosafrole	162				61604	10.0000	9.16098(a)
M 174	Total Diallate	86				88216	10.0000	8.87570(a)
M 175	Total Aramite	185				37545	10.0000	8.51432(a)
176	7,12-Dimethylbenz(a)anthrac	256	10.924	10.924	(0.970)	162294	10.0000	15.9301
181	3-Methylcholanthrene	268	11.485	11.485	(1.019)	164778	10.0000	15.7372
184	Dibenz(a,j)acridine	279	11.966	11.966	(1.062)	227124	10.0000	11.1303

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: D0516.D

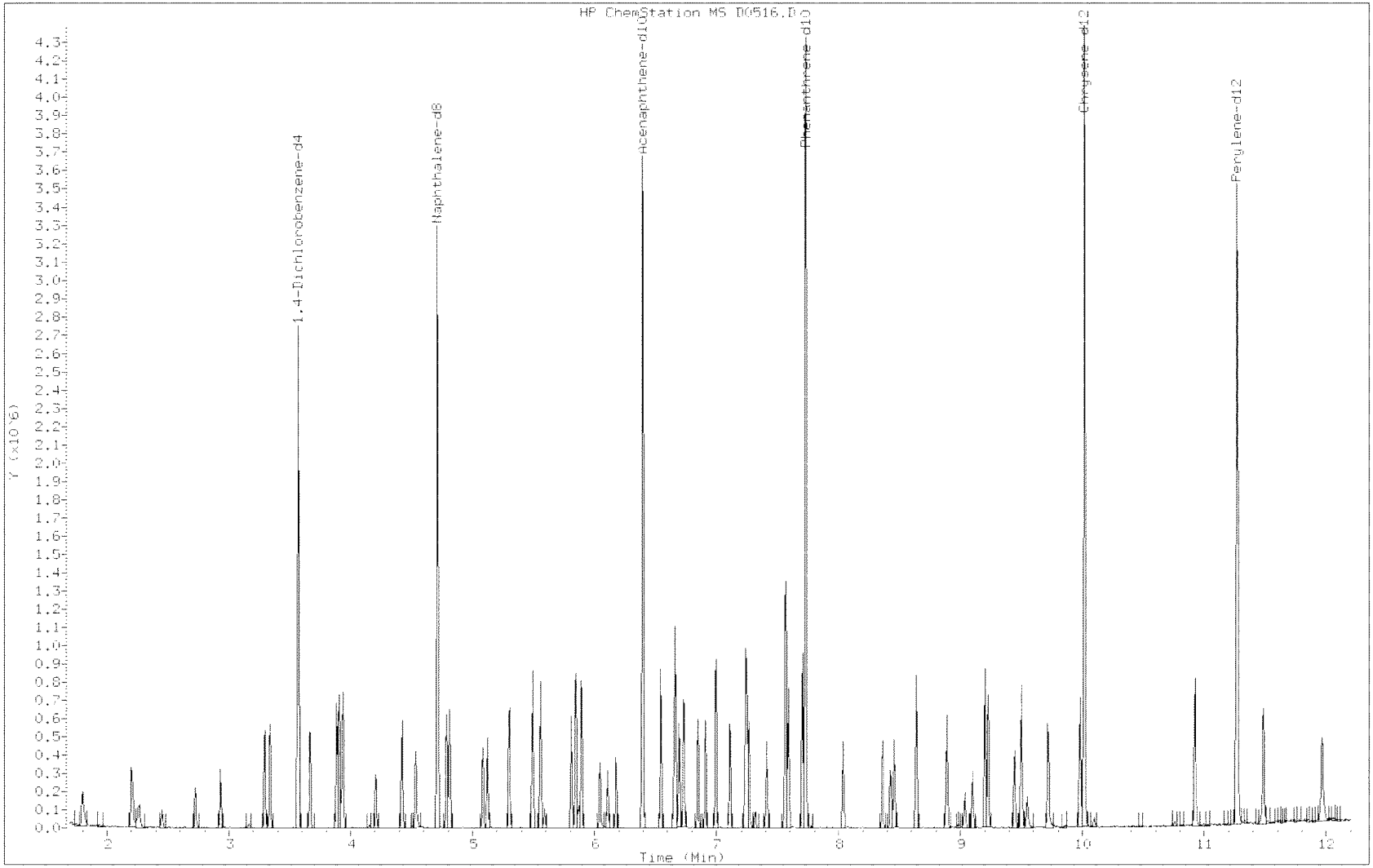
Date: 02-MAY-2012 09:07

Client ID:

Instrument: D.i

Sample Info: IC-1314700,,AP9010

Operator: hoffmanm



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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-118050/9	D0526.D
Level 2	IC 280-118050/8	D0525.D
Level 3	IC 280-118050/7	D0524.D
Level 4	IC 280-118050/6	D0523.D
Level 5	ICIS 280-118050/5	D0522.D
Level 6	IC 280-118050/4	D0521.D
Level 7	IC 280-118050/3	D0520.D
Level 8	IC 280-118050/2	D0519.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6578 0.5885	0.6930 0.5920	0.6321 0.5939	0.5542	0.6062	Ave		0.6147				7.2		15.0			
N-Nitrosodimethylamine	+++++ 0.9792	1.0354 0.9750	1.0012 0.9763	0.9129	1.0003	Ave		0.9829				3.8		15.0			
Pyridine	+++++ 1.6392	1.7767 1.6379	1.6214 1.6423	1.5497	1.6420	Ave		1.6442				4.1		15.0			
Phenol	+++++ 1.8257	1.7634 1.8548	1.6734 1.9007	1.6406	1.7958	Ave		1.7792				5.3		15.0			
Aniline	+++++ 2.3132	2.3676 2.3248	2.2914 2.3599	2.1674	2.2829	Ave		2.3010				2.9		15.0			
Methyl styrene	+++++ 1.5729	1.4899 1.6672	1.4445 1.6888	1.3853	1.5390	Ave		1.5411				7.3		15.0			
Bis(2-chloroethyl)ether	+++++ 1.4787	1.4843 1.5299	1.4008 1.6108	1.3423	1.4669	Ave		1.4734				5.9		15.0			
n-Decane	+++++ 1.1002	1.0999 1.1310	1.0659 1.1713	1.0019	1.1052	Ave		1.0965				4.8		15.0			
2-Chlorophenol	+++++ 1.5492	1.4335 1.6513	1.3279 1.6989	1.3284	1.5008	Ave		1.4986				9.8		15.0			
1,3-Dichlorobenzene	1.8917 1.7084	1.6318 1.7366	1.5829 1.7589	1.5130	1.6709	Ave		1.6868				6.9		15.0			
1,4-Dichlorobenzene	1.8760 1.6956	1.7124 1.7770	1.6368 1.8216	1.5486	1.6989	Ave		1.7209				6.0		15.0			
Benzyl alcohol	+++++ 0.9410	0.9030 0.9757	0.8691 0.9833	0.8477	0.9358	Ave		0.9222				5.6		15.0			
1,2-Dichlorobenzene	1.6362 1.6320	1.6850 1.6990	1.5195 1.7619	1.4738	1.6108	Ave		1.6273				5.8		15.0			
2-Methylphenol	+++++ 1.3205	1.3014 1.3573	1.2085 1.3811	1.1822	1.3156	Ave		1.2952				5.7		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
bis (2-chloroisopropyl) ether	+++++ 1.2721	1.2906 1.2910	1.2709 1.3020	1.1922	1.2885	Ave		1.2725				2.9		15.0			
Indene	+++++ 2.2144	2.0466 2.2995	2.0430 2.3582	1.9240	2.1638	Ave		2.1499				7.2		15.0			
3 & 4 Methyl phenol	+++++ 1.4025	1.2865 1.4495	1.2633 1.4629	1.2505	1.3837	Ave		1.3570				6.6		15.0			
3-Methyl phenol	+++++ 1.4025	1.2865 1.4495	1.2633 1.4629	1.2505	1.3837	Ave		1.3570				6.6		15.0			
4-Methyl phenol	+++++ 1.4025	1.2865 1.4495	1.2633 1.4629	1.2505	1.3837	Ave		1.3570				6.6		15.0			
N-Nitrosodi-n-propylamine	+++++ 1.2414	1.2295 1.3050	1.1802 1.3322	1.1280	1.2427	Ave		1.2370			0.0500	5.6		15.0			
Acetophenone	+++++ 2.0721	2.0443 2.1524	1.9919 2.2214	1.8078	2.0387	Ave		2.0470				6.4		15.0			
Hexachloroethane	0.8492 0.7987	0.7380 0.8065	0.7216 0.8336	0.7090	0.7922	Ave		0.7811				6.7		15.0			
Nitrobenzene	+++++ 0.5261	0.5336 0.5414	0.5085 0.5271	0.4703	0.5211	Ave		0.5183				4.5		15.0			
Isophorone	+++++ 0.8331	0.7822 0.8502	0.7829 0.8244	0.7265	0.8429	Ave		0.8060				5.5		15.0			
2-Nitrophenol	+++++ 0.2124	0.1926 0.2208	0.1887 0.2182	0.1777	0.2145	Ave		0.2035				8.3		15.0			
2,4-Dimethyl phenol	+++++ 0.4332	0.3901 0.4405	0.3798 0.4459	0.3550	0.4256	Ave		0.4100				8.5		15.0			
Benzoic acid	+++++ 0.2027	+++++ 0.2211	0.1704 0.2291	0.1818	0.2112	Ave		0.2027				11.2		15.0			
Bis(2-chloroethoxy)methane	+++++ 0.4753	0.4545 0.4878	0.4436 0.4829	0.3990	0.4683	Ave		0.4588				6.7		15.0			
2,4-Dichlorophenol	+++++ 0.3575	0.3100 0.3716	0.3306 0.3763	0.3074	0.3547	Ave		0.3440				8.2		15.0			
1,2,4-Trichlorobenzene	0.4318 0.4832	0.4282 0.5238	0.4140 0.5241	0.3966	0.4709	Ave		0.4591				10.7		15.0			
Naphthalene	1.1682 1.1146	1.0661 1.1482	1.0208 1.1314	0.9289	1.1000	Ave		1.0848				7.2		15.0			
4-Chloroaniline	+++++ 0.4828	0.4517 0.5049	0.4499 0.4989	0.4104	0.4788	Ave		0.4682				7.1		15.0			
Hexachlorobutadiene	+++++ 0.3103	0.2797 0.3236	0.2796 0.3218	0.2594	0.3085	Ave		0.2975				8.3		15.0			
Caprolactam	+++++ 0.1309	0.1150 0.1350	0.1213 0.1137	0.1193	0.1304	Ave		0.1237				6.8		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	+++++ 0.3374	0.2981 0.3544	0.3098 0.3553	0.2918	0.3395	Ave		0.3266				8.1		15.0			
2-Methylnaphthalene	0.7505 0.7839	0.7072 0.8263	0.7117 0.8214	0.6363	0.7552	Ave		0.7491				8.5		15.0			
1-Methylnaphthalene	0.7053 0.7436	0.6616 0.7798	0.6420 0.7850	0.6103	0.7247	Ave		0.7066				9.1		15.0			
Hexachlorocyclopentadiene	+++++ 0.5403	0.4705 0.5495	0.4443 0.5835	0.4366	0.5345	Ave		0.5085			0.0500	11.3		15.0			
2,4,6-Trichlorophenol	+++++ 0.4660	0.4038 0.4861	0.3929 0.5095	0.3631	0.4499	Ave		0.4387				12.2		15.0			
2,3-Dichlorobenzenamine	+++++ 0.6785	0.6034 0.7124	0.6025 0.7414	0.5554	0.6585	Ave		0.6503				10.2		15.0			
2,4,5-Trichlorophenol	+++++ 0.4573	0.4027 0.4756	0.3985 0.4852	0.3755	0.4467	Ave		0.4345				9.7		15.0			
2-Chloronaphthalene	1.1758 1.1772	1.0911 1.2316	1.0507 1.2603	0.9856	1.1605	Ave		1.1416				8.1		15.0			
2-Nitroaniline	+++++ 0.3856	0.3520 0.4006	0.3455 0.4090	0.3489	0.3866	Ave		0.3755				7.0		15.0			
Dimethylphthalate	1.3800 1.3180	1.2994 1.3630	1.2189 1.3845	1.1102	1.3087	Ave		1.2978				7.2		15.0			
2,6-Dinitrotoluene	+++++ 0.3035	0.2614 0.3138	0.2715 0.3578	0.2501	0.2953	Ave		0.2933				12.5		15.0			
Acenaphthylene	1.6455 1.8291	1.6206 1.9379	1.5806 1.9706	1.4936	1.7898	Ave		1.7335				10.0		15.0			
3-Nitroaniline	+++++ 0.3099	0.2809 0.3170	0.2798 0.3282	0.2692	0.3065	Ave		0.2988				7.4		15.0			
Acenaphthene	1.0614 1.1711	1.0521 1.2323	1.0250 1.2806	0.9382	1.1338	Ave		1.1118				10.2		15.0			
2,4-Dinitrophenol	+++++ 0.2117	+++++ 0.2163	0.1400 0.2262	0.1525	0.2028	Lin1	0.2619	0.2331			0.0500				0.9951		0.9900
4-Nitrophenol	+++++ 0.3146	0.2759 0.3231	0.2835 0.3249	0.2618	0.3077	Ave		0.2988			0.0500	8.3		15.0			
2,4-Dinitrotoluene	+++++ 0.4371	0.3551 0.4916	0.3554 0.5128	0.3398	0.4287	Qua	0.0953	2.4759	-0.226						0.9979		0.9900
Dibenzofuran	1.6822 1.7775	1.5795 1.8955	1.5254 1.8656	1.4367	1.7298	Ave		1.6865				9.7		15.0			
Hexadecane	+++++ 0.5452	0.5377 0.5683	0.5233 0.5778	0.4757	0.5383	Ave		0.5380				6.2		15.0			
Diethylphthalate	1.4707 1.3551	1.2911 1.4120	1.2388 1.4385	1.1580	1.3621	Ave		1.3408				7.9		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	+++++ 0.7797	0.6508 0.8317	0.6436 0.8788	0.5975	0.7650	Ave		0.7353				14.4		15.0			
Fluorene	1.3119 1.4998	1.2717 1.5814	1.2509 1.6612	1.1715	1.4405	Ave		1.3986				12.4		15.0			
4-Nitroaniline	+++++ 0.3012	0.2635 0.3005	0.2671 0.3164	0.2486	0.2914	Ave		0.2841				8.7		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1627	+++++ 0.1731	0.1294 0.1776	0.1245	0.1552	Ave		0.1538				14.5		15.0			
n-Nitrosodiphenylamine(as diphenylamine)	+++++ 0.6899	0.6199 0.7518	0.5978 0.7553	0.5778	0.6780	Ave		0.6672				10.7		15.0			
1,2-Diphenylhydrazine	1.7784 1.7132	1.6740 1.7328	1.6586 1.7389	1.4928	1.7415	Ave		1.6913				5.3		15.0			
Azobenzene	1.7979 1.7320	1.6923 1.7518	1.6768 1.7579	1.5092	1.7606	Ave		1.7098				5.3		15.0			
2,4,6 - Tribromophenol	0.1919 0.2613	0.1916 0.2833	0.1958 0.3097	0.1942	0.2434	Qua	0.1149	4.3839	-0.525						0.9986		0.9900
4-Bromophenyl phenyl ether	+++++ 0.2582	0.2283 0.2820	0.2206 0.2907	0.2133	0.2528	Ave		0.2494				12.1		15.0			
Hexachlorobenzene	+++++ 0.2930	0.2519 0.3224	0.2453 0.3423	0.2346	0.2868	Ave		0.2823				14.4		15.0			
Atrazine	+++++ 0.2300	0.2094 0.2459	0.2064 0.2485	0.2027	0.2383	Ave		0.2259				8.6		15.0			
Pentachlorophenol	+++++ 0.2058	+++++ 0.2337	0.1540 0.2390	0.1606	0.2004	Qua	0.1976	4.9066	-0.777						0.9976		0.9900
Phenanthrene	1.0719 1.1694	1.0367 1.2346	1.0247 1.1447	0.9737	1.1567	Ave		1.1016				8.0		15.0			
Anthracene	1.0949 1.2119	1.0492 1.2609	1.0432 1.1961	1.0061	1.2108	Ave		1.1341				8.5		15.0			
Carbazole	1.0090 1.0886	0.9615 1.1351	0.9342 1.0740	0.8900	1.0570	Ave		1.0187				8.3		15.0			
Alachlor	+++++ 0.1698	0.1327 0.1800	0.1404 0.1856	0.1406	0.1663	Ave		0.1593				13.3		15.0			
Di-n-butyl phthalate	1.0656 1.2782	1.1167 1.3287	1.1305 1.2352	1.0869	1.2946	Ave		1.1921				8.7		15.0			
Fluoranthene	1.1669 1.3799	1.1743 1.4120	1.1667 1.2861	1.1343	1.3623	Ave		1.2603				9.0		15.0			
Benzidine	+++++ 0.6649	+++++ 0.6495	0.6508 0.6445	0.5934	0.6725	Ave		0.6459				4.3		15.0			
Pyrene	1.1656 1.1049	1.1028 1.0486	1.0716 0.9668	0.9734	1.1233	Ave		1.0696				6.6		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Famphur	0.3991 0.4029	0.4116 0.3578	0.4467	0.4101	0.4385	Ave		0.4095				7.1		15.0			
Butyl benzyl phthalate	0.4208 0.4620	0.4395 0.4665	0.4421 0.4693	0.4084	0.4678	Ave		0.4470				5.2		15.0			
Bis(2-ethylhexyl) phthalate	0.4707 0.6167	0.5252 0.6202	0.5675 0.6212	0.5408	0.6211	Ave		0.5729				9.9		15.0			
3,3'-Dichlorobenzidine	+++++ 0.4212	0.3633 0.4299	0.3836 0.4443	0.3591	0.4166	Ave		0.4026				8.4		15.0			
Benzo[a]anthracene	1.1884 1.1332	1.0655 1.1388	1.0779 1.0661	0.9772	1.1194	Ave		1.0958				5.8		15.0			
Chrysene	1.0061 1.0116	0.9722 0.9834	0.9381 0.9283	0.8673	1.0337	Ave		0.9676				5.6		15.0			
Di-n-octyl phthalate	0.7236 0.9976	0.8238 0.9893	0.8794 0.9828	0.8610	1.0107	Ave		0.9085				11.4		15.0			
Benzo[b]fluoranthene	1.0471 1.2835	1.1588 1.4533	1.1155 1.4987	1.0997	1.2411	Ave		1.2372				13.4		15.0			
Benzo[k]fluoranthene	1.2857 1.5831	1.1778 1.5037	1.0949 1.4279	1.0753	1.4178	Ave		1.3208				14.5		15.0			
Benzo[a]pyrene	1.0116 1.2687	0.9954 1.3297	0.9709 1.3099	0.9760	1.2037	Ave		1.1332				14.1		15.0			
Dibenz(a,h)anthracene	0.9039 1.3734	0.9419 1.4731	0.9091 1.4928	0.9455	1.2170	Qua	0.1276	0.8019	-0.021						0.9965		0.9900
Indeno[1,2,3-cd]pyrene	1.0092 1.2920	0.9587 1.3373	1.0483 1.3999	1.0090	1.2245	Ave		1.1599				14.9		15.0			
Benzo[g,h,i]perylene	0.9802 1.1505	0.9490 1.1885	0.9218 1.2248	0.9030	1.0795	Ave		1.0497				12.1		15.0			
2-Fluorophenol	+++++ 1.3830	1.3678 1.4029	1.3559 1.4321	1.2452	1.3842	Ave		1.3673				4.3		15.0			
Phenol-d5	+++++ 1.7910	1.6988 1.8371	1.7029 1.8646	1.6139	1.7566	Ave		1.7521				5.0		15.0			
Nitrobenzene-d5	+++++ 0.5342	0.5209 0.5431	0.5039 0.5391	0.4675	0.5356	Ave		0.5206				5.2		15.0			
2-Fluorobiphenyl	+++++ 1.3704	1.2328 1.4000	1.2043 1.4615	1.1161	1.3421	Ave		1.3039				9.4		15.0			
2,4,6-Tribromophenol	0.1919 0.2613	0.1916 0.2833	0.1958 0.3097	0.1942	0.2434	Qua	0.1149	4.3839	-0.525						0.9986		0.9900
Terphenyl-d14	+++++ 0.7806	0.7040 0.7965	0.6911 0.7901	0.6546	0.7590	Ave		0.7394				7.5		15.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-118050/9	D0526.D
Level 2	IC 280-118050/8	D0525.D
Level 3	IC 280-118050/7	D0524.D
Level 4	IC 280-118050/6	D0523.D
Level 5	ICIS 280-118050/5	D0522.D
Level 6	IC 280-118050/4	D0521.D
Level 7	IC 280-118050/3	D0520.D
Level 8	IC 280-118050/2	D0519.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	19218 566502	50898 762380	92765 903902	208751	378205	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	+++++ 942592	76045 1255572	146938 1485928	343871	624032	+++++ 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	+++++ 1577897	130487 2109161	237976 2499626	583709	1024354	+++++ 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	+++++ 1757427	129512 2388517	245597 2892813	617942	1120301	+++++ 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	+++++ 2226614	173891 2993658	336304 3591834	816380	1424228	+++++ 120	10.0 160	20.0 200	50.0	80.0
Methyl styrene	DCB	Ave	+++++ 1514061	109427 2146871	212012 2570350	521802	960138	+++++ 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	+++++ 1423387	109012 1970140	205585 2451582	505586	915113	+++++ 120	10.0 160	20.0 200	50.0	80.0
n-Decane	DCB	Ave	+++++ 1059010	80780 1456465	156434 1782679	377377	689518	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	+++++ 1491239	105284 2126490	194886 2585750	500360	936263	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	55271 1644456	119849 2236265	232316 2677094	569879	1042378	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	54813 1632118	125769 2288346	240233 2772450	583309	1059863	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	+++++ 905772	66317 1256472	127562 1496663	319296	583807	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	47805 1570899	123756 2187794	223009 2681647	555131	1004928	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	+++++ 1271050	95584 1747818	177365 2102000	445310	820762	+++++ 120	10.0 160	20.0 200	50.0	80.0
bis (2-chloroisopropyl) ether	DCB	Ave	+++++ 1224534	94791 1662448	186520 1981637	449044	803870	+++++ 120	10.0 160	20.0 200	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Indene	DCB	Ave	+++++ 2131555	150312 2961089	299845 3589154	724696	1349914	+++++ 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methyl phenol	DCB	Ave	+++++ 1350016	94489 1866575	185407 2226609	471009	863218	+++++ 120	10.0 160	20.0 200	50.0	80.0
3-Methyl phenol	DCB	Ave	+++++ 1350016	94489 1866575	185407 2226609	471009	863218	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Methyl phenol	DCB	Ave	+++++ 1350016	94489 1866575	185407 2226609	471009	863218	+++++ 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	+++++ 1194941	90297 1680539	173212 2027662	424866	775290	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	+++++ 1994594	150143 2771775	292348 3380965	680950	1271866	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	24810 768777	54205 1038588	105911 1268811	267061	494207	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	+++++ 1802780	145991 2462337	272598 2919326	668050	1160106	+++++ 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	+++++ 2854707	214016 3866553	419666 4566263	1032053	1876621	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	+++++ 727683	52684 1004097	101140 1208402	252370	477631	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	+++++ 1484224	106738 2003263	203591 2469783	504287	947500	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Ave	+++++ 694533	+++++ 1005444	91353 1268764	258213	470227	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 1628532	124346 2218625	237762 2674699	566874	1042744	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	+++++ 1224942	84829 1690138	177206 2084191	436617	789664	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	47806 1655809	117154 2381964	221916 2902782	563422	1048454	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	129328 3819187	291703 5221736	547189 6266593	1319499	2449128	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	+++++ 1654294	123583 2296353	241146 2763302	582944	1065992	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	+++++ 1063100	76527 1471734	149856 1782567	368475	686840	+++++ 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	+++++ 448600	31467 613790	65022 629967	169528	290310	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	+++++ 1156176	81567 1611823	166041 1968120	414495	755959	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Ave	83085 2686101	193502 3758016	381486 4549207	903889	1681384	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Methylnaphthalene	NPT	Ave	78084 2547996	181032 3546576	344121 4348069	867029	1613484	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	+++++ 1260922	85992 1713863	163181 2152523	422483	807364	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	+++++ 1087391	73790 1516192	144302 1879531	351357	679562	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,3-Dichlorobenzenamine	ANT	Ave	+++++ 1583259	110281 2222025	221276 2735015	537481	994656	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	+++++ 1067042	73596 1483329	146351 1790137	363355	674725	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	87497 2747133	199402 3841317	385882 4649662	953723	1752972	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	+++++ 899787	64323 1249400	126904 1508775	337650	583992	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	102698 3075697	237480 4251345	447639 5107593	1074372	1976789	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	+++++ 708168	47769 978803	99698 1187853	242008	446007	+++++ 120	10.0 160	20.0 180	50.0	80.0
Acenaphthylene	ANT	Ave	122456 4268248	296183 6044245	580498 7270069	1445352	2703502	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	+++++ 723287	51337 988664	102757 1210701	260471	462956	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	78987 2732770	192274 3843725	376435 4724393	907901	1712679	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin1	+++++ 494052	+++++ 674761	51427 834599	147536	306290	+++++ 120	+++++ 160	20.0 200	50.0	80.0
4-Nitrophenol	ANT	Ave	+++++ 734149	50432 1007881	104099 1198503	253326	464777	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrotoluene	ANT	Qua	+++++ 1019999	64895 1533234	130512 1891729	328852	647595	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	125182 4147917	288666 5912110	560204 6882413	1390267	2612952	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexadecane	ANT	Ave	+++++ 1272340	98266 1772536	192175 2131666	460320	813087	+++++ 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	109448 3162236	235953 4403939	454957 5306836	1120643	2057530	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 1819521	118934 2593962	236360 3242131	578205	1155610	+++++ 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	97626 3499918	232420 4932528	459412 6128602	1133660	2175952	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	+++++ 702966	48149 937381	98083 1167087	240596	440163	+++++ 120	10.0 160	20.0 200	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4,6-Dinitro-2-methyl phenol	PHN	Ave	+++++ 665603	+++++ 931650	83712 1153250	208341	408278	+++++ 120	+++++ 160	20.0 200	50.0	80.0
n-Nitrosodi phenyl amine(as di phenyl amine)	PHN	Ave	+++++ 2822729	200976 4045399	386781 4903281	966682	1783367	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Diphenyl-hydrazine	ANT	Ave	133798 4041809	309290 5464082	615828 6485376	1460438	2659449	4.04 121	10.1 162	20.2 202	50.5	80.9
Azobenzene	ANT	Ave	133798 4041809	309290 5464082	615828 6485376	1460438	2659449	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6 - Tribromophenol	ANT	Qua	21417 914709	52538 1325337	107856 1713996	281833	551568	6.00 180	15.0 240	30.0 300	75.0	120
4-Bromophenyl phenyl ether	PHN	Ave	+++++ 1056303	74004 1517241	142742 1887232	356897	665038	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	+++++ 1198769	81658 1734685	158694 2222164	392506	754358	+++++ 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	+++++ 941204	67872 1323109	133556 1613246	339075	626760	+++++ 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Qua	+++++ 842175	+++++ 1257533	99639 1551791	268717	527088	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Phenanthrene	PHN	Ave	141977 4784634	336110 6643304	663048 7430921	1629214	3042335	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	145029 4958634	340160 6785043	675006 7765034	1683305	3184671	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	133646 4454099	311733 6107729	604466 6972405	1489104	2780205	4.00 120	10.0 160	20.0 200	50.0	80.0
Alachlor	PHN	Ave	+++++ 694812	43006 968583	90858 1204653	235287	437283	+++++ 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	141148 5230092	362041 7149457	731490 8018539	1818514	3405190	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	154566 5646287	380699 7597656	754905 8348845	1897899	3583155	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	+++++ 3555177	+++++ 4835738	491364 5823217	1224443	2256852	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	176945 5908285	420702 7806882	808979 8734673	2008762	3769526	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Ave	60580 2154264	157017 2663747	337230	846333	1471451	4.00 120	10.0 160	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	63881 2470323	167659 3473221	333766 4240493	842743	1569712	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	71461 3297593	200363 4617008	428420 5612826	1115960	2084197	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 2252116	138608 3200602	289584 4014389	741060	1397890	+++++ 120	10.0 160	20.0 200	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118050

SDG No.:

Instrument ID: MSS_D | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2012 10:04 | Calibration End Date: 05/02/2012 12:15 | Calibration ID: 9253

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[a]anthracene	CRY	Ave	180412 6059615	406479 8478516	813771 9631985	2016618	3756416	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	152729 5409247	370879 7320982	708238 8387361	1789747	3468789	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Ave	109847 5334239	314283 7365043	663944 8879448	1776852	3391728	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	141192 5539139	389268 8451783	770592 10629506	1994600	3519498	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	173365 6832026	395652 8744895	756352 10127896	1950401	4020794	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	136396 5475276	334383 7733170	670722 9290471	1770325	3413479	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Qua	121880 5927215	316419 8567479	627966 10587777	1714944	3451340	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	153205 6908241	365736 9956394	791453 12647945	2082162	4109042	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	132165 4965063	318775 6912091	636764 8687230	1637948	3061305	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol	DCB	Ave	+++++ 1996939	150682 2709935	298514 3269470	703559	1295354	+++++ 180	15.0 240	30.0 300	75.0	120
Phenol-d5	DCB	Ave	+++++ 2585912	187154 3548451	374885 4256972	911847	1643827	+++++ 180	15.0 240	30.0 300	75.0	120
Nitrobenzene-d5	NPT	Ave	+++++ 1830499	142526 2470057	270124 2985703	664108	1192546	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	+++++ 3197974	225301 4366511	442276 5391946	1080081	2027252	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol	ANT	Qua	21417 914709	52538 1325337	107856 1713996	281833	551568	6.00 180	15.0 240	30.0 300	75.0	120
Terphenyl-d14	CRY	Ave	+++++ 4173858	268562 5929648	521745 7138126	1350927	2546958	+++++ 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0519.D
Lab Smp Id: IC-1394496
Inj Date : 02-MAY-2012 10:04
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394496,,HSL200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 10:04 Cal File: D0519.D
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.565	3.565	(1.000)	304401	40.0000	
* 58 Naphthalene-d8	136	4.714	4.714	(1.000)	1107738	40.0000	
* 96 Acenaphthene-d10	164	6.397	6.397	(1.000)	737840	40.0000	
* 135 Phenanthrene-d10	188	7.732	7.732	(1.000)	1298350	40.0000	
* 166 Chrysene-d12	240	10.013	10.013	(1.000)	1806981	40.0000	
* 179 Perylene-d12	264	11.237	11.237	(1.000)	1418524	40.0000	
$ 22 2-Chlorophenol-d4	132	3.378	3.378	(0.948)	3970334	300.000	346.306(A)
$ 29 1,2-Dichlorobenzene-d4	152	3.704	3.704	(1.039)	1733152	200.000	215.864
$ 8 2-Fluorophenol	112	2.550	2.550	(0.715)	3269470	300.000	314.210
$ 15 Phenol-d5	99	3.234	3.234	(0.907)	4256972	300.000	319.265
$ 43 Nitrobenzene-d5	82	4.057	4.057	(0.861)	2985703	200.000	207.083(A)
$ 81 2-Fluorobiphenyl	172	5.750	5.750	(0.899)	5391946	200.000	224.184(A)
$ 118 2,4,6-Tribromophenol	330	7.123	7.123	(1.114)	1713996	300.000	298.587
$ 154 Terphenyl-d14	244	9.084	9.084	(0.907)	7138126	200.000	213.703(A)
4 1,4-Dioxane	88	1.616	1.616	(0.453)	903902	200.000	193.224
5 N-Nitrosodimethylamine	74	1.770	1.770	(0.497)	1485928	200.000	198.655
6 Pyridine	79	1.797	1.797	(0.504)	2499626	200.000	199.775
16 Phenol	94	3.245	3.245	(0.910)	2892813	200.000	213.654(A)
18 Aniline	93	3.304	3.304	(0.927)	3591834	200.000	205.120(A)
19 Methyl Styrene	118	3.325	3.325	(0.933)	2570350	200.000	219.167(A)
20 Bis(2-chloroethyl) ether	93	3.330	3.330	(0.934)	2451582	200.000	218.650(A)
21 Decane	43	3.384	3.384	(0.949)	1782679	200.000	213.642(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.389	3.389	(0.951)	2585750	200.000	226.737(A)
25	1,3-Dichlorobenzene	146	3.523	3.523	(0.988)	2677094	200.000	208.556(A)
27	1,4-Dichlorobenzene	146	3.581	3.581	(1.004)	2772450	200.000	211.704(A)
28	Benzyl alcohol	108	3.672	3.672	(1.030)	1496663	200.000	213.254(A)
30	1,2-Dichlorobenzene	146	3.715	3.715	(1.042)	2681647	200.000	216.549(A)
32	2-Methylphenol	108	3.752	3.752	(1.052)	2102000	200.000	213.255(A)
34	2,2'-oxybis(1-chloropropane)	45	3.779	3.779	(1.060)	1981637	200.000	204.639(A)
35	1H-Indene	116	3.790	3.790	(1.063)	3589154	200.000	219.373(A)
138	3-Methylphenol	108	3.891	3.891	(1.091)	2226609	200.000	215.617(A)
36	4-Methylphenol	108	3.891	3.891	(1.091)	2226609	200.000	215.617(A)
139	3 & 4-Methylphenol	108	3.891	3.891	(1.091)	2226609	200.000	215.617(A)
37	N-nitrosodi-n-propylamine	70	3.907	3.907	(1.096)	2027662	200.000	215.397(A)
38	Acetophenone	105	3.913	3.913	(1.097)	3380965	200.000	217.042(A)
41	Hexachloroethane	117	4.009	4.009	(1.124)	1268811	200.000	213.453(A)
44	Nitrobenzene	77	4.073	4.073	(0.864)	2919326	200.000	203.388(A)
47	Isophorone	82	4.276	4.276	(0.907)	4566263	200.000	204.564(A)
50	2,4-Dimethylphenol	107	4.377	4.377	(0.929)	2469783	200.000	217.516(A)
49	2-Nitrophenol	139	4.361	4.361	(0.925)	1208402	200.000	214.385(A)
53	Benzoic acid	122	4.484	4.484	(0.951)	1268764	200.000	226.014(AM)
52	Bis(2-chloroethoxy)methane	93	4.468	4.468	(0.948)	2674699	200.000	210.521(A)
54	2,4-Dichlorophenol	162	4.575	4.575	(0.971)	2084191	200.000	218.770(A)
56	n-Dodecane	43	4.661	4.661	(0.989)	1809908	200.000	213.306(A)
57	1,2,4-Trichlorobenzene	180	4.655	4.655	(0.988)	2902782	200.000	228.325(A)
59	Naphthalene	128	4.735	4.735	(1.005)	6266593	200.000	208.601(A)
60	4-Chloroaniline	127	4.789	4.789	(1.016)	2763302	200.000	213.122(A)
62	Hexachlorobutadiene	225	4.837	4.837	(1.026)	1782567	200.000	216.326(A)
67	Caprolactam	55	5.141	5.141	(1.091)	629967	200.000	183.946
68	4-Chloro-3-methylphenol	107	5.243	5.243	(1.112)	1968120	200.000	217.584(A)
71	2-Methylnaphthalene	142	5.398	5.398	(1.145)	4549207	200.000	219.303(A)
72	1-Methylnaphthalene	142	5.494	5.494	(1.165)	4348069	200.000	222.215(A)
74	Hexachlorocyclopentadiene	237	5.542	5.542	(0.866)	2152523	200.000	229.504(A)
78	2,4,6-Trichlorophenol	196	5.676	5.676	(0.887)	1879531	200.000	232.240(A)
79	2,3-Dichlorobenzeneamine	161	5.681	5.681	(0.888)	2735015	200.000	228.006(A)
80	2,4,5-Trichlorophenol	196	5.708	5.708	(0.892)	1790137	200.000	223.360(A)
83	Tetradecane	43	5.804	5.804	(0.907)	1733926	200.000	205.482(A)
86	2-Chloronaphthalene	162	5.879	5.879	(0.919)	4649662	200.000	220.804(A)
88	2-Nitroaniline	65	5.985	5.985	(0.936)	1508775	200.000	217.855(A)
91	Dimethyl phthalate	163	6.146	6.146	(0.961)	5107593	200.000	213.349(A)
93	2,6-Dinitrotoluene	165	6.210	6.210	(0.971)	1187853	180.000	219.543(A)
94	Acenaphthylene	152	6.274	6.274	(0.981)	7270069	200.000	227.364(A)
95	3-Nitroaniline	138	6.375	6.375	(0.997)	1210701	200.000	219.677(A)
97	Acenaphthene	153	6.434	6.434	(1.006)	4724393	200.000	230.362(A)
98	2,4-Dinitrophenol	184	6.466	6.466	(1.011)	834599	200.000	204.544(A)
99	4-Nitrophenol	109	6.520	6.520	(1.019)	1198503	200.000	217.461(A)
101	2,4-Dinitrotoluene	165	6.584	6.584	(1.029)	1891729	200.000	198.295
102	Dibenzofuran	168	6.589	6.589	(1.030)	6882413	200.000	221.233(A)
105	Hexadecane	57	6.765	6.765	(1.058)	2131666	200.000	214.785(A)
107	Diethyl phthalate	149	6.781	6.781	(1.060)	5306836	200.000	214.572(A)
109	4-Chlorophenyl phenyl ether	204	6.894	6.894	(1.078)	3242131	200.000	239.037(A)
110	Fluorene	166	6.899	6.899	(1.078)	6128602	200.000	237.551(A)
112	4-Nitroaniline	138	6.942	6.942	(1.085)	1167087	200.000	222.707(A)
113	4,6-Dinitro-2-methylphenol	198	6.952	6.952	(0.899)	1153250	200.000	231.068(A)
115	N-nitrosodiphenylamine	169	7.006	7.006	(0.906)	4903281	200.000	226.410(A)
116	Azobenzene	77	7.032	7.032	(1.099)	6485376	200.000	205.626(A)

EPAPAV0011908

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.032	7.032	(1.099)	6485376	202.195	207.882(A)
242	2,4,6 - Tribromophenol	330	7.123	7.123	(1.114)	1713996	300.000	298.587(A)
124	4-Bromophenyl phenyl ether	248	7.326	7.326	(0.947)	1887232	200.000	233.121(A)
125	Hexachlorobenzene	284	7.390	7.390	(0.956)	2222164	200.000	242.502(A)
127	Atrazine	200	7.465	7.465	(0.965)	1613246	200.000	220.039(A)
128	n-Octadecane	85	7.572	7.572	(0.979)	1429798	200.000	230.154(A)
129	Pentachlorophenol	266	7.561	7.561	(0.978)	1551791	200.000	198.080
136	Phenanthrene	178	7.754	7.754	(1.003)	7430921	200.000	207.829(A)
137	Anthracene	178	7.796	7.796	(1.008)	7765034	200.000	210.931(A)
140	Carbazole	167	7.941	7.941	(1.027)	6972405	200.000	210.869(A)
141	Alachlor	188	8.026	8.026	(1.038)	1204653	200.000	232.930(A)
143	Di-n-butyl phthalate	149	8.197	8.197	(1.060)	8018539	200.000	207.237(A)
144	n-Eicosane	43	8.283	8.283	(1.071)	1949322	200.000	219.011(A)
149	Fluoranthene	202	8.774	8.774	(1.135)	8348845	200.000	204.088(A)
150	n-docosane	43	8.924	8.924	(1.154)	1907832	200.000	218.998(A)
151	Benzidine	184	8.892	8.892	(0.888)	5823217	200.000	199.560
152	Pyrene	202	8.977	8.977	(0.897)	8734673	200.000	180.769
158	Famphur	218	9.447	9.447	(0.943)	3078849	200.000	166.427
159	Butyl benzyl phthalate	149	9.479	9.479	(0.947)	4240493	200.000	209.975(A)
162	Bis(2-ethylhexyl) phthalate	149	9.939	9.939	(0.993)	5612826	200.000	216.867(A)
164	3 3'-Dichlorobenzidine	252	9.976	9.976	(0.996)	4014389	200.000	220.742(A)
165	Benzo(a)anthracene	228	10.003	10.003	(0.999)	9631985	200.000	194.572
167	Chrysene	228	10.035	10.035	(1.002)	8387361	200.000	191.887
168	Di-n-octyl phthalate	149	10.489	10.489	(1.047)	8879448	200.000	216.347(A)
171	Benzo(b)fluoranthene	252	10.922	10.922	(0.972)	10629506	200.000	242.267(AH)
172	Benzo(k)fluoranthene	252	10.943	10.943	(0.974)	10127896	200.000	216.227(A)
178	Benzo(a)pyrene	252	11.194	11.194	(0.996)	9290471	200.000	231.174(A)
185	Dibenz(a,h)anthracene	278	12.113	12.113	(1.078)	10587777	200.000	196.832
186	Indeno(1,2,3-cd)pyrene	276	12.118	12.118	(1.210)	12647945	200.000	241.391(A)
188	Benzo(g,h,i)perylene	276	12.375	12.375	(1.101)	8687230	200.000	233.376(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: D0519.D

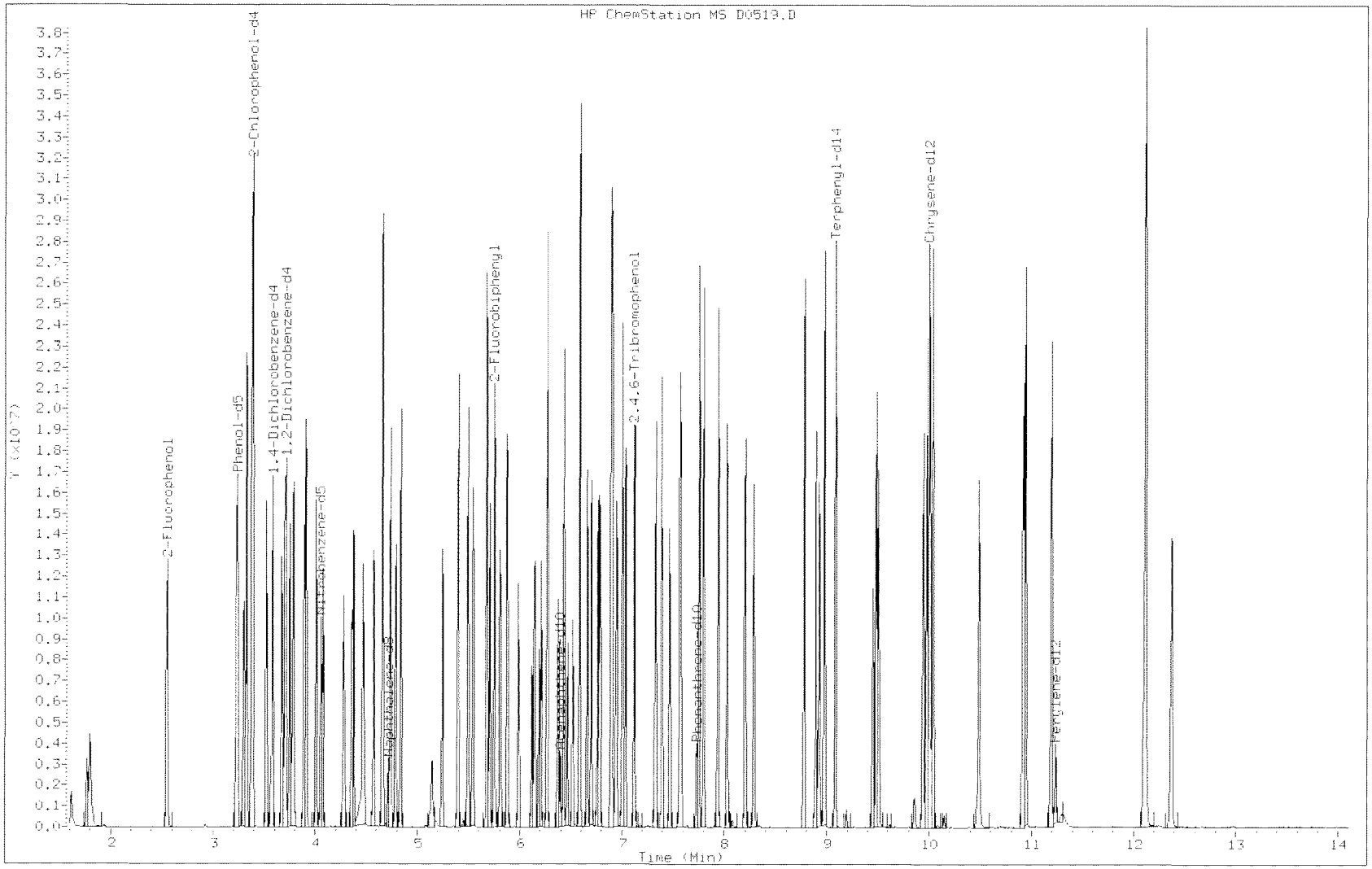
Date: 02-MAY-2012 10:04

Client ID:

Instrument: D.i

Sample Info: IC-1394496,,HSL200

Operator: hoffmanm



Manual Integration Report

Data File: D0519.D
Inj. Date and Time: 02-MAY-2012 10:04
Instrument ID: D.i
Client ID:
Compound: 53 Benzoic acid
CAS #: 65-85-0
Report Date: 05/03/2012

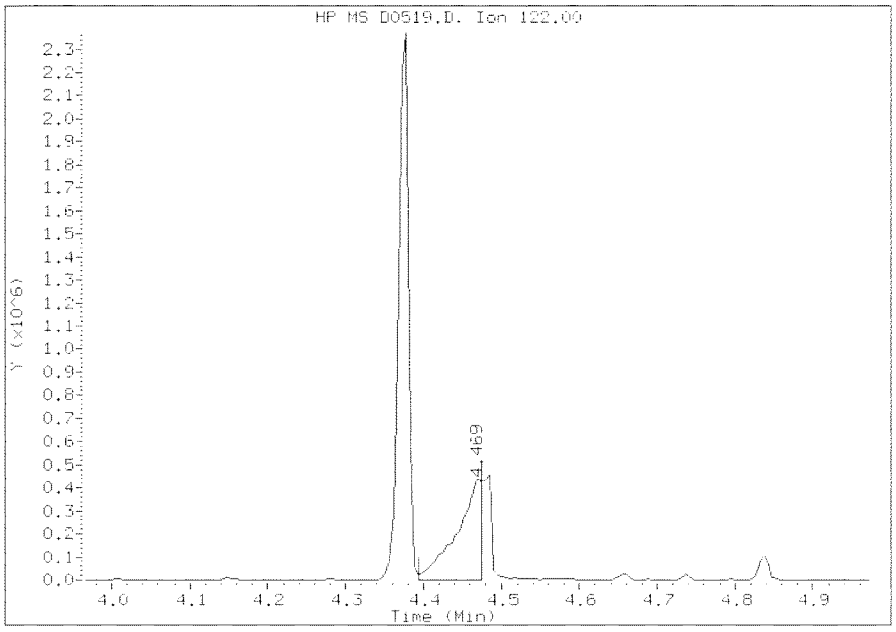
Processing Integration Results

RT: 4.47

Response: 963212

Amount: 0

Conc: 0



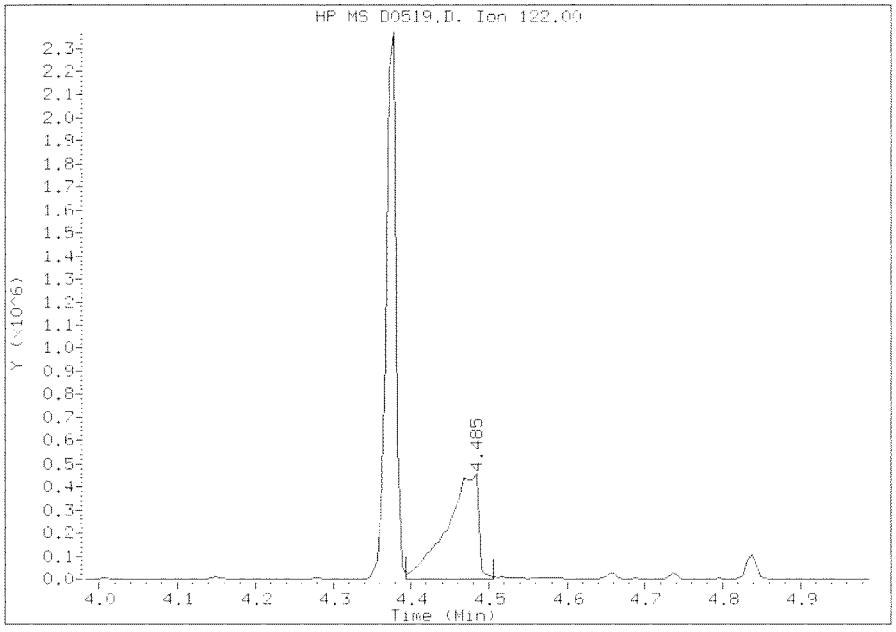
Manual Integration Results

RT: 4.48

Response: 1268764

Amount: 226

Conc: 226



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 12:58
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0520.D
Lab Smp Id: IC-1394511
Inj Date : 02-MAY-2012 10:23
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394511,,HSL160
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 10:04 Cal File: D0519.D
Als bottle: 12 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.567	3.567	(1.000)	321933	40.0000	
* 58	Naphthalene-d8	136	4.715	4.715	(1.000)	1136973	40.0000	
* 96	Acenaphthene-d10	164	6.398	6.398	(1.000)	779760	40.0000	
* 135	Phenanthrene-d10	188	7.728	7.728	(1.000)	1345227	40.0000	
* 166	Chrysene-d12	240	10.020	10.020	(1.000)	1861229	40.0000	
* 179	Perylene-d12	264	11.265	11.265	(1.000)	1453940	40.0000	
$ 22	2-Chlorophenol-d4	132	3.380	3.380	(0.948)	3195345	240.000	263.531
$ 29	1,2-Dichlorobenzene-d4	152	3.700	3.700	(1.037)	1436584	160.000	169.182
$ 8	2-Fluorophenol	112	2.552	2.552	(0.715)	2709935	240.000	246.253
$ 15	Phenol-d5	99	3.230	3.230	(0.906)	3548451	240.000	251.634
$ 43	Nitrobenzene-d5	82	4.053	4.053	(0.860)	2470057	160.000	166.914
$ 81	2-Fluorobiphenyl	172	5.752	5.752	(0.899)	4366511	160.000	171.789
$ 118	2,4,6-Tribromophenol	330	7.119	7.119	(1.113)	1325337	240.000	241.956
$ 154	Terphenyl-d14	244	9.085	9.085	(0.907)	5929648	160.000	172.349
4	1,4-Dioxane	88	1.617	1.617	(0.453)	762380	160.000	154.096
5	N-Nitrosodimethylamine	74	1.766	1.766	(0.495)	1255572	160.000	158.717
6	Pyridine	79	1.798	1.798	(0.504)	2109161	160.000	159.388
16	Phenol	94	3.241	3.241	(0.909)	2388517	160.000	166.802
18	Aniline	93	3.299	3.299	(0.925)	2993658	160.000	161.649
19	Methyl Styrene	118	3.326	3.326	(0.933)	2146871	160.000	173.089
20	Bis(2-chloroethyl) ether	93	3.332	3.332	(0.934)	1970140	160.000	166.142
21	Decane	43	3.385	3.385	(0.949)	1456465	160.000	165.042

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.390	3.390	(0.951)	2126490	160.000	176.312
25	1,3-Dichlorobenzene	146	3.524	3.524	(0.988)	2236265	160.000	164.726
27	1,4-Dichlorobenzene	146	3.583	3.583	(1.004)	2288346	160.000	165.222
28	Benzyl alcohol	108	3.673	3.673	(1.030)	1256472	160.000	169.280
30	1,2-Dichlorobenzene	146	3.716	3.716	(1.042)	2187794	160.000	167.048
32	2-Methylphenol	108	3.754	3.754	(1.052)	1747818	160.000	167.666
34	2,2'-oxybis(1-chloropropane)	45	3.775	3.775	(1.058)	1662448	160.000	162.328
35	1H-Indene	116	3.791	3.791	(1.063)	2961089	160.000	171.129
138	3-Methylphenol	108	3.892	3.892	(1.091)	1866575	160.000	170.909
36	4-Methylphenol	108	3.892	3.892	(1.091)	1866575	160.000	170.909
139	3 & 4-Methylphenol	108	3.892	3.892	(1.091)	1866575	160.000	170.909
37	N-nitrosodi-n-propylamine	70	3.903	3.903	(1.094)	1680539	160.000	168.800
38	Acetophenone	105	3.908	3.908	(1.096)	2771775	160.000	168.245
41	Hexachloroethane	117	4.010	4.010	(1.124)	1038588	160.000	165.207
44	Nitrobenzene	77	4.074	4.074	(0.864)	2462337	160.000	167.139
47	Isophorone	82	4.277	4.277	(0.907)	3866553	160.000	168.764
50	2,4-Dimethylphenol	107	4.373	4.373	(0.927)	2003263	160.000	171.893
49	2-Nitrophenol	139	4.357	4.357	(0.924)	1004097	160.000	173.559
53	Benzoic acid	122	4.475	4.475	(0.949)	1005444	160.000	174.502
52	Bis(2-chloroethoxy)methane	93	4.469	4.469	(0.948)	2218625	160.000	170.134
54	2,4-Dichlorophenol	162	4.571	4.571	(0.969)	1690138	160.000	172.846
56	n-Dodecane	43	4.662	4.662	(0.989)	1503007	160.000	172.582
57	1,2,4-Trichlorobenzene	180	4.656	4.656	(0.988)	2381964	160.000	182.541
59	Naphthalene	128	4.737	4.737	(1.005)	5221736	160.000	169.350
60	4-Chloroaniline	127	4.785	4.785	(1.015)	2296353	160.000	172.554
62	Hexachlorobutadiene	225	4.838	4.838	(1.026)	1471734	160.000	174.012
67	Caprolactam	55	5.137	5.137	(1.089)	613790	160.000	174.614
68	4-Chloro-3-methylphenol	107	5.244	5.244	(1.112)	1611823	160.000	173.612
71	2-Methylnaphthalene	142	5.399	5.399	(1.145)	3758016	160.000	176.504
72	1-Methylnaphthalene	142	5.495	5.495	(1.165)	3546576	160.000	176.593
74	Hexachlorocyclopentadiene	237	5.543	5.543	(0.866)	1713863	160.000	172.910
78	2,4,6-Trichlorophenol	196	5.677	5.677	(0.887)	1516192	160.000	177.273
79	2,3-Dichlorobenzeneamine	161	5.682	5.682	(0.888)	2222025	160.000	175.282
80	2,4,5-Trichlorophenol	196	5.709	5.709	(0.892)	1483329	160.000	175.129
83	Tetradecane	43	5.805	5.805	(0.907)	1466682	160.000	164.468
86	2-Chloronaphthalene	162	5.874	5.874	(0.918)	3841317	160.000	172.611
88	2-Nitroaniline	65	5.987	5.987	(0.936)	1249400	160.000	170.705
91	Dimethyl phthalate	163	6.141	6.141	(0.960)	4251345	160.000	168.036
93	2,6-Dinitrotoluene	165	6.211	6.211	(0.971)	978803	160.000	171.180
94	Acenaphthylene	152	6.270	6.270	(0.980)	6044245	160.000	178.865
95	3-Nitroaniline	138	6.377	6.377	(0.997)	988664	160.000	169.746
97	Acenaphthene	153	6.430	6.430	(1.005)	3843725	160.000	177.345
98	2,4-Dinitrophenol	184	6.467	6.467	(1.011)	674761	160.000	158.942
99	4-Nitrophenol	109	6.515	6.515	(1.018)	1007881	160.000	173.042
101	2,4-Dinitrotoluene	165	6.585	6.585	(1.029)	1533234	160.000	163.589
102	Dibenzofuran	168	6.590	6.590	(1.030)	5912110	160.000	179.826
105	Hexadecane	57	6.761	6.761	(1.057)	1772536	160.000	168.998
107	Diethyl phthalate	149	6.783	6.783	(1.060)	4403939	160.000	168.492
109	4-Chlorophenyl phenyl ether	204	6.889	6.889	(1.077)	2593962	160.000	180.967
110	Fluorene	166	6.900	6.900	(1.078)	4932528	160.000	180.911
112	4-Nitroaniline	138	6.937	6.937	(1.084)	937381	160.000	169.258
113	4,6-Dinitro-2-methylphenol	198	6.948	6.948	(0.899)	931650	160.000	180.162
115	N-nitrosodiphenylamine	169	7.002	7.002	(0.906)	4045399	160.000	180.287
116	Azobenzene	77	7.034	7.034	(1.099)	5464082	160.000	163.931

EPAPAV0011913

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.034	7.034	(1.099)	5464082	161.756	165.730
242	2,4,6 - Tribromophenol	330	7.119	7.119	(1.113)	1325337	240.000	241.956(A)
124	4-Bromophenyl phenyl ether	248	7.327	7.327	(0.948)	1517241	160.000	180.887
125	Hexachlorobenzene	284	7.386	7.386	(0.956)	1734685	160.000	182.707
127	Atrazine	200	7.466	7.466	(0.966)	1323109	160.000	174.177
128	n-Octadecane	85	7.573	7.573	(0.980)	1157141	160.000	179.773
129	Pentachlorophenol	266	7.562	7.562	(0.979)	1257533	160.000	164.214
136	Phenanthrene	178	7.755	7.755	(1.003)	6643304	160.000	179.326
137	Anthracene	178	7.798	7.798	(1.009)	6785043	160.000	177.888
140	Carbazole	167	7.942	7.942	(1.028)	6107729	160.000	178.282
141	Alachlor	188	8.027	8.027	(1.039)	968583	160.000	180.757
143	Di-n-butyl phthalate	149	8.193	8.193	(1.060)	7149457	160.000	178.337
144	n-Eicosane	43	8.284	8.284	(1.072)	1590367	160.000	172.455
149	Fluoranthene	202	8.775	8.775	(1.135)	7597656	160.000	179.253
150	n-docosane	43	8.925	8.925	(1.155)	1589188	160.000	176.065
151	Benzidine	184	8.893	8.893	(0.888)	4835738	160.000	160.890
152	Pyrene	202	8.978	8.978	(0.896)	7806882	160.000	156.859
158	Famphur	218	9.448	9.448	(0.943)	2663747	160.000	139.792
159	Butyl benzyl phthalate	149	9.480	9.480	(0.946)	3473221	160.000	166.970
162	Bis(2-ethylhexyl) phthalate	149	9.950	9.950	(0.993)	4617008	160.000	173.191
164	3 3'-Dichlorobenzidine	252	9.982	9.982	(0.996)	3200602	160.000	170.864
165	Benzo(a)anthracene	228	10.015	10.015	(0.999)	8478516	160.000	166.280
167	Chrysene	228	10.047	10.047	(1.003)	7320982	160.000	162.609
168	Di-n-octyl phthalate	149	10.506	10.506	(1.049)	7365043	160.000	174.219
171	Benzo(b)fluoranthene	252	10.944	10.944	(0.972)	8451783	160.000	187.940
172	Benzo(k)fluoranthene	252	10.965	10.965	(0.973)	8744895	160.000	182.153
178	Benzo(a)pyrene	252	11.222	11.222	(0.996)	7733170	160.000	187.737
185	Dibenz(a,h)anthracene	278	12.151	12.151	(1.079)	8567479	160.000	164.395
186	Indeno(1,2,3-cd)pyrene	276	12.151	12.151	(1.213)	9956394	160.000	184.483
188	Benzo(g,h,i)perylene	276	12.408	12.408	(1.101)	6912091	160.000	181.165

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: D0520.D

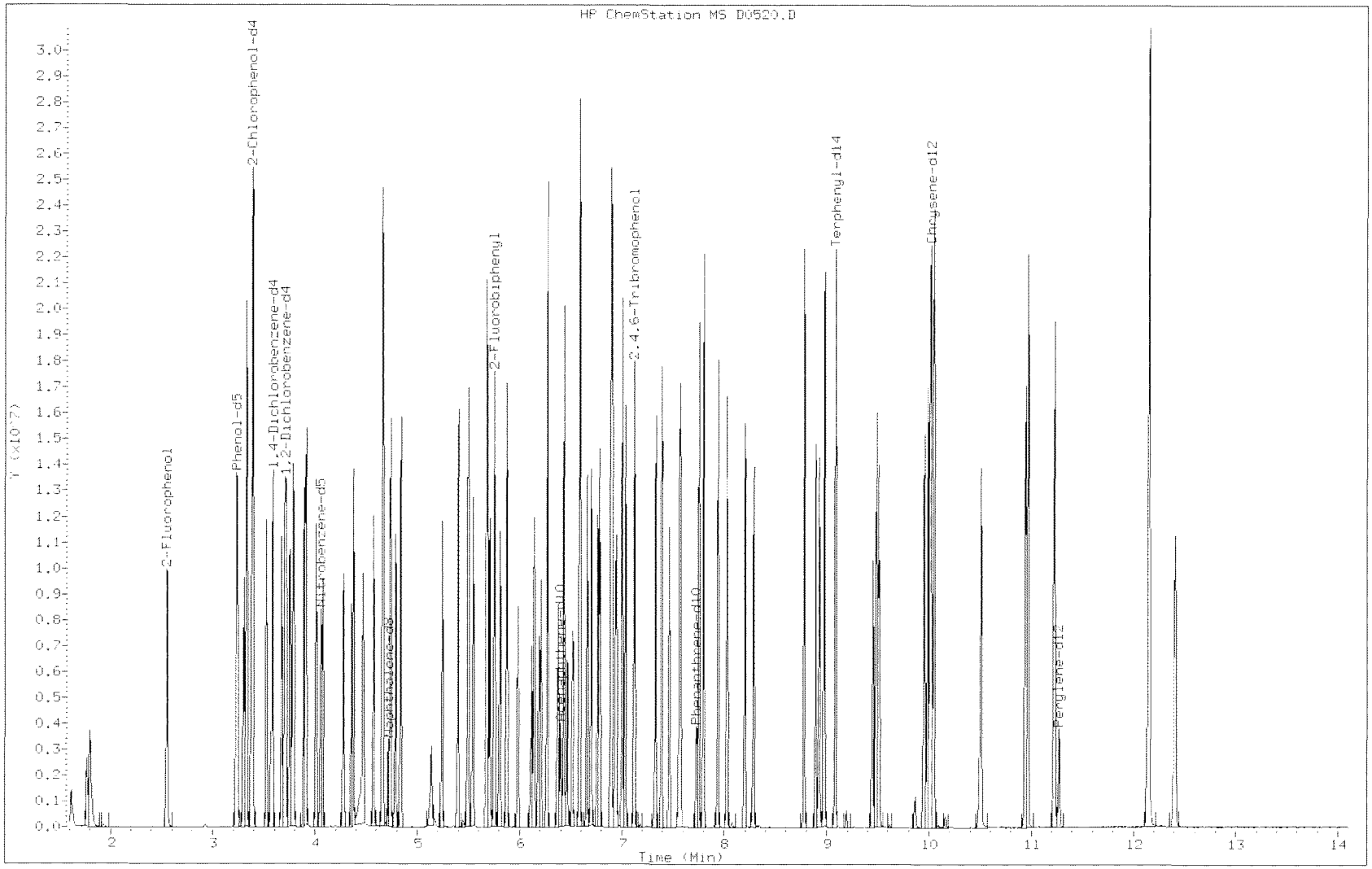
Date: 02-MAY-2012 10:23

Client ID:

Instrument: D.i

Sample Info: IC-1394511,,HSL160

Operator: hoffmanm



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BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0521.D
Lab Smp Id: IC-1394529
Inj Date : 02-MAY-2012 10:43
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394529,,HSL120
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 10:23 Cal File: D0520.D
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.567	3.567	(1.000)	320860	40.0000	
* 58	Naphthalene-d8	136	4.716	4.716	(1.000)	1142153	40.0000	
* 96	Acenaphthene-d10	164	6.399	6.399	(1.000)	777862	40.0000	
* 135	Phenanthrene-d10	188	7.729	7.729	(1.000)	1363901	40.0000	
* 166	Chrysene-d12	240	10.021	10.021	(1.000)	1782375	40.0000	
* 179	Perylene-d12	264	11.260	11.260	(1.000)	1438550	40.0000	
$ 22	2-Chlorophenol-d4	132	3.381	3.381	(0.948)	2251518	180.000	186.311
$ 29	1,2-Dichlorobenzene-d4	152	3.701	3.701	(1.037)	1038106	120.000	122.664
$ 8	2-Fluorophenol	112	2.547	2.547	(0.714)	1996939	180.000	182.070
$ 15	Phenol-d5	99	3.231	3.231	(0.906)	2585912	180.000	183.990
$ 43	Nitrobenzene-d5	82	4.054	4.054	(0.860)	1830499	120.000	123.134
$ 81	2-Fluorobiphenyl	172	5.752	5.752	(0.899)	3197974	120.000	126.123
$ 118	2,4,6-Tribromophenol	330	7.120	7.120	(1.113)	914709	180.000	181.752
$ 154	Terphenyl-d14	244	9.081	9.081	(0.906)	4173858	120.000	126.683
4	1,4-Dioxane	88	1.612	1.612	(0.452)	566502	120.000	114.887
5	N-Nitrosodimethylamine	74	1.767	1.767	(0.495)	942592	120.000	119.552
6	Pyridine	79	1.794	1.794	(0.503)	1577897	120.000	119.640
16	Phenol	94	3.242	3.242	(0.909)	1757427	120.000	123.140
18	Aniline	93	3.300	3.300	(0.925)	2226614	120.000	120.633
19	Methyl Styrene	118	3.327	3.327	(0.933)	1514061	120.000	122.478
20	Bis(2-chloroethyl) ether	93	3.327	3.327	(0.933)	1423387	120.000	120.436
21	Decane	43	3.381	3.381	(0.948)	1059010	120.000	120.405

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.391	3.391	(0.951)	1491239	120.000	124.055
25	1,3-Dichlorobenzene	146	3.519	3.519	(0.987)	1644456	120.000	121.538
27	1,4-Dichlorobenzene	146	3.584	3.584	(1.004)	1632118	120.000	118.235
28	Benzyl alcohol	108	3.669	3.669	(1.028)	905772	120.000	122.440
30	1,2-Dichlorobenzene	146	3.712	3.712	(1.040)	1570899	120.000	120.346
32	2-Methylphenol	108	3.749	3.749	(1.051)	1271050	120.000	122.338
34	2,2'-oxybis(1-chloropropane)	45	3.776	3.776	(1.058)	1224534	120.000	119.968
35	1H-Indene	116	3.787	3.787	(1.061)	2131555	120.000	123.600
138	3-Methylphenol	108	3.888	3.888	(1.090)	1350016	120.000	124.025
36	4-Methylphenol	108	3.888	3.888	(1.090)	1350016	120.000	124.025
139	3 & 4-Methylphenol	108	3.888	3.888	(1.090)	1350016	120.000	124.025
37	N-nitrosodi-n-propylamine	70	3.899	3.899	(1.093)	1194941	120.000	120.426
38	Acetophenone	105	3.909	3.909	(1.096)	1994594	120.000	121.476
41	Hexachloroethane	117	4.006	4.006	(1.123)	768777	120.000	122.697
44	Nitrobenzene	77	4.070	4.070	(0.863)	1802780	120.000	121.814
47	Isophorone	82	4.273	4.273	(0.906)	2854707	120.000	124.035
50	2,4-Dimethylphenol	107	4.374	4.374	(0.927)	1484224	120.000	126.778
49	2-Nitrophenol	139	4.358	4.358	(0.924)	727683	120.000	125.210
53	Benzoic acid	122	4.460	4.460	(0.946)	694533	120.000	119.994
52	Bis(2-chloroethoxy)methane	93	4.465	4.465	(0.947)	1628532	120.000	124.317
54	2,4-Dichlorophenol	162	4.572	4.572	(0.969)	1224942	120.000	124.704
56	n-Dodecane	43	4.663	4.663	(0.989)	1081549	120.000	123.625
57	1,2,4-Trichlorobenzene	180	4.657	4.657	(0.988)	1655809	120.000	126.317
59	Naphthalene	128	4.737	4.737	(1.005)	3819187	120.000	123.301
60	4-Chloroaniline	127	4.785	4.785	(1.015)	1654294	120.000	123.744
62	Hexachlorobutadiene	225	4.839	4.839	(1.026)	1063100	120.000	125.127
67	Caprolactam	55	5.127	5.127	(1.087)	448600	120.000	127.041
68	4-Chloro-3-methylphenol	107	5.240	5.240	(1.111)	1156176	120.000	123.968
71	2-Methylnaphthalene	142	5.395	5.395	(1.144)	2686101	120.000	125.587
72	1-Methylnaphthalene	142	5.496	5.496	(1.165)	2547996	120.000	126.296
74	Hexachlorocyclopentadiene	237	5.544	5.544	(0.866)	1260922	120.000	127.523
78	2,4,6-Trichlorophenol	196	5.672	5.672	(0.886)	1087391	120.000	127.448
79	2,3-Dichlorobenzeneamine	161	5.678	5.678	(0.887)	1583259	120.000	125.198
80	2,4,5-Trichlorophenol	196	5.704	5.704	(0.891)	1067042	120.000	126.287
83	Tetradecane	43	5.806	5.806	(0.907)	1088664	120.000	122.376
86	2-Chloronaphthalene	162	5.875	5.875	(0.918)	2747133	120.000	123.744
88	2-Nitroaniline	65	5.982	5.982	(0.935)	899787	120.000	123.237
91	Dimethyl phthalate	163	6.137	6.137	(0.959)	3075697	120.000	121.865
93	2,6-Dinitrotoluene	165	6.207	6.207	(0.970)	708168	120.000	124.152
94	Acenaphthylene	152	6.271	6.271	(0.980)	4268248	120.000	126.617
95	3-Nitroaniline	138	6.372	6.372	(0.996)	723287	120.000	124.486
97	Acenaphthene	153	6.431	6.431	(1.005)	2732770	120.000	126.394
98	2,4-Dinitrophenol	184	6.463	6.463	(1.010)	494052	120.000	119.446
99	4-Nitrophenol	109	6.516	6.516	(1.018)	734149	120.000	126.353
101	2,4-Dinitrotoluene	165	6.580	6.580	(1.028)	1019999	120.000	118.130
102	Dibenzofuran	168	6.586	6.586	(1.029)	4147917	120.000	126.473
105	Hexadecane	57	6.762	6.762	(1.057)	1272340	120.000	121.604
107	Diethyl phthalate	149	6.778	6.778	(1.059)	3162236	120.000	121.280
109	4-Chlorophenyl phenyl ether	204	6.890	6.890	(1.077)	1819521	120.000	127.248
110	Fluorene	166	6.901	6.901	(1.078)	3499918	120.000	128.680
112	4-Nitroaniline	138	6.938	6.938	(1.084)	702966	120.000	127.240
113	4,6-Dinitro-2-methylphenol	198	6.949	6.949	(0.899)	665603	120.000	126.952
115	N-nitrosodiphenylamine	169	7.002	7.002	(0.906)	2822729	120.000	124.076
116	Azobenzene	77	7.035	7.035	(1.099)	4041809	120.000	121.556

EPAPAV0011917

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.035	7.035	(1.099)	4041809	121.317	122.890
242	2,4,6 - Tribromophenol	330	7.120	7.120	(1.113)	914709	180.000	181.752
124	4-Bromophenyl phenyl ether	248	7.328	7.328	(0.948)	1056303	120.000	124.209
125	Hexachlorobenzene	284	7.387	7.387	(0.956)	1198769	120.000	124.532
127	Atrazine	200	7.462	7.462	(0.965)	941204	120.000	122.206
128	n-Octadecane	85	7.574	7.574	(0.980)	826206	120.000	126.602
129	Pentachlorophenol	266	7.558	7.558	(0.978)	842175	120.000	117.244
136	Phenanthrene	178	7.750	7.750	(1.003)	4784634	120.000	127.386
137	Anthracene	178	7.798	7.798	(1.009)	4958634	120.000	128.224
140	Carbazole	167	7.937	7.937	(1.027)	4454099	120.000	128.233
141	Alachlor	188	8.028	8.028	(1.039)	694812	120.000	127.891
143	Di-n-butyl phthalate	149	8.194	8.194	(1.060)	5230092	120.000	128.674
144	n-Eicosane	43	8.285	8.285	(1.072)	1151363	120.000	123.141
149	Fluoranthene	202	8.776	8.776	(1.135)	5646287	120.000	131.390
150	n-docosane	43	8.926	8.926	(1.155)	1146094	120.000	125.236
151	Benzidine	184	8.888	8.888	(0.887)	3555177	120.000	123.517
152	Pyrene	202	8.974	8.974	(0.896)	5908285	120.000	123.963
158	Famphur	218	9.444	9.444	(0.942)	2154264	120.000	118.056
159	Butyl benzyl phthalate	149	9.481	9.481	(0.946)	2470323	120.000	124.011
162	Bis(2-ethylhexyl) phthalate	149	9.946	9.946	(0.993)	3297593	120.000	129.170
164	3 3'-Dichlorobenzidine	252	9.983	9.983	(0.996)	2252116	120.000	125.548
165	Benzo(a)anthracene	228	10.010	10.010	(0.999)	6059615	120.000	124.098
167	Chrysene	228	10.042	10.042	(1.002)	5409247	120.000	125.462
168	Di-n-octyl phthalate	149	10.502	10.502	(1.048)	5334239	120.000	131.763
171	Benzo(b)fluoranthene	252	10.940	10.940	(0.972)	5539139	120.000	124.490
172	Benzo(k)fluoranthene	252	10.961	10.961	(0.973)	6832026	120.000	143.831
178	Benzo(a)pyrene	252	11.217	11.217	(0.996)	5475276	120.000	134.344
185	Dibenz(a,h)anthracene	278	12.142	12.142	(1.078)	5927215	120.000	122.735
186	Indeno(1,2,3-cd)pyrene	276	12.142	12.142	(1.212)	6908241	120.000	133.666
188	Benzo(g,h,i)perylene	276	12.398	12.398	(1.101)	4965063	120.000	131.526

Data File: D0521.D

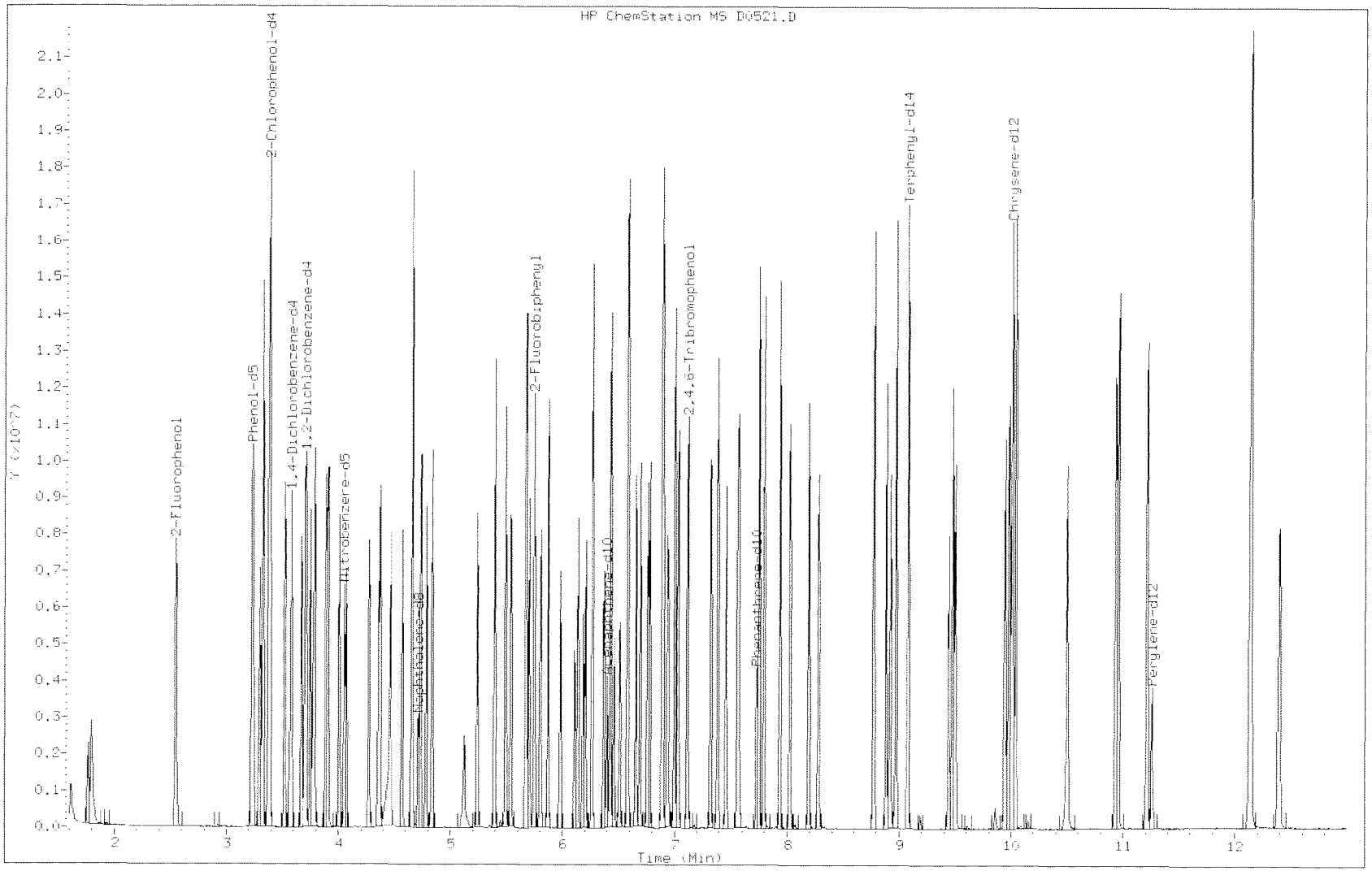
Date: 02-MAY-2012 10:43

Client ID:

Instrument: D.i

Sample Info: IC-1394529,,HSL120

Operator: hoffmanm



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BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0522.D
Lab Smp Id: ICIS- 1394530
Inj Date : 02-MAY-2012 11:01
Operator : hoffmanm Inst ID: D.i
Smp Info : ICIS- 1394530,,HSL080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 03-May-2012 07:52 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 12:15 Cal File: D0526.D
Als bottle: 14 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.566	3.566	(1.000)	311929	40.0000	
* 58	Naphthalene-d8	136	4.715	4.715	(1.000)	1113228	40.0000	
* 96	Acenaphthene-d10	164	6.397	6.397	(1.000)	755255	40.0000	
* 135	Phenanthrene-d10	188	7.728	7.728	(1.000)	1315117	40.0000	
* 166	Chrysene-d12	240	10.019	10.019	(1.000)	1677885	40.0000	
* 179	Perylene-d12	264	11.264	11.264	(1.000)	1417921	40.0000	
$ 22	2-Chlorophenol-d4	132	3.379	3.379	(0.948)	1427189	120.000	121.480
$ 29	1,2-Dichlorobenzene-d4	152	3.700	3.700	(1.037)	667555	80.0000	81.1374
$ 8	2-Fluorophenol	112	2.551	2.551	(0.715)	1295354	120.000	121.484
$ 15	Phenol-d5	99	3.224	3.224	(0.904)	1643827	120.000	120.308
$ 43	Nitrobenzene-d5	82	4.052	4.052	(0.860)	1192546	80.0000	82.3049
$ 81	2-Fluorobiphenyl	172	5.751	5.751	(0.899)	2027252	80.0000	82.3446
$ 118	2,4,6-Tribromophenol	330	7.118	7.118	(1.113)	551568	120.000	121.454
$ 154	Terphenyl-d14	244	9.079	9.079	(0.906)	2546958	80.0000	82.1184
4	1,4-Dioxane	88	1.616	1.616	(0.453)	378205	80.0000	78.8966
5	N-Nitrosodimethylamine	74	1.766	1.766	(0.495)	624032	80.0000	81.4140
6	Pyridine	79	1.798	1.798	(0.504)	1024354	80.0000	79.8926
16	Phenol	94	3.240	3.240	(0.909)	1120301	80.0000	80.7452
18	Aniline	93	3.299	3.299	(0.925)	1424228	80.0000	79.3708
19	Methyl Styrene	118	3.326	3.326	(0.933)	960138	80.0000	79.8927
20	Bis(2-chloroethyl) ether	93	3.331	3.331	(0.934)	915113	80.0000	79.6468
21	Decane	43	3.384	3.384	(0.949)	689518	80.0000	80.6398

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.390	3.390	(0.951)	936263	80.0000	80.1170
25	1,3-Dichlorobenzene	146	3.523	3.523	(0.988)	1042378	80.0000	79.2454
27	1,4-Dichlorobenzene	146	3.582	3.582	(1.004)	1059863	80.0000	78.9779
28	Benzyl alcohol	108	3.667	3.667	(1.028)	583807	80.0000	81.1768
30	1,2-Dichlorobenzene	146	3.716	3.716	(1.042)	1004928	80.0000	79.1918
32	2-Methylphenol	108	3.748	3.748	(1.051)	820762	80.0000	81.2596
34	2,2'-oxybis(1-chloropropane)	45	3.774	3.774	(1.058)	803870	80.0000	81.0105
35	1H-Indene	116	3.790	3.790	(1.063)	1349914	80.0000	80.5171
138	3-Methylphenol	108	3.887	3.887	(1.090)	863218	80.0000	81.5736
36	4-Methylphenol	108	3.887	3.887	(1.090)	863218	80.0000	81.5736
139	3 & 4-Methylphenol	108	3.887	3.887	(1.090)	863218	80.0000	81.5736
37	N-nitrosodi-n-propylamine	70	3.897	3.897	(1.093)	775290	80.0000	80.3709
38	Acetophenone	105	3.908	3.908	(1.096)	1271866	80.0000	79.6775
41	Hexachloroethane	117	4.009	4.009	(1.124)	494207	80.0000	81.1342
44	Nitrobenzene	77	4.068	4.068	(0.863)	1160106	80.0000	80.4255
47	Isophorone	82	4.271	4.271	(0.906)	1876621	80.0000	83.6562
50	2,4-Dimethylphenol	107	4.373	4.373	(0.927)	947500	80.0000	83.0357
49	2-Nitrophenol	139	4.357	4.357	(0.924)	477631	80.0000	84.3197
53	Benzoic acid	122	4.447	4.447	(0.943)	470227	80.0000	83.3518
52	Bis(2-chloroethoxy)methane	93	4.463	4.463	(0.947)	1042744	80.0000	81.6678
54	2,4-Dichlorophenol	162	4.570	4.570	(0.969)	789664	80.0000	82.4794
56	n-Dodecane	43	4.661	4.661	(0.989)	714825	80.0000	83.8300
57	1,2,4-Trichlorobenzene	180	4.656	4.656	(0.988)	1048454	80.0000	82.0619
59	Naphthalene	128	4.736	4.736	(1.005)	2449128	80.0000	81.1239
60	4-Chloroaniline	127	4.784	4.784	(1.015)	1065992	80.0000	81.8102
62	Hexachlorobutadiene	225	4.837	4.837	(1.026)	686840	80.0000	82.9415
67	Caprolactam	55	5.115	5.115	(1.085)	290310	80.0000	84.3504
68	4-Chloro-3-methylphenol	107	5.238	5.238	(1.111)	755959	80.0000	83.1621
71	2-Methylnaphthalene	142	5.393	5.393	(1.144)	1681384	80.0000	80.6544
72	1-Methylnaphthalene	142	5.494	5.494	(1.165)	1613484	80.0000	82.0530
74	Hexachlorocyclopentadiene	237	5.543	5.543	(0.866)	807364	80.0000	84.0968
78	2,4,6-Trichlorophenol	196	5.671	5.671	(0.886)	679562	80.0000	82.0324
79	2,3-Dichlorobenzeneamine	161	5.681	5.681	(0.888)	994656	80.0000	81.0080
80	2,4,5-Trichlorophenol	196	5.703	5.703	(0.891)	674725	80.0000	82.2458
83	Tetradecane	43	5.804	5.804	(0.907)	714394	80.0000	82.7086
86	2-Chloronaphthalene	162	5.874	5.874	(0.918)	1752972	80.0000	81.3261
88	2-Nitroaniline	65	5.981	5.981	(0.935)	583992	80.0000	82.3794
91	Dimethyl phthalate	163	6.136	6.136	(0.959)	1976789	80.0000	80.6685
93	2,6-Dinitrotoluene	165	6.205	6.205	(0.970)	446007	80.0000	80.5316
94	Acenaphthylene	152	6.269	6.269	(0.980)	2703502	80.0000	82.5996
95	3-Nitroaniline	138	6.371	6.371	(0.996)	462956	80.0000	82.0648
97	Acenaphthene	153	6.429	6.429	(1.005)	1712679	80.0000	81.5849
98	2,4-Dinitrophenol	184	6.461	6.461	(1.010)	306290	80.0000	80.0544
99	4-Nitrophenol	109	6.509	6.509	(1.018)	464777	80.0000	82.3862
101	2,4-Dinitrotoluene	165	6.579	6.579	(1.028)	647595	80.0000	82.0830
102	Dibenzofuran	168	6.584	6.584	(1.029)	2612952	80.0000	82.0557
105	Hexadecane	57	6.761	6.761	(1.057)	813087	80.0000	80.0370
107	Diethyl phthalate	149	6.777	6.777	(1.059)	2057530	80.0000	81.2740
109	4-Chlorophenyl phenyl ether	204	6.889	6.889	(1.077)	1155610	80.0000	83.2366
110	Fluorene	166	6.894	6.894	(1.078)	2175952	80.0000	82.3973
112	4-Nitroaniline	138	6.932	6.932	(1.084)	440163	80.0000	82.0566
113	4,6-Dinitro-2-methylphenol	198	6.942	6.942	(0.898)	408278	80.0000	80.7605
115	N-nitrosodiphenylamine	169	7.001	7.001	(0.906)	1783367	80.0000	81.2973
116	Azobenzene	77	7.028	7.028	(1.099)	2659449	80.0000	82.3763

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.028	7.028	(1.099)	2659449	80.8780	83.2803
242	2,4,6 - Tribromophenol	330	7.118	7.118	(1.113)	551568	120.000	121.454
124	4-Bromophenyl phenyl ether	248	7.327	7.327	(0.948)	665038	80.0000	81.1018
125	Hexachlorobenzene	284	7.386	7.386	(0.956)	754358	80.0000	81.2724
127	Atrazine	200	7.460	7.460	(0.965)	626760	80.0000	84.3970
128	n-Octadecane	85	7.573	7.573	(0.980)	503302	80.0000	79.9832
129	Pentachlorophenol	266	7.557	7.557	(0.978)	527088	80.0000	81.5743
136	Phenanthrene	178	7.749	7.749	(1.003)	3042335	80.0000	84.0036
137	Anthracene	178	7.792	7.792	(1.008)	3184671	80.0000	85.4063
140	Carbazole	167	7.936	7.936	(1.027)	2780205	80.0000	83.0109
141	Alachlor	188	8.027	8.027	(1.039)	437283	80.0000	83.4743
143	Di-n-butyl phthalate	149	8.192	8.192	(1.060)	3405190	80.0000	86.8841
144	n-Eicosane	43	8.283	8.283	(1.072)	755050	80.0000	83.7501
149	Fluoranthene	202	8.775	8.775	(1.135)	3583155	80.0000	86.4735
150	n-docosane	43	8.924	8.924	(1.155)	739741	80.0000	83.8317
151	Benzidine	184	8.887	8.887	(0.887)	2256852	80.0000	83.2925
152	Pyrene	202	8.972	8.972	(0.895)	3769526	80.0000	84.0147
158	Famphur	218	9.448	9.448	(0.943)	1471451	80.0000	85.6590
159	Butyl benzyl phthalate	149	9.480	9.480	(0.946)	1569712	80.0000	83.7074
162	Bis(2-ethylhexyl) phthalate	149	9.950	9.950	(0.993)	2084197	80.0000	86.7245
164	3 3'-Dichlorobenzidine	252	9.982	9.982	(0.996)	1397890	80.0000	82.7809
165	Benzo(a)anthracene	228	10.009	10.009	(0.999)	3756416	80.0000	81.7204
167	Chrysene	228	10.046	10.046	(1.003)	3468789	80.0000	85.4653
168	Di-n-octyl phthalate	149	10.505	10.505	(1.049)	3391728	80.0000	88.9976
171	Benzo(b)fluoranthene	252	10.938	10.938	(0.971)	3519498	80.0000	80.2504
172	Benzo(k)fluoranthene	252	10.959	10.959	(0.973)	4020794	80.0000	85.8791
178	Benzo(a)pyrene	252	11.221	11.221	(0.996)	3413479	80.0000	84.9735
185	Dibenz(a,h)anthracene	278	12.145	12.145	(1.078)	3451340	80.0000	78.1086
186	Indeno(1,2,3-cd)pyrene	276	12.145	12.145	(1.212)	4109042	80.0000	84.4564
188	Benzo(g,h,i)perylene	276	12.397	12.397	(1.101)	3061305	80.0000	82.2746

Data File: D0522.D

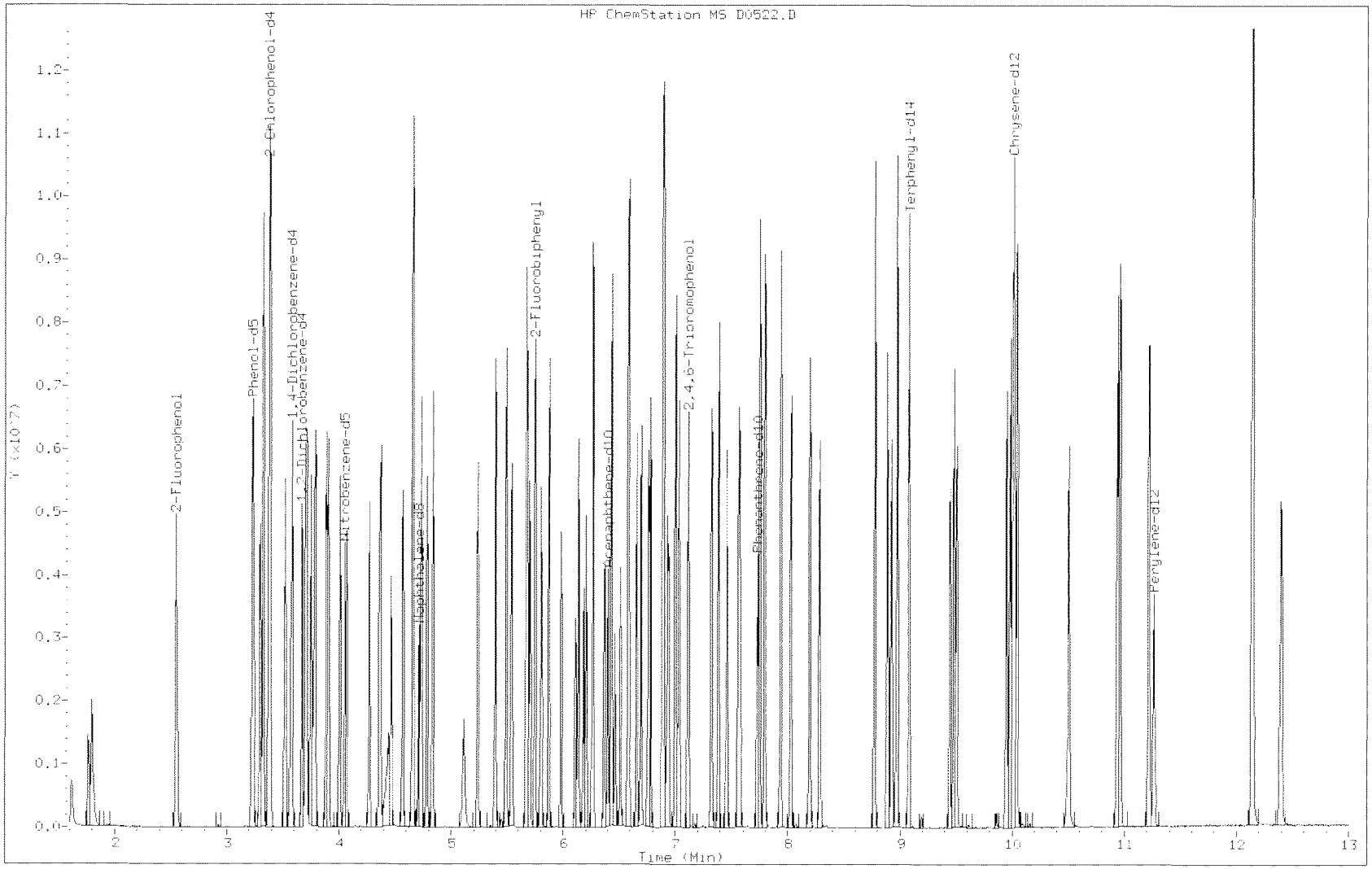
Date: 02-MAY-2012 11:01

Client ID:

Instrument: D.i

Sample Info: ICIS- 1394530,,HSL080

Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0523.D
Lab Smp Id: IC-1394545
Inj Date : 02-MAY-2012 11:20
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394545,,HSL050
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 11:01 Cal File: D0522.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.567	3.567	(1.000)	301332	40.0000	
* 58	Naphthalene-d8	136	4.715	4.715	(1.000)	1136453	40.0000	
* 96	Acenaphthene-d10	164	6.398	6.398	(1.000)	774165	40.0000	
* 135	Phenanthrene-d10	188	7.728	7.728	(1.000)	1338511	40.0000	
* 166	Chrysene-d12	240	10.031	10.031	(1.000)	1650884	40.0000	
* 179	Perylene-d12	264	11.286	11.286	(1.000)	1451046	40.0000	
$ 22	2-Chlorophenol-d4	132	3.374	3.374	(0.946)	749908	75.0000	66.0757
$ 29	1,2-Dichlorobenzene-d4	152	3.700	3.700	(1.037)	359184	50.0000	45.1920
$ 8	2-Fluorophenol	112	2.546	2.546	(0.714)	703559	75.0000	68.3036
$ 15	Phenol-d5	99	3.225	3.225	(0.904)	911847	75.0000	69.0833
$ 43	Nitrobenzene-d5	82	4.053	4.053	(0.860)	664108	50.0000	44.8975
$ 81	2-Fluorobiphenyl	172	5.746	5.746	(0.898)	1080081	50.0000	42.8000
$ 118	2,4,6-Tribromophenol	330	7.114	7.114	(1.112)	281833	75.0000	65.6480
$ 154	Terphenyl-d14	244	9.085	9.085	(0.906)	1350927	50.0000	44.2686
4	1,4-Dioxane	88	1.617	1.617	(0.453)	208751	50.0000	45.0786
5	N-Nitrosodimethylamine	74	1.766	1.766	(0.495)	343871	50.0000	46.4407
6	Pyridine	79	1.793	1.793	(0.503)	583709	50.0000	47.1263
16	Phenol	94	3.235	3.235	(0.907)	617942	50.0000	46.1042
18	Aniline	93	3.294	3.294	(0.924)	816380	50.0000	47.0960
19	Methyl Styrene	118	3.326	3.326	(0.933)	521802	50.0000	44.9458
20	Bis(2-chloroethyl) ether	93	3.326	3.326	(0.933)	505586	50.0000	45.5511
21	Decane	43	3.380	3.380	(0.948)	377377	50.0000	45.6867

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.390	3.390	(0.951)	500360	50.0000	44.3221
25	1,3-Dichlorobenzene	146	3.519	3.519	(0.987)	569879	50.0000	44.8479
27	1,4-Dichlorobenzene	146	3.583	3.583	(1.004)	583309	50.0000	44.9951
28	Benzyl alcohol	108	3.668	3.668	(1.028)	319296	50.0000	45.9586
30	1,2-Dichlorobenzene	146	3.711	3.711	(1.040)	555131	50.0000	45.2846
32	2-Methylphenol	108	3.748	3.748	(1.051)	445310	50.0000	45.6384
34	2,2'-oxybis(1-chloropropane)	45	3.775	3.775	(1.058)	449044	50.0000	46.8441
35	1H-Indene	116	3.786	3.786	(1.061)	724696	50.0000	44.7454
138	3-Methylphenol	108	3.882	3.882	(1.088)	471009	50.0000	46.0754
36	4-Methylphenol	108	3.882	3.882	(1.088)	471009	50.0000	46.0754
139	3 & 4-Methylphenol	108	3.882	3.882	(1.088)	471009	50.0000	46.0754
37	N-nitrosodi-n-propylamine	70	3.893	3.893	(1.091)	424866	50.0000	45.5929
38	Acetophenone	105	3.909	3.909	(1.096)	680950	50.0000	44.1591
41	Hexachloroethane	117	4.005	4.005	(1.123)	267061	50.0000	45.3854
44	Nitrobenzene	77	4.069	4.069	(0.863)	668050	50.0000	45.3667
47	Isophorone	82	4.272	4.272	(0.906)	1032053	50.0000	45.0668
50	2,4-Dimethylphenol	107	4.368	4.368	(0.926)	504287	50.0000	43.2909
49	2-Nitrophenol	139	4.357	4.357	(0.924)	252370	50.0000	43.6422
53	Benzoic acid	122	4.432	4.432	(0.940)	258213	50.0000	44.8351
52	Bis(2-chloroethoxy)methane	93	4.464	4.464	(0.947)	566874	50.0000	43.4903
54	2,4-Dichlorophenol	162	4.566	4.566	(0.968)	436617	50.0000	44.6721
56	n-Dodecane	43	4.662	4.662	(0.989)	389857	50.0000	44.7855
57	1,2,4-Trichlorobenzene	180	4.656	4.656	(0.988)	563422	50.0000	43.1975
59	Naphthalene	128	4.731	4.731	(1.003)	1319499	50.0000	42.8133
60	4-Chloroaniline	127	4.785	4.785	(1.015)	582944	50.0000	43.8241
62	Hexachlorobutadiene	225	4.838	4.838	(1.026)	368475	50.0000	43.5870
67	Caprolactam	55	5.105	5.105	(1.083)	169528	50.0000	48.2502
68	4-Chloro-3-methylphenol	107	5.233	5.233	(1.110)	414495	50.0000	44.6662
71	2-Methylnaphthalene	142	5.394	5.394	(1.144)	903889	50.0000	42.4726
72	1-Methylnaphthalene	142	5.495	5.495	(1.165)	867029	50.0000	43.1913
74	Hexachlorocyclopentadiene	237	5.543	5.543	(0.866)	422483	50.0000	42.9318
78	2,4,6-Trichlorophenol	196	5.671	5.671	(0.886)	351357	50.0000	41.3776
79	2,3-Dichlorobenzeneamine	161	5.677	5.677	(0.887)	537481	50.0000	42.7050
80	2,4,5-Trichlorophenol	196	5.704	5.704	(0.891)	363355	50.0000	43.2094
83	Tetradecane	43	5.805	5.805	(0.907)	389297	50.0000	43.9698
86	2-Chloronaphthalene	162	5.874	5.874	(0.918)	953723	50.0000	43.1655
88	2-Nitroaniline	65	5.981	5.981	(0.935)	337650	50.0000	46.4664
91	Dimethyl phthalate	163	6.136	6.136	(0.959)	1074372	50.0000	42.7719
93	2,6-Dinitrotoluene	165	6.200	6.200	(0.969)	242008	50.0000	42.6299
94	Acenaphthylene	152	6.270	6.270	(0.980)	1445352	50.0000	43.0809
95	3-Nitroaniline	138	6.366	6.366	(0.995)	260471	50.0000	45.0440
97	Acenaphthene	153	6.425	6.425	(1.004)	907901	50.0000	42.1922
98	2,4-Dinitrophenol	184	6.457	6.457	(1.009)	147536	50.0000	43.1721
99	4-Nitrophenol	109	6.510	6.510	(1.018)	253326	50.0000	43.8076
101	2,4-Dinitrotoluene	165	6.574	6.574	(1.028)	328852	50.0000	44.2488
102	Dibenzofuran	168	6.585	6.585	(1.029)	1390267	50.0000	42.5927
105	Hexadecane	57	6.761	6.761	(1.057)	460320	50.0000	44.2052
107	Diethyl phthalate	149	6.777	6.777	(1.059)	1120643	50.0000	43.1850
109	4-Chlorophenyl phenyl ether	204	6.889	6.889	(1.077)	578205	50.0000	40.6298
110	Fluorene	166	6.895	6.895	(1.078)	1133660	50.0000	41.8800
112	4-Nitroaniline	138	6.927	6.927	(1.083)	240596	50.0000	43.7571
113	4,6-Dinitro-2-methylphenol	198	6.943	6.943	(0.898)	208341	50.0000	40.4911
115	N-nitrosodiphenylamine	169	6.996	6.996	(0.905)	966682	50.0000	43.2974
116	Azobenzene	77	7.028	7.028	(1.099)	1460438	50.0000	44.1320

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.028	7.028	(1.099)	1460438	50.5487	44.6163
242	2,4,6 - Tribromophenol	330	7.114	7.114	(1.112)	281833	75.0000	65.6480
124	4-Bromophenyl phenyl ether	248	7.322	7.322	(0.947)	356897	50.0000	42.7631
125	Hexachlorobenzene	284	7.386	7.386	(0.956)	392506	50.0000	41.5484
127	Atrazine	200	7.461	7.461	(0.965)	339075	50.0000	44.8605
128	n-Octadecane	85	7.573	7.573	(0.980)	268312	50.0000	41.8941
129	Pentachlorophenol	266	7.557	7.557	(0.978)	268717	50.0000	46.0549
136	Phenanthrene	178	7.750	7.750	(1.003)	1629214	50.0000	44.1989
137	Anthracene	178	7.792	7.792	(1.008)	1683305	50.0000	44.3538
140	Carbazole	167	7.937	7.937	(1.027)	1489104	50.0000	43.6843
141	Alachlor	188	8.027	8.027	(1.039)	235287	50.0000	44.1297
143	Di-n-butyl phthalate	149	8.193	8.193	(1.060)	1818514	50.0000	45.5888
144	n-Eicosane	43	8.284	8.284	(1.072)	408516	50.0000	44.5206
149	Fluoranthene	202	8.775	8.775	(1.135)	1897899	50.0000	45.0021
150	n-docosane	43	8.925	8.925	(1.155)	389734	50.0000	43.3950
151	Benzidine	184	8.887	8.887	(0.886)	1224443	50.0000	45.9290
152	Pyrene	202	8.973	8.973	(0.895)	2008762	50.0000	45.5032
158	Famphur	218	9.448	9.448	(0.942)	846333	50.0000	50.0742
159	Butyl benzyl phthalate	149	9.486	9.486	(0.946)	842743	50.0000	45.6756
162	Bis(2-ethylhexyl) phthalate	149	9.961	9.961	(0.993)	1115960	50.0000	47.1951
164	3 3'-Dichlorobenzidine	252	9.993	9.993	(0.996)	741060	50.0000	44.6022
165	Benzo(a)anthracene	228	10.020	10.020	(0.999)	2016618	50.0000	44.5888
167	Chrysene	228	10.052	10.052	(1.002)	1789747	50.0000	44.8177
168	Di-n-octyl phthalate	149	10.522	10.522	(1.049)	1776852	50.0000	47.3864
171	Benzo(b)fluoranthene	252	10.960	10.960	(0.971)	1994600	50.0000	44.4420
172	Benzo(k)fluoranthene	252	10.982	10.982	(0.973)	1950401	50.0000	40.7071(H)
178	Benzo(a)pyrene	252	11.243	11.243	(0.996)	1770325	50.0000	43.0636
185	Dibenz(a,h)anthracene	278	12.168	12.168	(1.078)	1714944	50.0000	41.8178
186	Indeno(1,2,3-cd)pyrene	276	12.168	12.168	(1.213)	2082162	50.0000	43.4963
188	Benzo(g,h,i)perylene	276	12.424	12.424	(1.101)	1637948	50.0000	43.0160

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: D0523.D

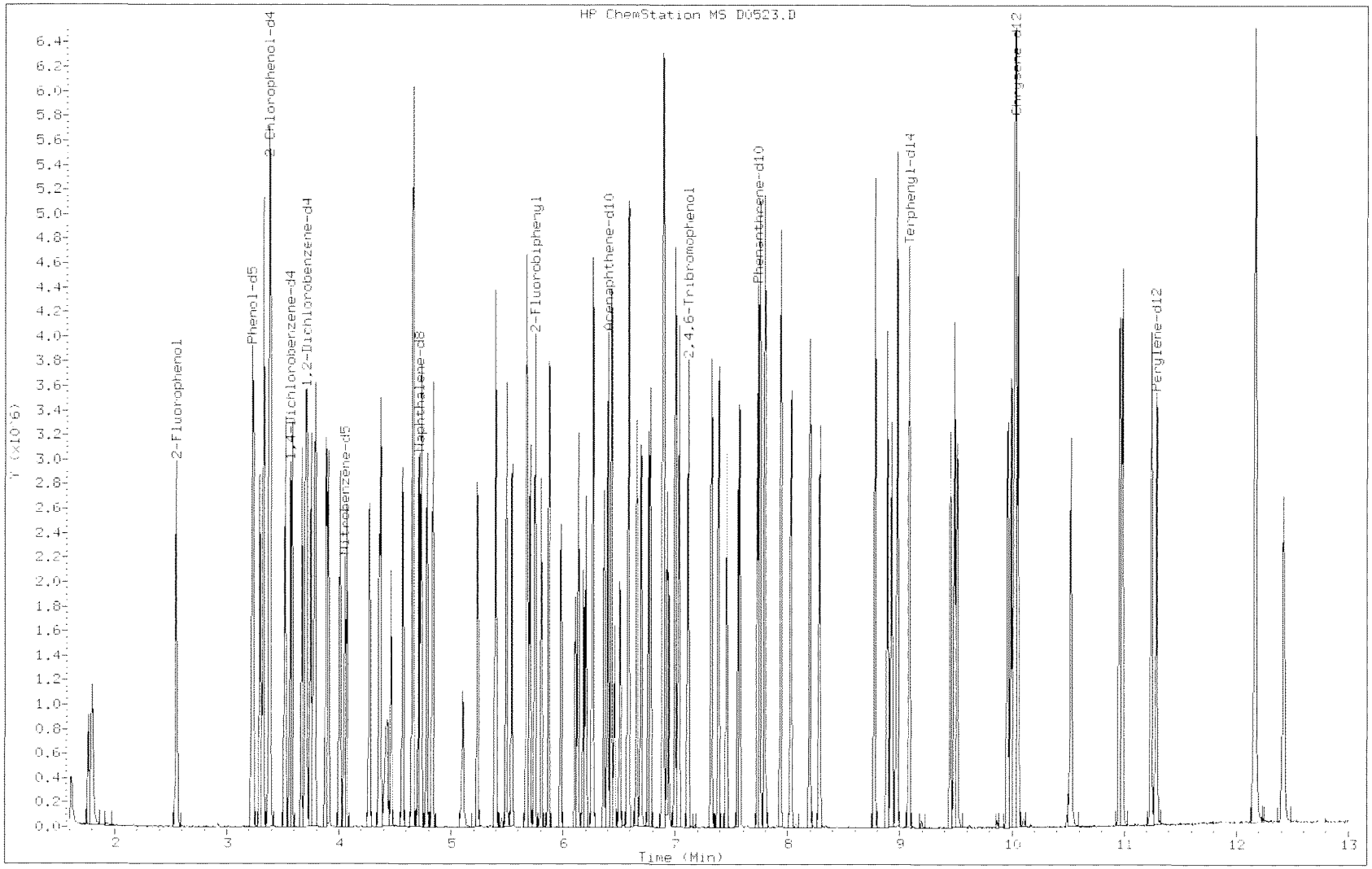
Date: 02-MAY-2012 11:20

Client ID:

Instrument: D.i

Sample Info: IC-1394545,,HSL050

Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0524.D
Lab Smp Id: IC-1394546
Inj Date : 02-MAY-2012 11:38
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394546,,HSL020
Misc Info :
Comment :
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Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 11:20 Cal File: D0523.D
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.564	3.564	(1.000)	293535	40.0000	
* 58 Naphthalene-d8	136	4.712	4.712	(1.000)	1072064	40.0000	
* 96 Acenaphthene-d10	164	6.395	6.395	(1.000)	734510	40.0000	
* 135 Phenanthrene-d10	188	7.731	7.731	(1.000)	1294108	40.0000	
* 166 Chrysene-d12	240	10.033	10.033	(1.000)	1509915	40.0000	
* 179 Perylene-d12	264	11.315	11.315	(1.000)	1381581	40.0000	
$ 22 2-Chlorophenol-d4	132	3.377	3.377	(0.948)	301748	30.0000	27.2938
$ 29 1,2-Dichlorobenzene-d4	152	3.703	3.703	(1.039)	149371	20.0000	19.2928
$ 8 2-Fluorophenol	112	2.549	2.549	(0.715)	298514	30.0000	29.7504
$ 15 Phenol-d5	99	3.222	3.222	(0.904)	374885	30.0000	29.1564
$ 43 Nitrobenzene-d5	82	4.050	4.050	(0.859)	270124	20.0000	19.3587
$ 81 2-Fluorobiphenyl	172	5.749	5.749	(0.899)	442276	20.0000	18.4721
$ 118 2,4,6-Tribromophenol	330	7.116	7.116	(1.113)	107856	30.0000	29.8905
$ 154 Terphenyl-d14	244	9.082	9.082	(0.905)	521745	20.0000	18.6933
4 1,4-Dioxane	88	1.614	1.614	(0.453)	92765	20.0000	20.5642
5 N-Nitrosodimethylamine	74	1.763	1.763	(0.495)	146938	20.0000	20.3715
6 Pyridine	79	1.796	1.796	(0.504)	237976	20.0000	19.7236
16 Phenol	94	3.233	3.233	(0.907)	245597	20.0000	18.8105
18 Aniline	93	3.291	3.291	(0.924)	336304	20.0000	19.9163
19 Methyl Styrene	118	3.323	3.323	(0.933)	212012	20.0000	18.7469
20 Bis(2-chloroethyl) ether	93	3.329	3.329	(0.934)	205585	20.0000	19.0143
21 Decane	43	3.382	3.382	(0.949)	156434	20.0000	19.4415

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.387	3.387	(0.951)	194886	20.0000	17.7216
25	1,3-Dichlorobenzene	146	3.521	3.521	(0.988)	232316	20.0000	18.7682
27	1,4-Dichlorobenzene	146	3.580	3.580	(1.004)	240233	20.0000	19.0232
28	Benzyl alcohol	108	3.665	3.665	(1.028)	127562	20.0000	18.8486
30	1,2-Dichlorobenzene	146	3.713	3.713	(1.042)	223009	20.0000	18.6751
32	2-Methylphenol	108	3.745	3.745	(1.051)	177365	20.0000	18.6604
34	2,2'-oxybis(1-chloropropane)	45	3.772	3.772	(1.058)	186520	20.0000	19.9745
35	1H-Indene	116	3.788	3.788	(1.063)	299845	20.0000	19.0053
138	3-Methylphenol	108	3.879	3.879	(1.088)	185407	20.0000	18.6188
36	4-Methylphenol	108	3.879	3.879	(1.088)	185407	20.0000	18.6188
139	3 & 4-Methylphenol	108	3.879	3.879	(1.088)	185407	20.0000	18.6188
37	N-nitrosodi-n-propylamine	70	3.895	3.895	(1.093)	173212	20.0000	19.0813
38	Acetophenone	105	3.906	3.906	(1.096)	292348	20.0000	19.4621
41	Hexachloroethane	117	4.007	4.007	(1.124)	105911	20.0000	18.4770
44	Nitrobenzene	77	4.066	4.066	(0.863)	272598	20.0000	19.6238
47	Isophorone	82	4.269	4.269	(0.906)	419666	20.0000	19.4262
50	2,4-Dimethylphenol	107	4.370	4.370	(0.927)	203591	20.0000	18.5271
49	2-Nitrophenol	139	4.354	4.354	(0.924)	101140	20.0000	18.5406
53	Benzoic acid	122	4.413	4.413	(0.937)	91353	20.0000	16.8149(H)
52	Bis(2-chloroethoxy)methane	93	4.461	4.461	(0.947)	237762	20.0000	19.3365
54	2,4-Dichlorophenol	162	4.568	4.568	(0.969)	177206	20.0000	19.2196
56	n-Dodecane	43	4.659	4.659	(0.989)	154325	20.0000	18.7931
57	1,2,4-Trichlorobenzene	180	4.654	4.654	(0.988)	221916	20.0000	18.0362
59	Naphthalene	128	4.734	4.734	(1.005)	547189	20.0000	18.8208
60	4-Chloroaniline	127	4.782	4.782	(1.015)	241146	20.0000	19.2175
62	Hexachlorobutadiene	225	4.835	4.835	(1.026)	149856	20.0000	18.7912
67	Caprolactam	55	5.097	5.097	(1.082)	65022	20.0000	19.6177
68	4-Chloro-3-methylphenol	107	5.236	5.236	(1.111)	166041	20.0000	18.9673
71	2-Methylnaphthalene	142	5.396	5.396	(1.145)	381486	20.0000	19.0022
72	1-Methylnaphthalene	142	5.492	5.492	(1.165)	344121	20.0000	18.1721
74	Hexachlorocyclopentadiene	237	5.540	5.540	(0.866)	163181	20.0000	17.4774
78	2,4,6-Trichlorophenol	196	5.669	5.669	(0.886)	144302	20.0000	17.9112
79	2,3-Dichlorobenzeneamine	161	5.679	5.679	(0.888)	221276	20.0000	18.5304
80	2,4,5-Trichlorophenol	196	5.701	5.701	(0.891)	146351	20.0000	18.3434
83	Tetradecane	43	5.802	5.802	(0.907)	162937	20.0000	19.3967
86	2-Chloronaphthalene	162	5.872	5.872	(0.918)	385882	20.0000	18.4079
88	2-Nitroaniline	65	5.978	5.978	(0.935)	126904	20.0000	18.4070
91	Dimethyl phthalate	163	6.133	6.133	(0.959)	447639	20.0000	18.7831
93	2,6-Dinitrotoluene	165	6.203	6.203	(0.970)	99698	20.0000	18.5100
94	Acenaphthylene	152	6.267	6.267	(0.980)	580498	20.0000	18.2368
95	3-Nitroaniline	138	6.363	6.363	(0.995)	102757	20.0000	18.7294
97	Acenaphthene	153	6.427	6.427	(1.005)	376435	20.0000	18.4383
98	2,4-Dinitrophenol	184	6.459	6.459	(1.010)	51427	20.0000	22.4879
99	4-Nitrophenol	109	6.507	6.507	(1.018)	104099	20.0000	18.9737
101	2,4-Dinitrotoluene	165	6.577	6.577	(1.028)	130512	20.0000	21.1231
102	Dibenzofuran	168	6.582	6.582	(1.029)	560204	20.0000	18.0892
105	Hexadecane	57	6.758	6.758	(1.057)	192175	20.0000	19.4512
107	Diethyl phthalate	149	6.774	6.774	(1.059)	454957	20.0000	18.4787
109	4-Chlorophenyl phenyl ether	204	6.887	6.887	(1.077)	236360	20.0000	17.5054
110	Fluorene	166	6.897	6.897	(1.079)	459412	20.0000	17.8880
112	4-Nitroaniline	138	6.924	6.924	(1.083)	98083	20.0000	18.8014
113	4,6-Dinitro-2-methylphenol	198	6.940	6.940	(0.898)	83712	20.0000	16.8277
115	N-nitrosodiphenylamine	169	6.999	6.999	(0.905)	386781	20.0000	17.9182
116	Azobenzene	77	7.031	7.031	(1.099)	615828	20.0000	19.6140

EPAPAV0011929

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.031	7.031	(1.099)	615828	20.2195	19.8292
242	2,4,6 - Tribromophenol	330	7.116	7.116	(1.113)	107856	30.0000	29.8905
124	4-Bromophenyl phenyl ether	248	7.325	7.325	(0.947)	142742	20.0000	17.6901
125	Hexachlorobenzene	284	7.383	7.383	(0.955)	158694	20.0000	17.3748
127	Atrazine	200	7.458	7.458	(0.965)	133556	20.0000	18.2761
128	n-Octadecane	85	7.570	7.570	(0.979)	114085	20.0000	18.4244
129	Pentachlorophenol	266	7.554	7.554	(0.977)	99639	20.0000	22.8329
136	Phenanthrene	178	7.747	7.747	(1.002)	663048	20.0000	18.6050
137	Anthracene	178	7.789	7.789	(1.008)	675006	20.0000	18.3961
140	Carbazole	167	7.934	7.934	(1.026)	604466	20.0000	18.3410
141	Alachlor	188	8.024	8.024	(1.038)	90858	20.0000	17.6257
143	Di-n-butyl phthalate	149	8.195	8.195	(1.060)	731490	20.0000	18.9671
144	n-Eicosane	43	8.281	8.281	(1.071)	168188	20.0000	18.9583
149	Fluoranthene	202	8.772	8.772	(1.135)	754905	20.0000	18.5142
150	n-docosane	43	8.927	8.927	(1.155)	156950	20.0000	18.0752
151	Benzidine	184	8.890	8.890	(0.886)	491364	20.0000	20.1519
152	Pyrene	202	8.975	8.975	(0.895)	808979	20.0000	20.0362
158	Famphur	218	9.451	9.451	(0.942)	337230	20.0000	21.8154
159	Butyl benzyl phthalate	149	9.488	9.488	(0.946)	333766	20.0000	19.7786
162	Bis(2-ethylhexyl) phthalate	149	9.964	9.964	(0.993)	428420	20.0000	19.8099
164	3 3'-Dichlorobenzidine	252	9.996	9.996	(0.996)	289584	20.0000	19.0564
165	Benzo(a)anthracene	228	10.022	10.022	(0.999)	813771	20.0000	19.6729
167	Chrysene	228	10.060	10.060	(1.003)	708238	20.0000	19.3910
168	Di-n-octyl phthalate	149	10.535	10.535	(1.050)	663944	20.0000	19.3597
171	Benzo(b)fluoranthene	252	10.979	10.979	(0.970)	770592	20.0000	18.0330
172	Benzo(k)fluoranthene	252	11.000	11.000	(0.972)	756352	20.0000	16.5796(H)
178	Benzo(a)pyrene	252	11.262	11.262	(0.995)	670722	20.0000	17.1358
185	Dibenz(a,h)anthracene	278	12.202	12.202	(1.078)	627966	20.0000	19.5061
186	Indeno(1,2,3-cd)pyrene	276	12.202	12.202	(1.216)	791453	20.0000	18.0770
188	Benzo(g,h,i)perylene	276	12.458	12.458	(1.101)	636764	20.0000	17.5636(H)

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: D0524.D

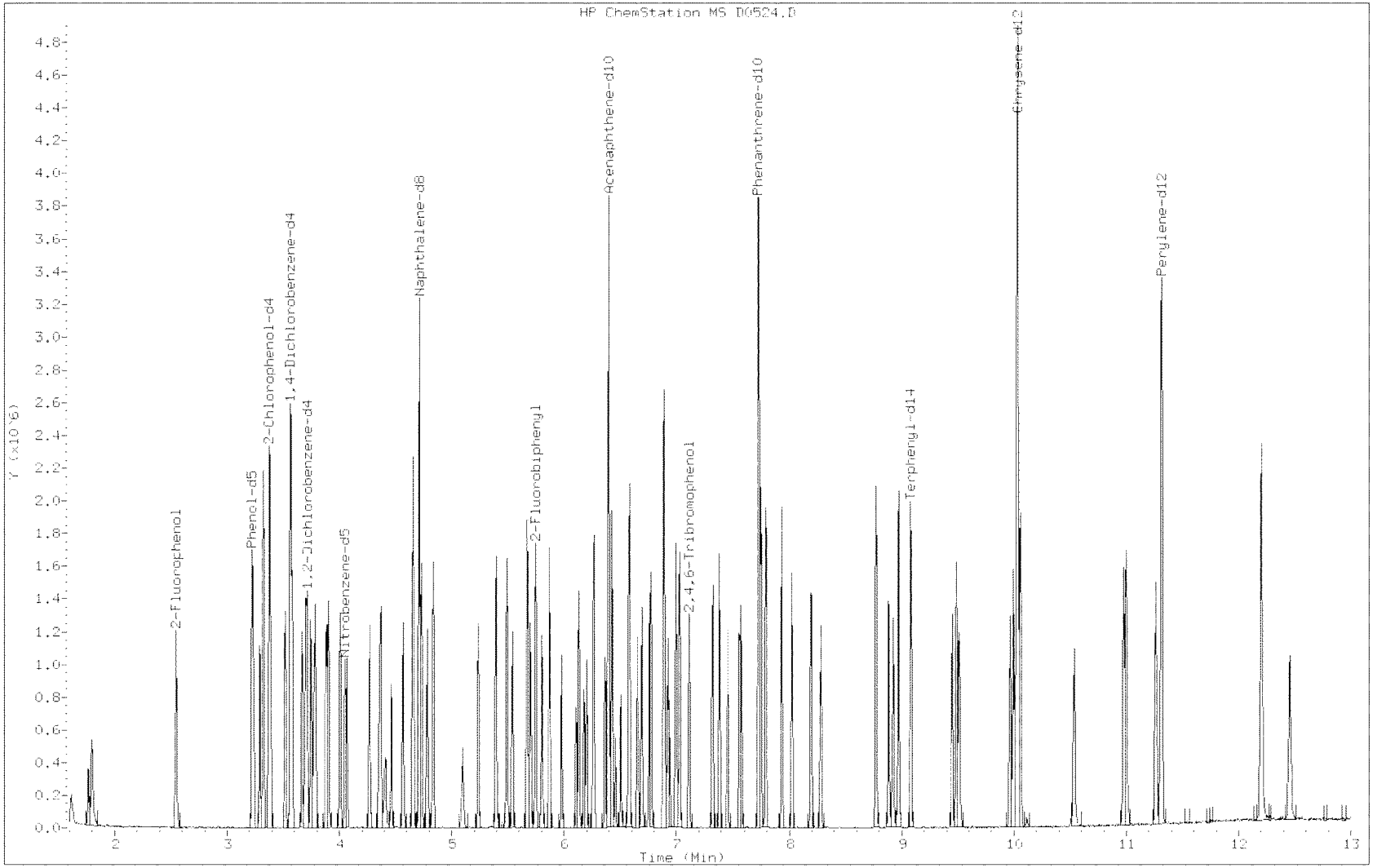
Date: 02-MAY-2012 11:38

Client ID:

Instrument: D.i

Sample Info: IC-1394546,,HSL020

Operator: hoffmanm



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BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0525.D
Lab Smp Id: IC-1394547
Inj Date : 02-MAY-2012 11:57
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394547,,HSL010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 11:38 Cal File: D0524.D
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.566	3.566	(1.000)	293779	40.0000	
* 58 Naphthalene-d8	136	4.715	4.715	(1.000)	1094430	40.0000	
* 96 Acenaphthene-d10	164	6.398	6.398	(1.000)	731035	40.0000	
* 135 Phenanthrene-d10	188	7.728	7.728	(1.000)	1296799	40.0000	
* 166 Chrysene-d12	240	10.036	10.036	(1.000)	1525977	40.0000	
* 179 Perylene-d12	264	11.307	11.307	(1.000)	1343686	40.0000	
$ 22 2-Chlorophenol-d4	132	3.374	3.374	(0.946)	150935	15.0000	13.6411
$ 29 1,2-Dichlorobenzene-d4	152	3.700	3.700	(1.037)	74263	10.0000	9.58389(a)
$ 8 2-Fluorophenol	112	2.546	2.546	(0.714)	150682	15.0000	15.0048
$ 15 Phenol-d5	99	3.224	3.224	(0.904)	187154	15.0000	14.5437
$ 43 Nitrobenzene-d5	82	4.052	4.052	(0.860)	142526	10.0000	10.0055
$ 81 2-Fluorobiphenyl	172	5.746	5.746	(0.898)	225301	10.0000	9.45466(a)
$ 118 2,4,6-Tribromophenol	330	7.113	7.113	(1.112)	52538	15.0000	17.0880
$ 154 Terphenyl-d14	244	9.085	9.085	(0.905)	268562	10.0000	9.52088(a)
4 1,4-Dioxane	88	1.616	1.616	(0.453)	50898	10.0000	11.2737
5 N-Nitrosodimethylamine	74	1.766	1.766	(0.495)	76045	10.0000	10.5341
6 Pyridine	79	1.798	1.798	(0.504)	130487	10.0000	10.8058
16 Phenol	94	3.235	3.235	(0.907)	129512	10.0000	9.91122(a)
18 Aniline	93	3.294	3.294	(0.924)	173891	10.0000	10.2895
19 Methyl Styrene	118	3.320	3.320	(0.931)	109427	10.0000	9.66791(a)
20 Bis(2-chloroethyl) ether	93	3.326	3.326	(0.933)	109012	10.0000	10.0740
21 Decane	43	3.379	3.379	(0.948)	80780	10.0000	10.0310

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.390	3.390	(0.951)	105284	10.0000	9.56587(a)
25	1,3-Dichlorobenzene	146	3.518	3.518	(0.987)	119849	10.0000	9.67427
27	1,4-Dichlorobenzene	146	3.582	3.582	(1.004)	125769	10.0000	9.95094
28	Benzyl alcohol	108	3.668	3.668	(1.028)	66317	10.0000	9.79090(a)
30	1,2-Dichlorobenzene	146	3.716	3.716	(1.042)	123756	10.0000	10.3549
32	2-Methylphenol	108	3.748	3.748	(1.051)	95584	10.0000	10.0480
34	2,2'-oxybis(1-chloropropane)	45	3.775	3.775	(1.058)	94791	10.0000	10.1428
35	1H-Indene	116	3.785	3.785	(1.061)	150312	10.0000	9.51942(a)
138	3-Methylphenol	108	3.881	3.881	(1.088)	94489	10.0000	9.48081(a)
36	4-Methylphenol	108	3.881	3.881	(1.088)	94489	10.0000	9.48081(a)
139	3 & 4-Methylphenol	108	3.881	3.881	(1.088)	94489	10.0000	9.48081(a)
37	N-nitrosodi-n-propylamine	70	3.892	3.892	(1.091)	90297	10.0000	9.93900(a)
38	Acetophenone	105	3.908	3.908	(1.096)	150143	10.0000	9.98699(a)
41	Hexachloroethane	117	4.004	4.004	(1.123)	54205	10.0000	9.44864
44	Nitrobenzene	77	4.068	4.068	(0.863)	145991	10.0000	10.2948
47	Isophorone	82	4.271	4.271	(0.906)	214016	10.0000	9.70430(a)
50	2,4-Dimethylphenol	107	4.368	4.368	(0.926)	106738	10.0000	9.51483(a)
49	2-Nitrophenol	139	4.357	4.357	(0.924)	52684	10.0000	9.46045(a)
53	Benzoic acid	122	4.400	4.400	(0.933)	46032	10.0000	8.29972(aH)
52	Bis(2-chloroethoxy)methane	93	4.464	4.464	(0.947)	124346	10.0000	9.90606(a)
54	2,4-Dichlorophenol	162	4.565	4.565	(0.968)	84829	10.0000	9.01247(a)
56	n-Dodecane	43	4.661	4.661	(0.989)	78917	10.0000	9.41383(a)
57	1,2,4-Trichlorobenzene	180	4.656	4.656	(0.988)	117154	10.0000	9.32707
59	Naphthalene	128	4.731	4.731	(1.003)	291703	10.0000	9.82820
60	4-Chloroaniline	127	4.784	4.784	(1.015)	123583	10.0000	9.64736(a)
62	Hexachlorobutadiene	225	4.838	4.838	(1.026)	76527	10.0000	9.39999(a)
67	Caprolactam	55	5.094	5.094	(1.080)	31467	10.0000	9.29986(aH)
68	4-Chloro-3-methylphenol	107	5.233	5.233	(1.110)	81567	10.0000	9.12721(a)
71	2-Methylnaphthalene	142	5.393	5.393	(1.144)	193502	10.0000	9.44154
72	1-Methylnaphthalene	142	5.495	5.495	(1.165)	181032	10.0000	9.36443
74	Hexachlorocyclopentadiene	237	5.543	5.543	(0.866)	85992	10.0000	9.25388(a)
78	2,4,6-Trichlorophenol	196	5.671	5.671	(0.886)	73790	10.0000	9.20257(a)
79	2,3-Dichlorobenzeneamine	161	5.676	5.676	(0.887)	110281	10.0000	9.27921(a)
80	2,4,5-Trichlorophenol	196	5.703	5.703	(0.891)	73596	10.0000	9.26823(a)
83	Tetradecane	43	5.805	5.805	(0.907)	87097	10.0000	10.4177
86	2-Chloronaphthalene	162	5.869	5.869	(0.917)	199402	10.0000	9.55740
88	2-Nitroaniline	65	5.976	5.976	(0.934)	64323	10.0000	9.37419(a)
91	Dimethyl phthalate	163	6.130	6.130	(0.958)	237480	10.0000	10.0121
93	2,6-Dinitrotoluene	165	6.200	6.200	(0.969)	47769	10.0000	8.91100(a)
94	Acenaphthylene	152	6.264	6.264	(0.979)	296183	10.0000	9.34904
95	3-Nitroaniline	138	6.366	6.366	(0.995)	51337	10.0000	9.40163(a)
97	Acenaphthene	153	6.424	6.424	(1.004)	192274	10.0000	9.46259
98	2,4-Dinitrophenol	184	6.456	6.456	(1.009)	22036	10.0000	15.6471
99	4-Nitrophenol	109	6.504	6.504	(1.017)	50432	10.0000	9.23574(a)
101	2,4-Dinitrotoluene	165	6.574	6.574	(1.028)	64895	10.0000	12.5314
102	Dibenzofuran	168	6.585	6.585	(1.029)	288666	10.0000	9.36544
105	Hexadecane	57	6.761	6.761	(1.057)	98266	10.0000	9.99339(a)
107	Diethyl phthalate	149	6.777	6.777	(1.059)	235953	10.0000	9.62912
109	4-Chlorophenyl phenyl ether	204	6.889	6.889	(1.077)	118934	10.0000	8.85044(a)
110	Fluorene	166	6.894	6.894	(1.078)	232420	10.0000	9.09270
112	4-Nitroaniline	138	6.926	6.926	(1.083)	48149	10.0000	9.27348(a)
113	4,6-Dinitro-2-methylphenol	198	6.942	6.942	(0.898)	35581	10.0000	7.13761(a)
115	N-nitrosodiphenylamine	169	6.996	6.996	(0.905)	200976	10.0000	9.29119(a)
116	Azobenzene	77	7.028	7.028	(1.099)	309290	10.0000	9.89764

EPAPAV0011933

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.028	7.028	(1.099)	309290	10.1098	10.0063
242	2,4,6 - Tribromophenol	330	7.113	7.113	(1.112)	52538	15.0000	17.0880
124	4-Bromophenyl phenyl ether	248	7.322	7.322	(0.947)	74004	10.0000	9.15232(a)
125	Hexachlorobenzene	284	7.386	7.386	(0.956)	81658	10.0000	8.92188(a)
127	Atrazine	200	7.455	7.455	(0.965)	67872	10.0000	9.26847(a)
128	n-Octadecane	85	7.573	7.573	(0.980)	56573	10.0000	9.11741(a)
129	Pentachlorophenol	266	7.557	7.557	(0.978)	44095	10.0000	14.5435
136	Phenanthrene	178	7.749	7.749	(1.003)	336110	10.0000	9.41162
137	Anthracene	178	7.792	7.792	(1.008)	340160	10.0000	9.25124
140	Carbazole	167	7.936	7.936	(1.027)	311733	10.0000	9.43914
141	Alachlor	188	8.022	8.022	(1.038)	43006	10.0000	8.32552(a)
143	Di-n-butyl phthalate	149	8.193	8.193	(1.060)	362041	10.0000	9.36803
144	n-Eicosane	43	8.283	8.283	(1.072)	81407	10.0000	9.15721(a)
149	Fluoranthene	202	8.775	8.775	(1.135)	380699	10.0000	9.31732
150	n-docosane	43	8.924	8.924	(1.155)	81914	10.0000	9.41409(a)
152	Pyrene	202	8.972	8.972	(0.894)	420702	10.0000	10.3100
158	Famphur	218	9.453	9.453	(0.942)	157017	10.0000	10.0505
159	Butyl benzyl phthalate	149	9.491	9.491	(0.946)	167659	10.0000	9.83071
162	Bis(2-ethylhexyl) phthalate	149	9.966	9.966	(0.993)	200363	10.0000	9.16716
164	3 3'-Dichlorobenzidine	252	9.993	9.993	(0.996)	138608	10.0000	9.02526(a)
165	Benzo(a)anthracene	228	10.025	10.025	(0.999)	406479	10.0000	9.72320
167	Chrysene	228	10.057	10.057	(1.002)	370879	10.0000	10.0475
168	Di-n-octyl phthalate	149	10.532	10.532	(1.050)	314283	10.0000	9.06760
171	Benzo(b)fluoranthene	252	10.970	10.970	(0.970)	389268	10.0000	9.36633
172	Benzo(k)fluoranthene	252	10.992	10.992	(0.972)	395652	10.0000	8.91750(H)
178	Benzo(a)pyrene	252	11.254	11.254	(0.995)	334383	10.0000	8.78385
185	Dibenz(a,h)anthracene	278	12.188	12.188	(1.078)	316419	10.0000	12.6094
186	Indeno(1,2,3-cd)pyrene	276	12.188	12.188	(1.215)	365736	10.0000	8.26559
188	Benzo(g,h,i)perylene	276	12.445	12.445	(1.101)	318775	10.0000	9.04060

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: D0525.D

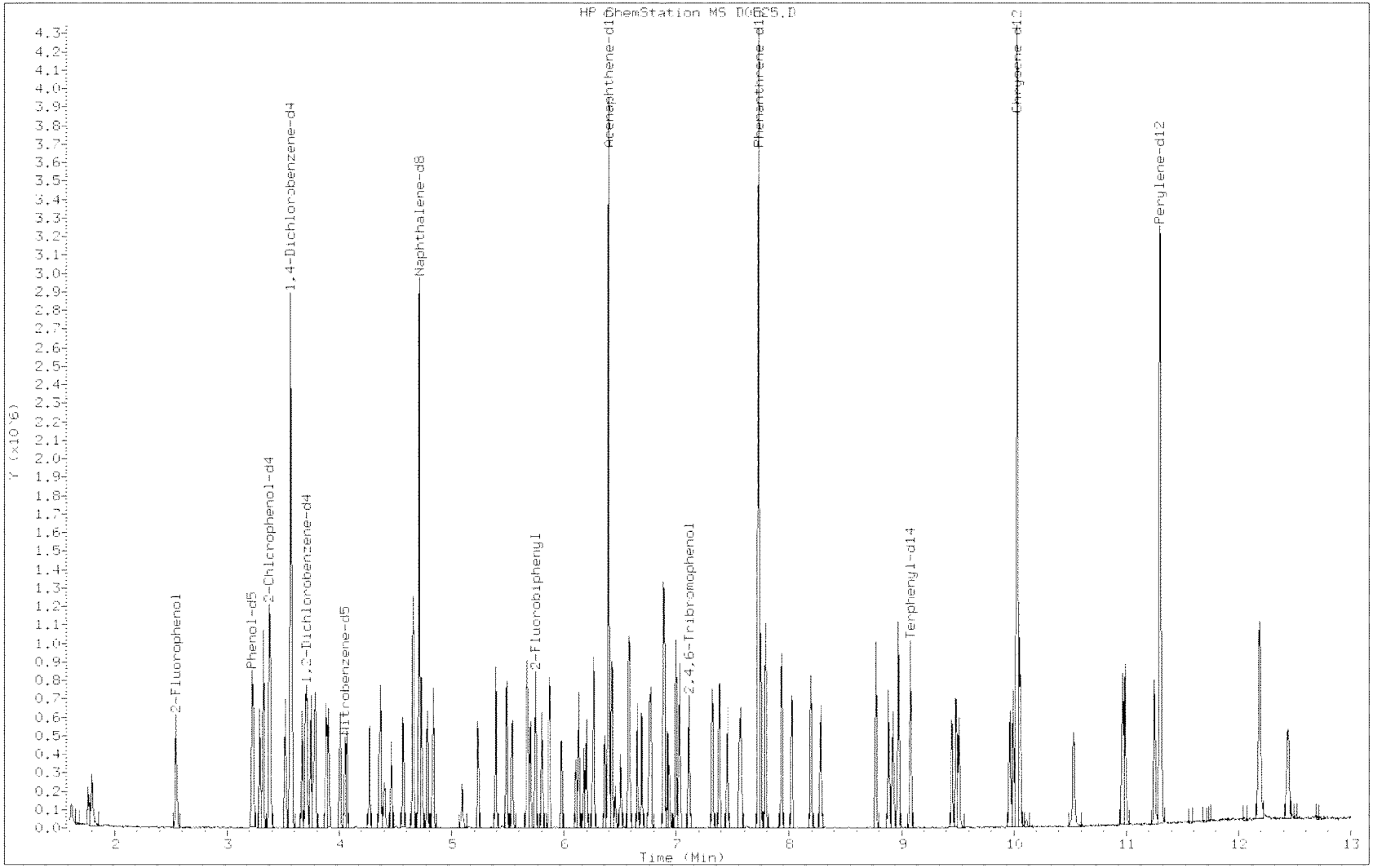
Date: 02-MAY-2012 11:57

Client ID:

Instrument: D.i

Sample Info: IC-1394547,,HSL010

Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0526.D
Lab Smp Id: IC-1394548
Inj Date : 02-MAY-2012 12:15
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1394548,,HSL004
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 11:57 Cal File: D0525.D
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.566	3.566	(1.000)	292174	40.0000	
* 58 Naphthalene-d8	136	4.715	4.715	(1.000)	1107108	40.0000	
* 96 Acenaphthene-d10	164	6.398	6.398	(1.000)	744170	40.0000	
* 135 Phenanthrene-d10	188	7.728	7.728	(1.000)	1324542	40.0000	
* 166 Chrysene-d12	240	10.036	10.036	(1.000)	1518095	40.0000	
* 179 Perylene-d12	264	11.307	11.307	(1.000)	1348381	40.0000	
$ 22 2-Chlorophenol-d4	132	3.374	3.374	(0.946)	65104	6.00000	5.91623(a)
$ 29 1,2-Dichlorobenzene-d4	152	3.700	3.700	(1.037)	32482	4.00000	4.21494(a)
$ 8 2-Fluorophenol	112	2.546	2.546	(0.714)	65725	6.00000	6.58078(a)
$ 15 Phenol-d5	99	3.225	3.225	(0.904)	79697	6.00000	6.22725(a)
$ 43 Nitrobenzene-d5	82	4.053	4.053	(0.860)	58832	4.00000	4.08280(a)
$ 81 2-Fluorobiphenyl	172	5.746	5.746	(0.898)	100527	4.00000	4.14411(a)
$ 118 2,4,6-Tribromophenol	330	7.114	7.114	(1.112)	21417	6.00000	9.62337(a)
$ 154 Terphenyl-d14	244	9.085	9.085	(0.905)	121158	4.00000	4.31751(a)
4 1,4-Dioxane	88	1.617	1.617	(0.453)	19218	4.00000	4.28009
5 N-Nitrosodimethylamine	74	1.766	1.766	(0.495)	34254	4.00000	4.77109(a)
6 Pyridine	79	1.798	1.798	(0.504)	53779	4.00000	4.47800(a)
16 Phenol	94	3.235	3.235	(0.907)	55008	4.00000	4.23275(a)
18 Aniline	93	3.294	3.294	(0.924)	69543	4.00000	4.13760(a)
20 Bis(2-chloroethyl) ether	93	3.326	3.326	(0.933)	48326	4.00000	4.49044(a)
21 Decane	43	3.385	3.385	(0.949)	34754	4.00000	4.33933(a)
23 2-Chlorophenol	128	3.390	3.390	(0.951)	44495	4.00000	4.06492(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
25	1,3-Dichlorobenzene	146	3.524	3.524	(0.988)	55271	4.00000	4.48601
27	1,4-Dichlorobenzene	146	3.582	3.582	(1.004)	54813	4.00000	4.36067
28	Benzyl alcohol	108	3.668	3.668	(1.028)	27470	4.00000	4.07789(a)
30	1,2-Dichlorobenzene	146	3.716	3.716	(1.042)	47805	4.00000	4.02191
32	2-Methylphenol	108	3.748	3.748	(1.051)	39837	4.00000	4.21074(a)
34	2,2'-oxybis(1-chloropropane)	45	3.775	3.775	(1.058)	41154	4.00000	4.42773(a)
35	1H-Indene	116	3.785	3.785	(1.061)	70078	4.00000	4.46249(a)
138	3-Methylphenol	108	3.882	3.882	(1.088)	38653	4.00000	3.89966(a)
36	4-Methylphenol	108	3.882	3.882	(1.088)	38653	4.00000	3.89966(a)
139	3 & 4-Methylphenol	108	3.882	3.882	(1.088)	38653	4.00000	3.89966(a)
37	N-nitrosodi-n-propylamine	70	3.892	3.892	(1.091)	38461	4.00000	4.25666(a)
38	Acetophenone	105	3.908	3.908	(1.096)	62232	4.00000	4.16220(a)
41	Hexachloroethane	117	4.010	4.010	(1.124)	24810	4.00000	4.34846(a)
44	Nitrobenzene	77	4.069	4.069	(0.863)	60669	4.00000	4.22919(a)
47	Isophorone	82	4.272	4.272	(0.906)	89784	4.00000	4.02453(a)
50	2,4-Dimethylphenol	107	4.368	4.368	(0.926)	46791	4.00000	4.12327(a)
49	2-Nitrophenol	139	4.357	4.357	(0.924)	22087	4.00000	3.92074(a)
52	Bis(2-chloroethoxy)methane	93	4.464	4.464	(0.947)	53231	4.00000	4.19210(a)
54	2,4-Dichlorophenol	162	4.565	4.565	(0.968)	37505	4.00000	3.93901(a)
56	n-Dodecane	43	4.662	4.662	(0.989)	35059	4.00000	4.13422(a)
57	1,2,4-Trichlorobenzene	180	4.656	4.656	(0.988)	47806	4.00000	3.76243(a)
59	Naphthalene	128	4.731	4.731	(1.003)	129328	4.00000	4.30748
60	4-Chloroaniline	127	4.784	4.784	(1.015)	52937	4.00000	4.08514(a)
62	Hexachlorobutadiene	225	4.838	4.838	(1.026)	33207	4.00000	4.03218(a)
68	4-Chloro-3-methylphenol	107	5.233	5.233	(1.110)	31849	4.00000	3.52304(a)
71	2-Methylnaphthalene	142	5.393	5.393	(1.144)	83085	4.00000	4.00754
72	1-Methylnaphthalene	142	5.495	5.495	(1.165)	78084	4.00000	3.99288(a)
74	Hexachlorocyclopentadiene	237	5.543	5.543	(0.866)	29325	4.00000	3.10006(a)
78	2,4,6-Trichlorophenol	196	5.671	5.671	(0.886)	28387	4.00000	3.47774(a)
79	2,3-Dichlorobenzeneamine	161	5.677	5.677	(0.887)	48814	4.00000	4.03479(a)
80	2,4,5-Trichlorophenol	196	5.703	5.703	(0.891)	28148	4.00000	3.48222(a)
83	Tetradecane	43	5.805	5.805	(0.907)	33482	4.00000	3.93410(a)
86	2-Chloronaphthalene	162	5.874	5.874	(0.918)	87497	4.00000	4.11974
88	2-Nitroaniline	65	5.981	5.981	(0.935)	22724	4.00000	3.25326(a)
91	Dimethyl phthalate	163	6.131	6.131	(0.958)	102698	4.00000	4.25331
93	2,6-Dinitrotoluene	165	6.205	6.205	(0.970)	21244	4.00000	3.89298(a)
94	Acenaphthylene	152	6.264	6.264	(0.979)	122456	4.00000	3.79711(a)
95	3-Nitroaniline	138	6.366	6.366	(0.995)	23358	4.00000	4.20218(a)
97	Acenaphthene	153	6.424	6.424	(1.004)	78987	4.00000	3.81866(a)
98	2,4-Dinitrophenol	184	6.462	6.462	(1.010)	7130	4.00000	12.1192
99	4-Nitrophenol	109	6.505	6.505	(1.017)	17205	4.00000	3.09518(a)
101	2,4-Dinitrotoluene	165	6.574	6.574	(1.028)	24521	4.00000	7.06458(a)
102	Dibenzofuran	168	6.585	6.585	(1.029)	125182	4.00000	3.98970(a)
105	Hexadecane	57	6.761	6.761	(1.057)	39537	4.00000	3.94984(a)
107	Diethyl phthalate	149	6.772	6.772	(1.058)	109448	4.00000	4.38768
109	4-Chlorophenyl phenyl ether	204	6.889	6.889	(1.077)	50901	4.00000	3.72092(a)
110	Fluorene	166	6.895	6.895	(1.078)	97626	4.00000	3.75190(a)
112	4-Nitroaniline	138	6.921	6.921	(1.082)	20982	4.00000	3.96980(a)
115	N-nitrosodiphenylamine	169	6.996	6.996	(0.905)	83153	4.00000	3.76367(a)
116	Azobenzene	77	7.028	7.028	(1.099)	133798	4.00000	4.20612
234	1,2-DPH(as Azobenzene)	77	7.028	7.028	(1.099)	133798	4.04390	4.25228
242	2,4,6 - Tribromophenol	330	7.114	7.114	(1.112)	21417	6.00000	9.62337(a)
124	4-Bromophenyl phenyl ether	248	7.322	7.322	(0.947)	29031	4.00000	3.51516(a)
125	Hexachlorobenzene	284	7.381	7.381	(0.955)	33062	4.00000	3.53666(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
127	Atrazine	200	7.455	7.455	(0.965)	29802	4.00000	3.98446(a)
128	n-Octadecane	85	7.568	7.568	(0.979)	21144	4.00000	3.33623(a)
129	Pentachlorophenol	266	7.557	7.557	(0.978)	14622	4.00000	10.0687
136	Phenanthrene	178	7.749	7.749	(1.003)	141977	4.00000	3.89231(a)
137	Anthracene	178	7.792	7.792	(1.008)	145029	4.00000	3.86170(a)
140	Carbazole	167	7.936	7.936	(1.027)	133646	4.00000	3.96198(a)
141	Alachlor	188	8.027	8.027	(1.039)	18328	4.00000	3.47379(a)
143	Di-n-butyl phthalate	149	8.193	8.193	(1.060)	141148	4.00000	3.57579(a)
144	n-Eicosane	43	8.284	8.284	(1.072)	33683	4.00000	3.70953(a)
149	Fluoranthene	202	8.775	8.775	(1.135)	154566	4.00000	3.70365(a)
150	n-docosane	43	8.925	8.925	(1.155)	31316	4.00000	3.52366(a)
152	Pyrene	202	8.973	8.973	(0.894)	176945	4.00000	4.35883
158	Famphur	218	9.453	9.453	(0.942)	60580	4.00000	3.89780(a)
159	Butyl benzyl phthalate	149	9.491	9.491	(0.946)	63881	4.00000	3.76512(a)
162	Bis(2-ethylhexyl) phthalate	149	9.966	9.966	(0.993)	71461	4.00000	3.28651(a)
164	3 3'-Dichlorobenzidine	252	9.998	9.998	(0.996)	58178	4.00000	3.80784(a)
165	Benzo(a)anthracene	228	10.025	10.025	(0.999)	180412	4.00000	4.33796
167	Chrysene	228	10.057	10.057	(1.002)	152729	4.00000	4.15908
168	Di-n-octyl phthalate	149	10.538	10.538	(1.050)	109847	4.00000	3.18573(aQ)
171	Benzo(b)fluoranthene	252	10.971	10.971	(0.970)	141192	4.00000	3.38545(a)
172	Benzo(k)fluoranthene	252	10.997	10.997	(0.973)	173365	4.00000	3.89382(aH)
178	Benzo(a)pyrene	252	11.259	11.259	(0.996)	136396	4.00000	3.57049(a)
185	Dibenz(a,h)anthracene	278	12.194	12.194	(1.078)	121880	4.00000	7.99573
186	Indeno(1,2,3-cd)pyrene	276	12.189	12.189	(1.215)	153205	4.00000	3.48039(a)
188	Benzo(g,h,i)perylene	276	12.445	12.445	(1.101)	132165	4.00000	3.73521(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0526.D

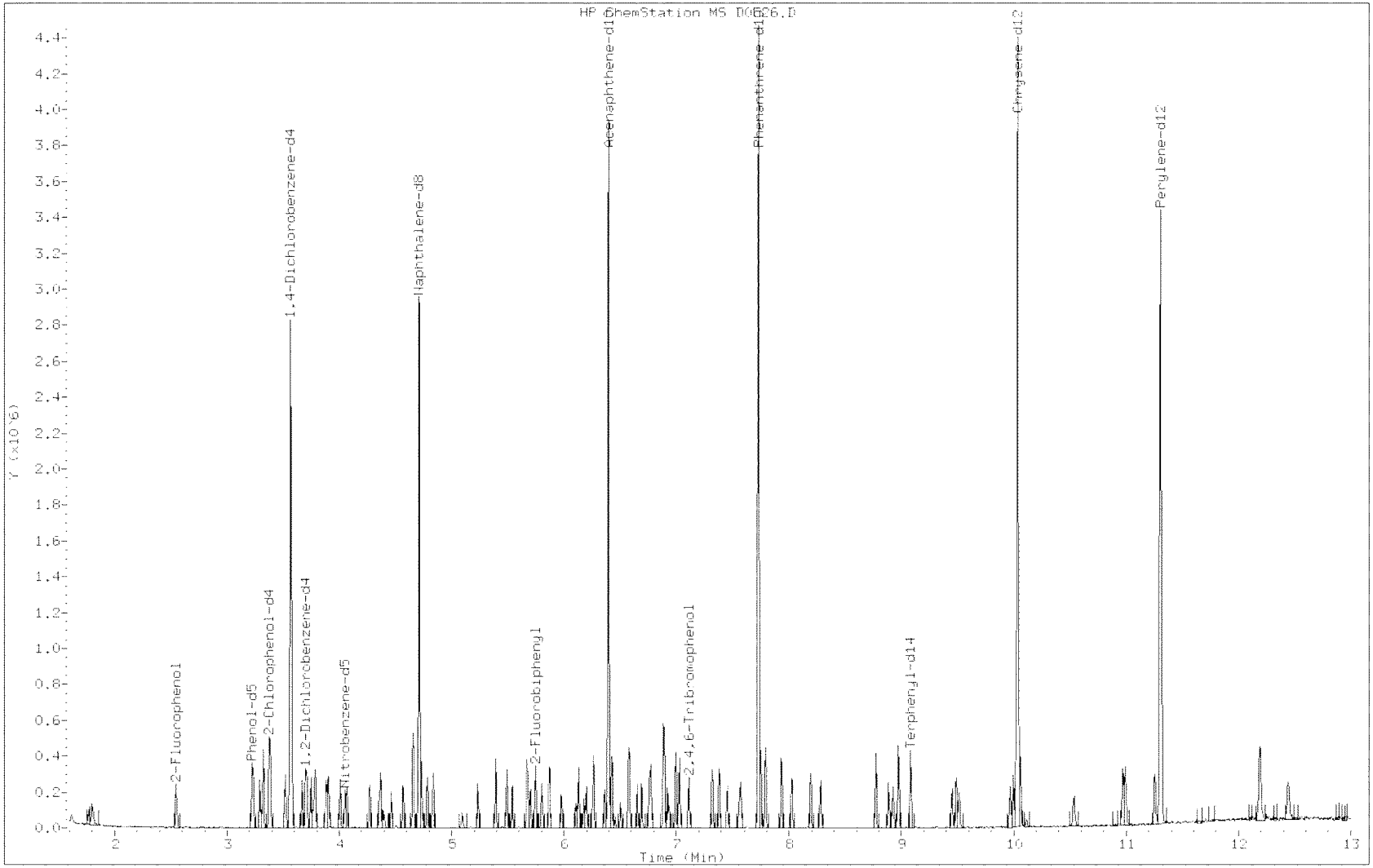
Date: 02-MAY-2012 12:15

Client ID:

Instrument: D.i

Sample Info: IC-1394548,,HSL004

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-117938/9 | Calibration Date: 05/02/2012 09:25

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0517.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.450	1.148		79200	100000	-20.8	50.0
N-Nitrosomethylethylamine	Ave	0.6551	0.6356		97000	100000	-3.0	50.0
Methyl methanesulfonate	Ave	0.4728	0.7839		166000	100000	65.8*	50.0
N-Nitrosodiethylamine	Ave	0.6605	0.6262		94800	100000	-5.2	50.0
Ethyl methanesulfonate	Ave	1.203	1.099		91400	100000	-8.6	50.0
Pentachloroethane	Ave	0.6038	0.5711		94600	100000	-5.4	50.0
N-Nitrosopyrrolidine	Ave	0.7714	0.7990		104000	100000	3.6	50.0
N-Nitrosomorpholine	Ave	0.2890	0.2843		98400	100000	-1.6	50.0
2-Toluidine	Ave	2.202	2.155		97900	100000	-2.1	50.0
N-Nitrosopiperidine	Ave	0.1777	0.1851		104000	100000	4.2	50.0
o,o',o''-Triethylphosphorothioate	Ave	0.2412	0.2349		97400	100000	-2.6	50.0
2,6-Dichlorophenol	Ave	0.3480	0.3970		114000	100000	14.1	35.0
Hexachloropropene	Ave	0.4204	0.4250		101000	100000	1.1	50.0
N-Nitrosodi-n-butylamine	Ave	0.2840	0.2858		101000	100000	0.6	50.0
p-Phenylenediamine	Ave	0.4607	0.3575		77600	100000	-22.4	55.0
Safrole, Total	Ave	0.3295	0.3125		94800	100000	-5.2	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4770	0.5018		105000	100000	5.2	50.0
1,1'-Biphenyl	Ave	1.437	1.395		97100	100000	-2.9	50.0
1-Chloronaphthalene	Ave	1.178	1.075		91200	100000	-8.8	35.0
1,4-Naphthoquinone	Ave	0.2629	0.3816		145000	100000	45.2	50.0
1,4-Dinitrobenzene	Ave	0.1950	0.2007		103000	100000	2.9	50.0
1,3-Dinitrobenzene	Ave	0.2175	0.2090		96100	100000	-3.9	50.0
Pentachlorobenzene	Ave	0.6286	0.6463		103000	100000	2.8	50.0
1-Naphthylamine	Ave	1.263	1.151		91200	100000	-8.8	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3905	0.4021		103000	100000	3.0	50.0
2-Naphthylamine	Ave	1.190	1.165		97900	100000	-2.1	50.0
Thionazin	Ave	0.3423	0.3473		101000	100000	1.5	50.0
5-Nitro-o-toluidine	Ave	0.3641	0.3663		101000	100000	0.6	50.0
Diphenylamine	Ave	1.208	1.182		97900	100000	-2.1	50.0
Sulfotepp	Ave	0.1637	0.1383		84500	100000	-15.5	50.0
Phenacetin	Ave	0.3836	0.3805		99200	100000	-0.8	50.0
Dimethoate	Ave	0.2066	0.2444		118000	100000	18.3	50.0
4-Aminobiphenyl	Ave	0.9323	1.147		123000	100000	23.0	50.0
Pentachloronitrobenzene	Lin2	0.1755	0.1910		100000	100000	0.5	50.0
2-sec-Butyl-4,6-dinitrophenol	Qua	0.2403	0.2625		107000	100000	7.3	50.0
Disulfoton	Ave	0.3701	0.3664		99000	100000	-1.0	50.0
Methyl parathion	Ave	0.2153	0.2526		117000	100000	17.3	50.0
Ethyl Parathion	Ave	0.1689	0.1801		107000	100000	6.6	50.0
4-Nitroquinoline-1-oxide	Lin2	0.1099	0.1272		108000	100000	8.4	50.0
Methapyrilene	Ave	0.3033	0.3386		112000	100000	11.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-117938/9 | Calibration Date: 05/02/2012 09:25

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0517.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isodrin	Ave	0.1581	0.1642		104000	100000	3.9	50.0
p-Dimethylamino azobenzene	Ave	0.3119	0.2961		94900	100000	-5.1	50.0
Ethyl 4,4'-Dichlorobenzilate	Lin1	0.3356	0.3060		82600	100000	-17.4	50.0
3,3'-Dimethylbenzidine	Ave	0.7249	0.6269		86500	100000	-13.5	50.0
2-Acetylaminofluorene	Ave	0.4299	0.3808		88600	100000	-11.4	50.0
7,12-Dimethylbenz(a)anthracene	Lin1	0.6701	0.6561		91200	100000	-8.8	50.0
3-Methylcholanthrene	Lin1	0.6945	0.6666		89600	100000	-10.4	50.0
Dibenz[a,j]acridine	Qua	0.8739	0.8966		97900	100000	-2.1	50.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0517.D
Lab Smp Id: ICV-1363814
Inj Date : 02-MAY-2012 09:25
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1363814,,AP9SSV1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:36 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 09:07 Cal File: D0516.D
Als bottle: 9 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9SSV1.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.568	3.568	(1.000)	331305	40.0000	
* 58 Naphthalene-d8	136	4.716	4.711	(1.000)	1175287	40.0000	(Q)
* 96 Acenaphthene-d10	164	6.399	6.394	(1.000)	805763	40.0000	
* 135 Phenanthrene-d10	188	7.729	7.730	(1.000)	1395252	40.0000	
* 166 Chrysene-d12	240	10.021	10.016	(1.000)	1854276	40.0000	
* 179 Perylene-d12	264	11.260	11.266	(1.000)	1468496	40.0000	
9 2-Picoline	93	2.200	2.206	(0.617)	950642	79.1592	79.1592(Q)
10 N-Nitrosomethylethylamine	88	2.264	2.259	(0.635)	526440	97.0198	97.0198(Q)
11 Methyl methanesulfonate	80	2.451	2.452	(0.687)	649236	165.804	165.804(QR)
12 N-Nitrosodiethylamine	102	2.729	2.724	(0.765)	518649	94.8025	94.8025(Q)
13 Ethyl methanesulfonate	79	2.937	2.932	(0.823)	910597	91.4026	91.4026(Q)
24 Pentachloroethane	117	3.338	3.338	(0.936)	473052	94.5937	94.5937(Q)
39 N-Nitrosopyrrolidine	100	3.904	3.894	(1.094)	661804	103.579	103.579(Q)
40 N-Nitrosomorpholine	116	3.936	3.926	(1.103)	235471	98.3618	98.3618(Q)
42 o-Toluidine	106	3.942	3.937	(1.105)	1785185	97.8868	97.8868(Q)
46 N-Nitrosopiperidine	114	4.209	4.204	(0.892)	543798	104.172	104.172(Q)
51 O,O,O-Triethyl phosphorothio	198	4.428	4.423	(0.939)	690167	97.3805	97.3805(Q)
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
61 2,6-Dichlorophenol	162	4.791	4.786	(1.016)	1166352	114.054	114.054(Q)
63 Hexachloropropene	213	4.813	4.813	(1.020)	1248661	101.086	101.086(Q)
64 N-Nitrosodi-n-butylamine	84	5.090	5.085	(1.079)	839676	100.624	100.624(Q)
66 p-Phenylenediamine	108	5.133	5.123	(1.088)	1050544	77.6142	77.6142(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
70	Safrole	162	5.304	5.304	(1.125)	918227	94.8333	94.8333(Q)
75	1,2,4,5-Tetrachlorobenzene	216	5.560	5.555	(1.179)	1474363	105.207	105.207(Q)
76	Isosafrole (#1)	162	5.592	5.593	(0.874)	137616	15.0927	15.0927(Q)
84	Isosafrole (#2)	104	5.811	5.812	(0.908)	593235	82.6128	82.6128(Q)
85	Biphenyl	154	5.849	5.849	(0.914)	2809949	97.0832	97.0832(Q)
87	1-Chloronaphthalene	162	5.897	5.892	(0.922)	2165575	91.2368	91.2368(Q)
89	1,4-Naphthoquinone	158	6.052	6.047	(0.946)	768684	145.169	145.169(Q)
90	1,4-Dinitrobenzene	168	6.116	6.111	(0.956)	404271	102.925	102.925(Q)
92	1,3-Dinitrobenzene	168	6.185	6.175	(0.967)	421051	96.0963	96.0963(Q)
100	Pentachlorobenzene	250	6.549	6.544	(1.023)	1301896	102.822	102.822(Q)
103	1-Naphthylamine	143	6.666	6.661	(1.042)	2318606	91.1685	91.1685(Q)
104	2,3,4,6-Tetrachlorophenol	232	6.698	6.693	(1.047)	809884	102.956	102.956(Q)
106	2-Naphthylamine	143	6.741	6.736	(1.053)	2347013	97.9168	97.9168(Q)
108	Thionazin	97	6.853	6.848	(1.071)	699614	101.457	101.457(Q)
111	5-Nitro-o-toluidine	152	6.923	6.912	(1.082)	737799	100.585	100.584(Q)
114	Diphenylamine	169	7.003	6.998	(1.094)	2382019	97.8967	97.8967(Q)
117	Sulfotepp	97	7.115	7.110	(0.921)	482511	84.5218	84.5218(Q)
119	Diallate (#1)	86	7.238	7.238	(0.936)	1041986	84.3427	84.3427(Q)
122	Phenacetin	108	7.281	7.265	(0.942)	1327328	99.2097	99.2097(Q)
123	Diallate (#2)	86	7.318	7.313	(0.947)	155397	26.3282	26.3282(Q)
126	Dimethoate	87	7.419	7.404	(0.960)	852379	118.259	118.259(Q)
130	4-Aminobiphenyl	169	7.564	7.559	(0.979)	4000361	123.011	123.011(Q)
131	Pentachloronitrobenzene	237	7.569	7.564	(0.979)	666278	100.494	100.494(Q)
133	Disulfoton	88	7.708	7.703	(0.997)	1278160	99.0043	99.0043(Q)
134	2-secbutyl-4,6-dinitropheno	211	7.708	7.703	(0.997)	915642	107.321	107.321(Q)
142	Methyl parathion	109	8.039	8.034	(1.040)	881101	117.304	117.304(Q)
145	Parathion	109	8.365	8.360	(1.082)	628207	106.629	106.629(Q)
146	4-Nitroquinoline-1-oxide	190	8.434	8.430	(1.091)	443651	108.367	108.367(Q)
147	Methapyrilene	97	8.467	8.456	(1.095)	1180941	111.615	111.615(Q)
148	Isodrin	193	8.637	8.638	(1.117)	572801	103.890	103.890(Q)
156	p-Dimethylaminoazobenzene	120	9.204	9.199	(0.918)	1372800	94.9489	94.9489(Q)
157	Chlorobenzilate	251	9.230	9.226	(0.921)	1418588	82.5834	82.5834(Q)
160	3,3'-Dimethylbenzidine	212	9.503	9.498	(0.948)	2906256	86.4867	86.4867(Q)
161	2-Acetylaminofluorene	181	9.727	9.717	(0.971)	1765302	88.5703	88.5702(Q)
M 173	Total Isosafrole	162				730851	97.7054	97.7054
M 174	Total Diallate	86				1197383	110.671	110.671
176	7,12-Dimethylbenz(a)anthrac	256	10.929	10.924	(0.971)	2408541	91.1859	91.1859(QH)
181	3-Methylcholanthrene	268	11.479	11.485	(1.019)	2447231	89.6435	89.6435(Q)
184	Dibenz(a,j)acridine	279	11.966	11.966	(1.063)	3291693	97.8891	97.8891(QH)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0517.D

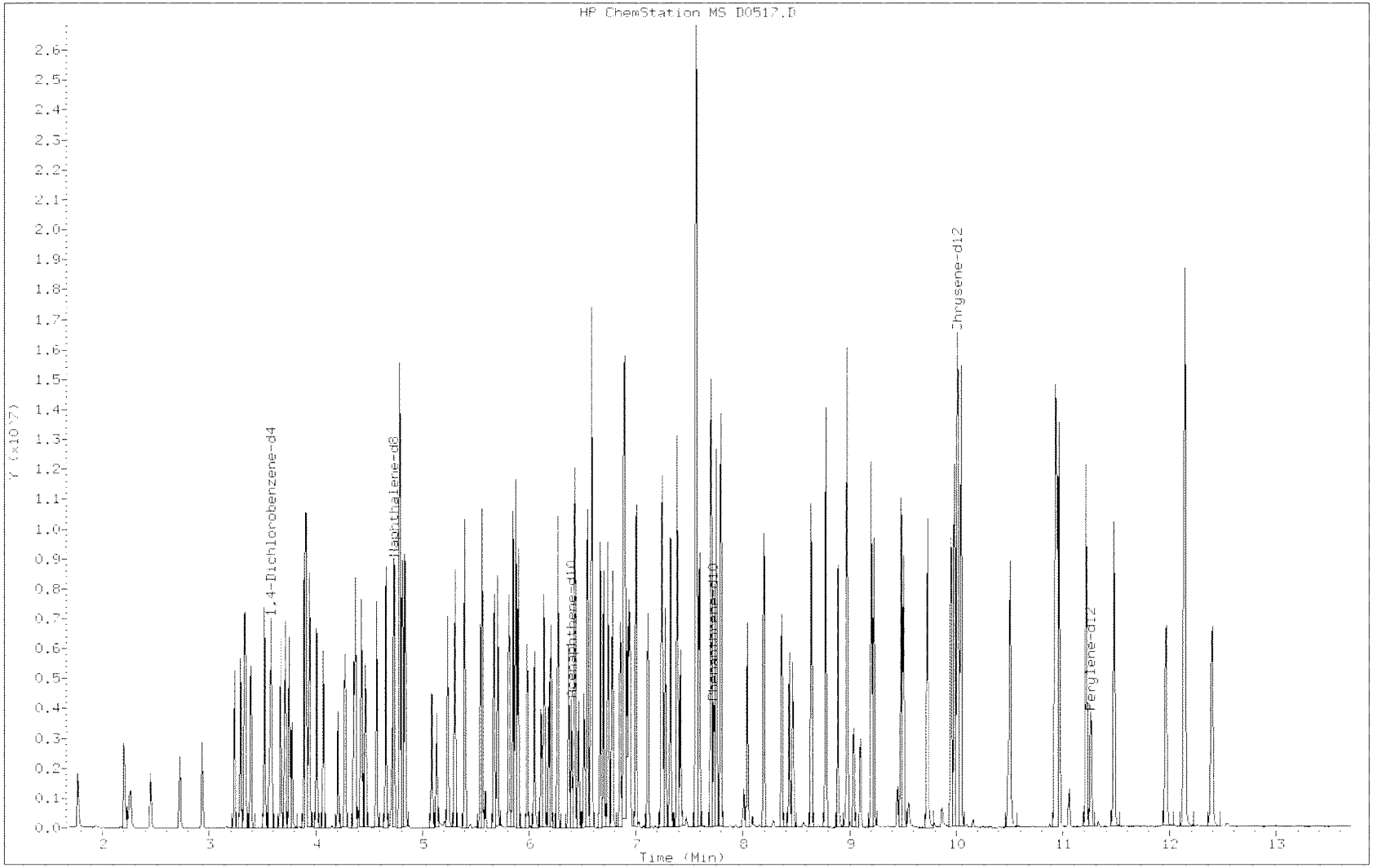
Date: 02-MAY-2012 09:25

Client ID:

Instrument: D.i

Sample Info: ICV-1363814,,AP9SSV1

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-117938/10 | Calibration Date: 05/02/2012 09:44

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0518.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a,a-Dimethylphenethylamine	Ave	0.7208	0.7882		109000	100000	9.3	50.0
1,3,5-Trinitrobenzene	Lin1	0.0977	0.1054		93000	100000	-7.0	50.0
Phorate	Ave	0.1396	0.1361		97400	100000	-2.6	50.0
Pronamide	Ave	0.3823	0.4059		106000	100000	6.2	50.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0518.D
Lab Smp Id: ICV-1314767
Inj Date : 02-MAY-2012 09:44
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1314767,,AP9SSV2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\8270C.m
Meth Date : 02-May-2012 12:36 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 09:07 Cal File: D0516.D
Als bottle: 10 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9SSV2.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	
* 26	1,4-Dichlorobenzene-d4	152	3.568	3.568	(1.000)	312871	40.0000		
* 58	Naphthalene-d8	136	4.712	4.711	(1.000)	1126001	40.0000		(Q)
* 96	Acenaphthene-d10	164	6.394	6.394	(1.000)	779684	40.0000		
* 135	Phenanthrene-d10	188	7.730	7.730	(1.000)	1405616	40.0000		
* 166	Chrysene-d12	240	10.006	10.016	(1.000)	1570202	40.0000		
* 179	Perylene-d12	264	11.240	11.266	(1.000)	1436432	40.0000		
55	a,a-Dimethylphenethylamine	58	4.653	4.535	(0.988)	2218687	109.344	109.344	(M)
120	1,3,5-Trinitrobenzene	213	7.244	7.238	(0.937)	370323	93.0430	93.0430	(Q)
121	Phorate	121	7.249	7.249	(0.938)	478117	97.4356	97.4356	(Q)
132	Pronamide	173	7.591	7.585	(0.982)	1426357	106.175	106.175	(Q)
153	Aramite (#1)	185	9.033	9.033	(0.903)	214090	64.9626	64.9626	(Q)
155	Aramite (#2)	185	9.098	9.097	(0.909)	267347	44.3986	44.3986	(Q)
M 175	Total Aramite	185				481437	109.361	109.361	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: D0518.D

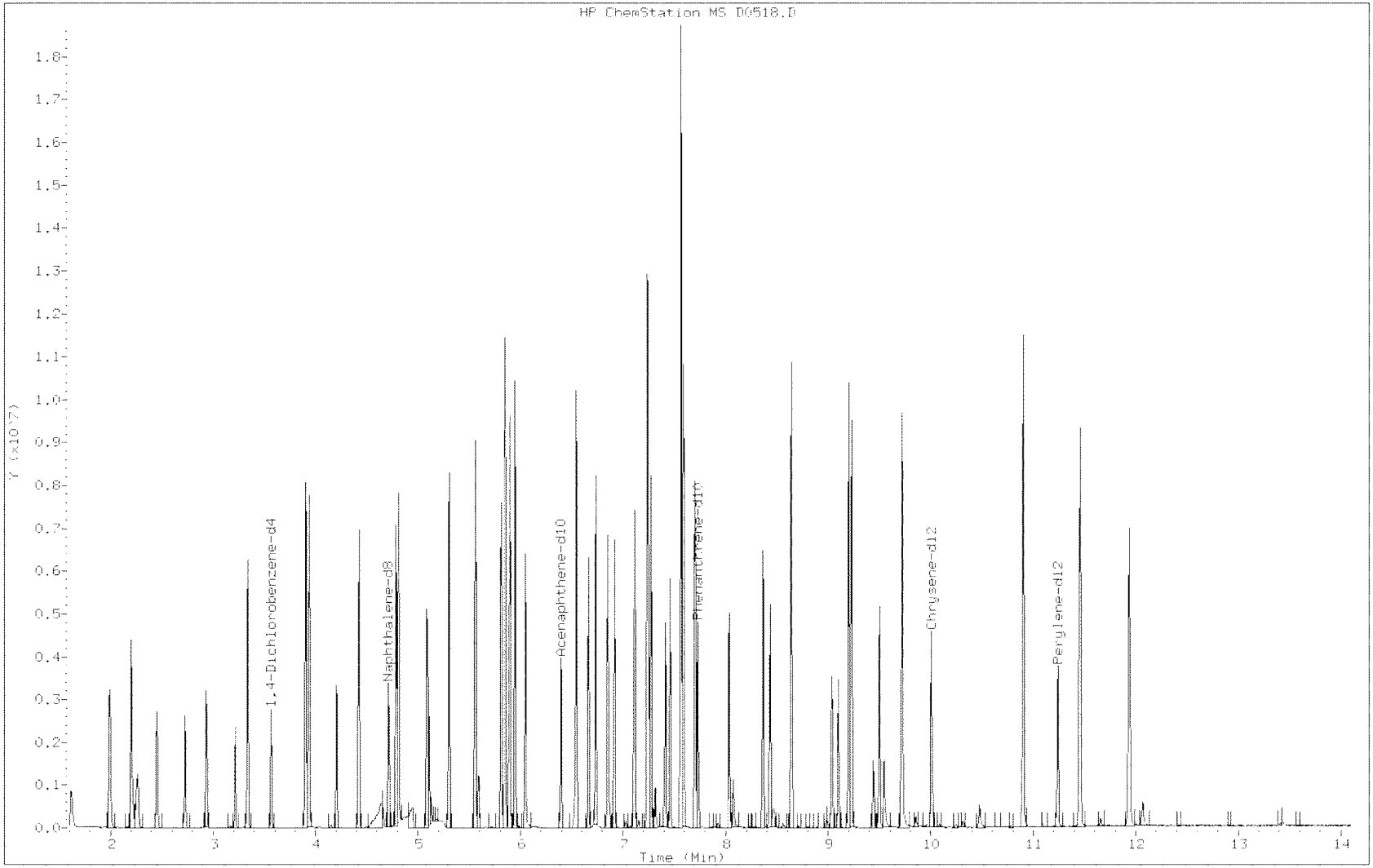
Date: 02-MAY-2012 09:44

Client ID:

Instrument: D.i

Sample Info: ICV-1314767,,AP9SSV2

Operator: hoffmanm



Manual Integration Report

Data File: D0518.D
Inj. Date and Time: 02-MAY-2012 09:44
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/03/2012

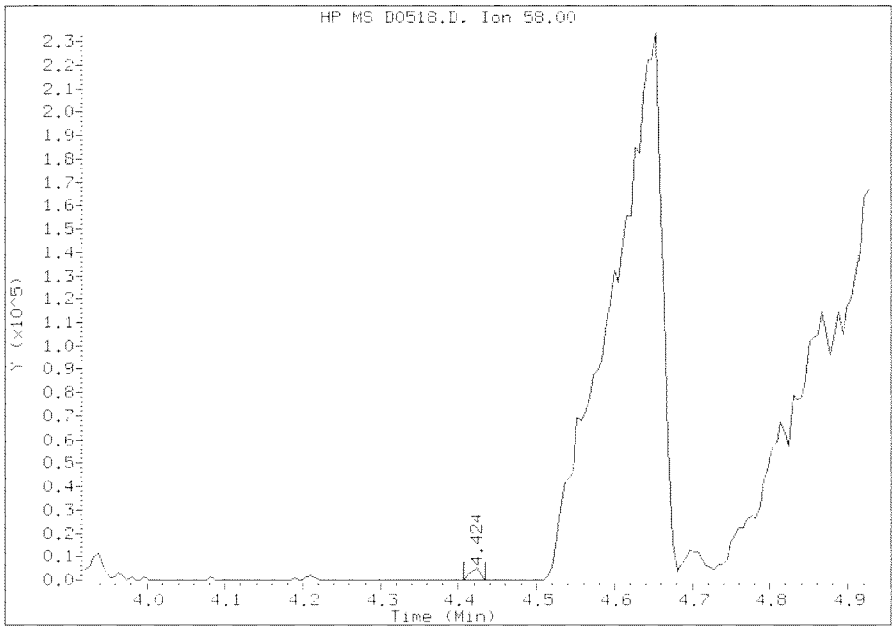
Processing Integration Results

RT: 4.42

Response: 4255

Amount: 0

Conc: 0



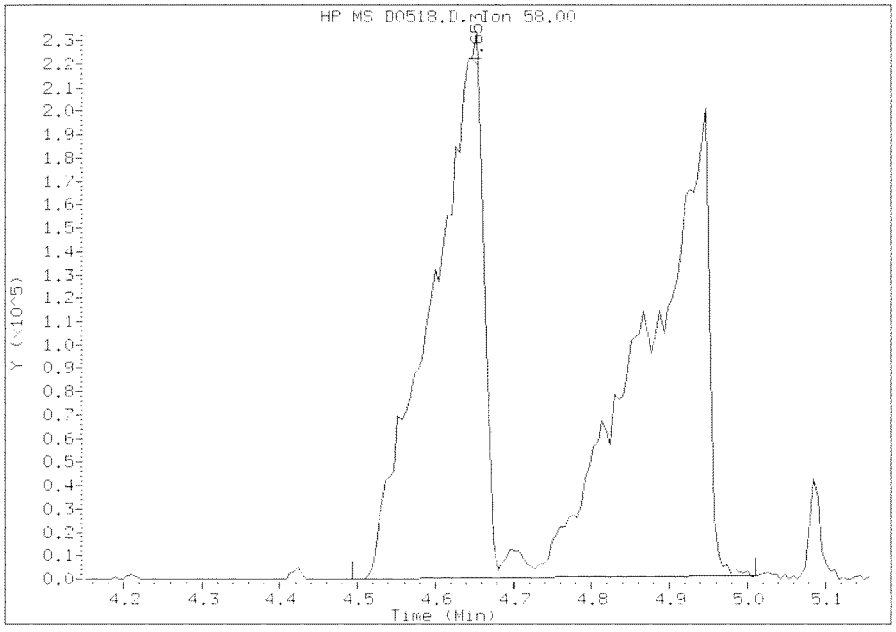
Manual Integration Results

RT: 4.65

Response: 2218687

Amount: 109

Conc: 109



Manually Integrated By: hoffmanm
Modification Date: 02-May-2012 10:31
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-118050/10 | Calibration Date: 05/02/2012 12:34

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0527.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6147	0.6266		81600	80000	1.9	35.0
N-Nitrosodimethylamine	Ave	0.9829	0.996		81100	80000	1.4	35.0
Pyridine	Ave	1.644	1.715		83400	80000	4.3	35.0
Phenol	Ave	1.779	1.869		84000	80000	5.1	35.0
Aniline	Ave	2.301	2.170		75400	80000	-5.7	35.0
Bis(2-chloroethyl)ether	Ave	1.473	1.507		81800	80000	2.3	35.0
n-Decane	Ave	1.096	1.105		80600	80000	0.7	35.0
2-Chlorophenol	Ave	1.499	1.484		79200	80000	-1.0	35.0
1,3-Dichlorobenzene	Ave	1.687	1.644		78000	80000	-2.5	35.0
1,4-Dichlorobenzene	Ave	1.721	1.709		79500	80000	-0.7	35.0
Benzyl alcohol	Ave	0.9222	0.9230		80100	80000	0.0	35.0
1,2-Dichlorobenzene	Ave	1.627	1.596		78500	80000	-1.9	35.0
2-Methylphenol	Ave	1.295	1.296		80000	80000	0.0	35.0
bis (2-chloroisopropyl) ether	Ave	1.272	1.289		81000	80000	1.3	35.0
Indene	Ave	2.150	2.039		75900	80000	-5.2	35.0
4-Methylphenol	Ave	1.357	1.353		79700	80000	-0.3	35.0
N-Nitrosodi-n-propylamine	Ave	1.237	1.242	0.0500	80300	80000	0.4	35.0
Acetophenone	Ave	2.047	2.016		78800	80000	-1.5	35.0
Hexachloroethane	Ave	0.7811	0.7753		79400	80000	-0.7	35.0
Nitrobenzene	Ave	0.5183	0.5293		81700	80000	2.1	35.0
Isophorone	Ave	0.8060	0.8289		82300	80000	2.8	35.0
2-Nitrophenol	Ave	0.2035	0.2104		82700	80000	3.4	35.0
2,4-Dimethylphenol	Ave	0.4100	0.4215		82200	80000	2.8	35.0
Benzoic acid	Ave	0.2027	0.2142		84500	80000	5.7	35.0
Bis(2-chloroethoxy)methane	Ave	0.4588	0.4649		81100	80000	1.3	35.0
2,4-Dichlorophenol	Ave	0.3440	0.3565		82900	80000	3.6	35.0
1,2,4-Trichlorobenzene	Ave	0.4591	0.4438		77300	80000	-3.3	35.0
Naphthalene	Ave	1.085	1.097		80900	80000	1.1	35.0
4-Chloroaniline	Ave	0.4682	0.4761		81400	80000	1.7	35.0
Hexachlorobutadiene	Ave	0.2975	0.2978		80100	80000	0.0	35.0
Caprolactam	Ave	0.1237	0.1266		81900	80000	2.4	35.0
4-Chloro-3-methylphenol	Ave	0.3266	0.3433		84100	80000	5.1	35.0
2-Methylnaphthalene	Ave	0.7491	0.7527		80400	80000	0.5	35.0
1-Methylnaphthalene	Ave	0.7066	0.7161		81100	80000	1.3	35.0
Hexachlorocyclopentadiene	Ave	0.5085	0.5298	0.0500	83400	80000	4.2	35.0
2,4,6-Trichlorophenol	Ave	0.4387	0.4499		82000	80000	2.5	35.0
2,3-Dichlorobenzenamine	Ave	0.6503	0.6797		83600	80000	4.5	50.0
2,4,5-Trichlorophenol	Ave	0.4345	0.4428		81500	80000	1.9	35.0
2-Chloronaphthalene	Ave	1.142	1.148		80400	80000	0.6	35.0
2-Nitroaniline	Ave	0.3755	0.4019		85600	80000	7.0	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-118050/10 | Calibration Date: 05/02/2012 12:34

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0527.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.298	1.312		80900	80000	1.1	35.0
2,6-Dinitrotoluene	Ave	0.2933	0.2845		77600	80000	-3.0	35.0
Acenaphthylene	Ave	1.733	1.699		78400	80000	-2.0	35.0
3-Nitroaniline	Ave	0.2988	0.2925		78300	80000	-2.1	35.0
Acenaphthene	Ave	1.112	1.094		78800	80000	-1.6	35.0
2,4-Dinitrophenol	Lin1	0.1916	0.1840	0.0500	73600	80000	-8.0	35.0
4-Nitrophenol	Ave	0.2988	0.3048	0.0500	81600	80000	2.0	35.0
2,4-Dinitrotoluene	Qua	0.4172	0.4099		78900	80000	-1.3	35.0
Dibenzofuran	Ave	1.687	1.694		80300	80000	0.4	35.0
Diethyl phthalate	Ave	1.341	1.303		77800	80000	-2.8	35.0
4-Chlorophenyl phenyl ether	Ave	0.7353	0.7543		82100	80000	2.6	35.0
Fluorene	Ave	1.399	1.397		79900	80000	-0.1	35.0
4-Nitroaniline	Ave	0.2841	0.2975		83800	80000	4.7	35.0
4,6-Dinitro-2-methylphenol	Ave	0.1538	0.1514		78800	80000	-1.5	35.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.6672	0.6243		63900	68300	-6.4	35.0
1,2-Diphenylhydrazine	Ave	1.691	1.747		83600	80900	3.3	35.0
Azobenzene	Ave	1.710	1.767		82700	80000	3.3	35.0
4-Bromophenyl phenyl ether	Ave	0.2494	0.2469		79200	80000	-1.0	35.0
Hexachlorobenzene	Ave	0.2823	0.2776		78700	80000	-1.7	35.0
Atrazine	Ave	0.2259	0.2335		82700	80000	3.4	35.0
Pentachlorophenol	Qua	0.1989	0.1812		75000	80000	-6.3	35.0
Phenanthrene	Ave	1.102	1.145		83200	80000	3.9	35.0
Anthracene	Ave	1.134	1.171		82600	80000	3.3	35.0
Carbazole	Ave	1.019	1.007		79100	80000	-1.1	35.0
Alachlor	Ave	0.1593	0.1649		82800	80000	3.5	35.0
Di-n-butyl phthalate	Ave	1.192	1.253		84100	80000	5.1	35.0
Fluoranthene	Ave	1.260	1.326		84100	80000	5.2	35.0
Pyrene	Ave	1.070	1.096		82000	80000	2.5	35.0
Butyl benzyl phthalate	Ave	0.4470	0.4668		83500	80000	4.4	35.0
Bis(2-ethylhexyl) phthalate	Ave	0.5729	0.6175		86200	80000	7.8	35.0
Benzo[a]anthracene	Ave	1.096	1.120		81800	80000	2.2	35.0
Chrysene	Ave	0.9676	1.058		87500	80000	9.4	35.0
Di-n-octyl phthalate	Ave	0.9085	1.015		89400	80000	11.7	35.0
Benzo[b]fluoranthene	Ave	1.237	1.195		77300	80000	-3.4	35.0
Benzo[k]fluoranthene	Ave	1.321	1.337		81000	80000	1.2	35.0
Benzo[a]pyrene	Ave	1.133	1.055		74500	80000	-6.9	35.0
Dibenz(a,h)anthracene	Qua	1.157	1.196		77000	80000	-3.8	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.160	1.172		80800	80000	1.0	35.0
Benzo[g,h,i]perylene	Ave	1.050	1.091		83200	80000	3.9	35.0
2-Fluorophenol	Ave	1.367	1.402		123000	120000	2.5	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-118050/10 | Calibration Date: 05/02/2012 12:34

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0527.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenol-d5	Ave	1.752	1.806		124000	120000	3.1	35.0
Nitrobenzene-d5	Ave	0.5206	0.5107		78500	80000	-1.9	35.0
2-Fluorobiphenyl	Ave	1.304	1.296		79500	80000	-0.6	35.0
2,4,6-Tribromophenol	Qua	0.2339	0.2283		115000	120000	-4.3	35.0
Terphenyl-d14	Ave	0.7394	0.6813		73700	80000	-7.9	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0527.D
Lab Smp Id: ICV-1394562
Inj Date : 02-MAY-2012 12:34
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1394562,,HSLSSV080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 12:15 Cal File: D0526.D
Als bottle: 19 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSLSSV.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.569	3.566	(1.000)	307168	40.0000	
* 58 Naphthalene-d8	136	4.712	4.715	(1.000)	1101147	40.0000	
* 96 Acenaphthene-d10	164	6.395	6.398	(1.000)	749827	40.0000	
* 135 Phenanthrene-d10	188	7.730	7.728	(1.000)	1307197	40.0000	
* 166 Chrysene-d12	240	10.043	10.036	(1.000)	1615805	40.0000	
* 179 Perylene-d12	264	11.315	11.307	(1.000)	1372620	40.0000	
$ 43 Nitrobenzene-d5	82	4.050	4.053	(0.859)	1124649	78.4705	78.4705(Q)
$ 81 2-Fluorobiphenyl	172	5.748	5.746	(0.899)	1943827	79.5275	79.5275(Q)
$ 154 Terphenyl-d14	244	9.087	9.085	(0.905)	2201525	73.7081	73.7081(Q)
$ 8 2-Fluorophenol	112	2.548	2.546	(0.714)	1291732	123.023	123.022(Q)
$ 15 Phenol-d5	99	3.227	3.225	(0.904)	1664268	123.693	123.692(Q)
$ 118 2,4,6-Tribromophenol	330	7.116	7.114	(1.113)	513454	114.821	114.821(Q)
6 Pyridine	79	1.795	1.798	(0.503)	1053315	83.4247	83.4247(Q)
5 N-Nitrosodimethylamine	74	1.768	1.766	(0.496)	612148	81.1015	81.1015(Q)
18 Aniline	93	3.296	3.294	(0.924)	1333110	75.4444	75.4444(Q)
16 Phenol	94	3.238	3.235	(0.907)	1148305	84.0464	84.0464(Q)
20 Bis(2-chloroethyl) ether	93	3.328	3.326	(0.933)	925952	81.8393	81.8393(Q)
23 2-Chlorophenol	128	3.387	3.390	(0.949)	911563	79.2125	79.2125(Q)
25 1,3-Dichlorobenzene	146	3.521	3.524	(0.987)	1009828	77.9608	77.9608(Q)
27 1,4-Dichlorobenzene	146	3.579	3.582	(1.003)	1050128	79.4653	79.4653(Q)
28 Benzyl alcohol	108	3.670	3.668	(1.028)	567000	80.0618	80.0618(Q)
30 1,2-Dichlorobenzene	146	3.713	3.716	(1.040)	980363	78.4534	78.4534(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
32	2-Methylphenol	108	3.750	3.748	(1.051)	795987	80.0283	80.0283 (Q)
35	1H-Indene	116	3.788	3.785	(1.061)	1252548	75.8675	75.8675 (Q)
34	2,2'-oxybis(1-chloropropane)	45	3.772	3.775	(1.057)	791917	81.0429	81.0428 (Q)
138	3-Methylphenol	108	3.884	3.882	(1.088)	830933	79.7397	79.7397 (Q)
36	4-Methylphenol	108	3.884	3.882	(1.088)	830933	79.7397	79.7397 (Q)
139	3 & 4-Methylphenol	108	3.884	3.882	(1.088)	830933	79.7397	79.7397 (Q)
37	N-nitrosodi-n-propylamine	70	3.895	3.892	(1.091)	763247	80.3488	80.3488 (Q)
38	Acetophenone	105	3.905	3.908	(1.094)	1238700	78.8026	78.8026 (Q)
41	Hexachloroethane	117	4.007	4.010	(1.123)	476285	79.4038	79.4038 (Q)
44	Nitrobenzene	77	4.071	4.069	(0.864)	1165555	81.6898	81.6898 (Q)
47	Isophorone	82	4.269	4.272	(0.906)	1825561	82.2729	82.2729 (Q)
49	2-Nitrophenol	139	4.359	4.357	(0.925)	463272	82.6821	82.6821 (Q)
50	2,4-Dimethylphenol	107	4.370	4.368	(0.927)	928250	82.2412	82.2412 (Q)
52	Bis(2-chloroethoxy)methane	93	4.466	4.464	(0.948)	1023921	81.0734	81.0734 (Q)
53	Benzoic acid	122	4.445	4.394	(0.943)	471636	84.5188	84.5188 (Q)
54	2,4-Dichlorophenol	162	4.568	4.565	(0.969)	785105	82.9030	82.9030 (Q)
57	1,2,4-Trichlorobenzene	180	4.653	4.656	(0.988)	977278	77.3302	77.3302 (Q)
59	Naphthalene	128	4.733	4.731	(1.005)	2415919	80.9018	80.9018 (Q)
60	4-Chloroaniline	127	4.787	4.784	(1.016)	1048527	81.3527	81.3527 (Q)
62	Hexachlorobutadiene	225	4.835	4.838	(1.026)	655848	80.0679	80.0679 (Q)
68	4-Chloro-3-methylphenol	107	5.241	5.233	(1.112)	756013	84.0805	84.0805 (Q)
71	2-Methylnaphthalene	142	5.396	5.393	(1.145)	1657633	80.3875	80.3875 (Q)
72	1-Methylnaphthalene	142	5.492	5.495	(1.166)	1577046	81.0799	81.0799 (Q)
74	Hexachlorocyclopentadiene	237	5.540	5.543	(0.866)	794446	83.3503	83.3503 (Q)
78	2,4,6-Trichlorophenol	196	5.674	5.671	(0.887)	674717	82.0372	82.0372 (Q)
80	2,4,5-Trichlorophenol	196	5.706	5.703	(0.892)	664066	81.5325	81.5325 (Q)
86	2-Chloronaphthalene	162	5.871	5.874	(0.918)	1721609	80.4492	80.4492 (Q)
88	2-Nitroaniline	65	5.983	5.981	(0.936)	602699	85.6337	85.6337 (Q)
91	Dimethyl phthalate	163	6.133	6.131	(0.959)	1968084	80.8946	80.8946 (Q)
93	2,6-Dinitrotoluene	165	6.202	6.205	(0.970)	426708	77.6047	77.6047 (Q)
94	Acenaphthylene	152	6.267	6.264	(0.980)	2547551	78.3983	78.3983 (Q)
95	3-Nitroaniline	138	6.368	6.366	(0.996)	438679	78.3243	78.3243 (Q)
97	Acenaphthene	153	6.427	6.424	(1.005)	1641309	78.7512	78.7512 (Q)
98	2,4-Dinitrophenol	184	6.459	6.462	(1.010)	275872	73.5981	73.5980 (Q)
99	4-Nitrophenol	109	6.512	6.505	(1.018)	457076	81.6077	81.6077 (Q)
101	2,4-Dinitrotoluene	165	6.576	6.574	(1.028)	614756	78.9304	78.9304 (Q)
102	Dibenzofuran	168	6.587	6.585	(1.030)	2540054	80.3439	80.3439 (Q)
107	Diethyl phthalate	149	6.779	6.772	(1.060)	1954494	77.7629	77.7629 (Q)
109	4-Chlorophenyl phenyl ether	204	6.886	6.889	(1.077)	1131131	82.0632	82.0632 (Q)
110	Fluorene	166	6.897	6.895	(1.079)	2094723	79.8956	79.8956 (Q)
112	4-Nitroaniline	138	6.934	6.921	(1.084)	446210	83.7860	83.7860 (Q)
113	4,6-Dinitro-2-methylphenol	198	6.945	6.937	(0.898)	395862	78.7789	78.7789 (Q)
115	N-nitrosodiphenylamine	169	6.998	6.996	(0.905)	1393857	63.9259	63.9259 (Q)
116	Azobenzene	77	7.030	7.028	(1.099)	2649320	82.6566	82.6566 (Q)
234	1,2-DPH(as Azobenzene)	77	7.030	7.028	(1.099)	2649320	83.5637	83.5637 (Q)
242	2,4,6 - Tribromophenol	330	7.116	7.114	(1.113)	513454	114.821	114.821 (Q)
124	4-Bromophenyl phenyl ether	248	7.324	7.322	(0.947)	645533	79.2001	79.2001 (Q)
125	Hexachlorobenzene	284	7.388	7.381	(0.956)	725730	78.6619	78.6618 (Q)
129	Pentachlorophenol	266	7.559	7.557	(0.978)	473842	74.9652	74.9652 (Q)
136	Phenanthrene	178	7.752	7.749	(1.003)	2993649	83.1602	83.1602 (Q)
137	Anthracene	178	7.794	7.792	(1.008)	3062671	82.6321	82.6321 (Q)
140	Carbazole	167	7.939	7.936	(1.027)	2632886	79.0885	79.0885 (Q)
143	Di-n-butyl phthalate	149	8.195	8.193	(1.060)	3274642	84.0593	84.0593 (Q)
149	Fluoranthene	202	8.777	8.775	(1.135)	3465750	84.1469	84.1469 (Q)

EPAPAV0011953

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152	Pyrene	202	8.980	8.973	(0.894)	3542236	81.9821	81.9821(Q)
159	Butyl benzyl phthalate	149	9.493	9.491	(0.945)	1508634	83.5412	83.5412(Q)
165	Benzo(a)anthracene	228	10.027	10.025	(0.998)	3620295	81.7851	81.7851(Q)
167	Chrysene	228	10.065	10.057	(1.002)	3419208	87.4804	87.4804(QH)
162	Bis(2-ethylhexyl) phthalate	149	9.969	9.966	(0.993)	1995467	86.2226	86.2226(Q)
168	Di-n-octyl phthalate	149	10.540	10.538	(1.049)	3280013	89.3729	89.3729(Q)
171	Benzo(b)fluoranthene	252	10.984	10.971	(0.971)	3280939	77.2799	77.2799(Q)
172	Benzo(k)fluoranthene	252	11.005	10.997	(0.973)	3670795	80.9911	80.9911(QH)
178	Benzo(a)pyrene	252	11.272	11.259	(0.996)	2896262	74.4776	74.4776(QH)
186	Indeno(1,2,3-cd)pyrene	276	12.212	12.189	(1.216)	3787281	80.8338	80.8338(Q)
185	Dibenz(a,h)anthracene	278	12.212	12.194	(1.079)	3284442	76.9557	76.9557(Q)
188	Benzo(g,h,i)perylene	276	12.469	12.445	(1.102)	2995181	83.1541	83.1541(QH)
19	Methyl Styrene	118	3.323	3.326	(0.931)	950794	80.3414	80.3414(Q)
141	Alachlor	188	8.024	8.027	(1.038)	431018	82.7769	82.7769(Q)
127	Atrazine	200	7.463	7.455	(0.965)	610441	82.6976	82.6976(Q)
67	Caprolactam	55	5.113	5.094	(1.085)	278886	81.9201	81.9201(Q)
79	2,3-Dichlorobenzeneamine	161	5.679	5.677	(0.888)	1019368	83.6216	83.6216(Q)
21	Decane	43	3.382	3.385	(0.948)	678558	80.5880	80.5880(Q)
56	n-Dodecane	43	4.659	4.662	(0.989)	711828	84.3944	84.3944(Q)
83	Tetradecane	43	5.802	5.805	(0.907)	722883	84.2973	84.2972(Q)
128	n-Octadecane	85	7.570	7.568	(0.979)	496878	79.4408	79.4408(Q)
144	n-Eicosane	43	8.281	8.284	(1.071)	747839	83.4529	83.4529(Q)
150	n-docosane	43	8.927	8.925	(1.155)	702158	80.0547	80.0547(Q)
4	1,4-Dioxane	88	1.614	1.617	(0.452)	384967	81.5519	81.5519(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0527.D

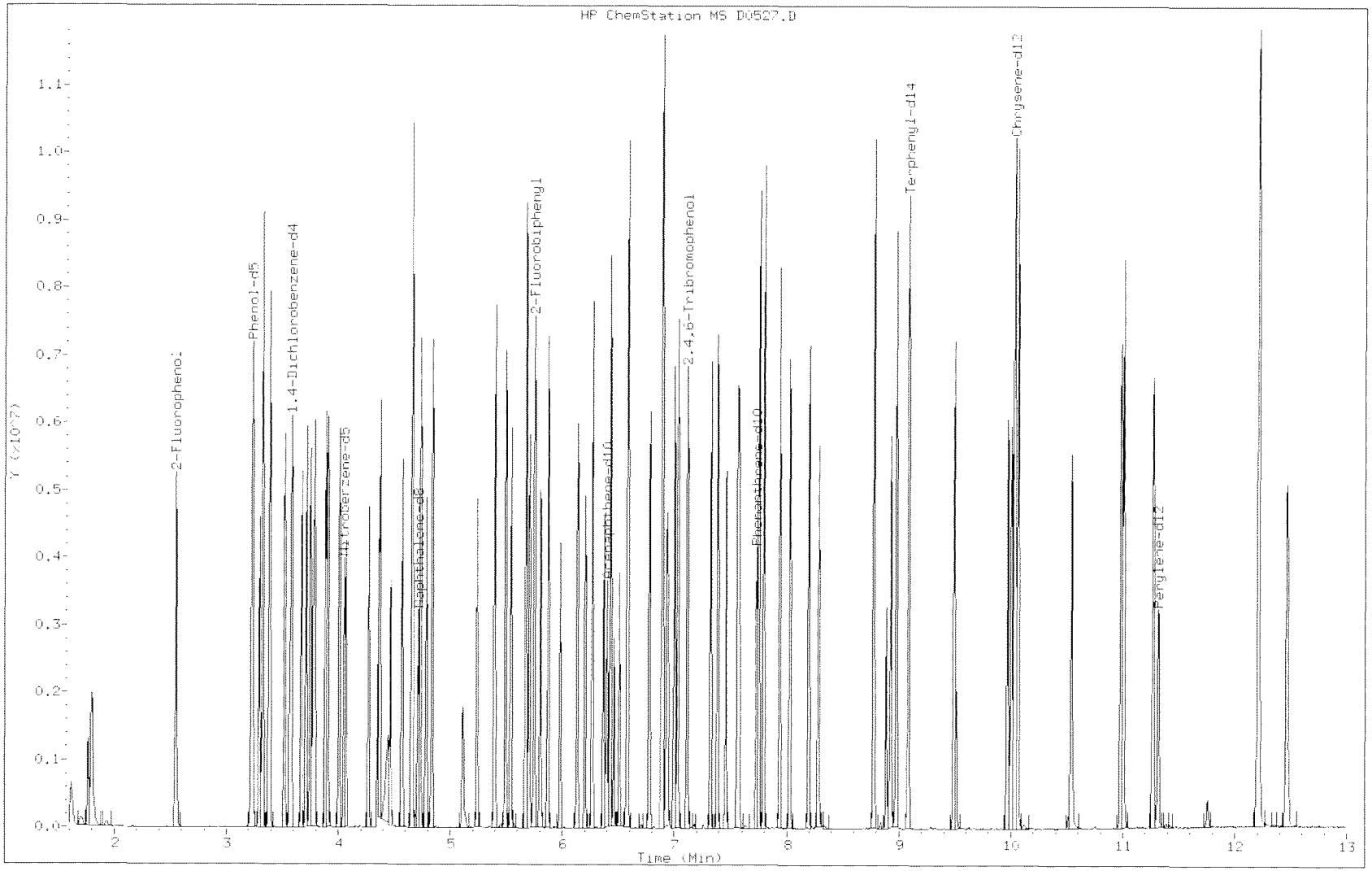
Date: 02-MAY-2012 12:34

Client ID:

Instrument: D.i

Sample Info: ICV-1394562,,HSLSSV080

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-118050/11 | Calibration Date: 05/02/2012 12:52

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0528.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzidine	Ave	0.6459	0.6630		103000	100000	2.6	50.0
3,3'-Dichlorobenzidine	Ave	0.4026	0.3938		97800	100000	-2.2	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0528.D
Lab Smp Id: ICV-1363244
Inj Date : 02-MAY-2012 12:52
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1363244,,BENZ-SSV
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 12:15 Cal File: D0526.D
Als bottle: 20 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 11-BENSSV.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.568	3.566	(1.000)	348041	40.0000	
* 58 Naphthalene-d8	136	4.711	4.715	(1.000)	1264221	40.0000	
* 96 Acenaphthene-d10	164	6.394	6.398	(1.000)	838675	40.0000	
* 135 Phenanthrene-d10	188	7.730	7.728	(1.000)	1489391	40.0000	
* 166 Chrysene-d12	240	10.027	10.036	(1.000)	1763133	40.0000	
* 179 Perylene-d12	264	11.298	11.307	(1.000)	1571941	40.0000	
151 Benzidine	184	8.889	8.887	(0.887)	2922382	102.640	102.640
164 3 3'-Dichlorobenzidine	252	9.995	9.998	(0.997)	1735916	97.8279	97.8279

Data File: D0528.D

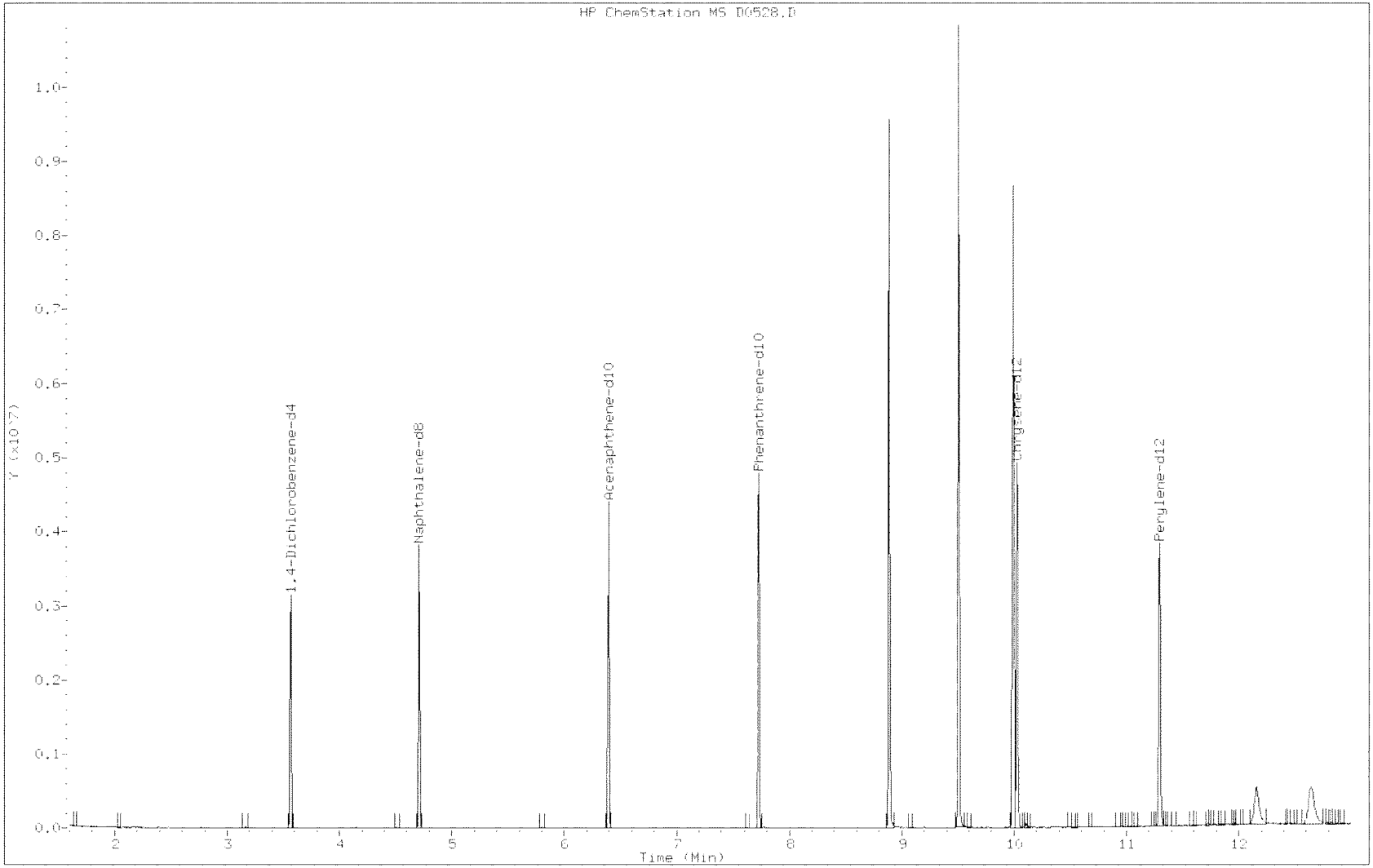
Date: 02-MAY-2012 12:52

Client ID:

Instrument: D.i

Sample Info: ICV-1363244,,BENZ-SSV

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-118050/12 Calibration Date: 05/02/2012 13:11

Instrument ID: MSS_D Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 05/02/2012 12:15

Lab File ID: D0529.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.4095	0.5375		131000	100000	31.2	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0529.D
Lab Smp Id: ICV-840613
Inj Date : 02-MAY-2012 13:11
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-840613,,FAM-SSV
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\8270C.m
Meth Date : 02-May-2012 14:33 D.i Quant Type: ISTD
Cal Date : 02-MAY-2012 12:15 Cal File: D0526.D
Als bottle: 21 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 12-FAM.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.565	3.566	(1.000)	313316	40.0000	
* 58 Naphthalene-d8	136	4.714	4.715	(1.000)	1161975	40.0000	
* 96 Acenaphthene-d10	164	6.397	6.398	(1.000)	778168	40.0000	
* 135 Phenanthrene-d10	188	7.727	7.728	(1.000)	1343557	40.0000	
* 166 Chrysene-d12	240	10.040	10.036	(1.000)	1563020	40.0000	
* 179 Perylene-d12	264	11.322	11.307	(1.000)	1435776	40.0000	
158 Famphur	218	9.458	9.453	(0.942)	2100229	131.248	131.248

Data File: D0529.D

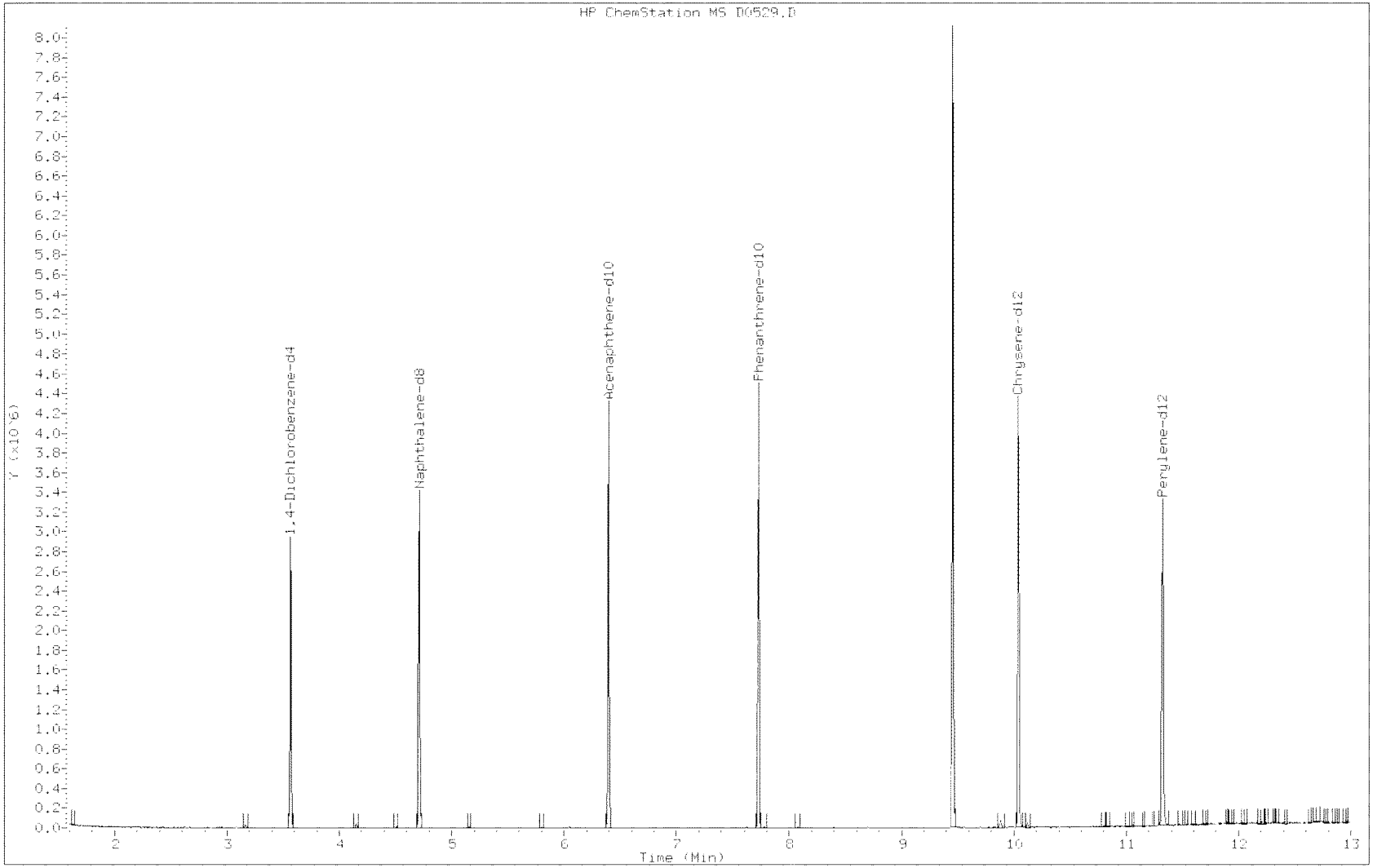
Date: 02-MAY-2012 13:11

Client ID:

Instrument: D.i

Sample Info: ICV-840613,,FAM-SSV

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119099/4 | Calibration Date: 05/08/2012 10:24

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0713.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6147	0.6240		81200	80000	1.5	35.0
N-Nitrosodimethylamine	Ave	0.9829	1.043		84900	80000	6.1	35.0
Pyridine	Ave	1.644	1.745		84900	80000	6.1	35.0
Phenol	Ave	1.779	1.917		86200	80000	7.8	20.0
Aniline	Ave	2.301	2.502		87000	80000	8.7	35.0
Bis(2-chloroethyl)ether	Ave	1.473	1.532		83200	80000	4.0	35.0
n-Decane	Ave	1.096	1.308		95500	80000	19.3	35.0
2-Chlorophenol	Ave	1.499	1.557		83100	80000	3.9	35.0
1,3-Dichlorobenzene	Ave	1.687	1.744		82700	80000	3.4	35.0
1,4-Dichlorobenzene	Ave	1.721	1.743		81000	80000	1.3	20.0
Benzyl alcohol	Ave	0.9222	0.9807		85100	80000	6.3	35.0
1,2-Dichlorobenzene	Ave	1.627	1.649		81100	80000	1.3	35.0
2-Methylphenol	Ave	1.295	1.359		84000	80000	4.9	35.0
bis (2-chloroisopropyl) ether	Ave	1.272	1.553		97600	80000	22.1	35.0
Indene	Ave	2.150	2.259		84100	80000	5.1	35.0
3 & 4 Methylphenol	Ave	1.357	1.519		89500	80000	11.9	35.0
3-Methylphenol	Ave	1.357	1.519		89500	80000	11.9	35.0
4-Methylphenol	Ave	1.357	1.519		89500	80000	11.9	35.0
N-Nitrosodi-n-propylamine	Ave	1.237	1.363	0.0500	88100	80000	10.2	35.0
Acetophenone	Ave	2.047	2.111		82500	80000	3.1	35.0
Hexachloroethane	Ave	0.7811	0.8356		85600	80000	7.0	35.0
Nitrobenzene	Ave	0.5183	0.5519		85200	80000	6.5	35.0
Isophorone	Ave	0.8060	0.8644		85800	80000	7.2	35.0
2-Nitrophenol	Ave	0.2035	0.2192		86200	80000	7.7	20.0
2,4-Dimethylphenol	Ave	0.4100	0.4182		81600	80000	2.0	35.0
Benzoic acid	Ave	0.2027	0.2115		83500	80000	4.3	35.0
Bis(2-chloroethoxy)methane	Ave	0.4588	0.4866		84800	80000	6.1	35.0
2,4-Dichlorophenol	Ave	0.3440	0.3707		86200	80000	7.8	20.0
1,2,4-Trichlorobenzene	Ave	0.4591	0.4752		82800	80000	3.5	35.0
Naphthalene	Ave	1.085	1.077		79400	80000	-0.7	35.0
4-Chloroaniline	Ave	0.4682	0.4842		82700	80000	3.4	35.0
Hexachlorobutadiene	Ave	0.2975	0.3085		82900	80000	3.7	20.0
Caprolactam	Ave	0.1237	0.1527		98800	80000	23.5	35.0
4-Chloro-3-methylphenol	Ave	0.3266	0.3507		85900	80000	7.4	20.0
2-Methylnaphthalene	Ave	0.7491	0.7499		80100	80000	0.1	35.0
1-Methylnaphthalene	Ave	0.7066	0.7196		81500	80000	1.8	35.0
Hexachlorocyclopentadiene	Ave	0.5085	0.5551	0.0500	87300	80000	9.2	35.0
2,4,6-Trichlorophenol	Ave	0.4387	0.4723		86100	80000	7.6	20.0
2,3-Dichlorobenzenamine	Ave	0.6503	0.6728		82800	80000	3.5	50.0
2,4,5-Trichlorophenol	Ave	0.4345	0.4499		82800	80000	3.6	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119099/4 | Calibration Date: 05/08/2012 10:24

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0713.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.142	1.158		81200	80000	1.4	35.0
2-Nitroaniline	Ave	0.3755	0.4414		94100	80000	17.6	35.0
Dimethyl phthalate	Ave	1.298	1.347		83000	80000	3.8	35.0
2,6-Dinitrotoluene	Ave	0.2933	0.2854		77800	80000	-2.7	35.0
Acenaphthylene	Ave	1.733	1.760		81200	80000	1.6	35.0
3-Nitroaniline	Ave	0.2988	0.3155		84500	80000	5.6	35.0
Acenaphthene	Ave	1.112	1.115		80200	80000	0.3	20.0
2,4-Dinitrophenol	Lin1	0.1916	0.2242	0.0500	87400	80000	9.3	35.0
4-Nitrophenol	Ave	0.2988	0.3785	0.0500	101000	80000	26.7	35.0
2,4-Dinitrotoluene	Qua	0.4172	0.4138		79600	80000	-0.5	35.0
Dibenzofuran	Ave	1.687	1.734		82300	80000	2.8	35.0
Hexadecane	Ave	0.5380	0.6065		90200	80000	12.7	35.0
Diethyl phthalate	Ave	1.341	1.358		81000	80000	1.3	35.0
4-Chlorophenyl phenyl ether	Ave	0.7353	0.7894		85900	80000	7.4	35.0
Fluorene	Ave	1.399	1.429		81800	80000	2.2	35.0
4-Nitroaniline	Ave	0.2841	0.3003		84600	80000	5.7	35.0
4,6-Dinitro-2-methylphenol	Ave	0.1538	0.1603		83400	80000	4.2	35.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.6672	0.6665		79900	80000	-0.1	20.0
1,2-Diphenylhydrazine	Ave	1.691	1.957		93600	80900	15.7	35.0
Azobenzene	Ave	1.710	1.979		92600	80000	15.7	35.0
4-Bromophenyl phenyl ether	Ave	0.2494	0.2606		83600	80000	4.5	35.0
Hexachlorobenzene	Ave	0.2823	0.2847		80700	80000	0.8	35.0
Atrazine	Ave	0.2259	0.2428		86000	80000	7.5	35.0
Pentachlorophenol	Qua	0.1989	0.2048		83100	80000	3.8	20.0
Phenanthrene	Ave	1.102	1.142		82900	80000	3.7	35.0
Anthracene	Ave	1.134	1.184		83500	80000	4.4	35.0
Carbazole	Ave	1.019	1.031		81000	80000	1.2	35.0
Alachlor	Ave	0.1593	0.1645		82600	80000	3.3	35.0
Di-n-butyl phthalate	Ave	1.192	1.259		84500	80000	5.6	35.0
Fluoranthene	Ave	1.260	1.342		85200	80000	6.5	20.0
Benzidine	Ave	0.6459	0.6907		85500	80000	6.9	50.0
Pyrene	Ave	1.070	1.074		80300	80000	0.4	35.0
Famphur	Ave	0.4095	0.4655		90900	80000	13.7	35.0
Butyl benzyl phthalate	Ave	0.4470	0.4664		83500	80000	4.3	35.0
Bis(2-ethylhexyl) phthalate	Ave	0.5729	0.6283		87700	80000	9.7	35.0
3,3'-Dichlorobenzidine	Ave	0.4026	0.4405		87500	80000	9.4	35.0
Benzo[a]anthracene	Ave	1.096	1.142		83300	80000	4.2	35.0
Chrysene	Ave	0.9676	1.042		86100	80000	7.6	35.0
Di-n-octyl phthalate	Ave	0.9085	1.046		92100	80000	15.1	20.0
Benzo[b]fluoranthene	Ave	1.237	1.206		78000	80000	-2.5	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119099/4 | Calibration Date: 05/08/2012 10:24

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0713.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[k]fluoranthene	Ave	1.321	1.439		87100	80000	8.9	35.0
Benzo[a]pyrene	Ave	1.133	1.192		84200	80000	5.2	20.0
Dibenz(a,h)anthracene	Qua	1.157	1.264		80700	80000	0.9	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.160	1.312		90500	80000	13.1	35.0
Benzo[g,h,i]perylene	Ave	1.050	1.133		86400	80000	8.0	35.0
2-Fluorophenol	Ave	1.367	1.464		128000	120000	7.0	35.0
Phenol-d5	Ave	1.752	1.919		131000	120000	9.5	35.0
Nitrobenzene-d5	Ave	0.5206	0.5714		87800	80000	9.7	35.0
2-Fluorobiphenyl	Ave	1.304	1.358		83300	80000	4.1	35.0
2,4,6-Tribromophenol	Qua	0.2339	0.2624		130000	120000	8.0	35.0
Terphenyl-d14	Ave	0.7394	0.7568		81900	80000	2.4	35.0

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BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0713.D
Lab Smp Id: CCV-1394532
Inj Date : 08-MAY-2012 10:24
Operator : hoffmanm Inst ID: D.i
Smp Info : CCV-1394532,,HSL080
Misc Info :
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:33 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	276271	40.0000	
* 58 Naphthalene-d8	136	4.690	4.690	(1.000)	1002994	40.0000	
* 96 Acenaphthene-d10	164	6.372	6.372	(1.000)	682171	40.0000	
* 135 Phenanthrene-d10	188	7.703	7.703	(1.000)	1218716	40.0000	
* 166 Chrysene-d12	240	9.962	9.962	(1.000)	1600502	40.0000	
* 179 Perylene-d12	264	11.164	11.164	(1.000)	1396029	40.0000	
$ 22 2-Chlorophenol-d4	132	3.354	3.354	(0.947)	1334162	120.000	128.219
$ 29 1,2-Dichlorobenzene-d4	152	3.675	3.675	(1.038)	599316	80.0000	82.2452
$ 8 2-Fluorophenol	112	2.521	2.521	(0.712)	1213122	120.000	128.457
$ 15 Phenol-d5	99	3.210	3.210	(0.906)	1590328	120.000	131.416
$ 43 Nitrobenzene-d5	82	4.027	4.027	(0.859)	1146139	80.0000	87.7958
$ 81 2-Fluorobiphenyl	172	5.726	5.726	(0.899)	1852141	80.0000	83.2917
$ 118 2,4,6-Tribromophenol	330	7.094	7.094	(1.113)	537078	120.000	129.632
$ 154 Terphenyl-d14	244	9.044	9.044	(0.908)	2422638	80.0000	81.8866
4 1,4-Dioxane	88	1.559	1.559	(0.440)	344762	80.0000	81.2028
5 N-Nitrosodimethylamine	74	1.714	1.714	(0.484)	576171	80.0000	84.8720
6 Pyridine	79	1.746	1.746	(0.493)	964016	80.0000	84.8910
16 Phenol	94	3.221	3.221	(0.909)	1059461	80.0000	86.2159
18 Aniline	93	3.274	3.274	(0.925)	1382550	80.0000	86.9926
19 Methyl Styrene	118	3.301	3.301	(0.932)	914703	80.0000	85.9357
20 Bis(2-chloroethyl) ether	93	3.306	3.306	(0.934)	846527	80.0000	83.1869
21 Decane	43	3.360	3.360	(0.949)	722937	80.0000	95.4607

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.365	3.365	(0.950)	860267	80.0000	83.1153
25	1,3-Dichlorobenzene	146	3.498	3.498	(0.988)	963661	80.0000	82.7168
27	1,4-Dichlorobenzene	146	3.557	3.557	(1.005)	963260	80.0000	81.0438
28	Benzyl alcohol	108	3.648	3.648	(1.030)	541857	80.0000	85.0683
30	1,2-Dichlorobenzene	146	3.691	3.691	(1.042)	911115	80.0000	81.0660
32	2-Methylphenol	108	3.733	3.733	(1.054)	751031	80.0000	83.9530
34	2,2'-oxybis(1-chloropropane)	45	3.755	3.755	(1.060)	858193	80.0000	97.6474
35	1H-Indene	116	3.766	3.766	(1.063)	1248207	80.0000	84.0599
138	3-Methylphenol	108	3.867	3.867	(1.092)	839064	80.0000	89.5250
36	4-Methylphenol	108	3.867	3.867	(1.092)	839064	80.0000	89.5250
139	3 & 4-Methylphenol	108	3.867	3.867	(1.092)	839064	80.0000	89.5250
37	N-nitrosodi-n-propylamine	70	3.872	3.872	(1.094)	752936	80.0000	88.1278
38	Acetophenone	105	3.888	3.888	(1.098)	1166383	80.0000	82.5004
41	Hexachloroethane	117	3.985	3.985	(1.125)	461722	80.0000	85.5846
44	Nitrobenzene	77	4.049	4.049	(0.863)	1106998	80.0000	85.1782
47	Isophorone	82	4.252	4.252	(0.907)	1733904	80.0000	85.7892
50	2,4-Dimethylphenol	107	4.353	4.353	(0.928)	838817	80.0000	81.5904
49	2-Nitrophenol	139	4.337	4.337	(0.925)	439723	80.0000	86.1592
53	Benzoic acid	122	4.433	4.433	(0.945)	424269	80.0000	83.4708
52	Bis(2-chloroethoxy)methane	93	4.444	4.444	(0.948)	976068	80.0000	84.8475
54	2,4-Dichlorophenol	162	4.551	4.551	(0.970)	743641	80.0000	86.2090
56	n-Dodecane	43	4.636	4.636	(0.989)	736080	80.0000	95.8099
57	1,2,4-Trichlorobenzene	180	4.631	4.631	(0.987)	953205	80.0000	82.8065
59	Naphthalene	128	4.711	4.711	(1.005)	2159848	80.0000	79.4047
60	4-Chloroaniline	127	4.764	4.764	(1.016)	971371	80.0000	82.7417
62	Hexachlorobutadiene	225	4.813	4.813	(1.026)	618800	80.0000	82.9378
67	Caprolactam	55	5.096	5.096	(1.087)	306297	80.0000	98.7765
68	4-Chloro-3-methylphenol	107	5.219	5.219	(1.113)	703497	80.0000	85.8965
71	2-Methylnaphthalene	142	5.368	5.368	(1.145)	1504271	80.0000	80.0891
72	1-Methylnaphthalene	142	5.470	5.470	(1.166)	1443507	80.0000	81.4769
74	Hexachlorocyclopentadiene	237	5.518	5.518	(0.866)	757402	80.0000	87.3448
78	2,4,6-Trichlorophenol	196	5.646	5.646	(0.886)	644334	80.0000	86.1128
79	2,3-Dichlorobenzeneamine	161	5.657	5.657	(0.888)	917917	80.0000	82.7673
80	2,4,5-Trichlorophenol	196	5.683	5.683	(0.892)	613851	80.0000	82.8420
83	Tetradecane	43	5.779	5.779	(0.907)	780665	80.0000	100.064
86	2-Chloronaphthalene	162	5.849	5.849	(0.918)	1580033	80.0000	81.1561
88	2-Nitroaniline	65	5.956	5.956	(0.935)	602219	80.0000	94.0517
91	Dimethyl phthalate	163	6.111	6.111	(0.959)	1838079	80.0000	83.0440
93	2,6-Dinitrotoluene	165	6.180	6.180	(0.970)	389400	80.0000	77.8433
94	Acenaphthylene	152	6.244	6.244	(0.980)	2401828	80.0000	81.2444
95	3-Nitroaniline	138	6.346	6.346	(0.996)	430499	80.0000	84.4870
97	Acenaphthene	153	6.405	6.405	(1.005)	1520903	80.0000	80.2114
98	2,4-Dinitrophenol	184	6.437	6.437	(1.010)	305910	80.0000	87.4131
99	4-Nitrophenol	109	6.495	6.495	(1.019)	516417	80.0000	101.347
101	2,4-Dinitrotoluene	165	6.554	6.554	(1.029)	564554	80.0000	79.5800
102	Dibenzofuran	168	6.559	6.559	(1.029)	2366052	80.0000	82.2625
105	Hexadecane	57	6.736	6.736	(1.057)	827418	80.0000	90.1736
107	Diethyl phthalate	149	6.752	6.752	(1.060)	1853191	80.0000	81.0450
109	4-Chlorophenyl phenyl ether	204	6.864	6.864	(1.077)	1077027	80.0000	85.8875
110	Fluorene	166	6.869	6.869	(1.078)	1950035	80.0000	81.7535
112	4-Nitroaniline	138	6.907	6.907	(1.084)	409761	80.0000	84.5728
113	4,6-Dinitro-2-methylphenol	198	6.917	6.917	(0.898)	390673	80.0000	83.3908
115	N-nitrosodiphenylamine	169	6.976	6.976	(0.906)	1624550	80.0000	79.9154
116	Azobenzene	77	7.003	7.003	(1.099)	2699425	80.0000	92.5725

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.003	7.003	(1.099)	2699425	80.8780	93.5885
242	2,4,6 - Tribromophenol	330	7.094	7.094	(1.113)	537078	120.000	129.632
124	4-Bromophenyl phenyl ether	248	7.297	7.297	(0.947)	635272	80.0000	83.5999
125	Hexachlorobenzene	284	7.355	7.355	(0.955)	693950	80.0000	80.6781
127	Atrazine	200	7.436	7.436	(0.965)	591791	80.0000	85.9916
128	n-Octadecane	85	7.542	7.542	(0.979)	458611	80.0000	78.6460
129	Pentachlorophenol	266	7.532	7.532	(0.978)	499120	80.0000	83.0719
136	Phenanthrene	178	7.719	7.719	(1.002)	2783298	80.0000	82.9302
137	Anthracene	178	7.767	7.767	(1.008)	2886622	80.0000	83.5366
140	Carbazole	167	7.911	7.911	(1.027)	2513904	80.0000	80.9970
141	Alachlor	188	7.996	7.996	(1.038)	401014	80.0000	82.6060
143	Di-n-butyl phthalate	149	8.162	8.162	(1.060)	3068996	80.0000	84.5000
144	n-Eicosane	43	8.253	8.253	(1.071)	797870	80.0000	95.5001
149	Fluoranthene	202	8.744	8.744	(1.135)	3270516	80.0000	85.1718
150	n-docosane	43	8.889	8.889	(1.154)	787929	80.0000	96.3557
151	Benzidine	184	8.857	8.857	(0.889)	2211054	80.0000	85.5476
152	Pyrene	202	8.942	8.942	(0.898)	3438510	80.0000	80.3424
158	Famphur	218	9.407	9.407	(0.944)	1490055	80.0000	90.9360
159	Butyl benzyl phthalate	149	9.439	9.439	(0.947)	1493015	80.0000	83.4668
162	Bis(2-ethylhexyl) phthalate	149	9.893	9.893	(0.993)	2011160	80.0000	87.7315
164	3 3'-Dichlorobenzidine	252	9.925	9.925	(0.996)	1410086	80.0000	87.5404
165	Benzo(a)anthracene	228	9.952	9.952	(0.999)	3654087	80.0000	83.3378
167	Chrysene	228	9.989	9.989	(1.003)	3334127	80.0000	86.1192
168	Di-n-octyl phthalate	149	10.432	10.432	(1.047)	3347404	80.0000	92.0812
171	Benzo(b)fluoranthene	252	10.849	10.849	(0.972)	3366271	80.0000	77.9603(H)
172	Benzo(k)fluoranthene	252	10.871	10.871	(0.974)	4016476	80.0000	87.1321
178	Benzo(a)pyrene	252	11.122	11.122	(0.996)	3329002	80.0000	84.1701
185	Dibenz(a,h)anthracene	278	12.008	12.008	(1.076)	3529516	80.0000	80.7293
186	Indeno(1,2,3-cd)pyrene	276	12.014	12.014	(1.206)	4199971	80.0000	90.4991
188	Benzo(g,h,i)perylene	276	12.260	12.260	(1.098)	3164229	80.0000	86.3743

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: D0713.D

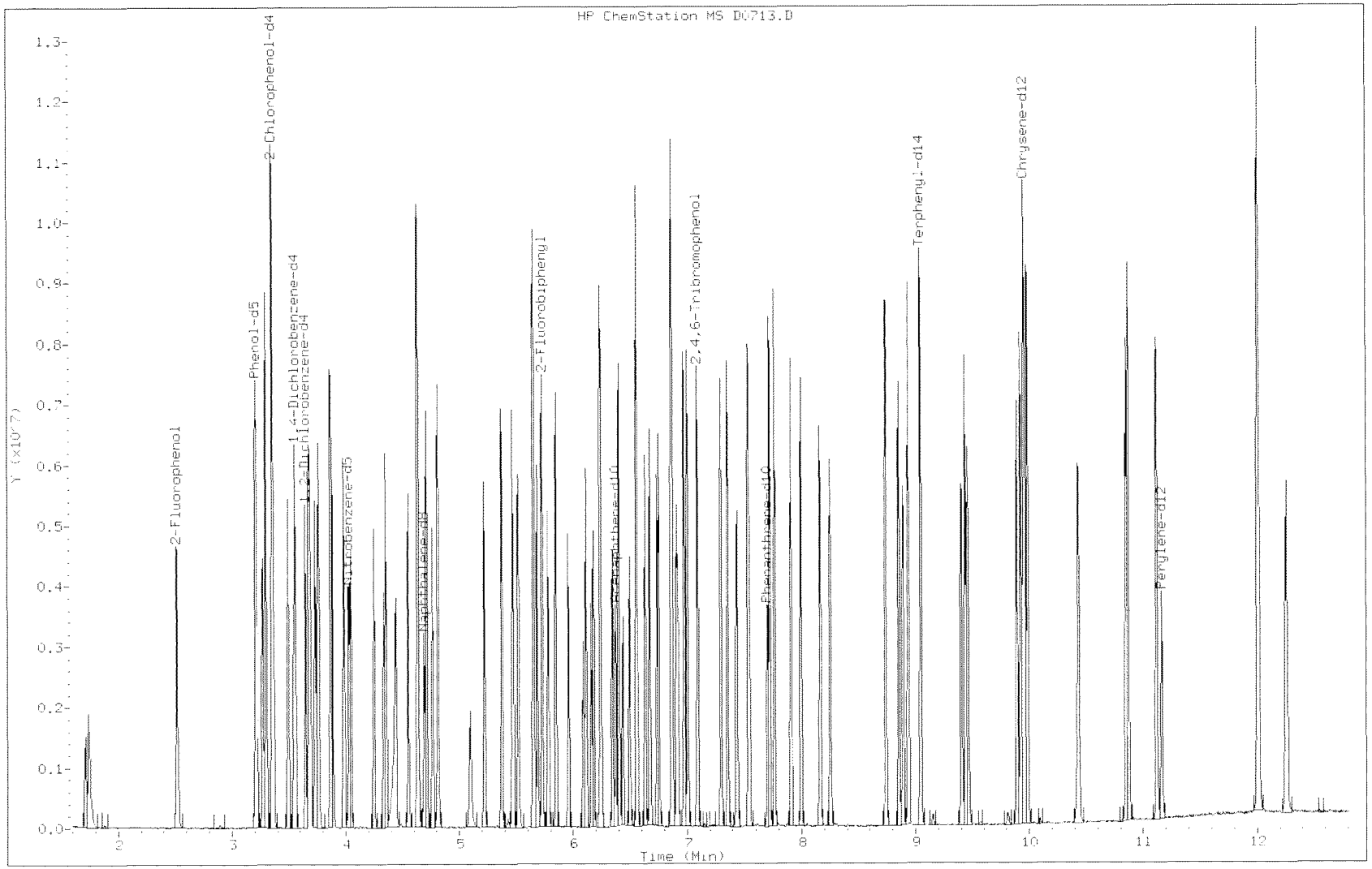
Date: 08-MAY-2012 10:24

Client ID:

Instrument: D.i

Sample Info: CCV-1394532,,HSL080

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119099/5 | Calibration Date: 05/08/2012 10:42

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0714.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.450	1.550		85500	80000	6.9	50.0
N-Nitrosomethylethylamine	Ave	0.6551	0.6717		82000	80000	2.5	50.0
Methyl methanesulfonate	Ave	0.4728	0.7195		122000	80000	52.2*	50.0
N-Nitrosodiethylamine	Ave	0.6605	0.6546		79300	80000	-0.9	50.0
Ethyl methanesulfonate	Ave	1.203	1.257		83600	80000	4.5	50.0
Pentachloroethane	Ave	0.6038	0.6120		81100	80000	1.4	50.0
N-Nitrosopyrrolidine	Ave	0.7714	0.7901		81900	80000	2.4	50.0
N-Nitrosomorpholine	Ave	0.2890	0.2952		81700	80000	2.1	50.0
2-Toluidine	Ave	2.202	2.151		78100	80000	-2.3	50.0
N-Nitrosopiperidine	Ave	0.1777	0.1856		83600	80000	4.5	50.0
o,o',o''-Triethylphosphorothioate	Ave	0.2412	0.2434		80700	80000	0.9	50.0
a,a-Dimethylphenethylamine	Ave	0.7208	0.8130		90200	80000	12.8	50.0
2,6-Dichlorophenol	Ave	0.3480	0.3582		82300	80000	2.9	35.0
Hexachloropropene	Ave	0.4204	0.4345		82700	80000	3.3	50.0
N-Nitrosodi-n-butylamine	Ave	0.2840	0.2859		80500	80000	0.7	50.0
p-Phenylene diamine	Ave	0.4607	0.5214		90500	80000	13.2	50.0
Safrole, Total	Ave	0.3295	0.3385		82200	80000	2.7	35.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4770	0.4864		81600	80000	2.0	50.0
1,1'-Biphenyl	Ave	1.437	1.444		80400	80000	0.5	50.0
1-Chloronaphthalene	Ave	1.178	1.195		81100	80000	1.4	35.0
1,4-Naphthoquinone	Ave	0.2629	0.3128		95200	80000	19.0	50.0
1,4-Dinitrobenzene	Ave	0.1950	0.1995		81800	80000	2.3	50.0
1,3-Dinitrobenzene	Ave	0.2175	0.2072		76200	80000	-4.7	50.0
Pentachlorobenzene	Ave	0.6286	0.6336		80600	80000	0.8	50.0
1-Naphthylamine	Ave	1.263	1.274		80700	80000	0.9	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3905	0.4057		83100	80000	3.9	35.0
2-Naphthylamine	Ave	1.190	1.202		80800	80000	1.0	50.0
Thionazin	Ave	0.3423	0.3565		83300	80000	4.2	35.0
5-Nitro-o-toluidine	Ave	0.3641	0.3684		80900	80000	1.2	50.0
Diphenylamine	Ave	1.208	1.221		80900	80000	1.1	50.0
Sulfotepp	Ave	0.1637	0.1733		84700	80000	5.9	50.0
1,3,5-Trinitrobenzene	Lin1	0.0977	0.0992		71800	80000	-10.3	50.0
Phorate	Ave	0.1396	0.1399		80200	80000	0.2	50.0
Phenacetin	Ave	0.3836	0.4077		85000	80000	6.3	50.0
Dimethoate	Ave	0.2066	0.2139		82800	80000	3.5	50.0
4-Aminobiphenyl	Ave	0.9323	0.9530		81800	80000	2.2	50.0
Pentachloronitrobenzene	Lin2	0.1755	0.1864		79300	80000	-0.9	50.0
Pronamide	Ave	0.3823	0.3906		81700	80000	2.2	50.0
2-sec-Butyl-4,6-dinitrophenol	Qua	0.2403	0.2445		83900	80000	4.8	50.0
Disulfoton	Ave	0.3701	0.3719		80400	80000	0.5	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119099/5 | Calibration Date: 05/08/2012 10:42

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0714.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl parathion	Ave	0.2153	0.2026		75300	80000	-5.9	50.0
Ethyl Parathion	Ave	0.1689	0.1770		83800	80000	4.8	50.0
4-Nitroquinoline-1-oxide	Lin2	0.1099	0.1015		71800	80000	-10.2	50.0
Methapyrilene	Ave	0.3033	0.3307		87200	80000	9.0	50.0
Isodrin	Ave	0.1581	0.1505		76200	80000	-4.8	50.0
p-Dimethylamino azobenzene	Ave	0.3119	0.2911		74700	80000	-6.7	50.0
Ethyl 4,4'-Dichlorobenzilate	Lin1	0.3356	0.3364		73300	80000	-8.4	50.0
3,3'-Dimethyl benzidine	Ave	0.7249	0.7048		77800	80000	-2.8	50.0
2-Acetylaminofluorene	Ave	0.4299	0.4326		80500	80000	0.6	50.0
7,12-Dimethyl benz(a)anthracene	Lin1	0.6701	0.6485		74200	80000	-7.2	50.0
3-Methyl cholanthrene	Lin1	0.6945	0.6693		74000	80000	-7.5	50.0
Dibenz[a,j]acridine	Qua	0.8739	0.8988		80600	80000	0.8	50.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0714.D
Lab Smp Id: CCV-1397576
Inj Date : 08-MAY-2012 10:42
Operator : hoffmanm Inst ID: D.i
Smp Info : CCV-1397576,,AP9080
Misc Info :
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:34 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	332589	40.0000	
* 58	Naphthalene-d8	136	4.689	4.689	(1.000)	1194775	40.0000	
* 96	Acenaphthene-d10	164	6.372	6.372	(1.000)	798295	40.0000	
* 135	Phenanthrene-d10	188	7.702	7.702	(1.000)	1439970	40.0000	
* 166	Chrysene-d12	240	9.973	9.973	(1.000)	1717753	40.0000	
* 179	Perylene-d12	264	11.201	11.201	(1.000)	1542335	40.0000	
9	2-Picoline	93	2.162	2.162	(0.611)	1030821	80.0000	85.5043
10	N-Nitrosomethylethylamine	88	2.221	2.221	(0.627)	446801	80.0000	82.0249
11	Methyl methanesulfonate	80	2.419	2.419	(0.683)	478617	80.0000	121.759
12	N-Nitrosodiethylamine	102	2.697	2.697	(0.762)	435419	80.0000	79.2818
13	Ethyl methanesulfonate	79	2.905	2.905	(0.820)	836011	80.0000	83.5920
24	Pentachloroethane	117	3.311	3.311	(0.935)	407116	80.0000	81.0946
39	N-Nitrosopyrrolidine	100	3.877	3.877	(1.095)	525559	80.0000	81.9379
40	N-Nitrosomorpholine	116	3.909	3.909	(1.104)	196390	80.0000	81.7200
42	o-Toluidine	106	3.920	3.920	(1.107)	1430748	80.0000	78.1491
46	N-Nitrosopiperidine	114	4.187	4.187	(0.893)	443519	80.0000	83.5760
51	O,O,O-Triethyl phosphorothio	198	4.401	4.401	(0.938)	581506	80.0000	80.7105
55	a,a-Dimethylphenethylamine	58	4.513	4.513	(0.962)	1942788	80.0000	90.2358 (M)
61	2,6-Dichlorophenol	162	4.764	4.764	(1.016)	856014	80.0000	82.3419
63	Hexachloropropene	213	4.785	4.785	(1.021)	1038204	80.0000	82.6777
64	N-Nitrosodi-n-butylamine	84	5.063	5.063	(1.080)	683096	80.0000	80.5244
66	p-Phenylenediamine	108	5.106	5.106	(1.089)	1245854	80.0000	90.5424

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.277	5.277	(1.125)	808952	80.0000	82.1847
75	1,2,4,5-Tetrachlorobenzene	216	5.533	5.533	(1.180)	1162312	80.0000	81.5868
76	Isosafrole (#1)	162	5.565	5.565	(0.873)	128131	14.0000	14.1839
84	Isosafrole (#2)	104	5.784	5.784	(0.908)	511889	66.0000	71.9515
85	Biphenyl	154	5.822	5.822	(0.914)	2305257	80.0000	80.3913
87	1-Chloronaphthalene	162	5.870	5.870	(0.921)	1907730	80.0000	81.1256
89	1,4-Naphthoquinone	158	6.025	6.025	(0.946)	499372	80.0000	95.1906
90	1,4-Dinitrobenzene	168	6.084	6.084	(0.955)	318509	80.0000	81.8493
92	1,3-Dinitrobenzene	168	6.153	6.153	(0.966)	330867	80.0000	76.2201
100	Pentachlorobenzene	250	6.522	6.522	(1.023)	1011543	80.0000	80.6374
103	1-Naphthylamine	143	6.639	6.639	(1.042)	2034070	80.0000	80.7286
104	2,3,4,6-Tetrachlorophenol	232	6.671	6.671	(1.047)	647668	80.0000	83.1047
106	2-Naphthylamine	143	6.709	6.709	(1.053)	1918332	80.0000	80.7810
108	Thionazin	97	6.826	6.826	(1.071)	569236	80.0000	83.3224
111	5-Nitro-o-toluidine	152	6.890	6.890	(1.081)	588241	80.0000	80.9454
114	Diphenylamine	169	6.970	6.970	(1.094)	1949243	80.0000	80.8598
117	Sulfotepp	97	7.088	7.088	(0.920)	499191	80.0000	84.7281
119	Diallate (#1)	86	7.211	7.211	(0.936)	753196	57.8000	59.0735
120	1,3,5-Trinitrobenzene	213	7.216	7.216	(0.937)	285609	80.0000	71.7838
121	Phorate	121	7.221	7.221	(0.938)	402939	80.0000	80.1560
122	Phenacetin	108	7.248	7.248	(0.941)	1174226	80.0000	85.0407
123	Diallate (#2)	86	7.291	7.291	(0.947)	141515	22.6000	23.2316
126	Dimethoate	87	7.387	7.387	(0.959)	615899	80.0000	82.7963
130	4-Aminobiphenyl	169	7.537	7.537	(0.978)	2744447	80.0000	81.7712
131	Pentachloronitrobenzene	237	7.537	7.537	(0.978)	536831	80.0000	79.2745
132	Pronamide	173	7.563	7.563	(0.982)	1124837	80.0000	81.7330
133	Disulfoton	88	7.676	7.676	(0.997)	1071020	80.0000	80.3832
134	2-secbutyl-4,6-dinitropheno	211	7.676	7.676	(0.997)	704100	80.0000	83.8564
142	Methyl parathion	109	8.007	8.007	(1.040)	583519	80.0000	75.2731
145	Parathion	109	8.333	8.333	(1.082)	509810	80.0000	83.8459
146	4-Nitroquinoline-1-oxide	190	8.402	8.402	(1.091)	292289	80.0000	71.8466
147	Methapyrilene	97	8.423	8.423	(1.094)	952379	80.0000	87.2178
148	Isodrin	193	8.605	8.605	(1.117)	433466	80.0000	76.1768
153	Aramite (#1)	185	9.000	9.000	(0.903)	129414	36.0000	35.8957
155	Aramite (#2)	185	9.065	9.065	(0.909)	266350	43.2000	40.4335
156	p-Dimethylaminoazobenzene	120	9.166	9.166	(0.919)	999914	80.0000	74.6550
157	Chlorobenzilate	251	9.193	9.193	(0.922)	1155795	80.0000	73.2677
160	3,3'-Dimethylbenzidine	212	9.465	9.465	(0.949)	2421397	80.0000	77.7849
161	2-Acetylaminofluorene	181	9.684	9.684	(0.971)	1486177	80.0000	80.4921
M 173	Total Isosafrole	162				640020	80.0000	86.1354
M 174	Total Diallate	86				894711	80.0000	82.3051
M 175	Total Aramite	185				395764	80.0000	76.3293
176	7,12-Dimethylbenz(a)anthrac	256	10.870	10.870	(0.970)	2000332	80.0000	74.2181
181	3-Methylcholanthrene	268	11.420	11.420	(1.020)	2064635	80.0000	73.9776(H)
184	Dibenz(a,j)acridine	279	11.891	11.891	(1.062)	2772374	80.0000	80.6170

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: D0714.D

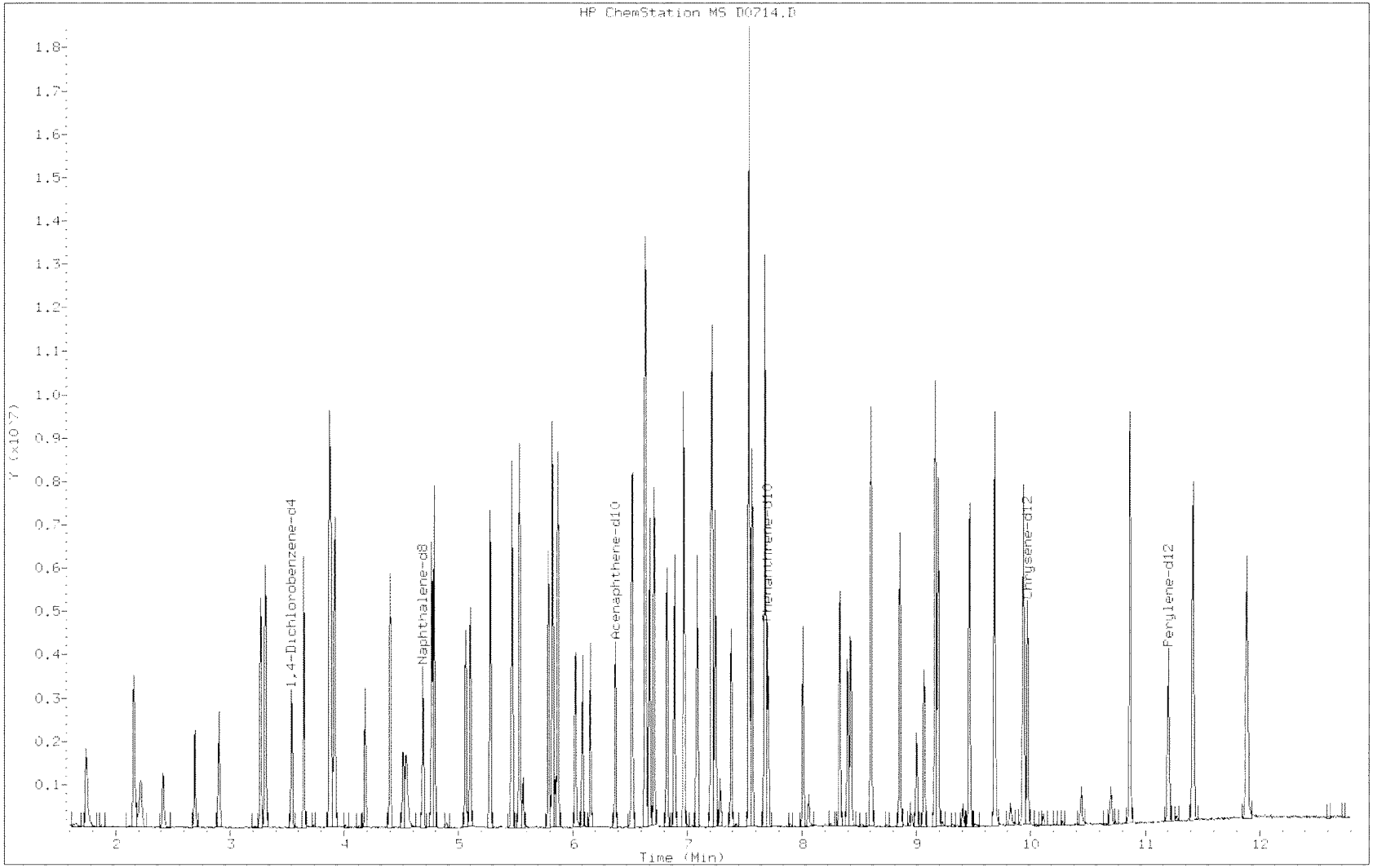
Date: 08-MAY-2012 10:42

Client ID:

Instrument: D.i

Sample Info: CCV-1397576,,AP9080

Operator: hoffmanm



Manual Integration Report

Data File: D0714.D
Inj. Date and Time: 08-MAY-2012 10:42
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/09/2012

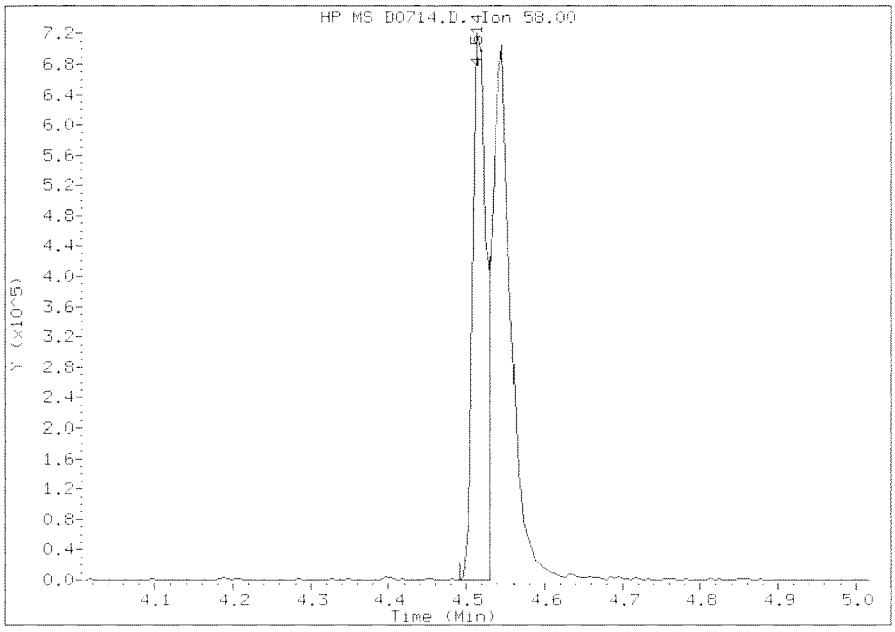
Processing Integration Results

RT: 4.51

Response: 872449

Amount: 41

Conc: 41



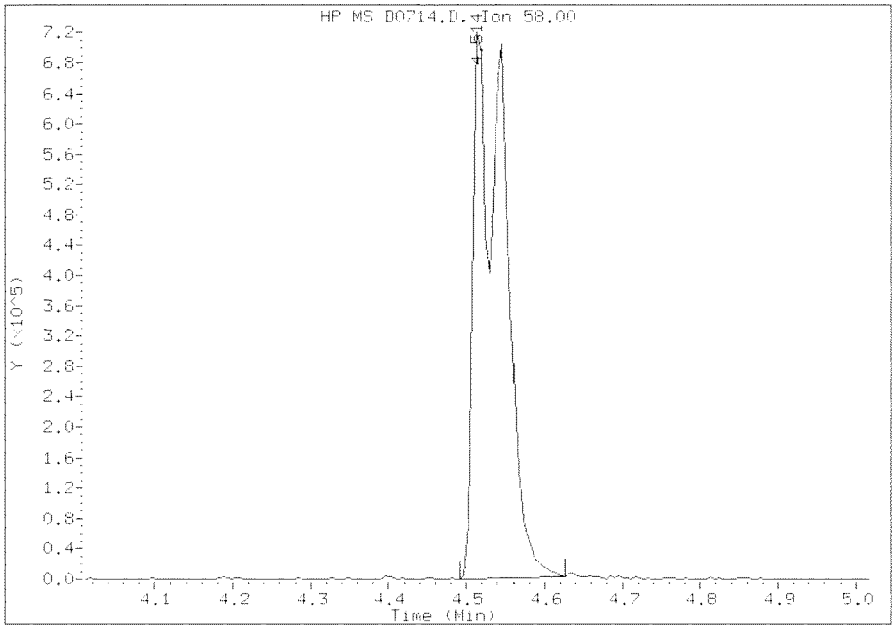
Manual Integration Results

RT: 4.51

Response: 1942788

Amount: 90

Conc: 90



Manually Integrated By: hoffmanm
Modification Date: 08-May-2012 11:06
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119208/2 | Calibration Date: 05/09/2012 14:01

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0755.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6147	0.6092		79300	80000	-0.9	35.0
N-Nitrosodimethylamine	Ave	0.9829	1.016		82700	80000	3.4	35.0
Pyridine	Ave	1.644	1.670		81300	80000	1.6	35.0
Phenol	Ave	1.779	1.844		82900	80000	3.7	20.0
Aniline	Ave	2.301	2.440		84800	80000	6.0	35.0
Bis(2-chloroethyl)ether	Ave	1.473	1.464		79500	80000	-0.6	35.0
n-Decane	Ave	1.096	1.352		98600	80000	23.3	35.0
2-Chlorophenol	Ave	1.499	1.559		83200	80000	4.0	35.0
1,3-Dichlorobenzene	Ave	1.687	1.658		78700	80000	-1.7	35.0
1,4-Dichlorobenzene	Ave	1.721	1.686		78400	80000	-2.0	20.0
Benzyl alcohol	Ave	0.9222	0.9729		84400	80000	5.5	35.0
1,2-Dichlorobenzene	Ave	1.627	1.581		77700	80000	-2.8	35.0
2-Methylphenol	Ave	1.295	1.375		84900	80000	6.2	35.0
bis (2-chloroisopropyl) ether	Ave	1.272	1.530		96200	80000	20.2	35.0
Indene	Ave	2.150	2.214		82400	80000	3.0	35.0
3 & 4 Methylphenol	Ave	1.357	1.464		86300	80000	7.9	35.0
3-Methylphenol	Ave	1.357	1.464		86300	80000	7.9	35.0
4-Methylphenol	Ave	1.357	1.464		86300	80000	7.9	35.0
N-Nitrosodi-n-propylamine	Ave	1.237	1.258	0.0500	81400	80000	1.7	35.0
Acetophenone	Ave	2.047	2.078		81200	80000	1.5	35.0
Hexachloroethane	Ave	0.7811	0.8402		86100	80000	7.6	35.0
Nitrobenzene	Ave	0.5183	0.5696		87900	80000	9.9	35.0
Isophorone	Ave	0.8060	0.8559		85000	80000	6.2	35.0
2-Nitrophenol	Ave	0.2035	0.2185		85900	80000	7.4	20.0
2,4-Dimethylphenol	Ave	0.4100	0.4445		86700	80000	8.4	35.0
Benzoic acid	Ave	0.2027	0.2177		85900	80000	7.4	35.0
Bis(2-chloroethoxy)methane	Ave	0.4588	0.4781		83400	80000	4.2	35.0
2,4-Dichlorophenol	Ave	0.3440	0.3674		85400	80000	6.8	20.0
1,2,4-Trichlorobenzene	Ave	0.4591	0.4796		83600	80000	4.5	35.0
Naphthalene	Ave	1.085	1.098		81000	80000	1.2	35.0
4-Chloroaniline	Ave	0.4682	0.5102		87200	80000	9.0	35.0
Hexachlorobutadiene	Ave	0.2975	0.3173		85300	80000	6.6	20.0
Caprolactam	Ave	0.1237	0.1457		94300	80000	17.8	35.0
4-Chloro-3-methylphenol	Ave	0.3266	0.3529		86400	80000	8.1	20.0
2-Methylnaphthalene	Ave	0.7491	0.7665		81900	80000	2.3	35.0
1-Methylnaphthalene	Ave	0.7066	0.7199		81500	80000	1.9	35.0
Hexachlorocyclopentadiene	Ave	0.5085	0.5318	0.0500	83700	80000	4.6	35.0
2,4,6-Trichlorophenol	Ave	0.4387	0.4669		85100	80000	6.4	20.0
2,3-Dichlorobenzenamine	Ave	0.6503	0.6610		81300	80000	1.6	50.0
2,4,5-Trichlorophenol	Ave	0.4345	0.4314		79400	80000	-0.7	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119208/2 | Calibration Date: 05/09/2012 14:01

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0755.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.142	1.099		77000	80000	-3.7	35.0
2-Nitroaniline	Ave	0.3755	0.4176		89000	80000	11.2	35.0
Dimethyl phthalate	Ave	1.298	1.278		78800	80000	-1.6	35.0
2,6-Dinitrotoluene	Ave	0.2933	0.2661		72600	80000	-9.3	35.0
Acenaphthylene	Ave	1.733	1.704		78600	80000	-1.7	35.0
3-Nitroaniline	Ave	0.2988	0.3094		82800	80000	3.5	35.0
Acenaphthene	Ave	1.112	1.072		77200	80000	-3.5	20.0
2,4-Dinitrophenol	Lin1	0.1916	0.2096	0.0500	82400	80000	3.0	35.0
4-Nitrophenol	Ave	0.2988	0.3748	0.0500	100000	80000	25.4	35.0
2,4-Dinitrotoluene	Qua	0.4172	0.4092		78800	80000	-1.5	35.0
Dibenzofuran	Ave	1.687	1.708		81000	80000	1.3	35.0
Hexadecane	Ave	0.5380	0.6073		90300	80000	12.9	35.0
Diethyl phthalate	Ave	1.341	1.290		77000	80000	-3.8	35.0
4-Chlorophenyl phenyl ether	Ave	0.7353	0.7651		83200	80000	4.1	35.0
Fluorene	Ave	1.399	1.357		77600	80000	-3.0	35.0
4-Nitroaniline	Ave	0.2841	0.2880		81100	80000	1.4	35.0
4,6-Dinitro-2-methylphenol	Ave	0.1538	0.1575		82000	80000	2.4	35.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.6672	0.6671		80000	80000	-0.0	20.0
1,2-Diphenylhydrazine	Ave	1.691	1.927		92200	80900	13.9	35.0
Azobenzene	Ave	1.710	1.948		91200	80000	13.9	35.0
4-Bromophenyl phenyl ether	Ave	0.2494	0.2530		81100	80000	1.4	35.0
Hexachlorobenzene	Ave	0.2823	0.2873		81400	80000	1.8	35.0
Atrazine	Ave	0.2259	0.2350		83200	80000	4.0	35.0
Pentachlorophenol	Qua	0.1989	0.2028		82400	80000	3.0	20.0
Phenanthrene	Ave	1.102	1.128		81900	80000	2.4	35.0
Anthracene	Ave	1.134	1.165		82200	80000	2.7	35.0
Carbazole	Ave	1.019	1.022		80300	80000	0.3	35.0
Alachlor	Ave	0.1593	0.1689		84800	80000	6.0	35.0
Di-n-butyl phthalate	Ave	1.192	1.273		85400	80000	6.8	35.0
Fluoranthene	Ave	1.260	1.326		84100	80000	5.2	20.0
Benzidine	Ave	0.6459	0.7219		89400	80000	11.8	50.0
Pyrene	Ave	1.070	1.082		80900	80000	1.2	35.0
Famphur	Ave	0.4095	0.5038		98400	80000	23.0	35.0
Butyl benzyl phthalate	Ave	0.4470	0.4705		84200	80000	5.2	35.0
Bis(2-ethylhexyl) phthalate	Ave	0.5729	0.6320		88200	80000	10.3	35.0
3,3'-Dichlorobenzidine	Ave	0.4026	0.4472		88900	80000	11.1	35.0
Benzo[a]anthracene	Ave	1.096	1.118		81600	80000	2.0	35.0
Chrysene	Ave	0.9676	1.010		83500	80000	4.4	35.0
Di-n-octyl phthalate	Ave	0.9085	1.025		90200	80000	12.8	20.0
Benzo[b]fluoranthene	Ave	1.237	1.234		79800	80000	-0.2	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119208/2 | Calibration Date: 05/09/2012 14:01

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 10:04

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 12:15

Lab File ID: D0755.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[k]fluoranthene	Ave	1.321	1.306		79100	80000	-1.1	35.0
Benzo[a]pyrene	Ave	1.133	1.146		80900	80000	1.2	20.0
Dibenz(a,h)anthracene	Qua	1.157	1.225		78600	80000	-1.8	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.160	1.307		90200	80000	12.7	35.0
Benzo[g,h,i]perylene	Ave	1.050	1.091		83100	80000	3.9	35.0
2-Fluorophenol	Ave	1.367	1.466		129000	120000	7.2	35.0
Phenol-d5	Ave	1.752	1.922		132000	120000	9.7	35.0
Nitrobenzene-d5	Ave	0.5206	0.5687		87400	80000	9.2	35.0
2-Fluorobiphenyl	Ave	1.304	1.312		80500	80000	0.7	35.0
2,4,6-Tribromophenol	Qua	0.2339	0.2584		128000	120000	6.6	35.0
Terphenyl-d14	Ave	0.7394	0.7778		84200	80000	5.2	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0755.D
Lab Smp Id: CCV-1394532
Inj Date : 09-MAY-2012 14:01
Operator : hoffmanm Inst ID: D.i
Smp Info : CCV-1394532,,HSL080
Misc Info :
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\8270C.m
Meth Date : 10-May-2012 07:39 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	320860	40.0000	
* 58 Naphthalene-d8	136	4.689	4.689	(1.000)	1133706	40.0000	
* 96 Acenaphthene-d10	164	6.367	6.367	(1.000)	795407	40.0000	
* 135 Phenanthrene-d10	188	7.697	7.697	(1.000)	1393610	40.0000	
* 166 Chrysene-d12	240	9.983	9.983	(1.000)	1775994	40.0000	
* 179 Perylene-d12	264	11.228	11.228	(1.000)	1585403	40.0000	
$ 22 2-Chlorophenol-d4	132	3.348	3.348	(0.946)	1494425	120.000	123.662
$ 29 1,2-Dichlorobenzene-d4	152	3.674	3.674	(1.038)	688833	80.0000	81.3932
$ 8 2-Fluorophenol	112	2.510	2.510	(0.709)	1411121	120.000	128.658
$ 15 Phenol-d5	99	3.204	3.204	(0.905)	1850202	120.000	131.644
$ 43 Nitrobenzene-d5	82	4.027	4.027	(0.859)	1289438	80.0000	87.3846
$ 81 2-Fluorobiphenyl	172	5.720	5.720	(0.898)	2087867	80.0000	80.5257
$ 118 2,4,6-Tribromophenol	330	7.088	7.088	(1.113)	616687	120.000	127.922
$ 154 Terphenyl-d14	244	9.048	9.048	(0.906)	2762639	80.0000	84.1518
4 1,4-Dioxane	88	1.543	1.543	(0.436)	390950	80.0000	79.2852
5 N-Nitrosodimethylamine	74	1.703	1.703	(0.481)	652152	80.0000	82.7145
6 Pyridine	79	1.730	1.730	(0.489)	1071622	80.0000	81.2528
16 Phenol	94	3.215	3.215	(0.908)	1183462	80.0000	82.9233
18 Aniline	93	3.268	3.268	(0.923)	1565699	80.0000	84.8261
19 Methyl Styrene	118	3.295	3.295	(0.931)	1030349	80.0000	83.3485
20 Bis(2-chloroethyl) ether	93	3.300	3.300	(0.932)	939445	80.0000	79.4886
21 Decane	43	3.354	3.354	(0.947)	867563	80.0000	98.6382

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2-Chlorophenol	128	3.359	3.359	(0.949)	1000381	80.0000	83.2210
25	1,3-Dichlorobenzene	146	3.493	3.493	(0.986)	1064280	80.0000	78.6584
27	1,4-Dichlorobenzene	146	3.551	3.551	(1.003)	1081766	80.0000	78.3663
28	Benzyl alcohol	108	3.642	3.642	(1.029)	624317	80.0000	84.3933
30	1,2-Dichlorobenzene	146	3.685	3.685	(1.041)	1014741	80.0000	77.7393
32	2-Methylphenol	108	3.728	3.728	(1.053)	882316	80.0000	84.9224
34	2,2'-oxybis(1-chloropropane)	45	3.749	3.749	(1.059)	981855	80.0000	96.1928
35	1H-Indene	116	3.760	3.760	(1.062)	1420992	80.0000	82.3974
138	3-Methylphenol	108	3.866	3.866	(1.092)	939501	80.0000	86.3110
36	4-Methylphenol	108	3.866	3.866	(1.092)	939501	80.0000	86.3110
139	3 & 4-Methylphenol	108	3.866	3.866	(1.092)	939501	80.0000	86.3110
37	N-nitrosodi-n-propylamine	70	3.872	3.872	(1.094)	807316	80.0000	81.3614
38	Acetophenone	105	3.882	3.882	(1.097)	1333724	80.0000	81.2270
41	Hexachloroethane	117	3.979	3.979	(1.124)	539179	80.0000	86.0534
44	Nitrobenzene	77	4.043	4.043	(0.862)	1291411	80.0000	87.9112
47	Isophorone	82	4.246	4.246	(0.905)	1940749	80.0000	84.9522
50	2,4-Dimethylphenol	107	4.347	4.347	(0.927)	1007848	80.0000	86.7290
49	2-Nitrophenol	139	4.331	4.331	(0.924)	495484	80.0000	85.8915
53	Benzoic acid	122	4.427	4.427	(0.944)	493716	80.0000	85.9346
52	Bis(2-chloroethoxy)methane	93	4.438	4.438	(0.946)	1084100	80.0000	83.3731
54	2,4-Dichlorophenol	162	4.545	4.545	(0.969)	833004	80.0000	85.4347
56	n-Dodecane	43	4.636	4.636	(0.989)	894640	80.0000	103.022
57	1,2,4-Trichlorobenzene	180	4.630	4.630	(0.987)	1087360	80.0000	83.5698
59	Naphthalene	128	4.705	4.705	(1.003)	2489025	80.0000	80.9562
60	4-Chloroaniline	127	4.759	4.759	(1.015)	1156754	80.0000	87.1722
62	Hexachlorobutadiene	225	4.812	4.812	(1.026)	719507	80.0000	85.3169
67	Caprolactam	55	5.095	5.095	(1.087)	330423	80.0000	94.2712
68	4-Chloro-3-methylphenol	107	5.218	5.218	(1.113)	800214	80.0000	86.4405
71	2-Methylnaphthalene	142	5.368	5.368	(1.145)	1738067	80.0000	81.8675
72	1-Methylnaphthalene	142	5.464	5.464	(1.165)	1632390	80.0000	81.5150
74	Hexachlorocyclopentadiene	237	5.512	5.512	(0.866)	846058	80.0000	83.6786
78	2,4,6-Trichlorophenol	196	5.645	5.645	(0.887)	742743	80.0000	85.1332
79	2,3-Dichlorobenzeneamine	161	5.651	5.651	(0.888)	1051473	80.0000	81.3125
80	2,4,5-Trichlorophenol	196	5.683	5.683	(0.893)	686279	80.0000	79.4314
83	Tetradecane	43	5.774	5.774	(0.907)	888558	80.0000	97.6794
86	2-Chloronaphthalene	162	5.843	5.843	(0.918)	1748700	80.0000	77.0326
88	2-Nitroaniline	65	5.955	5.955	(0.935)	664390	80.0000	88.9896
91	Dimethyl phthalate	163	6.110	6.110	(0.960)	2032592	80.0000	78.7586
93	2,6-Dinitrotoluene	165	6.180	6.180	(0.971)	423375	80.0000	72.5862
94	Acenaphthylene	152	6.238	6.238	(0.980)	2710349	80.0000	78.6286
95	3-Nitroaniline	138	6.340	6.340	(0.996)	492149	80.0000	82.8358
97	Acenaphthene	153	6.399	6.399	(1.005)	1705957	80.0000	77.1625
98	2,4-Dinitrophenol	184	6.436	6.436	(1.011)	333436	80.0000	82.3974
99	4-Nitrophenol	109	6.495	6.495	(1.020)	596217	80.0000	100.350
101	2,4-Dinitrotoluene	165	6.548	6.548	(1.029)	651012	80.0000	78.8125
102	Dibenzofuran	168	6.559	6.559	(1.030)	2717377	80.0000	81.0273
105	Hexadecane	57	6.735	6.735	(1.058)	966101	80.0000	90.2985
107	Diethyl phthalate	149	6.751	6.751	(1.060)	2051973	80.0000	76.9629
109	4-Chlorophenyl phenyl ether	204	6.858	6.858	(1.077)	1217175	80.0000	83.2454
110	Fluorene	166	6.869	6.869	(1.079)	2158999	80.0000	77.6284
112	4-Nitroaniline	138	6.906	6.906	(1.085)	458110	80.0000	81.0912
113	4,6-Dinitro-2-methylphenol	198	6.917	6.917	(0.899)	439026	80.0000	81.9514
115	N-nitrosodiphenylamine	169	6.970	6.970	(0.906)	1859446	80.0000	79.9912
116	Azobenzene	77	7.002	7.002	(1.100)	3099319	80.0000	91.1551

EPAPAV0011979

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234	1,2-DPH(as Azobenzene)	77	7.002	7.002	(1.100)	3099319	80.8780	92.1555
242	2,4,6 - Tribromophenol	330	7.088	7.088	(1.113)	616687	120.000	127.922
124	4-Bromophenyl phenyl ether	248	7.296	7.296	(0.948)	705070	80.0000	81.1408
125	Hexachlorobenzene	284	7.355	7.355	(0.956)	800818	80.0000	81.4184
127	Atrazine	200	7.435	7.435	(0.966)	654984	80.0000	83.2299
128	n-Octadecane	85	7.542	7.542	(0.980)	531914	80.0000	79.7691
129	Pentachlorophenol	266	7.531	7.531	(0.978)	565152	80.0000	82.3856
136	Phenanthrene	178	7.718	7.718	(1.003)	3142669	80.0000	81.8866
137	Anthracene	178	7.766	7.766	(1.009)	3247637	80.0000	82.1894
140	Carbazole	167	7.905	7.905	(1.027)	2848662	80.0000	80.2643
141	Alachlor	188	7.996	7.996	(1.039)	470880	80.0000	84.8250
143	Di-n-butyl phthalate	149	8.162	8.162	(1.060)	3546893	80.0000	85.4024
144	n-Eicosane	43	8.252	8.252	(1.072)	964927	80.0000	101.001
149	Fluoranthene	202	8.738	8.738	(1.135)	3694544	80.0000	84.1398
150	n-docosane	43	8.888	8.888	(1.155)	917142	80.0000	98.0818
151	Benzidine	184	8.856	8.856	(0.887)	2564018	80.0000	89.4014
152	Pyrene	202	8.936	8.936	(0.895)	3843639	80.0000	80.9341
158	Famphur	218	9.412	9.412	(0.943)	1789338	80.0000	98.4103
159	Butyl benzyl phthalate	149	9.444	9.444	(0.946)	1671138	80.0000	84.1931
162	Bis(2-ethylhexyl) phthalate	149	9.914	9.914	(0.993)	2244734	80.0000	88.2447
164	3 3'-Dichlorobenzidine	252	9.946	9.946	(0.996)	1588412	80.0000	88.8671
165	Benzo(a)anthracene	228	9.973	9.973	(0.999)	3970123	80.0000	81.5984
167	Chrysene	228	10.005	10.005	(1.002)	3588981	80.0000	83.5418
168	Di-n-octyl phthalate	149	10.469	10.469	(1.049)	3640399	80.0000	90.2457
171	Benzo(b)fluoranthene	252	10.902	10.902	(0.971)	3913378	80.0000	79.8051
172	Benzo(k)fluoranthene	252	10.923	10.923	(0.973)	4141033	80.0000	79.1037(H)
178	Benzo(a)pyrene	252	11.180	11.180	(0.996)	3635091	80.0000	80.9308
185	Dibenz(a,h)anthracene	278	12.093	12.093	(1.077)	3885123	80.0000	78.5682
186	Indeno(1,2,3-cd)pyrene	276	12.093	12.093	(1.211)	4642848	80.0000	90.1565
188	Benzo(g,h,i)perylene	276	12.344	12.344	(1.099)	3457802	80.0000	83.1135

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: D0755.D

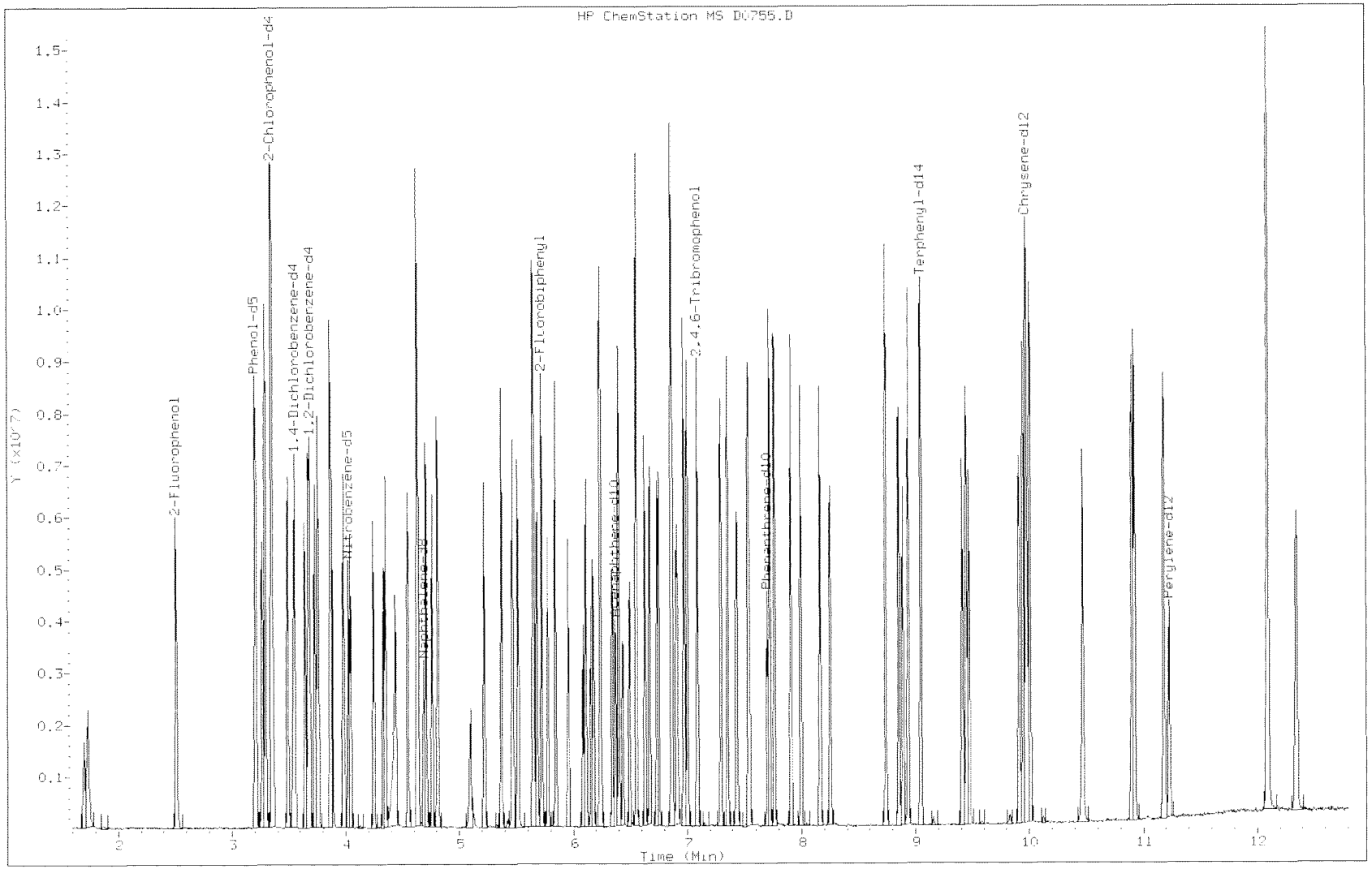
Date: 09-MAY-2012 14:01

Client ID:

Instrument: D.i

Sample Info: CCV-1394532,,HSL080

Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119208/3 | Calibration Date: 05/09/2012 14:20

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0756.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.450	1.562		86200	80000	7.8	50.0
N-Nitrosomethylethylamine	Ave	0.6551	0.6603		80600	80000	0.8	50.0
Methyl methanesulfonate	Ave	0.4728	0.7167		121000	80000	51.6*	50.0
N-Nitrosodiethylamine	Ave	0.6605	0.6810		82500	80000	3.1	50.0
Ethyl methanesulfonate	Ave	1.203	1.308		87000	80000	8.7	50.0
Pentachloroethane	Ave	0.6038	0.6336		84000	80000	4.9	50.0
N-Nitrosopyrrolidine	Ave	0.7714	0.8327		86400	80000	7.9	50.0
N-Nitrosomorpholine	Ave	0.2890	0.2919		80800	80000	1.0	50.0
2-Toluidine	Ave	2.202	2.195		79800	80000	-0.3	50.0
N-Nitrosopiperidine	Ave	0.1777	0.1831		82400	80000	3.0	50.0
o,o',o''-Triethylphosphorothioate	Ave	0.2412	0.2488		82500	80000	3.2	50.0
a,a-Dimethylphenethylamine	Ave	0.7208	0.8323		92400	80000	15.5	50.0
2,6-Dichlorophenol	Ave	0.3480	0.3498		80400	80000	0.5	35.0
Hexachloropropene	Ave	0.4204	0.4499		85600	80000	7.0	50.0
N-Nitrosodi-n-butylamine	Ave	0.2840	0.2951		83100	80000	3.9	50.0
p-Phenylene diamine	Ave	0.4607	0.5313		92300	80000	15.3	50.0
Safrole, Total	Ave	0.3295	0.3266		79300	80000	-0.9	35.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4770	0.4842		81200	80000	1.5	50.0
1,1'-Biphenyl	Ave	1.437	1.405		78200	80000	-2.2	50.0
1-Chloronaphthalene	Ave	1.178	1.120		76000	80000	-5.0	35.0
1,4-Naphthoquinone	Ave	0.2629	0.3163		96300	80000	20.3	50.0
1,4-Dinitrobenzene	Ave	0.1950	0.1902		78000	80000	-2.5	50.0
1,3-Dinitrobenzene	Ave	0.2175	0.2160		79500	80000	-0.7	50.0
Pentachlorobenzene	Ave	0.6286	0.6299		80200	80000	0.2	50.0
1-Naphthylamine	Ave	1.263	1.259		79800	80000	-0.3	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3905	0.3917		80300	80000	0.3	35.0
2-Naphthylamine	Ave	1.190	1.186		79700	80000	-0.4	50.0
Thionazin	Ave	0.3423	0.3490		81600	80000	2.0	35.0
5-Nitro-o-toluidine	Ave	0.3641	0.3506		77000	80000	-3.7	50.0
Diphenylamine	Ave	1.208	1.200		79500	80000	-0.6	50.0
Sulfotepp	Ave	0.1637	0.1771		86600	80000	8.2	50.0
1,3,5-Trinitrobenzene	Lin1	0.0977	0.1031		74300	80000	-7.1	50.0
Phorate	Ave	0.1396	0.1413		80900	80000	1.2	50.0
Phenacetin	Ave	0.3836	0.4244		88500	80000	10.6	50.0
Dimethoate	Ave	0.2066	0.2223		86100	80000	7.6	50.0
4-Aminobiphenyl	Ave	0.9323	0.9745		83600	80000	4.5	50.0
Pentachloronitrobenzene	Lin2	0.1755	0.1911		81200	80000	1.5	50.0
Pronamide	Ave	0.3823	0.4001		83700	80000	4.6	50.0
2-sec-Butyl-4,6-dinitrophenol	Qua	0.2403	0.2532		86400	80000	8.0	50.0
Disulfoton	Ave	0.3701	0.3864		83500	80000	4.4	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119208/3 | Calibration Date: 05/09/2012 14:20

Instrument ID: MSS_D | Calib Start Date: 05/02/2012 07:20

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/02/2012 09:07

Lab File ID: D0756.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl parathion	Ave	0.2153	0.2283		84800	80000	6.0	50.0
Ethyl Parathion	Ave	0.1689	0.1881		89100	80000	11.3	50.0
4-Nitroquinoline-1-oxide	Lin2	0.1099	0.1078		75800	80000	-5.2	50.0
Methapyrilene	Ave	0.3033	0.3276		86400	80000	8.0	50.0
Isodrin	Ave	0.1581	0.1742		88100	80000	10.2	50.0
p-Dimethylamino azobenzene	Ave	0.3119	0.3064		78600	80000	-1.8	50.0
Ethyl 4,4'-Dichlorobenzilate	Lin1	0.3356	0.3413		74300	80000	-7.2	50.0
3,3'-Dimethylbenzidine	Ave	0.7249	0.7514		82900	80000	3.7	50.0
2-Acetylaminofluorene	Ave	0.4299	0.4502		83800	80000	4.7	50.0
7,12-Dimethylbenz(a)anthracene	Lin1	0.6701	0.6434		73700	80000	-7.9	50.0
3-Methylcholanthrene	Lin1	0.6945	0.6771		74700	80000	-6.6	50.0
Dibenz[a,j]acridine	Qua	0.8739	0.9062		81200	80000	1.5	50.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0756.D
Lab Smp Id: CCV-1397576
Inj Date : 09-MAY-2012 14:20
Operator : hoffmanm Inst ID: D.i
Smp Info : CCV-1397576,,AP9080
Misc Info :
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\8270C.m
Meth Date : 10-May-2012 07:39 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	3.540	3.540	(1.000)	324768	40.0000	
* 58	Naphthalene-d8	136	4.689	4.689	(1.000)	1168613	40.0000	
* 96	Acenaphthene-d10	164	6.366	6.366	(1.000)	799445	40.0000	
* 135	Phenanthrene-d10	188	7.702	7.702	(1.000)	1361608	40.0000	
* 166	Chrysene-d12	240	9.988	9.988	(1.000)	1616425	40.0000	
* 179	Perylene-d12	264	11.244	11.244	(1.000)	1492992	40.0000	
9	2-Picoline	93	2.151	2.151	(0.608)	1014782	80.0000	86.2010
10	N-Nitrosomethylethylamine	88	2.210	2.210	(0.624)	428888	80.0000	80.6325
11	Methyl methanesulfonate	80	2.408	2.408	(0.680)	465534	80.0000	121.283
12	N-Nitrosodiethylamine	102	2.691	2.691	(0.760)	442312	80.0000	82.4764
13	Ethyl methanesulfonate	79	2.899	2.899	(0.819)	849367	80.0000	86.9726
24	Pentachloroethane	117	3.305	3.305	(0.934)	411559	80.0000	83.9538
39	N-Nitrosopyrrolidine	100	3.877	3.877	(1.095)	540865	80.0000	86.3548
40	N-Nitrosomorpholine	116	3.904	3.904	(1.103)	189599	80.0000	80.7941
42	o-Toluidine	106	3.914	3.914	(1.106)	1425846	80.0000	79.7569
46	N-Nitrosopiperidine	114	4.181	4.181	(0.892)	427855	80.0000	82.4292
51	O,O,O-Triethyl phosphorothio	198	4.400	4.400	(0.938)	581587	80.0000	82.5288
55	a,a-Dimethylphenethylamine	58	4.513	4.513	(0.962)	1945222	80.0000	92.3715 (M)
61	2,6-Dichlorophenol	162	4.764	4.764	(1.016)	817640	80.0000	80.4114
63	Hexachloropropene	213	4.785	4.785	(1.021)	1051566	80.0000	85.6165
64	N-Nitrosodi-n-butylamine	84	5.063	5.063	(1.080)	689706	80.0000	83.1237
66	p-Phenylenediamine	108	5.100	5.100	(1.088)	1241751	80.0000	92.2646

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
70	Safrole	162	5.277	5.277	(1.125)	763273	80.0000	79.2800
75	1,2,4,5-Tetrachlorobenzene	216	5.533	5.533	(1.180)	1131786	80.0000	81.2226
76	Isosafrole (#1)	162	5.560	5.560	(0.873)	136077	14.0000	15.0418
84	Isosafrole (#2)	104	5.784	5.784	(0.909)	510997	66.0000	71.7228
85	Biphenyl	154	5.821	5.821	(0.914)	2246985	80.0000	78.2465
87	1-Chloronaphthalene	162	5.870	5.870	(0.922)	1790224	80.0000	76.0192
89	1,4-Naphthoquinone	158	6.019	6.019	(0.945)	505782	80.0000	96.2738
90	1,4-Dinitrobenzene	168	6.083	6.083	(0.956)	304080	80.0000	78.0290
92	1,3-Dinitrobenzene	168	6.153	6.153	(0.966)	345423	80.0000	79.4588
100	Pentachlorobenzene	250	6.516	6.516	(1.023)	1007204	80.0000	80.1760
103	1-Naphthylamine	143	6.639	6.639	(1.043)	2013223	80.0000	79.7863
104	2,3,4,6-Tetrachlorophenol	232	6.671	6.671	(1.048)	626332	80.0000	80.2514
106	2-Naphthylamine	143	6.708	6.708	(1.054)	1895563	80.0000	79.7074
108	Thionazin	97	6.820	6.820	(1.071)	558019	80.0000	81.5630
111	5-Nitro-o-toluidine	152	6.890	6.890	(1.082)	560595	80.0000	77.0302
114	Diphenylamine	169	6.970	6.970	(1.095)	1918997	80.0000	79.4906
117	Sulfotepp	97	7.082	7.082	(0.920)	482189	80.0000	86.5525
119	Diallate (#1)	86	7.210	7.210	(0.936)	745882	57.8000	61.8666
120	1,3,5-Trinitrobenzene	213	7.216	7.216	(0.937)	280725	80.0000	74.3395
121	Phorate	121	7.221	7.221	(0.938)	384753	80.0000	80.9431
122	Phenacetin	108	7.242	7.242	(0.940)	1155713	80.0000	88.5170
123	Diallate (#2)	86	7.285	7.285	(0.946)	137190	22.6000	23.8178
126	Dimethoate	87	7.387	7.387	(0.959)	605379	80.0000	86.0657
130	4-Aminobiphenyl	169	7.536	7.536	(0.979)	2653760	80.0000	83.6197
131	Pentachloronitrobenzene	237	7.536	7.536	(0.979)	520378	80.0000	81.1734
132	Pronamide	173	7.563	7.563	(0.982)	1089444	80.0000	83.7171
133	Disulfoton	88	7.675	7.675	(0.997)	1052262	80.0000	83.5205
134	2-secbutyl-4,6-dinitropheno	211	7.675	7.675	(0.997)	689387	80.0000	86.3693
142	Methyl parathion	109	8.006	8.006	(1.040)	621572	80.0000	84.7964
145	Parathion	109	8.327	8.327	(1.081)	512097	80.0000	89.0691
146	4-Nitroquinoline-1-oxide	190	8.402	8.402	(1.091)	293505	80.0000	75.8403
147	Methapyrilene	97	8.423	8.423	(1.094)	892116	80.0000	86.4008
148	Isodrin	193	8.605	8.605	(1.117)	474278	80.0000	88.1459
153	Aramite (#1)	185	9.005	9.005	(0.902)	125616	36.0000	37.0264
155	Aramite (#2)	185	9.069	9.069	(0.908)	259623	43.2000	41.8829
156	p-Dimethylaminoazobenzene	120	9.171	9.171	(0.918)	990449	80.0000	78.5839
157	Chlorobenzilate	251	9.198	9.198	(0.921)	1103427	80.0000	74.2562
160	3,3'-Dimethylbenzidine	212	9.470	9.470	(0.948)	2429272	80.0000	82.9298
161	2-Acetylaminofluorene	181	9.695	9.695	(0.971)	1455526	80.0000	83.7737
M 173	Total Isosafrole	162				647074	80.0000	86.7647
M 174	Total Diallate	86				883072	80.0000	85.6844
M 175	Total Aramite	185				385239	80.0000	78.9094
176	7,12-Dimethylbenz(a)anthrac	256	10.907	10.907	(0.970)	1921149	80.0000	73.7152
181	3-Methylcholanthrene	268	11.468	11.468	(1.020)	2021825	80.0000	74.7215
184	Dibenz(a,j)acridine	279	11.949	11.949	(1.063)	2705777	80.0000	81.2040(H)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: D0756.D

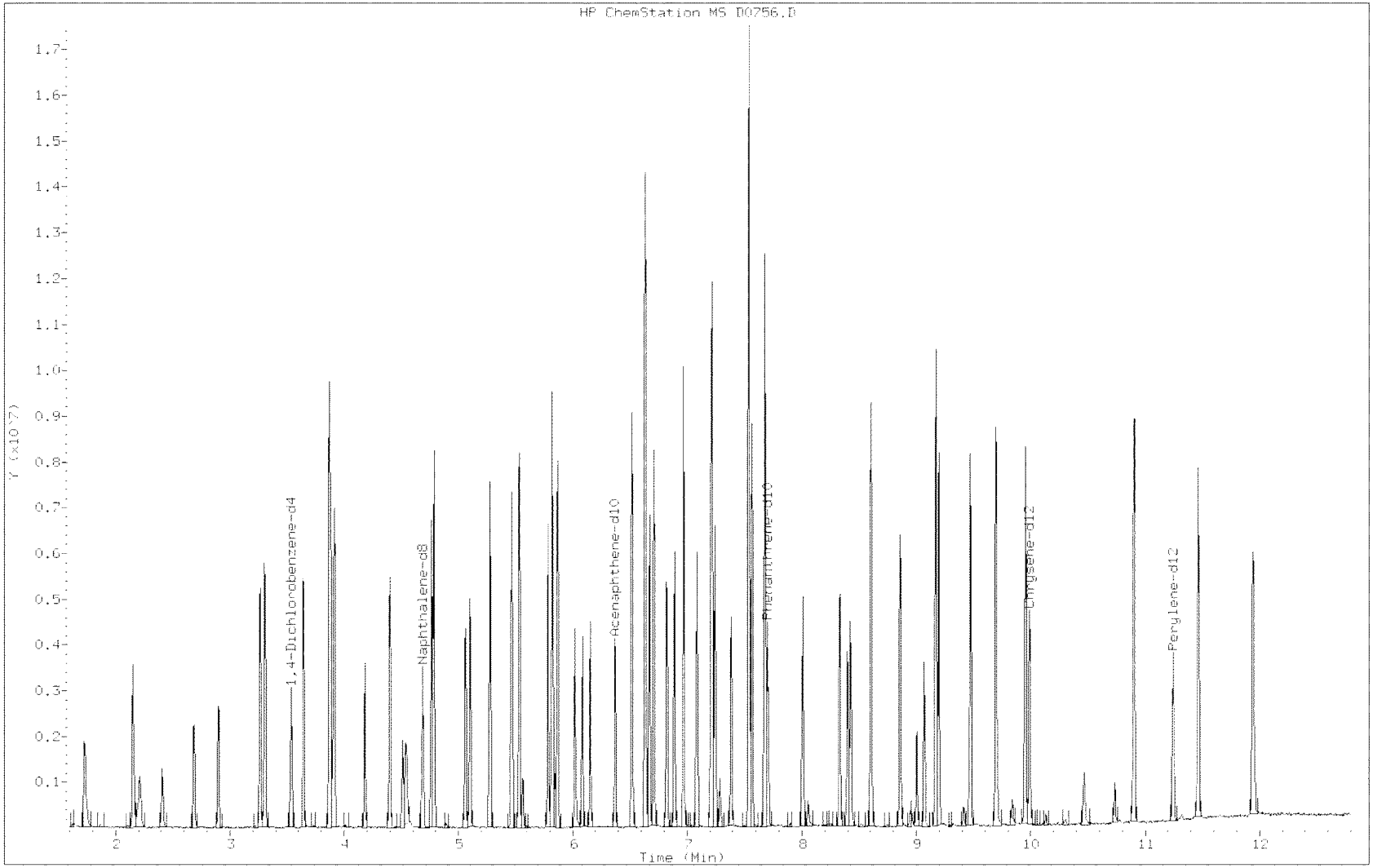
Date: 09-MAY-2012 14:20

Client ID:

Instrument: D.i

Sample Info: CCV-1397576,,AP9080

Operator: hoffmanm



Manual Integration Report

Data File: D0756.D
Inj. Date and Time: 09-MAY-2012 14:20
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 05/10/2012

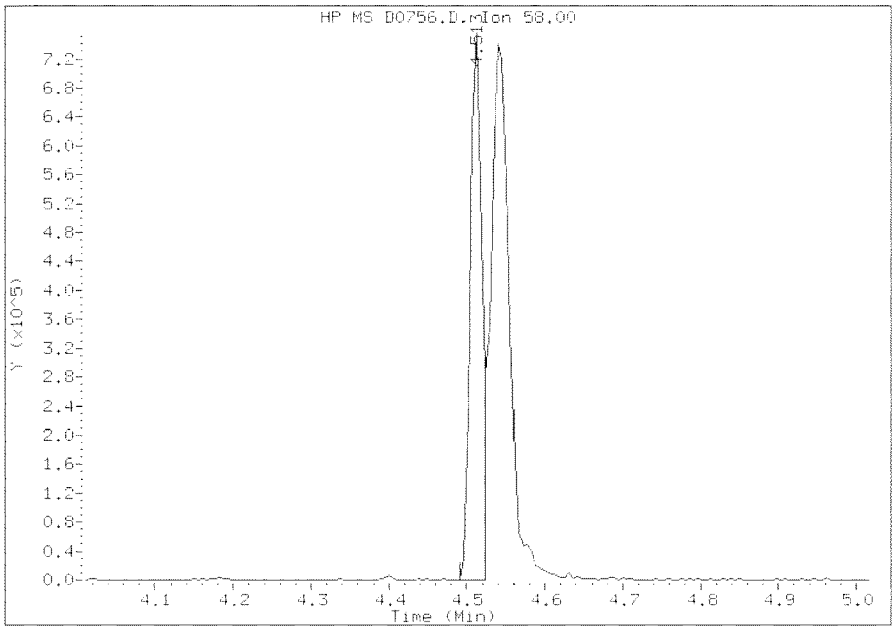
Processing Integration Results

RT: 4.51

Response: 769876

Amount: 37

Conc: 37



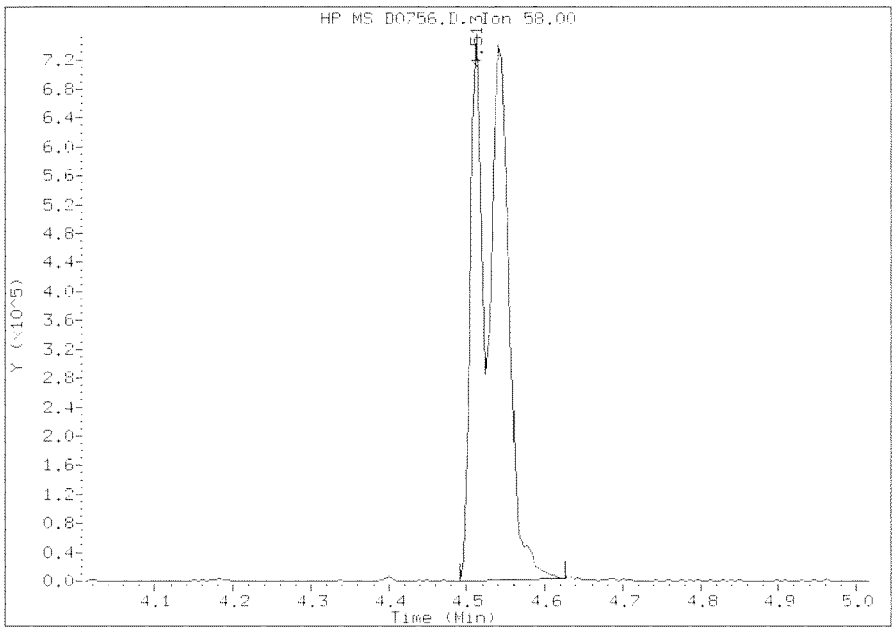
Manual Integration Results

RT: 4.51

Response: 1945222

Amount: 92

Conc: 92



Manually Integrated By: hoffmanm
Modification Date: 10-May-2012 07:31
Manual Integration Reason: Split Peak

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0509.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 02-MAY-2012 07:08
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

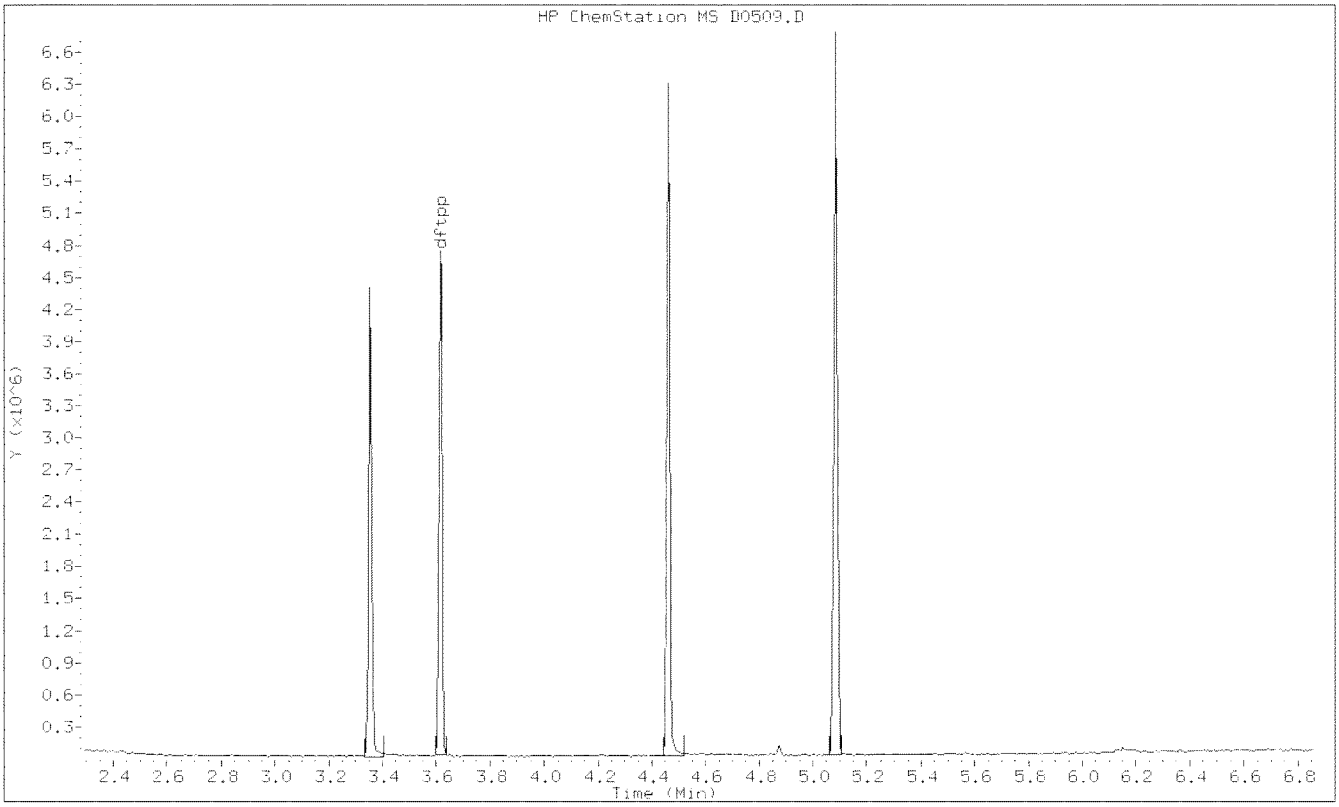
					CONCENTRATIONS				
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
1 dftpp							CAS #: 5074-71-5		
3.614	4.190	-0.576	198	351936			0.00-	100.00	100.00
3.614	4.190	-0.576	51	132096			30.00-	60.00	37.53
3.614	4.190	-0.576	68	1878			0.00-	2.00	1.07
3.614	4.190	-0.576	69	175808			0.00-	0.00	49.95
3.614	4.190	-0.576	70	724			0.00-	2.00	0.41
3.614	4.190	-0.576	127	186176			40.00-	60.00	52.90
3.614	4.190	-0.576	197	0	0.0	0.0	0.00-	1.00	0.00
3.614	4.190	-0.576	199	25816			5.00-	9.00	7.34
3.614	4.190	-0.576	275	94296			10.00-	30.00	26.79
3.614	4.190	-0.576	365	18856			1.00-	0.00	5.36
3.614	4.190	-0.576	441	26744			0.01-	99.99	75.96
3.614	4.190	-0.576	442	182336			40.00-	100.00	51.81
3.614	4.190	-0.576	443	35208			17.00-	23.00	19.31

Data File: D0509.D

Date: 02-MAY-2012 07:08

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



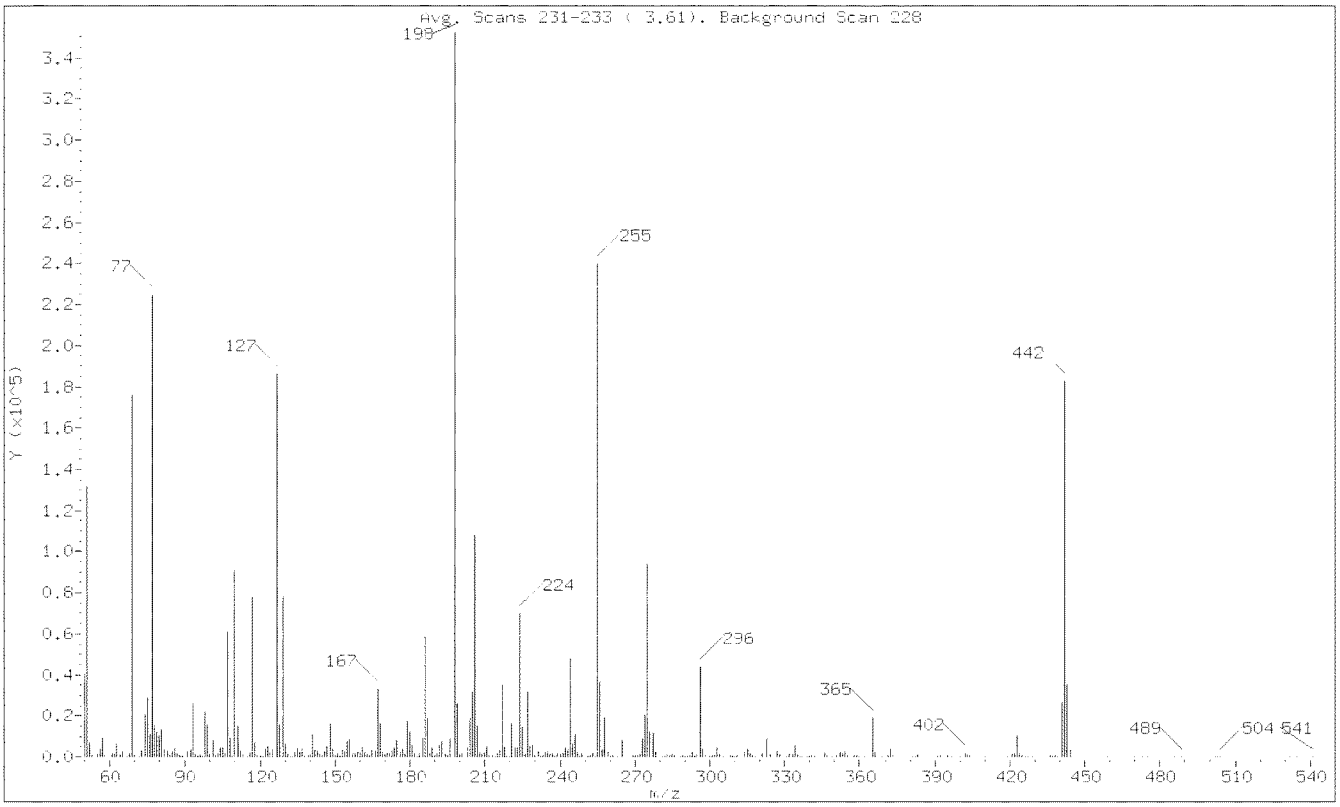
Data File: D0509.D

Date: 02-MAY-2012 07:08

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.53
68	Less than 2.00% of mass 69	0.53 (1.07)
69	Mass 69 relative abundance	49.95
70	Less than 2.00% of mass 69	0.21 (0.41)
127	40.00 - 60.00% of mass 198	52.90
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.34
275	10.00 - 30.00% of mass 198	26.79
365	Greater than 1.00% of mass 198	5.36
441	Present, but less than mass 443	7.60
442	40.00 - 100.00% of mass 198	51.81
443	17.00 - 23.00% of mass 442	10.00 (19.31)

Data File: D0509.D

Date: 02-MAY-2012 07:08

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\050212-A.b\D0509.D
Spectrum: Avg. Scans 231-233 (3.61), Background Scan 228
Location of Maximum: 198.00
Number of points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	40272	148.00	16089	241.00	1476	341.00	459
51.00	132096	149.00	3917	242.00	4417	342.00	490
52.00	7001	150.00	800	243.00	3564	343.00	97
53.00	674	151.00	1986	244.00	48072	344.00	145
55.00	1164	152.00	418	245.00	6244	345.00	169
56.00	4019	153.00	3289	246.00	10950	346.00	2494
57.00	9348	154.00	2928	247.00	2118	347.00	754
58.00	582	155.00	7706	248.00	331	349.00	109
61.00	1715	156.00	8900	249.00	1725	351.00	787
62.00	2001	157.00	1723	250.00	279	352.00	2251
63.00	6326	158.00	1465	251.00	418	353.00	1559
64.00	890	159.00	2282	252.00	786	354.00	2749
65.00	3157	160.00	2464	253.00	1488	355.00	454
66.00	19	161.00	4799	254.00	192	357.00	76
67.00	224	162.00	2211	255.00	239616	358.00	327
68.00	1878	163.00	997	256.00	36464	359.00	390
69.00	175808	164.00	560	257.00	3265	360.00	100
70.00	724	165.00	3589	258.00	19064	362.00	222
72.00	146	166.00	2943	259.00	3096	365.00	18856
73.00	2764	167.00	32840	260.00	746	366.00	2453
74.00	20944	168.00	16640	261.00	459	369.00	122
75.00	28560	169.00	2581	262.00	120	370.00	93
76.00	10752	170.00	984	263.00	339	371.00	409
77.00	224896	171.00	1493	265.00	8162	372.00	4229
78.00	15332	172.00	1840	266.00	82	373.00	850
79.00	12380	173.00	2802	269.00	356	374.00	136
80.00	10183	174.00	4719	270.00	346	376.00	79
81.00	13160	175.00	8329	271.00	545	381.00	51
82.00	4041	176.00	2346	272.00	987	382.00	178
83.00	2609	177.00	4239	273.00	8776	383.00	1421
84.00	335	178.00	1287	274.00	20128	384.00	257
85.00	2653	179.00	17512	275.00	94296	386.00	104
86.00	4171	180.00	12026	276.00	12340	388.00	104
87.00	1873	181.00	5618	277.00	11504	390.00	271
88.00	638	182.00	1683	278.00	3167	391.00	505
89.00	432	183.00	276	279.00	341	392.00	310
91.00	2663	184.00	2013	280.00	228	395.00	314
92.00	3242	185.00	9347	281.00	244	397.00	72
93.00	25984	186.00	58848	282.00	510	400.00	131
94.00	1595	187.00	19064	283.00	1202	401.00	277

95.00	518	188.00	1883	284.00	840	402.00	1969
96.00	955	189.00	4797	285.00	1406	403.00	1296
97.00	530	190.00	629	286.00	763	404.00	1258
98.00	21712	191.00	1805	288.00	116	405.00	114
99.00	15738	192.00	5832	289.00	579	406.00	284
100.00	1129	193.00	7214	290.00	348	410.00	76
101.00	8333	194.00	1223	291.00	714	415.00	25
102.00	425	195.00	348	292.00	474	416.00	197
103.00	2011	196.00	8406	293.00	2180	417.00	218
104.00	4726	198.00	351936	294.00	550	418.00	60
105.00	4324	199.00	25816	295.00	895	419.00	67
106.00	1649	200.00	1596	296.00	43752	421.00	1995
107.00	61272	201.00	1665	297.00	4106	422.00	1978
108.00	9386	203.00	4524	298.00	578	423.00	10583
109.00	462	204.00	18728	299.00	60	424.00	1931
110.00	91232	205.00	31952	300.00	71	425.00	526
111.00	14774	206.00	107912	301.00	338	426.00	108
112.00	2739	207.00	14930	302.00	649	427.00	120
113.00	892	208.00	2517	303.00	4392	429.00	161
115.00	254	209.00	1072	304.00	1153	430.00	93
116.00	1883	210.00	1838	305.00	274	434.00	134
117.00	78584	211.00	4935	307.00	131	435.00	177
118.00	6658	212.00	710	308.00	617	436.00	464
119.00	659	213.00	426	309.00	328	437.00	511
120.00	521	214.00	259	310.00	423	438.00	468
121.00	512	215.00	1441	311.00	297	439.00	270
122.00	3905	216.00	3376	312.00	65	441.00	26744
123.00	5463	217.00	35296	314.00	2120	442.00	182336
124.00	2685	218.00	4775	315.00	3876	443.00	35208
125.00	3466	219.00	316	316.00	1711	444.00	3402
127.00	186176	220.00	252	317.00	363	445.00	93
128.00	15571	221.00	15941	318.00	62	446.00	75
129.00	78120	222.00	4827	321.00	1532	459.00	52
130.00	6598	223.00	4706	322.00	219	466.00	96
131.00	1365	224.00	69896	323.00	8632	468.00	91
132.00	256	225.00	14394	324.00	1324	470.00	85
133.00	269	226.00	1422	325.00	152	473.00	71
134.00	2067	227.00	31968	327.00	2787	475.00	52
135.00	4303	228.00	5418	328.00	1120	483.00	74
136.00	2431	229.00	5847	329.00	66	486.00	77
137.00	3883	230.00	731	330.00	170	489.00	98
138.00	670	231.00	2961	331.00	246	502.00	112
139.00	594	232.00	552	332.00	1010	503.00	57
140.00	1109	233.00	560	333.00	992	504.00	206
141.00	10964	234.00	2311	334.00	5950	508.00	61
142.00	3473	235.00	2655	335.00	907	524.00	86
143.00	2759	236.00	1974	336.00	248	532.00	58
144.00	1001	237.00	1475	337.00	112	535.00	136
145.00	1037	238.00	269	338.00	52	541.00	111
146.00	2648	239.00	1698	339.00	121		
147.00	5047	240.00	1215	340.00	300		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0509.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 02-MAY-2012 07:08
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

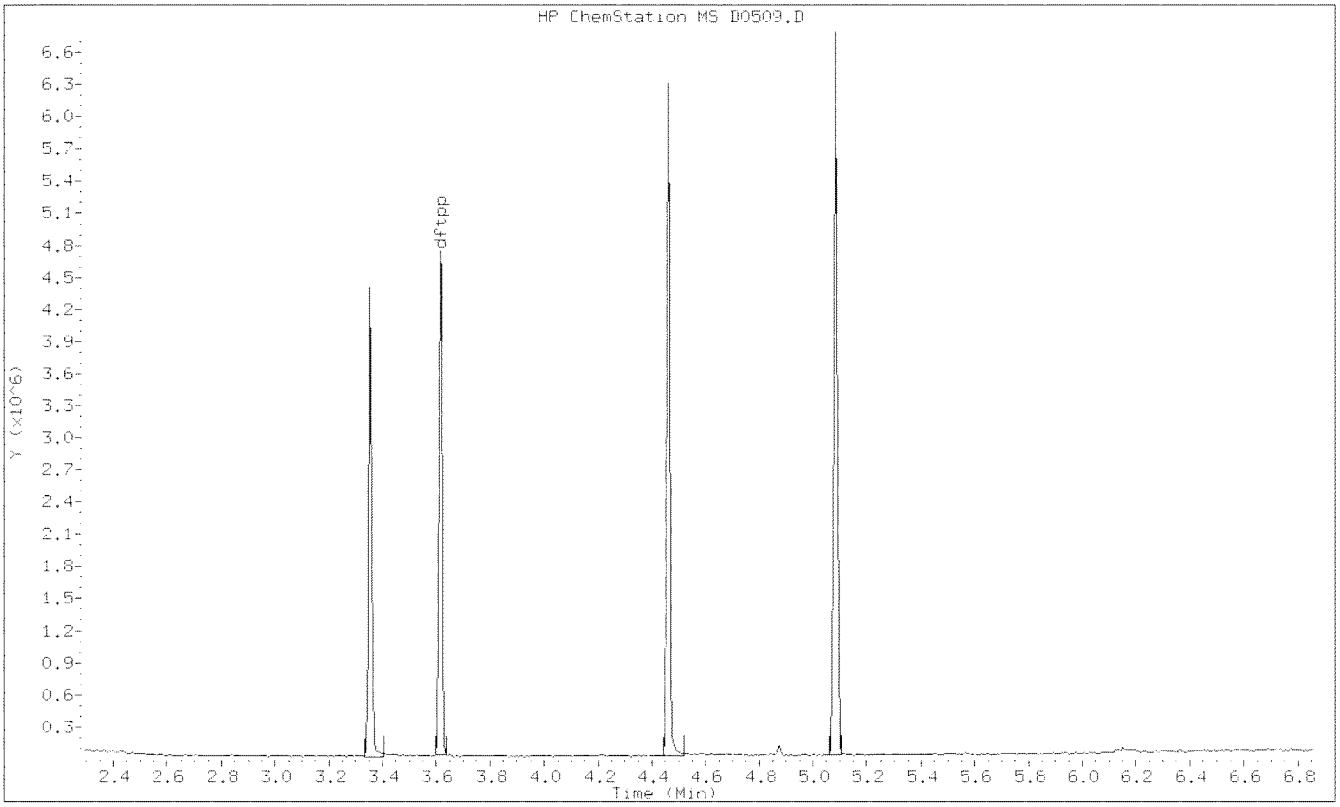
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
3.614	4.190	-0.576	198	351936			0.00- 100.00	100.00
3.614	4.190	-0.576	51	132096			30.00- 60.00	37.53
3.614	4.190	-0.576	68	1878			0.00- 2.00	1.07
3.614	4.190	-0.576	69	175808			0.00- 0.00	49.95
3.614	4.190	-0.576	70	724			0.00- 2.00	0.41
3.614	4.190	-0.576	127	186176			40.00- 60.00	52.90
3.614	4.190	-0.576	197	0	0.0	0.0	0.00- 1.00	0.00
3.614	4.190	-0.576	199	25816			5.00- 9.00	7.34
3.614	4.190	-0.576	275	94296			10.00- 30.00	26.79
3.614	4.190	-0.576	365	18856			1.00- 0.00	5.36
3.614	4.190	-0.576	441	26744			0.01- 99.99	75.96
3.614	4.190	-0.576	442	182336			40.00- 100.00	51.81
3.614	4.190	-0.576	443	35208			17.00- 23.00	19.31

Data File: D0509.D

Date: 02-MAY-2012 07:08

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



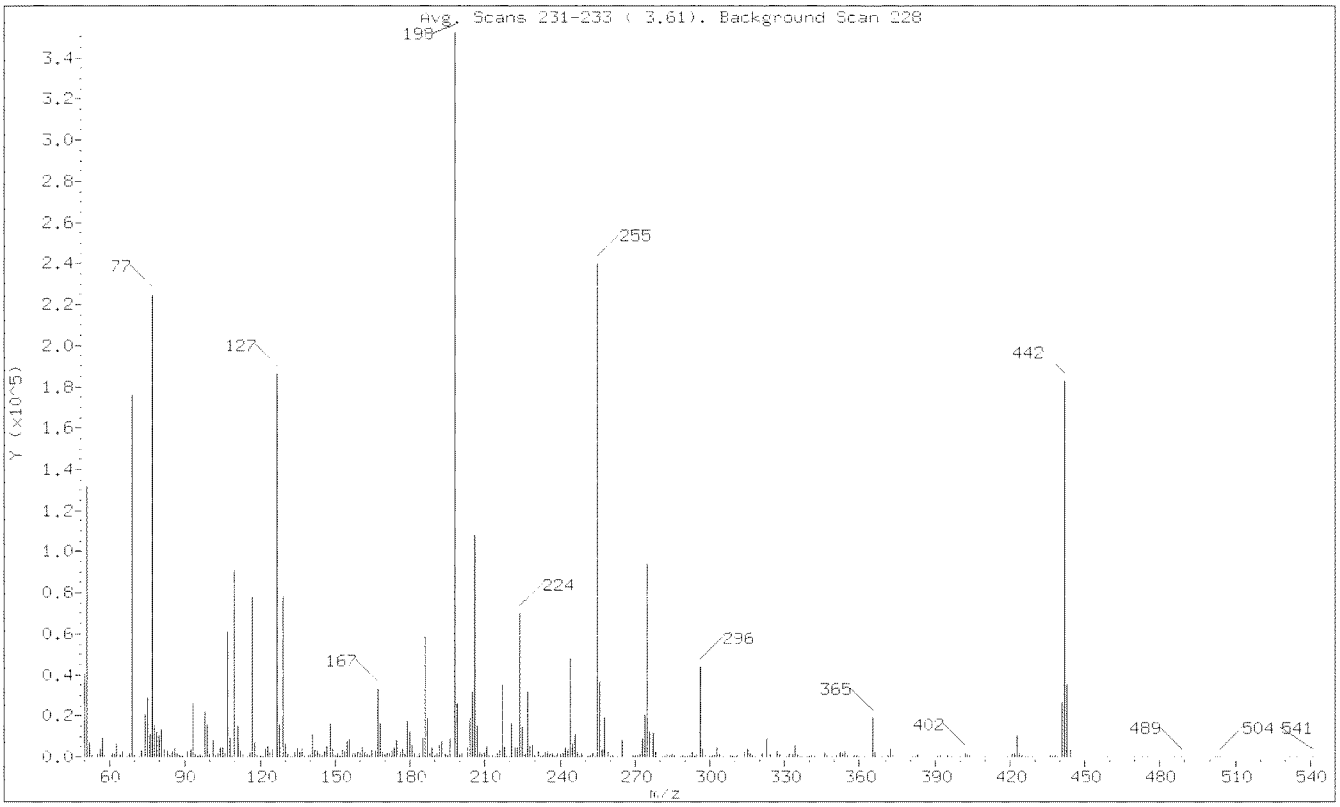
Data File: D0509.D

Date: 02-MAY-2012 07:08

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.53
68	Less than 2.00% of mass 69	0.53 (1.07)
69	Mass 69 relative abundance	49.95
70	Less than 2.00% of mass 69	0.21 (0.41)
127	40.00 - 60.00% of mass 198	52.90
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.34
275	10.00 - 30.00% of mass 198	26.79
365	Greater than 1.00% of mass 198	5.36
441	Present, but less than mass 443	7.60
442	40.00 - 100.00% of mass 198	51.81
443	17.00 - 23.00% of mass 442	10.00 (19.31)

Data File: D0509.D

Date: 02-MAY-2012 07:08

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\050212-H.b\D0509.D
Spectrum: Avg. Scans 231-233 (3.61), Background Scan 228
Location of Maximum: 198.00
Number of points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	40272	148.00	16089	241.00	1476	341.00	459
51.00	132096	149.00	3917	242.00	4417	342.00	490
52.00	7001	150.00	800	243.00	3564	343.00	97
53.00	674	151.00	1986	244.00	48072	344.00	145
55.00	1164	152.00	418	245.00	6244	345.00	169
56.00	4019	153.00	3289	246.00	10950	346.00	2494
57.00	9348	154.00	2928	247.00	2118	347.00	754
58.00	582	155.00	7706	248.00	331	349.00	109
61.00	1715	156.00	8900	249.00	1725	351.00	787
62.00	2001	157.00	1723	250.00	279	352.00	2251
63.00	6326	158.00	1465	251.00	418	353.00	1559
64.00	890	159.00	2282	252.00	786	354.00	2749
65.00	3157	160.00	2464	253.00	1488	355.00	454
66.00	19	161.00	4799	254.00	192	357.00	76
67.00	224	162.00	2211	255.00	239616	358.00	327
68.00	1878	163.00	997	256.00	36464	359.00	390
69.00	175808	164.00	560	257.00	3265	360.00	100
70.00	724	165.00	3589	258.00	19064	362.00	222
72.00	146	166.00	2943	259.00	3096	365.00	18856
73.00	2764	167.00	32840	260.00	746	366.00	2453
74.00	20944	168.00	16640	261.00	459	369.00	122
75.00	28560	169.00	2581	262.00	120	370.00	93
76.00	10752	170.00	984	263.00	339	371.00	409
77.00	224896	171.00	1493	265.00	8162	372.00	4229
78.00	15332	172.00	1840	266.00	82	373.00	850
79.00	12380	173.00	2802	269.00	356	374.00	136
80.00	10183	174.00	4719	270.00	346	376.00	79
81.00	13160	175.00	8329	271.00	545	381.00	51
82.00	4041	176.00	2346	272.00	987	382.00	178
83.00	2609	177.00	4239	273.00	8776	383.00	1421
84.00	335	178.00	1287	274.00	20128	384.00	257
85.00	2653	179.00	17512	275.00	94296	386.00	104
86.00	4171	180.00	12026	276.00	12340	388.00	104
87.00	1873	181.00	5618	277.00	11504	390.00	271
88.00	638	182.00	1683	278.00	3167	391.00	505
89.00	432	183.00	276	279.00	341	392.00	310
91.00	2663	184.00	2013	280.00	228	395.00	314
92.00	3242	185.00	9347	281.00	244	397.00	72
93.00	25984	186.00	58848	282.00	510	400.00	131
94.00	1595	187.00	19064	283.00	1202	401.00	277

95.00	518	188.00	1883	284.00	840	402.00	1969
96.00	955	189.00	4797	285.00	1406	403.00	1296
97.00	530	190.00	629	286.00	763	404.00	1258
98.00	21712	191.00	1805	288.00	116	405.00	114
99.00	15738	192.00	5832	289.00	579	406.00	284
100.00	1129	193.00	7214	290.00	348	410.00	76
101.00	8333	194.00	1223	291.00	714	415.00	25
102.00	425	195.00	348	292.00	474	416.00	197
103.00	2011	196.00	8406	293.00	2180	417.00	218
104.00	4726	198.00	351936	294.00	550	418.00	60
105.00	4324	199.00	25816	295.00	895	419.00	67
106.00	1649	200.00	1596	296.00	43752	421.00	1995
107.00	61272	201.00	1665	297.00	4106	422.00	1978
108.00	9386	203.00	4524	298.00	578	423.00	10583
109.00	462	204.00	18728	299.00	60	424.00	1931
110.00	91232	205.00	31952	300.00	71	425.00	526
111.00	14774	206.00	107912	301.00	338	426.00	108
112.00	2739	207.00	14930	302.00	649	427.00	120
113.00	892	208.00	2517	303.00	4392	429.00	161
115.00	254	209.00	1072	304.00	1153	430.00	93
116.00	1883	210.00	1838	305.00	274	434.00	134
117.00	78584	211.00	4935	307.00	131	435.00	177
118.00	6658	212.00	710	308.00	617	436.00	464
119.00	659	213.00	426	309.00	328	437.00	511
120.00	521	214.00	259	310.00	423	438.00	468
121.00	512	215.00	1441	311.00	297	439.00	270
122.00	3905	216.00	3376	312.00	65	441.00	26744
123.00	5463	217.00	35296	314.00	2120	442.00	182336
124.00	2685	218.00	4775	315.00	3876	443.00	35208
125.00	3466	219.00	316	316.00	1711	444.00	3402
127.00	186176	220.00	252	317.00	363	445.00	93
128.00	15571	221.00	15941	318.00	62	446.00	75
129.00	78120	222.00	4827	321.00	1532	459.00	52
130.00	6598	223.00	4706	322.00	219	466.00	96
131.00	1365	224.00	69896	323.00	8632	468.00	91
132.00	256	225.00	14394	324.00	1324	470.00	85
133.00	269	226.00	1422	325.00	152	473.00	71
134.00	2067	227.00	31968	327.00	2787	475.00	52
135.00	4303	228.00	5418	328.00	1120	483.00	74
136.00	2431	229.00	5847	329.00	66	486.00	77
137.00	3883	230.00	731	330.00	170	489.00	98
138.00	670	231.00	2961	331.00	246	502.00	112
139.00	594	232.00	552	332.00	1010	503.00	57
140.00	1109	233.00	560	333.00	992	504.00	206
141.00	10964	234.00	2311	334.00	5950	508.00	61
142.00	3473	235.00	2655	335.00	907	524.00	86
143.00	2759	236.00	1974	336.00	248	532.00	58
144.00	1001	237.00	1475	337.00	112	535.00	136
145.00	1037	238.00	269	338.00	52	541.00	111
146.00	2648	239.00	1698	339.00	121		
147.00	5047	240.00	1215	340.00	300		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0712.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 08-MAY-2012 10:11
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

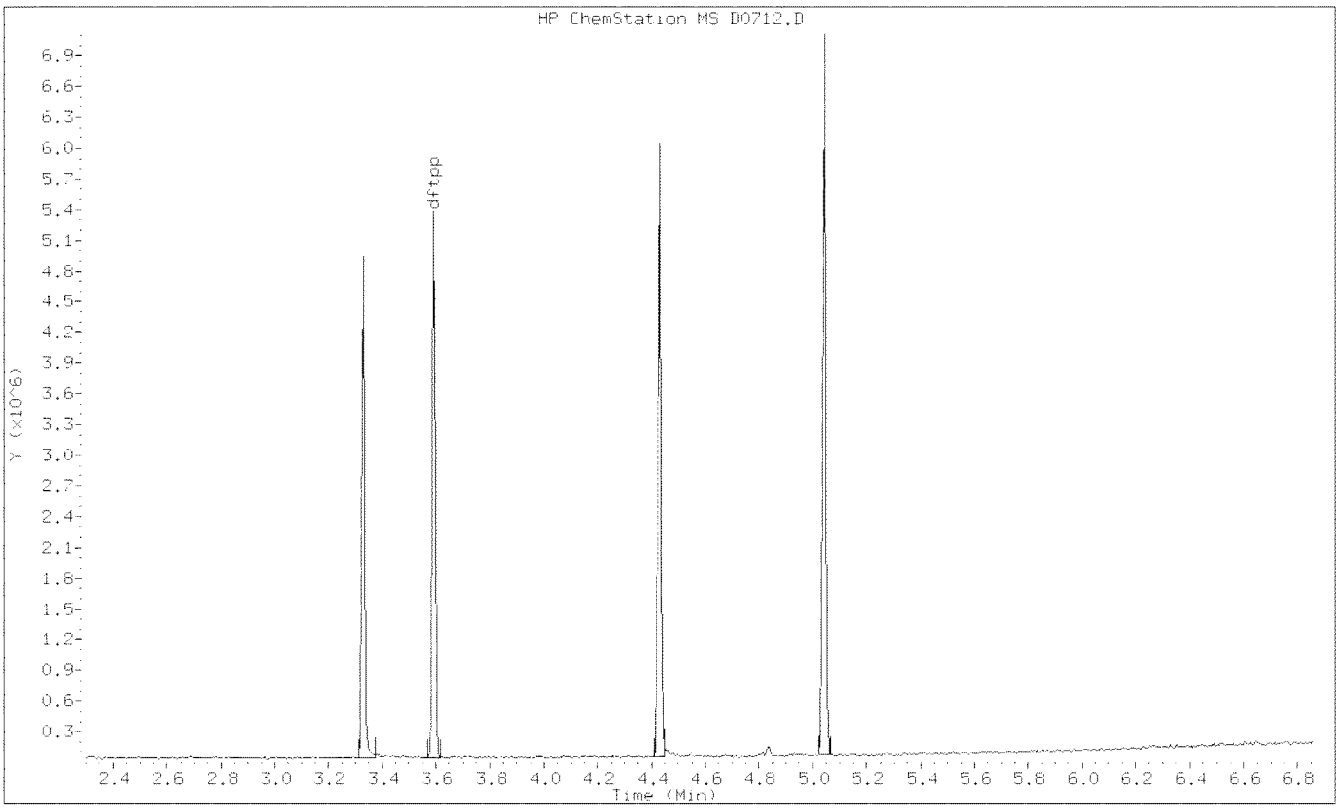
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
3.592	4.190	-0.598	198	329856			0.00- 100.00	100.00
3.592	4.190	-0.598	51	148352			30.00- 60.00	44.97
3.592	4.190	-0.598	68	2361			0.00- 2.00	1.35
3.592	4.190	-0.598	69	174720			0.00- 0.00	52.97
3.592	4.190	-0.598	70	768			0.00- 2.00	0.44
3.592	4.190	-0.598	127	185088			40.00- 60.00	56.11
3.592	4.190	-0.598	197	595			0.00- 1.00	0.18
3.592	4.190	-0.598	199	25344			5.00- 9.00	7.68
3.592	4.190	-0.598	275	90264			10.00- 30.00	27.36
3.592	4.190	-0.598	365	18864			1.00- 0.00	5.72
3.592	4.190	-0.598	441	30280			0.01- 99.99	70.84
3.592	4.190	-0.598	442	206848			40.00- 100.00	62.71
3.592	4.190	-0.598	443	42744			17.00- 23.00	20.66

Data File: D0712.D

Date: 08-MAY-2012 10:11

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



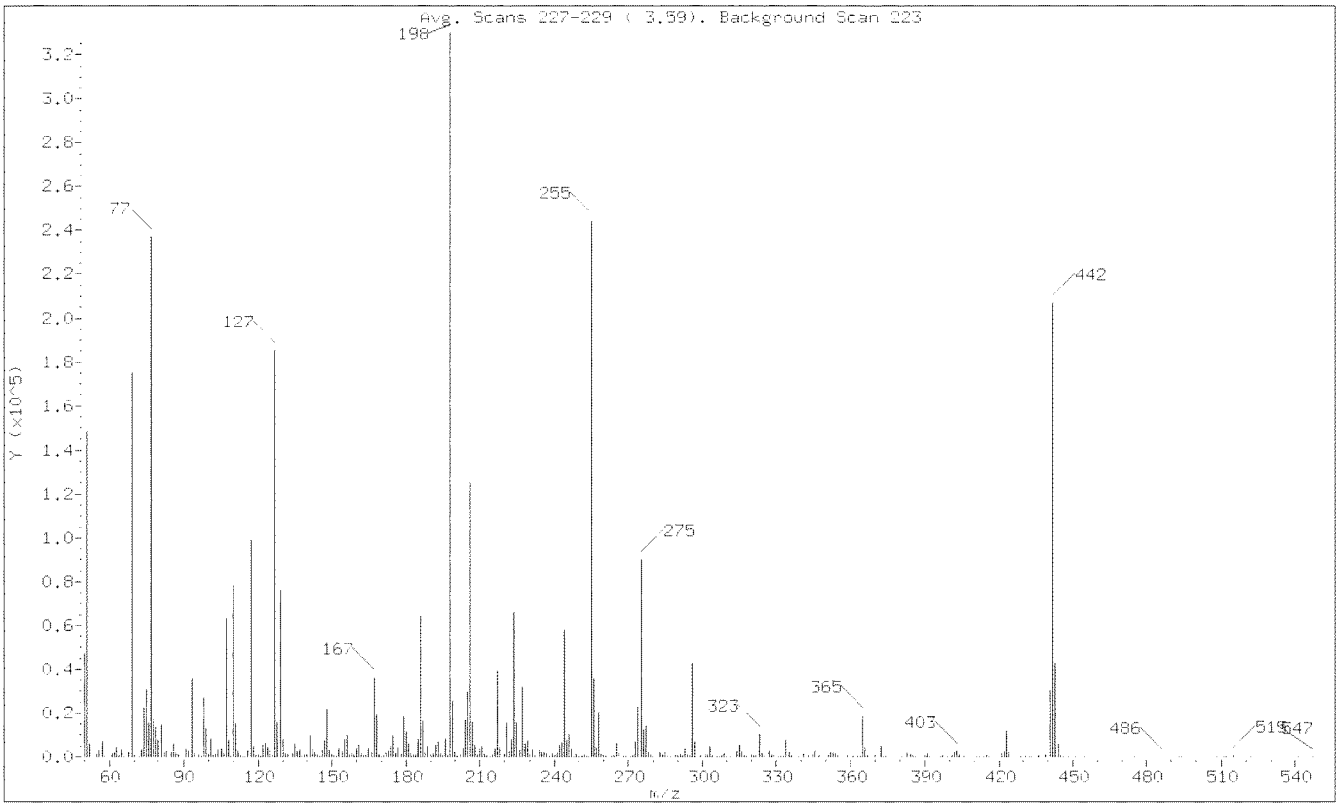
Data File: D0712.D

Date: 08-MAY-2012 10:11

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.97
68	Less than 2.00% of mass 69	0.72 (1.35)
69	Mass 69 relative abundance	52.97
70	Less than 2.00% of mass 69	0.23 (0.44)
127	40.00 - 60.00% of mass 198	56.11
197	Less than 1.00% of mass 198	0.18
199	5.00 - 9.00% of mass 198	7.68
275	10.00 - 30.00% of mass 198	27.36
365	Greater than 1.00% of mass 198	5.72
441	Present, but less than mass 443	9.18
442	40.00 - 100.00% of mass 198	62.71
443	17.00 - 23.00% of mass 442	12.96 (20.66)

Data File: D0712.D

Date: 08-MAY-2012 10:11

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0712.D
Spectrum: Avg. Scans 227-229 (3.59), Background Scan 223
Location of Maximum: 198.00
Number of points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	46736	152.00	577	246.00	10292	351.00	424
51.00	148352	153.00	3637	247.00	3685	352.00	2363
52.00	5752	154.00	2859	248.00	106	353.00	1529
55.00	998	155.00	7970	249.00	962	354.00	1882
56.00	3135	156.00	9687	250.00	306	355.00	401
57.00	7111	157.00	942	251.00	278	356.00	77
58.00	625	158.00	1710	252.00	853	359.00	438
61.00	1606	159.00	888	253.00	316	361.00	306
62.00	2789	160.00	3608	254.00	774	362.00	126
63.00	4439	161.00	5579	255.00	244160	363.00	688
64.00	423	162.00	1822	256.00	35496	364.00	315
65.00	3223	163.00	693	257.00	4340	365.00	18864
66.00	185	164.00	798	258.00	20328	366.00	4315
68.00	2361	165.00	3663	259.00	912	367.00	425
69.00	174720	166.00	2308	260.00	607	370.00	431
70.00	768	167.00	36152	261.00	290	372.00	4657
72.00	76	168.00	19200	262.00	269	373.00	740
73.00	3041	169.00	1102	263.00	354	374.00	285
74.00	22552	170.00	475	264.00	531	377.00	78
75.00	30880	171.00	780	265.00	6574	381.00	239
76.00	15555	172.00	2148	266.00	1678	383.00	1476
77.00	237248	173.00	2785	267.00	25	384.00	1062
78.00	17128	174.00	4703	268.00	358	385.00	305
79.00	13359	175.00	9573	269.00	545	386.00	96
80.00	7398	176.00	1583	270.00	226	388.00	104
81.00	14717	177.00	4458	271.00	50	390.00	701
82.00	2325	178.00	1812	272.00	698	391.00	1421
83.00	2833	179.00	18624	273.00	7128	392.00	86
85.00	1958	180.00	11574	274.00	22544	395.00	61
86.00	5991	181.00	5745	275.00	90264	396.00	108
87.00	1907	182.00	1375	276.00	12398	397.00	326
88.00	986	183.00	857	277.00	13809	399.00	62
89.00	144	184.00	1205	278.00	1911	401.00	460
90.00	184	185.00	8065	279.00	943	402.00	2012
91.00	3550	186.00	64440	280.00	87	403.00	2896
92.00	2817	187.00	16560	282.00	235	404.00	909
93.00	35840	188.00	1927	283.00	2211	405.00	102
94.00	1739	189.00	5101	284.00	870	406.00	453
95.00	103	190.00	1303	285.00	2082	410.00	53
96.00	1228	191.00	1831	286.00	404	411.00	81

97.00	600	192.00	5478	287.00	110	412.00	227
98.00	27176	193.00	6798	289.00	601	414.00	226
99.00	12989	194.00	1720	290.00	294	415.00	349
100.00	852	195.00	726	291.00	1076	416.00	219
101.00	7926	196.00	8045	292.00	733	421.00	1696
102.00	621	197.00	595	293.00	3782	422.00	2516
103.00	1325	198.00	329856	294.00	1033	423.00	11629
104.00	3147	199.00	25344	295.00	778	424.00	2319
105.00	3947	200.00	2255	296.00	42552	425.00	15
106.00	1654	201.00	783	297.00	6955	429.00	240
107.00	63408	202.00	1278	298.00	148	431.00	6
108.00	7544	203.00	3789	299.00	599	432.00	82
109.00	705	204.00	16800	301.00	1248	433.00	222
110.00	78400	205.00	29744	302.00	847	435.00	255
111.00	15454	206.00	125192	303.00	4592	436.00	867
112.00	2474	207.00	15807	304.00	372	438.00	165
113.00	305	208.00	5223	306.00	52	439.00	1038
114.00	53	209.00	1180	307.00	74	441.00	30280
115.00	142	210.00	3762	308.00	356	442.00	206848
116.00	2822	211.00	4597	309.00	1480	443.00	42744
117.00	98760	212.00	1055	310.00	194	444.00	6128
118.00	4937	213.00	378	311.00	95	445.00	399
119.00	431	214.00	105	313.00	382	446.00	239
120.00	1292	215.00	1205	314.00	2710	448.00	79
121.00	773	216.00	3590	315.00	5586	451.00	171
122.00	5608	217.00	39368	316.00	2022	454.00	82
123.00	6590	218.00	4183	317.00	685	455.00	162
124.00	4119	219.00	67	318.00	316	457.00	54
125.00	2575	220.00	843	320.00	275	467.00	67
126.00	537	221.00	15416	321.00	690	473.00	114
127.00	185088	222.00	2514	322.00	443	475.00	60
128.00	15605	223.00	8145	323.00	10156	483.00	68
129.00	76328	224.00	65624	324.00	1523	486.00	230
130.00	8220	225.00	15701	325.00	493	489.00	68
131.00	1604	226.00	3384	326.00	237	493.00	59
132.00	1101	227.00	31712	327.00	2594	494.00	64
134.00	1693	228.00	6102	328.00	1131	497.00	157
135.00	5899	229.00	7472	329.00	296	503.00	143
136.00	2464	230.00	1311	330.00	146	504.00	60
137.00	3066	231.00	3137	331.00	132	508.00	146
138.00	538	232.00	324	332.00	669	511.00	68
139.00	900	233.00	78	333.00	522	512.00	133
140.00	1243	234.00	3027	334.00	7461	515.00	341
141.00	9776	235.00	2368	335.00	2380	521.00	135
142.00	3269	236.00	2286	336.00	511	522.00	86
143.00	2076	237.00	1857	339.00	118	529.00	91
144.00	871	238.00	544	341.00	1852	530.00	107
145.00	418	239.00	1513	342.00	196	534.00	179
146.00	3000	240.00	791	343.00	303	536.00	181
147.00	7532	241.00	2293	344.00	53	541.00	106
148.00	21816	242.00	5292	345.00	1263	544.00	263
149.00	3175	243.00	6345	346.00	2954	547.00	54
150.00	1484	244.00	57920	347.00	786		
151.00	655	245.00	7513	348.00	151		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0754.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 09-MAY-2012 13:49
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

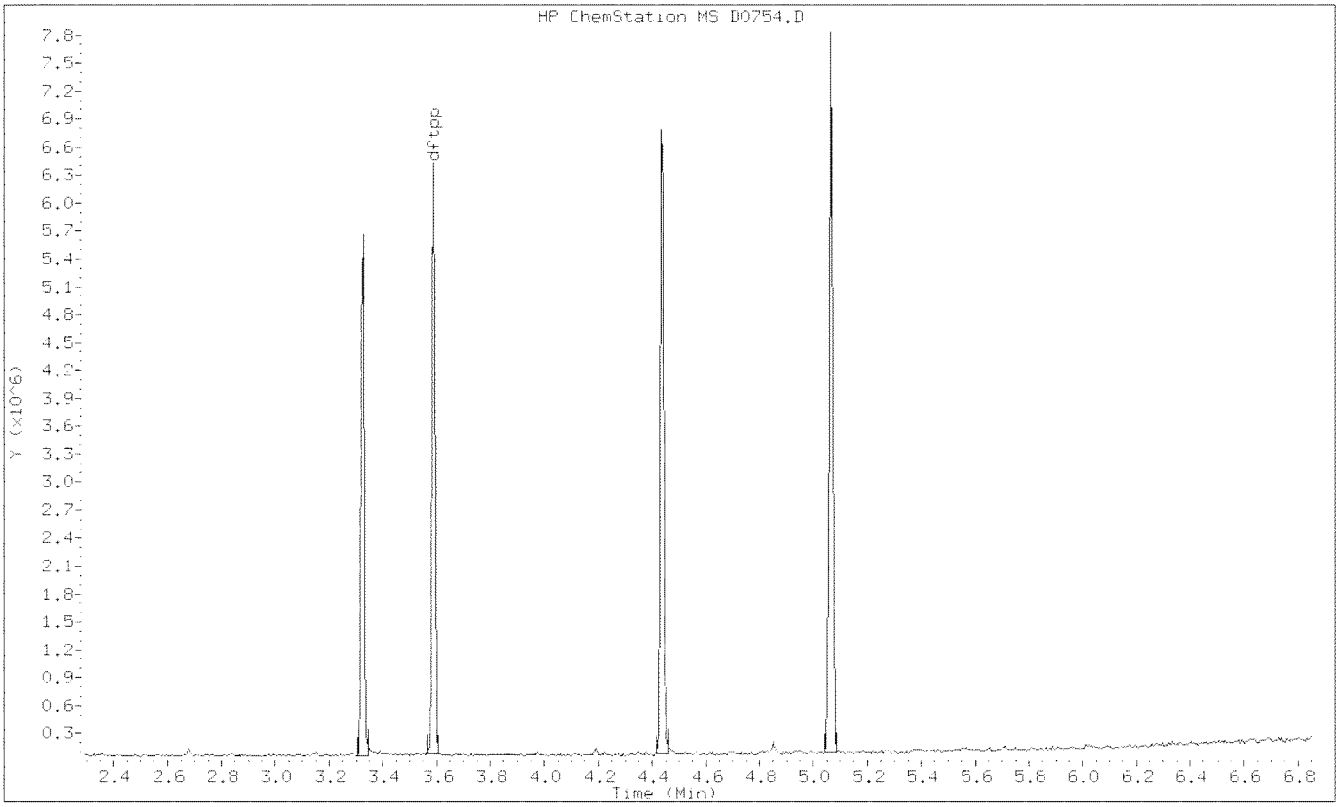
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
3.590	4.190	-0.600	198	412160			0.00- 100.00	100.00
3.590	4.190	-0.600	51	181248			30.00- 60.00	43.98
3.590	4.190	-0.600	68	924			0.00- 2.00	0.47
3.590	4.190	-0.600	69	198144			0.00- 0.00	48.07
3.590	4.190	-0.600	70	1682			0.00- 2.00	0.85
3.590	4.190	-0.600	127	227392			40.00- 60.00	55.17
3.590	4.190	-0.600	197	2634			0.00- 1.00	0.64
3.590	4.190	-0.600	199	33056			5.00- 9.00	8.02
3.590	4.190	-0.600	275	111712			10.00- 30.00	27.10
3.590	4.190	-0.600	365	27800			1.00- 0.00	6.74
3.590	4.190	-0.600	441	43896			0.01- 99.99	74.80
3.590	4.190	-0.600	442	280576			40.00- 100.00	68.07
3.590	4.190	-0.600	443	58688			17.00- 23.00	20.92

Data File: D0754.D

Date: 09-MAY-2012 13:49

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



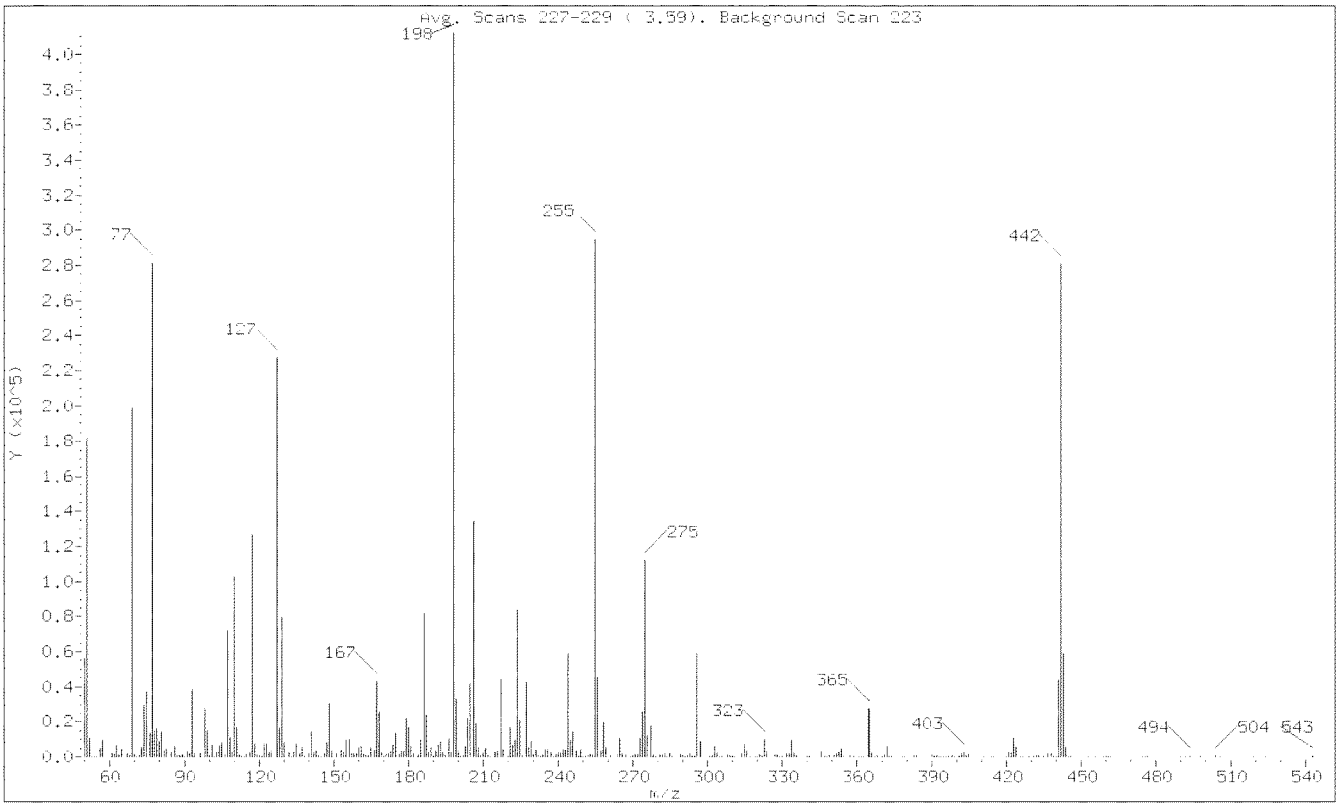
Data File: D0754.D

Date: 09-MAY-2012 13:49

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.98
68	Less than 2.00% of mass 69	0.22 (0.47)
69	Mass 69 relative abundance	48.07
70	Less than 2.00% of mass 69	0.41 (0.85)
127	40.00 - 60.00% of mass 198	55.17
197	Less than 1.00% of mass 198	0.64
199	5.00 - 9.00% of mass 198	8.02
275	10.00 - 30.00% of mass 198	27.10
365	Greater than 1.00% of mass 198	6.74
441	Present, but less than mass 443	10.65
442	40.00 - 100.00% of mass 198	68.07
443	17.00 - 23.00% of mass 442	14.24 (20.92)

Data File: D0754.D

Date: 09-MAY-2012 13:49

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0754.D
Spectrum: Avg. Scans 227-229 (3.59), Background Scan 223
Location of Maximum: 198.00
Number of points: 381

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	56008	154.00	2814	252.00	611	370.00	678
51.00	181248	155.00	9123	253.00	1748	371.00	1115
52.00	10876	156.00	10446	254.00	1474	372.00	6055
53.00	135	157.00	1996	255.00	294656	373.00	1182
54.00	285	158.00	1700	256.00	45312	374.00	342
55.00	218	159.00	1710	257.00	3348	377.00	260
56.00	4411	160.00	5412	258.00	19520	378.00	108
57.00	9564	161.00	5775	259.00	5355	379.00	152
58.00	232	162.00	1789	260.00	78	383.00	737
59.00	129	163.00	515	261.00	973	384.00	938
61.00	2197	164.00	757	264.00	1115	386.00	105
62.00	1374	165.00	5074	265.00	10935	387.00	107
63.00	6934	166.00	3759	266.00	2188	390.00	1223
64.00	1164	167.00	43016	267.00	1589	391.00	938
65.00	3775	168.00	25840	269.00	57	392.00	383
66.00	267	169.00	3167	270.00	911	393.00	215
67.00	2006	170.00	514	271.00	1475	394.00	320
68.00	924	171.00	1497	272.00	1343	395.00	225
69.00	198144	172.00	2188	273.00	10793	396.00	92
70.00	1682	173.00	3100	274.00	25720	397.00	65
71.00	140	174.00	7056	275.00	111712	398.00	489
72.00	866	175.00	13200	276.00	12109	399.00	236
73.00	5586	176.00	2176	277.00	17744	401.00	531
74.00	29536	177.00	3479	278.00	1413	402.00	2272
75.00	36776	178.00	3067	279.00	360	403.00	2607
76.00	13338	179.00	21624	280.00	272	404.00	524
77.00	281472	180.00	16760	281.00	1624	405.00	1067
78.00	15173	181.00	6220	282.00	1603	407.00	85
79.00	15988	182.00	1835	283.00	1904	411.00	306
80.00	8878	184.00	1169	284.00	604	414.00	116
81.00	13859	185.00	9842	285.00	1828	415.00	303
82.00	3302	186.00	82312	286.00	122	417.00	57
83.00	4693	187.00	23792	289.00	1334	419.00	337
85.00	2769	188.00	3081	290.00	712	420.00	134
86.00	5754	189.00	5577	291.00	718	421.00	2685
87.00	917	190.00	466	292.00	374	422.00	2530
88.00	700	191.00	3153	293.00	2035	423.00	10883
89.00	1100	192.00	6612	294.00	351	424.00	5114
90.00	337	193.00	8793	295.00	392	426.00	334
91.00	3549	194.00	2540	296.00	59248	427.00	65

92.00	2016	195.00	474	297.00	8943	429.00	33
93.00	38192	196.00	10006	298.00	280	431.00	354
94.00	1905	197.00	2634	301.00	256	432.00	482
96.00	2297	198.00	412160	302.00	445	433.00	582
98.00	27360	199.00	33056	303.00	6170	434.00	286
99.00	14622	200.00	3245	304.00	2332	435.00	433
100.00	410	201.00	492	305.00	61	436.00	266
101.00	7037	202.00	667	306.00	170	437.00	2305
102.00	240	203.00	5988	308.00	1018	438.00	2253
103.00	2951	204.00	22528	309.00	821	439.00	681
104.00	6054	205.00	41672	310.00	403	440.00	235
105.00	7783	206.00	133952	311.00	212	441.00	43896
106.00	1323	207.00	18872	313.00	181	442.00	280576
107.00	72216	208.00	5079	314.00	2237	443.00	58688
108.00	11122	209.00	539	315.00	7580	444.00	5161
109.00	2407	210.00	2082	316.00	3558	445.00	139
110.00	102416	211.00	4638	317.00	313	446.00	338
111.00	16712	212.00	1481	319.00	298	453.00	81
112.00	1422	213.00	175	320.00	320	454.00	131
113.00	974	214.00	275	321.00	1140	455.00	53
114.00	202	215.00	2979	322.00	561	456.00	232
115.00	1028	216.00	3523	323.00	9846	459.00	117
116.00	1794	217.00	44448	324.00	3242	460.00	265
117.00	126944	218.00	4198	325.00	137	461.00	121
118.00	7089	220.00	449	327.00	1290	462.00	63
119.00	1086	221.00	16832	328.00	1386	467.00	275
120.00	511	222.00	6548	329.00	335	468.00	59
121.00	465	223.00	9562	330.00	559	469.00	98
122.00	7289	224.00	83640	332.00	1783	470.00	255
123.00	7584	225.00	20816	333.00	1923	475.00	272
124.00	2832	226.00	1010	334.00	9490	476.00	168
125.00	3341	227.00	42688	335.00	1739	477.00	393
127.00	227392	228.00	5584	336.00	363	486.00	170
128.00	16295	229.00	8525	340.00	663	490.00	114
129.00	79768	230.00	1551	341.00	938	492.00	145
130.00	8055	231.00	4280	343.00	77	494.00	434
132.00	1919	232.00	354	344.00	290	495.00	66
133.00	170	233.00	378	346.00	3692	496.00	61
134.00	3158	234.00	1535	347.00	376	497.00	171
135.00	7484	235.00	4150	348.00	228	498.00	377
136.00	2092	236.00	4162	349.00	395	499.00	62
137.00	5066	237.00	2860	351.00	830	504.00	375
138.00	871	238.00	277	352.00	2013	506.00	246
139.00	114	239.00	1317	353.00	3020	512.00	68
140.00	2290	240.00	2646	354.00	4488	513.00	108
141.00	14323	241.00	2103	355.00	380	514.00	293
142.00	2461	242.00	4137	357.00	358	519.00	268
143.00	3684	243.00	4360	359.00	400	524.00	100
144.00	733	244.00	58504	360.00	89	525.00	206
145.00	365	245.00	9136	361.00	330	526.00	70
146.00	1809	246.00	14450	362.00	133	531.00	105
147.00	7844	247.00	3217	363.00	184	542.00	308
148.00	30248	248.00	929	365.00	27800	543.00	359
149.00	3242	249.00	3957	366.00	2351		
151.00	2065	250.00	71	367.00	212		
153.00	4075	251.00	758	368.00	454		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-117171/1-A

Matrix: Water | Lab File ID: D0718.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 1000(mL) | Date Analyzed: 05/08/2012 11:55

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-53-3	Aniline	ND		10	2.0
100-51-6	Benzyl alcohol	0.528	J	10	0.23
111-91-1	Bis(2-chloroethoxy)methane	ND		10	0.97
111-44-4	Bis(2-chloroethyl)ether	ND		10	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10	0.56
85-68-7	Butyl benzyl phthalate	ND		4.0	1.0
132-64-9	Dibenzofuran	ND		4.0	0.29
84-66-2	Diethyl phthalate	ND		4.0	0.38
131-11-3	Dimethyl phthalate	ND		4.0	0.21
84-74-2	Di-n-butyl phthalate	ND		4.0	1.2
117-84-0	Di-n-octyl phthalate	ND		4.0	0.35
122-39-4	Diphenylamine	ND		10	1.1
118-74-1	Hexachlorobenzene	ND		10	0.66
77-47-4	Hexachlorocyclopentadiene	ND		50	10
67-72-1	Hexachloroethane	ND		10	2.1
78-59-1	Isophorone	ND		10	0.21
98-95-3	Nitrobenzene	ND		10	0.81
62-75-9	N-Nitrosodimethylamine	ND		10	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		10	0.35
65-85-0	Benzoic acid	ND		25	10
87-86-5	Pentachlorophenol	ND		50	20
108-95-2	Phenol	ND		10	2.0
110-86-1	Pyridine	ND		20	1.7
99-65-0	1,3-Dinitrobenzene	ND		10	2.0
58-90-2	2,3,4,6-Tetrachlorophenol	ND		50	2.0
95-95-4	2,4,5-Trichlorophenol	ND		10	0.45
88-06-2	2,4,6-Trichlorophenol	ND		10	0.29
120-83-2	2,4-Dichlorophenol	ND		10	0.64
105-67-9	2,4-Dimethylphenol	ND		10	0.58
51-28-5	2,4-Dinitrophenol	ND		30	10
121-14-2	2,4-Dinitrotoluene	ND		10	1.7
606-20-2	2,6-Dinitrotoluene	ND		10	1.9
100-25-4	1,4-Dinitrobenzene	ND		10	2.0
91-58-7	2-Chloronaphthalene	ND		4.0	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	MB 280-117171/1-A
Matrix:	Water	Lab File ID:	D0718.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	1000(mL)	Date Analyzed:	05/08/2012 11:55
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119099	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-57-8	2-Chlorophenol	ND		10	2.0
15831-10-4	3 & 4 Methyl phenol	ND		10	0.25
91-94-1	3,3'-Dichlorobenzidine	ND		50	2.0
99-09-2	3-Nitroaniline	ND		10	2.0
534-52-1	4,6-Dinitro-2-methyl phenol	ND		50	4.0
95-48-7	2-Methyl phenol	ND		10	0.98
88-74-4	2-Nitroaniline	ND		10	1.7
88-75-5	2-Nitrophenol	ND		10	0.39
101-55-3	4-Bromophenyl phenyl ether	ND		10	0.43
59-50-7	4-Chloro-3-methyl phenol	ND		10	2.4
106-47-8	4-Chloroaniline	ND		10	2.1
7005-72-3	4-Chlorophenyl phenyl ether	ND		10	1.7
100-01-6	4-Nitroaniline	ND		10	2.0
100-02-7	4-Nitrophenol	ND		10	1.2
103-33-3	Azobenzene	ND		4.0	0.23
86-74-8	Carbazole	ND		4.0	0.43
108-60-1	bis (2-chloroisopropyl) ether	ND		10	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	88		51-120
4165-62-2	Phenol-d5	93		51-120
4165-60-0	Nitrobenzene-d5	87		48-120
321-60-8	2-Fluorobiphenyl	71		38-120
1718-51-0	Terphenyl-d14	100		50-120

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

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	MB 280-117171/1-A
Matrix:	Water	Lab File ID:	D0718.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	1000(mL)	Date Analyzed:	05/08/2012 11:55
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119099	Units:	ug/L
Number TICs Found:	0	TIC Result Total:	0

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

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0718.D
Lab Smp Id: MB 280-117171/1-A
Inj Date : 08-MAY-2012 11:55
Operator : hoffmanm Inst ID: D.i
Smp Info : mb280-117171_1-a
Misc Info : MB 280-117171_1-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26	1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	346215	40.0000	
* 58	Naphthalene-d8	136	4.690	4.689	(1.000)	1278511	40.0000	
* 96	Acenaphthene-d10	164	6.367	6.372	(1.000)	842034	40.0000	
* 135	Phenanthrene-d10	188	7.698	7.702	(1.000)	1515529	40.0000	
* 166	Chrysene-d12	240	9.963	9.973	(1.000)	1798562	40.0000	
* 179	Perylene-d12	264	11.175	11.201	(1.000)	1643518	40.0000	
$ 8	2-Fluorophenol	112	2.516	2.521	(0.710)	1568699	132.551	132.551
$ 15	Phenol-d5	99	3.205	3.210	(0.905)	2113157	139.342	139.342
$ 43	Nitrobenzene-d5	82	4.028	4.027	(0.859)	1450899	87.1902	87.1902
$ 81	2-Fluorobiphenyl	172	5.721	5.726	(0.898)	1937698	70.5956	70.5956
$ 118	2,4,6-Tribromophenol	330	7.089	7.094	(1.113)	721745	139.466	139.466
$ 154	Terphenyl-d14	244	9.044	9.044	(0.908)	3322056	99.9222	99.9222
$ 29	1,2-Dichlorobenzene-d4	152	3.675	3.675	(1.038)	538330	58.9512	58.9512
$ 22	2-Chlorophenol-d4	132	3.349	3.354	(0.946)	1645904	126.223	126.223
4	1,4-Dioxane	88	Compound Not Detected.					
5	N-Nitrosodimethylamine	74	Compound Not Detected.					
6	Pyridine	79	Compound Not Detected.					
9	2-Picoline	93	Compound Not Detected.					
10	N-Nitrosomethylethylamine	88	Compound Not Detected.					
11	Methyl methanesulfonate	80	Compound Not Detected.					
12	N-Nitrosodiethylamine	102	Compound Not Detected.					
13	Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	3.648	3.648	(1.030)	4212	0.52767	0.527668(a)
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

EPAPAV0012012

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
86	2-Chloronaphthalene	162	Compound Not Detected.					
88	2-Nitroaniline	65	Compound Not Detected.					
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	Compound Not Detected.					
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	Compound Not Detected.					
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	Compound Not Detected.					
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0012013

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0718.D
Lab Smp Id: MB 280-117171/1-A
Inj Date : 08-MAY-2012 11:55
Operator : hoffmanm Inst ID: D.i
Smp Info : mb280-117171_1-a
Misc Info : MB 280-117171_1-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: D0718.D

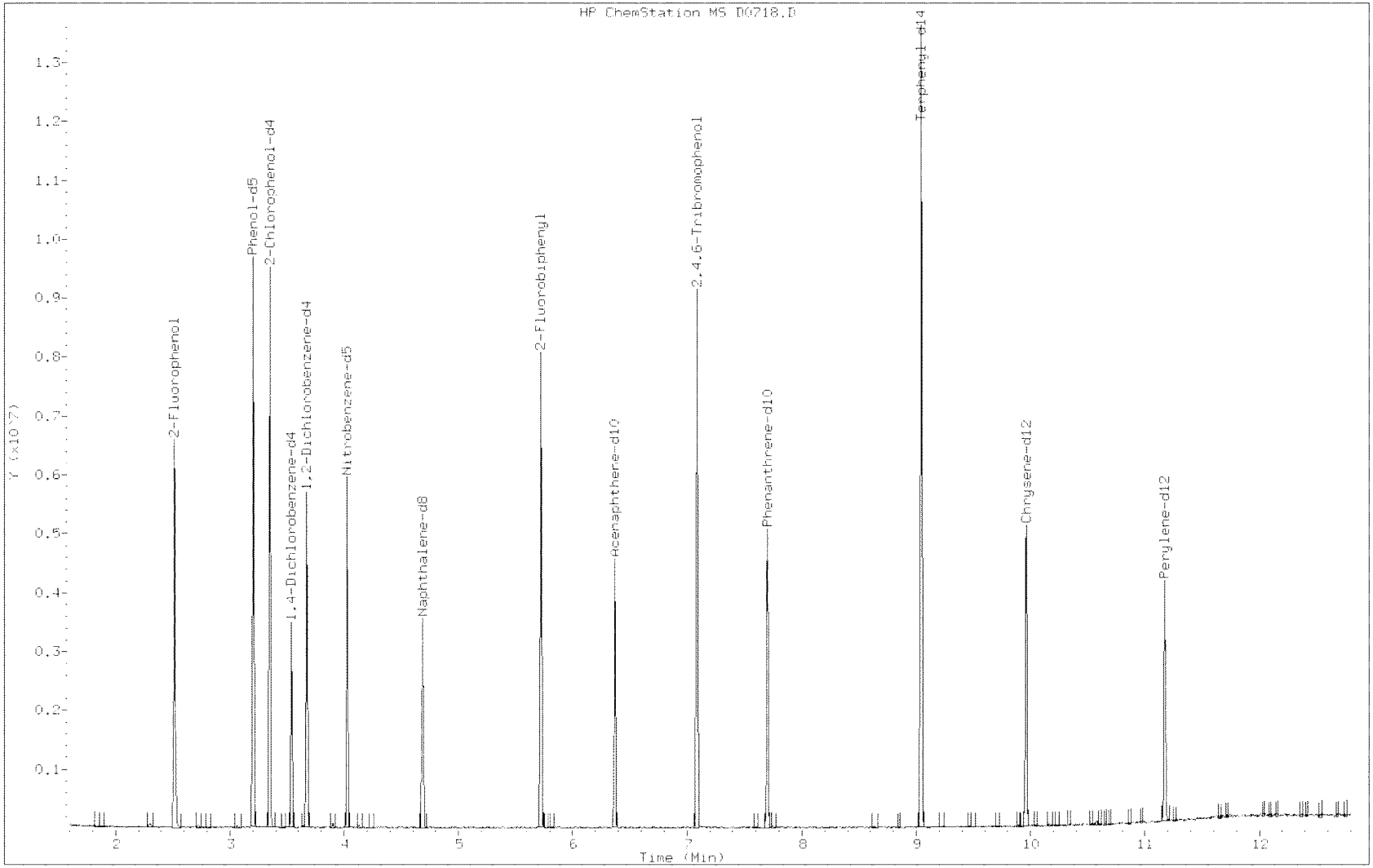
Date: 08-MAY-2012 11:55

Client ID:

Instrument: D.i

Sample Info: mb280-117171_1-a

Operator: hoffmanm



Data File: D0718.D

Date: 08-MAY-2012 11:55

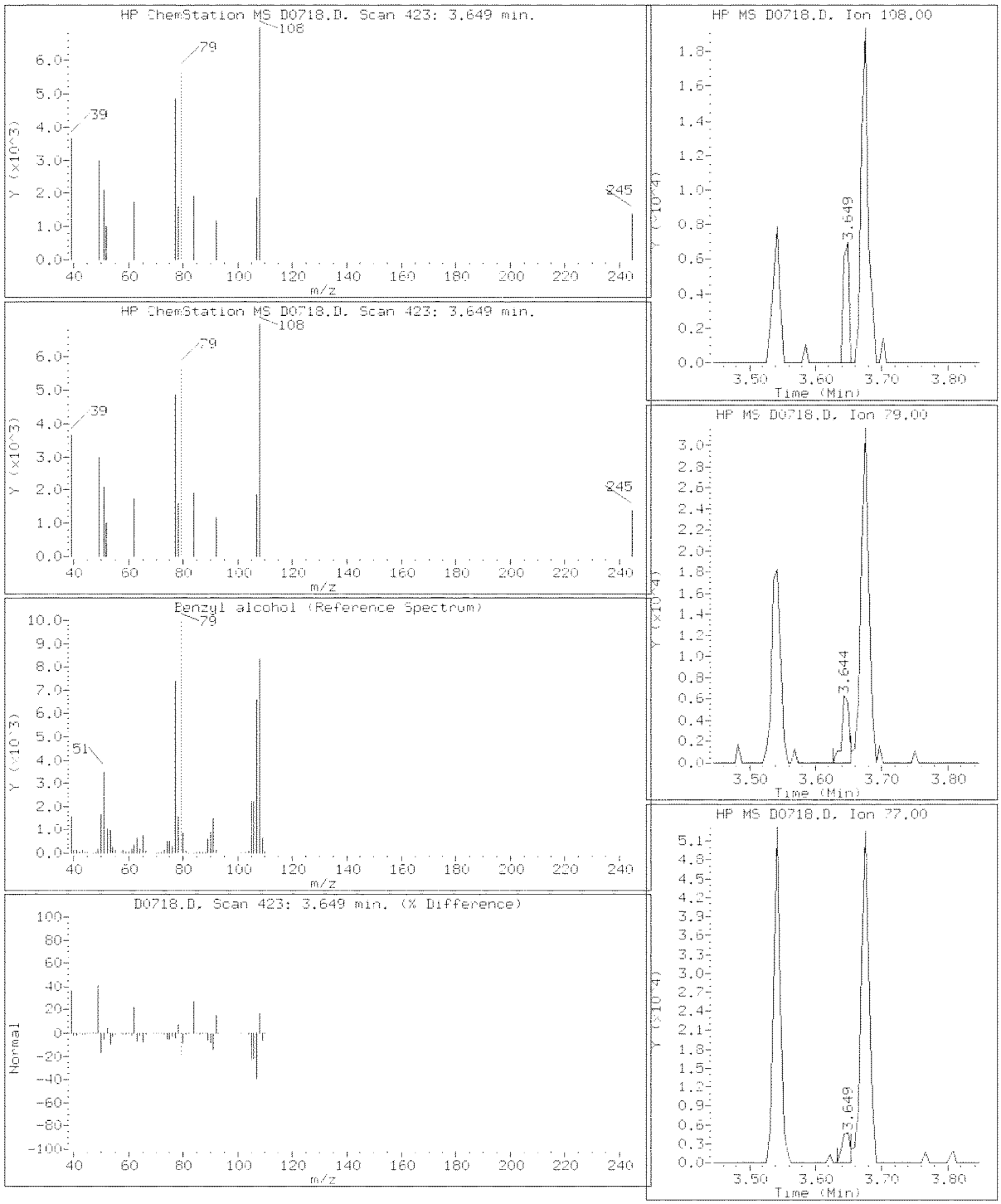
Client ID:

Instrument: D.i

Sample Info: mb280-117171_1-a

Operator: hoffmanm

28 Benzyl alcohol



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117171/2-A

Matrix: Water | Lab File ID: D0719.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 1000(mL) | Date Analyzed: 05/08/2012 12:13

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-53-3	Aniline	60.7		10	2.0
100-51-6	Benzyl alcohol	76.4		10	0.23
111-91-1	Bis(2-chloroethoxy)methane	76.0		10	0.97
111-44-4	Bis(2-chloroethyl)ether	68.6		10	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	80.4		10	0.56
85-68-7	Butyl benzyl phthalate	77.7		4.0	1.0
132-64-9	Dibenzofuran	73.4		4.0	0.29
84-66-2	Diethyl phthalate	80.6		4.0	0.38
131-11-3	Dimethyl phthalate	81.3		4.0	0.21
84-74-2	Di-n-butyl phthalate	80.9		4.0	1.2
117-84-0	Di-n-octyl phthalate	83.2		4.0	0.35
118-74-1	Hexachlorobenzene	74.4		10	0.66
77-47-4	Hexachlorocyclopentadiene	13.4	J	50	10
67-72-1	Hexachloroethane	39.9		10	2.1
78-59-1	Isophorone	75.3		10	0.21
98-95-3	Nitrobenzene	76.2		10	0.81
62-75-9	N-Nitrosodimethylamine	74.2		10	0.29
621-64-7	N-Nitrosodi-n-propylamine	80.3		10	0.35
87-86-5	Pentachlorophenol	76.9		50	20
108-95-2	Phenol	77.5		10	2.0
110-86-1	Pyridine	65.4		20	1.7
95-95-4	2,4,5-Trichlorophenol	86.0		10	0.45
88-06-2	2,4,6-Trichlorophenol	80.8		10	0.29
120-83-2	2,4-Dichlorophenol	76.4		10	0.64
105-67-9	2,4-Dimethylphenol	52.7		10	0.58
51-28-5	2,4-Dinitrophenol	81.5		30	10
121-14-2	2,4-Dinitrotoluene	80.9		10	1.7
606-20-2	2,6-Dinitrotoluene	79.6		10	1.9
91-58-7	2-Chloronaphthalene	67.0		4.0	0.26
95-57-8	2-Chlorophenol	69.1		10	2.0
15831-10-4	3 & 4 Methylphenol	158		10	0.25
91-94-1	3,3'-Dichlorobenzidine	40.8	J	50	2.0
99-09-2	3-Nitroaniline	79.3		10	2.0
534-52-1	4,6-Dinitro-2-methylphenol	82.4		50	4.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCS 280-117171/2-A
Matrix:	Water	Lab File ID:	D0719.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	1000(mL)	Date Analyzed:	05/08/2012 12:13
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119099	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	71.9		10	0.98
88-74-4	2-Nitroaniline	92.6		10	1.7
88-75-5	2-Nitrophenol	76.1		10	0.39
101-55-3	4-Bromophenyl phenyl ether	77.3		10	0.43
59-50-7	4-Chloro-3-methylphenol	74.8		10	2.4
106-47-8	4-Chloroaniline	71.2		10	2.1
7005-72-3	4-Chlorophenyl phenyl ether	75.6		10	1.7
100-01-6	4-Nitroaniline	83.1		10	2.0
100-02-7	4-Nitrophenol	103		10	1.2
103-33-3	Azobenzene	84.8		4.0	0.23
86-74-8	Carbazole	75.1		4.0	0.43
108-60-1	bis (2-chloroisopropyl) ether	78.6		10	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	93		51-120
4165-62-2	Phenol-d5	99		51-120
4165-60-0	Nitrobenzene-d5	99		48-120
321-60-8	2-Fluorobiphenyl	88		38-120
1718-51-0	Terphenyl-d14	101		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0719.D
Lab Smp Id: LCS 280-117171/2-A
Inj Date : 08-MAY-2012 12:13
Operator : hoffmanm Inst ID: D.i
Smp Info : lcs280-117171_2-a
Misc Info : LCS 280-117171_2-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	337472	40.0000	
* 58 Naphthalene-d8	136	4.690	4.689	(1.000)	1222342	40.0000	
* 96 Acenaphthene-d10	164	6.367	6.372	(1.000)	796227	40.0000	
* 135 Phenanthrene-d10	188	7.698	7.702	(1.000)	1421981	40.0000	
* 166 Chrysene-d12	240	9.963	9.973	(1.000)	1861468	40.0000	
* 179 Perylene-d12	264	11.175	11.201	(1.000)	1572888	40.0000	
$ 8 2-Fluorophenol	112	2.521	2.521	(0.712)	1603645	139.014	139.014
$ 15 Phenol-d5	99	3.205	3.210	(0.905)	2191378	148.244	148.244
$ 43 Nitrobenzene-d5	82	4.027	4.027	(0.859)	1577895	99.1791	99.1791
$ 81 2-Fluorobiphenyl	172	5.721	5.726	(0.898)	2288307	88.1654	88.1654
$ 118 2,4,6-Tribromophenol	330	7.089	7.094	(1.113)	844237	166.907	166.907
$ 154 Terphenyl-d14	244	9.044	9.044	(0.908)	3462084	100.615	100.615
$ 29 1,2-Dichlorobenzene-d4	152	3.675	3.675	(1.038)	629576	70.7295	70.7295
$ 22 2-Chlorophenol-d4	132	3.354	3.354	(0.947)	1746300	137.392	137.392
4 1,4-Dioxane	88	1.559	1.559	(0.440)	321739	62.0373	62.0373
6 Pyridine	79	1.746	1.746	(0.493)	907698	65.4359	65.4359
5 N-Nitrosodimethylamine	74	1.714	1.714	(0.484)	615033	74.1667	74.1667
18 Aniline	93	3.269	3.274	(0.923)	1178194	60.6898	60.6898
16 Phenol	94	3.215	3.221	(0.908)	1162907	77.4721	77.4721
20 Bis(2-chloroethyl) ether	93	3.306	3.306	(0.934)	852312	68.5662	68.5662
23 2-Chlorophenol	128	3.365	3.365	(0.950)	873351	69.0771	69.0771
25 1,3-Dichlorobenzene	146	3.493	3.498	(0.986)	565101	39.7094	39.7094

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
27	1,4-Dichlorobenzene	146	3.557	3.557	(1.005)	579567	39.9188	39.9188
28	Benzyl alcohol	108	3.648	3.648	(1.030)	594075	76.3523	76.3522
30	1,2-Dichlorobenzene	146	3.691	3.691	(1.042)	574497	41.8457	41.8457
32	2-Methylphenol	108	3.728	3.733	(1.053)	785989	71.9270	71.9270
34	2,2'-oxybis(1-chloropropane)	45	3.750	3.755	(1.059)	843625	78.5819	78.5819
138	3-Methylphenol	108	3.867	3.867	(1.092)	1806801	157.818	157.818
36	4-Methylphenol	108	3.867	3.867	(1.092)	1806801	157.818	157.818
139	3 & 4-Methylphenol	108	3.867	3.867	(1.092)	1806801	157.818	157.818
37	N-nitrosodi-n-propylamine	70	3.873	3.872	(1.094)	837742	80.2718	80.2718
41	Hexachloroethane	117	3.985	3.985	(1.125)	263133	39.9290	39.9290
44	Nitrobenzene	77	4.049	4.049	(0.863)	1206883	76.1996	76.1996
47	Isophorone	82	4.247	4.252	(0.905)	1855362	75.3255	75.3255
49	2-Nitrophenol	139	4.332	4.337	(0.924)	473495	76.1278	76.1278
50	2,4-Dimethylphenol	107	4.348	4.353	(0.927)	659878	52.6673	52.6673
52	Bis(2-chloroethoxy)methane	93	4.439	4.444	(0.946)	1065452	75.9973	75.9973
53	Benzoic acid	122	4.498	4.433	(0.959)	2756396	444.980	444.980(AR)
54	2,4-Dichlorophenol	162	4.551	4.551	(0.970)	802750	76.3616	76.3616
57	1,2,4-Trichlorobenzene	180	4.631	4.631	(0.987)	574073	40.9214	40.9214
59	Naphthalene	128	4.706	4.711	(1.003)	1782902	53.7844	53.7844
60	4-Chloroaniline	127	4.759	4.764	(1.015)	1017999	71.1528	71.1528
62	Hexachlorobutadiene	225	4.813	4.813	(1.026)	364011	40.0334	40.0334
68	4-Chloro-3-methylphenol	107	5.213	5.219	(1.112)	746394	74.7803	74.7802
71	2-Methylnaphthalene	142	5.368	5.368	(1.145)	1297181	56.6700	56.6700
72	1-Methylnaphthalene	142	5.465	5.470	(1.165)	1254196	58.0880	58.0880
74	Hexachlorocyclopentadiene	237	5.513	5.518	(0.866)	135911	13.4283	13.4283
78	2,4,6-Trichlorophenol	196	5.646	5.646	(0.887)	705490	80.7800	80.7800
80	2,4,5-Trichlorophenol	196	5.678	5.683	(0.892)	743383	85.9521	85.9521
86	2-Chloronaphthalene	162	5.844	5.849	(0.918)	1523532	67.0445	67.0445
88	2-Nitroaniline	65	5.956	5.956	(0.935)	692338	92.6375	92.6375
91	Dimethyl phthalate	163	6.111	6.111	(0.960)	2100865	81.3202	81.3202
93	2,6-Dinitrotoluene	165	6.175	6.180	(0.970)	464506	79.5560	79.5560
94	Acenaphthylene	152	6.239	6.244	(0.980)	2392594	69.3389	69.3389
95	3-Nitroaniline	138	6.341	6.346	(0.996)	471526	79.2829	79.2829
97	Acenaphthene	153	6.399	6.405	(1.005)	1523481	68.8379	68.8379
98	2,4-Dinitrophenol	184	6.431	6.437	(1.010)	329810	81.5420	81.5420
99	4-Nitrophenol	109	6.490	6.495	(1.019)	612355	102.960	102.960
101	2,4-Dinitrotoluene	165	6.549	6.554	(1.029)	671039	80.8549	80.8549
102	Dibenzofuran	168	6.554	6.559	(1.029)	2462750	73.3592	73.3592
107	Diethyl phthalate	149	6.752	6.752	(1.060)	2150746	80.5845	80.5845
109	4-Chlorophenyl phenyl ether	204	6.859	6.864	(1.077)	1106066	75.5685	75.5685
110	Fluorene	166	6.869	6.869	(1.079)	1969409	70.7386	70.7386
112	4-Nitroaniline	138	6.902	6.907	(1.084)	469947	83.1008	83.1008
113	4,6-Dinitro-2-methylphenol	198	6.918	6.917	(0.899)	450515	82.4181	82.4181
115	N-nitrosodiphenylamine	169	6.971	6.976	(0.906)	1370481	57.7802	57.7802
116	Azobenzene	77	7.003	7.003	(1.100)	2887266	84.8309	84.8309
234	1,2-DPH(as Azobenzene)	77	7.003	7.003	(1.100)	2887266	85.7619	85.7619
124	4-Bromophenyl phenyl ether	248	7.297	7.297	(0.948)	685460	77.3102	77.3102
125	Hexachlorobenzene	284	7.356	7.355	(0.956)	746973	74.4288	74.4288
129	Pentachlorophenol	266	7.532	7.532	(0.978)	531112	76.8750	76.8750
136	Phenanthrene	178	7.719	7.719	(1.003)	2917059	74.4915	74.4915
137	Anthracene	178	7.762	7.767	(1.008)	2955081	73.2935	73.2935
140	Carbazole	167	7.906	7.911	(1.027)	2720887	75.1345	75.1345
143	Di-n-butyl phthalate	149	8.162	8.162	(1.060)	3429852	80.9366	80.9366
149	Fluoranthene	202	8.739	8.744	(1.135)	3537173	78.9486	78.9486
151	Benzidine	184	Compound Not Detected.					

EPAPAV0012021

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152	Pyrene	202	8.937	8.942	(0.897)	3622063	72.7664	72.7664
159	Butyl benzyl phthalate	149	9.439	9.439	(0.947)	1617461	77.7471	77.7471
164	3 3'-Dichlorobenzidine	252	9.925	9.925	(0.996)	765192	40.8446	40.8446
165	Benzo(a)anthracene	228	9.952	9.952	(0.999)	3685606	72.2724	72.2724
167	Chrysene	228	9.989	9.989	(1.003)	3398411	75.4735	75.4735
162	Bis(2-ethylhexyl) phthalate	149	9.893	9.893	(0.993)	2143921	80.4116	80.4116
168	Di-n-octyl phthalate	149	10.438	10.432	(1.048)	3517509	83.1953	83.1953
171	Benzo(b)fluoranthene	252	10.860	10.849	(0.972)	3570039	73.3827	73.3827
172	Benzo(k)fluoranthene	252	10.881	10.871	(0.974)	3733915	71.8943	71.8942(H)
178	Benzo(a)pyrene	252	11.133	11.122	(0.996)	2868783	64.3781	64.3781
186	Indeno(1,2,3-cd)pyrene	276	12.025	12.014	(1.207)	3818882	70.7514	70.7514
185	Dibenz(a,h)anthracene	278	12.025	12.008	(1.076)	2830359	60.0521	60.0521
188	Benzo(g,h,i)perylene	276	12.276	12.260	(1.098)	3216307	77.9239	77.9239
19	Methyl Styrene	118	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0719.D

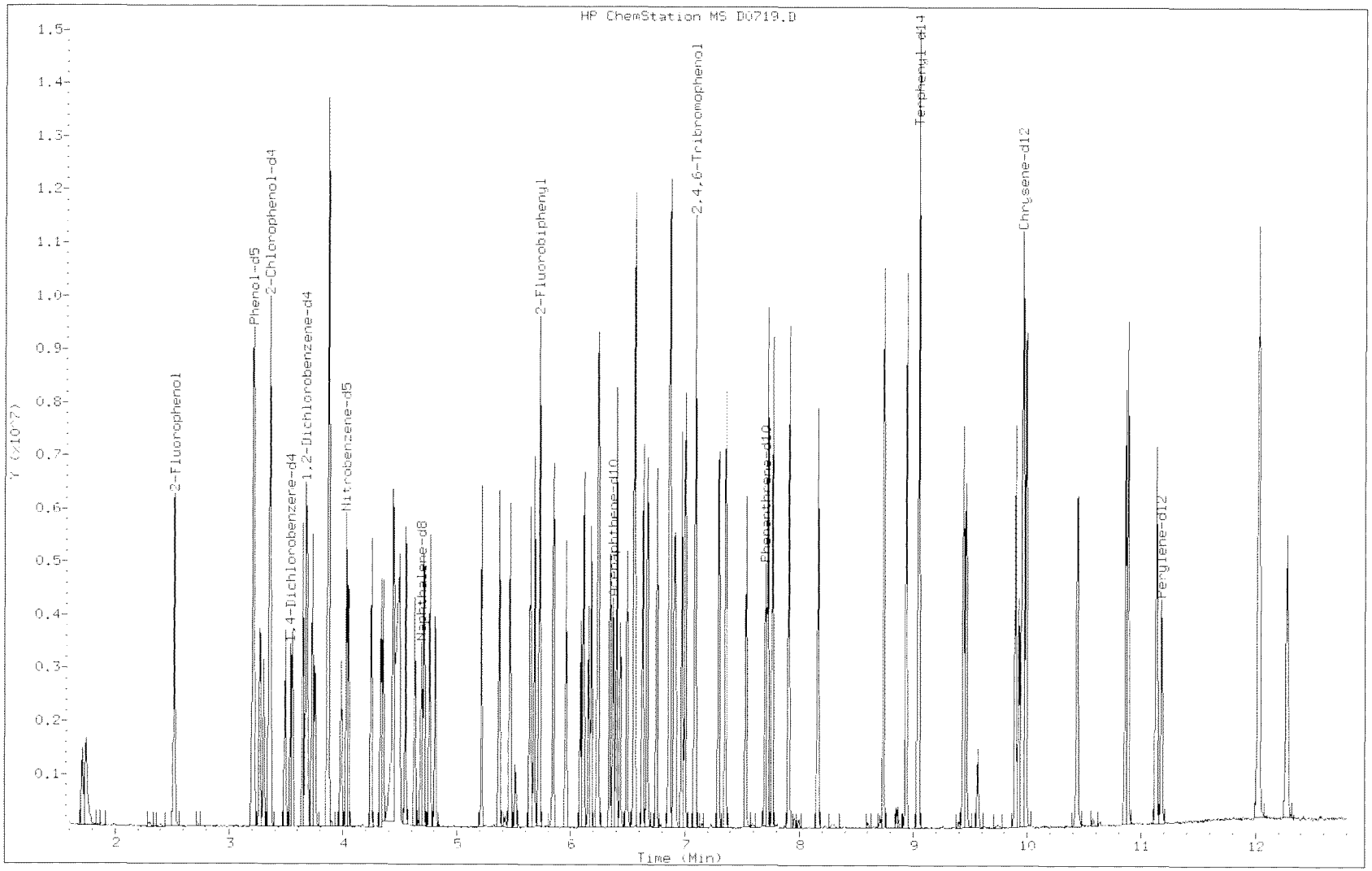
Date: 08-MAY-2012 12:13

Client ID:

Instrument: D.i

Sample Info: lcs280-117171_2-a

Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCS 280-117171/2-A DL
Matrix:	Water	Lab File ID:	D0721.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	1000(mL)	Date Analyzed:	05/08/2012 12:49
Con. Extract Vol.:	1000(uL)	Dilution Factor:	4
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119099	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	387		100	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	87		51-120
4165-62-2	Phenol-d5	92		51-120
4165-60-0	Nitrobenzene-d5	97		48-120
321-60-8	2-Fluorobiphenyl	83		38-120
1718-51-0	Terphenyl-d14	97		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0721.D
Lab Smp Id: LCS 280-117171/2-A
Inj Date : 08-MAY-2012 12:49
Operator : hoffmanm Inst ID: D.i
Smp Info : lcs280-117171_2-a,4,
Misc Info : LCS 280-117171_2-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 10 QC Sample: LCS
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.541	3.541	(1.000)	326183	40.0000	
* 58 Naphthalene-d8	136	4.684	4.689	(1.000)	1118432	40.0000	
* 96 Acenaphthene-d10	164	6.367	6.372	(1.000)	757396	40.0000	
* 135 Phenanthrene-d10	188	7.697	7.702	(1.000)	1374807	40.0000	
* 166 Chrysene-d12	240	9.968	9.973	(1.000)	1643521	40.0000	
* 179 Perylene-d12	264	11.196	11.201	(1.000)	1514910	40.0000	
$ 8 2-Fluorophenol	112	2.516	2.521	(0.710)	363911	32.6379	130.552
$ 15 Phenol-d5	99	3.205	3.210	(0.905)	492949	34.5014	138.006
$ 43 Nitrobenzene-d5	82	4.027	4.027	(0.860)	352177	24.1928	96.7712
$ 81 2-Fluorobiphenyl	172	5.721	5.726	(0.898)	509534	20.6382	82.5527
$ 118 2,4,6-Tribromophenol	330	7.083	7.094	(1.112)	173602	43.6836	174.734
$ 154 Terphenyl-d14	244	9.044	9.044	(0.907)	734770	24.1856	96.7424
$ 29 1,2-Dichlorobenzene-d4	152	3.675	3.675	(1.038)	143265	16.6521	66.6084
$ 22 2-Chlorophenol-d4	132	3.349	3.354	(0.946)	379932	30.9260	123.704
4 1,4-Dioxane	88	1.559	1.559	(0.440)	82627	16.4834	65.9337
6 Pyridine	79	1.746	1.746	(0.493)	214033	15.9636	63.8546
5 N-Nitrosodimethylamine	74	1.714	1.714	(0.484)	152249	18.9951	75.9804
18 Aniline	93	3.269	3.274	(0.923)	268431	14.3057	57.2227
16 Phenol	94	3.215	3.221	(0.908)	252556	17.4074	69.6297
20 Bis(2-chloroethyl) ether	93	3.301	3.306	(0.932)	197738	16.4580	65.8321
23 2-Chlorophenol	128	3.365	3.365	(0.950)	206485	16.8970	67.5881
25 1,3-Dichlorobenzene	146	3.493	3.498	(0.986)	131540	9.56315	38.2526

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
27	1,4-Dichlorobenzene	146	3.557	3.557	(1.005)	146298	10.4253	41.7012
28	Benzyl alcohol	108	3.643	3.648	(1.029)	132942	17.6774	70.7097
30	1,2-Dichlorobenzene	146	3.685	3.691	(1.041)	138141	10.4103	41.6411
32	2-Methylphenol	108	3.728	3.733	(1.053)	189147	17.9082	71.6327
34	2,2'-oxybis(1-chloropropane)	45	3.750	3.755	(1.059)	190822	18.3898	73.5594
138	3-Methylphenol	108	3.862	3.867	(1.090)	398738	36.0339	144.136
36	4-Methylphenol	108	3.862	3.867	(1.090)	398738	36.0339	144.136
139	3 & 4-Methylphenol	108	3.862	3.867	(1.090)	398738	36.0339	144.136
37	N-nitrosodi-n-propylamine	70	3.867	3.872	(1.092)	184282	18.2689	73.0755
41	Hexachloroethane	117	3.985	3.985	(1.125)	70109	11.0069	44.0274
44	Nitrobenzene	77	4.043	4.049	(0.863)	289731	19.9924	79.9697
47	Isophorone	82	4.246	4.252	(0.906)	438664	19.4638	77.8553
49	2-Nitrophenol	139	4.332	4.337	(0.925)	105249	18.4939	73.9757
50	2,4-Dimethylphenol	107	4.348	4.353	(0.928)	160371	13.9890	55.9559
52	Bis(2-chloroethoxy)methane	93	4.439	4.444	(0.948)	245737	19.1566	76.6264
53	Benzoic acid	122	4.433	4.433	(0.946)	548201	96.7212	386.885(R)
54	2,4-Dichlorophenol	162	4.546	4.551	(0.970)	175951	18.2924	73.1694
57	1,2,4-Trichlorobenzene	180	4.631	4.631	(0.989)	133936	10.4343	41.7373
59	Naphthalene	128	4.706	4.711	(1.005)	418330	13.7921	55.1684
60	4-Chloroaniline	127	4.759	4.764	(1.016)	240682	18.3853	73.5413
62	Hexachlorobutadiene	225	4.807	4.813	(1.026)	85728	10.3042	41.2168
68	4-Chloro-3-methylphenol	107	5.213	5.219	(1.113)	171721	18.8029	75.2117
71	2-Methylnaphthalene	142	5.368	5.368	(1.146)	303449	14.4884	57.9538
72	1-Methylnaphthalene	142	5.464	5.470	(1.166)	282451	14.2971	57.1884
74	Hexachlorocyclopentadiene	237	5.518	5.518	(0.867)	26997	2.80412	11.2165(aQ)
78	2,4,6-Trichlorophenol	196	5.641	5.646	(0.886)	151419	18.2267	72.9067
80	2,4,5-Trichlorophenol	196	5.678	5.683	(0.892)	157204	19.1083	76.4331
86	2-Chloronaphthalene	162	5.844	5.849	(0.918)	344080	15.9179	63.6715
88	2-Nitroaniline	65	5.951	5.956	(0.935)	148780	20.9280	83.7119
91	Dimethyl phthalate	163	6.105	6.111	(0.959)	494879	20.1379	80.5514
93	2,6-Dinitrotoluene	165	6.175	6.180	(0.970)	110895	19.9668	79.8670
94	Acenaphthylene	152	6.239	6.244	(0.980)	535542	16.3161	65.2642
95	3-Nitroaniline	138	6.335	6.346	(0.995)	116984	20.6783	82.7131
97	Acenaphthene	153	6.399	6.405	(1.005)	355777	16.8998	67.5994
98	2,4-Dinitrophenol	184	6.431	6.437	(1.010)	64902	25.1773	100.709(R)
99	4-Nitrophenol	109	6.485	6.495	(1.018)	131578	23.2576	93.0302
101	2,4-Dinitrotoluene	165	6.543	6.554	(1.028)	146033	22.5702	90.2808
102	Dibenzofuran	168	6.554	6.559	(1.029)	546593	17.1164	68.4655
107	Diethyl phthalate	149	6.746	6.752	(1.060)	517799	20.3956	81.5826
109	4-Chlorophenyl phenyl ether	204	6.859	6.864	(1.077)	237862	17.0844	68.3375
110	Fluorene	166	6.864	6.869	(1.078)	427125	16.1283	64.5133
112	4-Nitroaniline	138	6.896	6.907	(1.083)	109618	20.3776	81.5103
113	4,6-Dinitro-2-methylphenol	198	6.912	6.917	(0.898)	89863	17.0038	68.0153
115	N-nitrosodiphenylamine	169	6.966	6.976	(0.905)	311440	13.5810	54.3241
116	Azobenzene	77	6.998	7.003	(1.099)	686301	21.1980	84.7922
234	1,2-DPH(as Azobenzene)	77	6.998	7.003	(1.099)	686301	21.4307	85.7227
124	4-Bromophenyl phenyl ether	248	7.291	7.297	(0.947)	148770	17.3549	69.4196
125	Hexachlorobenzene	284	7.350	7.355	(0.955)	166041	17.1121	68.4485
129	Pentachlorophenol	266	7.526	7.532	(0.978)	102927	22.4253	89.7012
136	Phenanthrene	178	7.719	7.719	(1.003)	687461	18.1577	72.6310
137	Anthracene	178	7.761	7.767	(1.008)	675314	17.3242	69.2969
140	Carbazole	167	7.900	7.911	(1.026)	627977	17.9360	71.7438
143	Di-n-butyl phthalate	149	8.162	8.162	(1.060)	768460	18.7561	75.0244
149	Fluoranthene	202	8.734	8.744	(1.135)	773307	17.8522	71.4089
151	Benzidine	184	Compound Not Detected.					

EPAPAV0012026

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152 Pyrene	202	8.931	8.942	(0.896)	790021	17.9760	71.9041
159 Butyl benzyl phthalate	149	9.439	9.439	(0.947)	344153	18.7362	74.9449
164 3 3'-Dichlorobenzidine	252	9.930	9.925	(0.996)	177341	10.7214	42.8858
165 Benzo(a)anthracene	228	9.957	9.952	(0.999)	822194	18.2607	73.0429
167 Chrysene	228	9.989	9.989	(1.002)	760231	19.1225	76.4900
162 Bis(2-ethylhexyl) phthalate	149	9.898	9.893	(0.993)	460607	19.5668	78.2673
168 Di-n-octyl phthalate	149	10.443	10.432	(1.048)	742500	19.8903	79.5610
171 Benzo(b)fluoranthene	252	10.871	10.849	(0.971)	748701	15.9787	63.9146
172 Benzo(k)fluoranthene	252	10.892	10.871	(0.973)	806591	16.1248	64.4992(H)
178 Benzo(a)pyrene	252	11.148	11.122	(0.996)	626519	14.5977	58.3910
186 Indeno(1,2,3-cd)pyrene	276	12.046	12.014	(1.208)	782340	16.4163	65.6651
185 Dibenz(a,h)anthracene	278	12.051	12.008	(1.076)	551040	16.6577	66.6309
188 Benzo(g,h,i)perylene	276	12.297	12.260	(1.098)	684738	17.2246	68.8983
19 Methyl Styrene	118	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0721.D

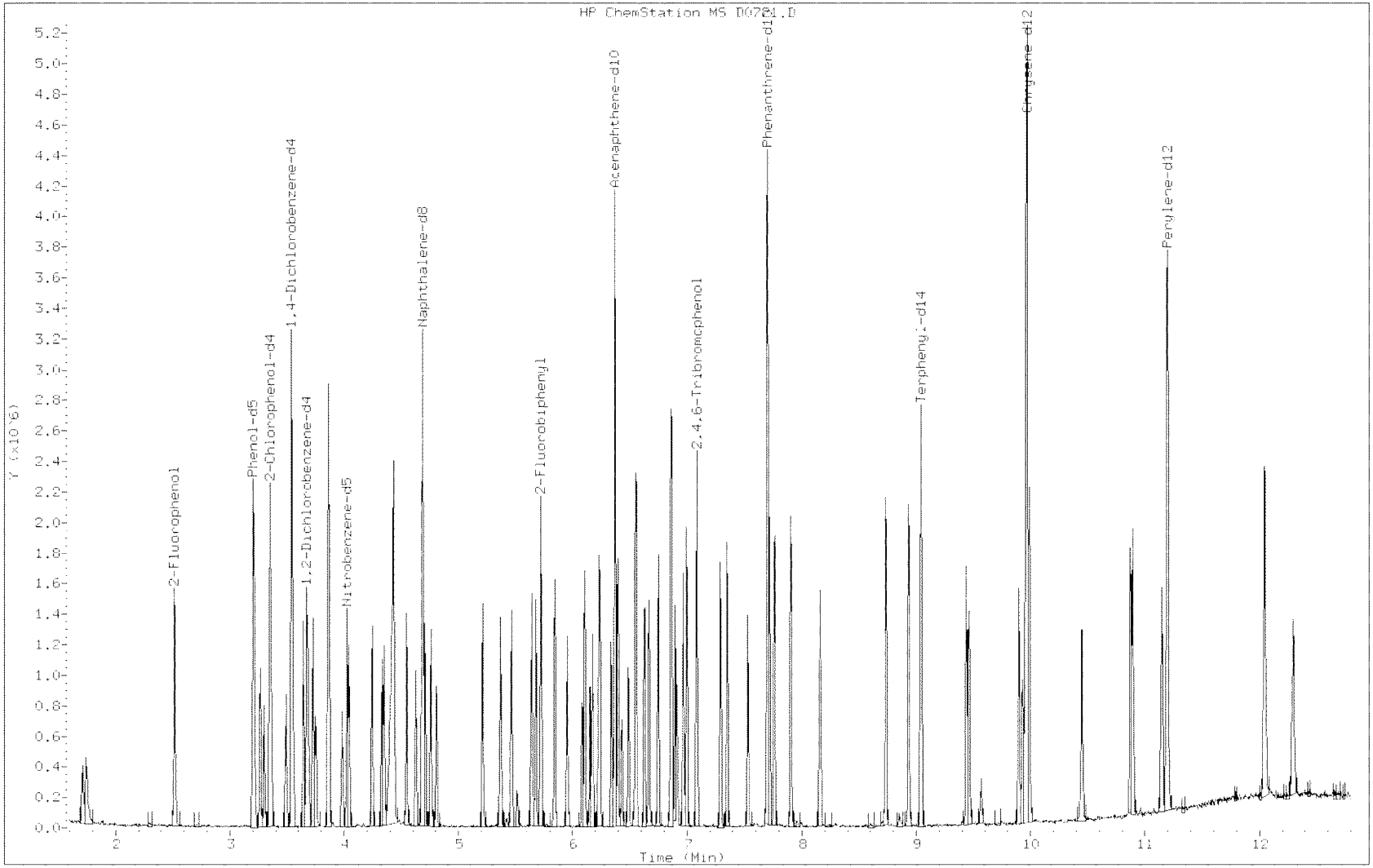
Date: 08-MAY-2012 12:49

Client ID:

Instrument: D.i

Sample Info: lcs280-117171_2-a,4,

Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117171/3-A

Matrix: Water | Lab File ID: D0720.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 1000(mL) | Date Analyzed: 05/08/2012 12:31

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-53-3	Aniline	55.5		10	2.0
100-51-6	Benzyl alcohol	73.1		10	0.23
111-91-1	Bis(2-chloroethoxy)methane	72.3		10	0.97
111-44-4	Bis(2-chloroethyl)ether	67.4		10	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	81.2		10	0.56
85-68-7	Butyl benzyl phthalate	76.1		4.0	1.0
132-64-9	Dibenzofuran	65.9		4.0	0.29
84-66-2	Diethyl phthalate	71.8		4.0	0.38
131-11-3	Dimethyl phthalate	74.5		4.0	0.21
84-74-2	Di-n-butyl phthalate	76.7		4.0	1.2
117-84-0	Di-n-octyl phthalate	86.0		4.0	0.35
118-74-1	Hexachlorobenzene	67.9		10	0.66
77-47-4	Hexachlorocyclopentadiene	ND		50	10
67-72-1	Hexachloroethane	44.1		10	2.1
78-59-1	Isophorone	73.7		10	0.21
98-95-3	Nitrobenzene	72.8		10	0.81
62-75-9	N-Nitrosodimethylamine	68.5		10	0.29
621-64-7	N-Nitrosodi-n-propylamine	73.8		10	0.35
87-86-5	Pentachlorophenol	72.4		50	20
108-95-2	Phenol	73.3		10	2.0
110-86-1	Pyridine	59.8		20	1.7
95-95-4	2,4,5-Trichlorophenol	76.9		10	0.45
88-06-2	2,4,6-Trichlorophenol	71.4		10	0.29
120-83-2	2,4-Dichlorophenol	70.6		10	0.64
105-67-9	2,4-Dimethylphenol	54.6		10	0.58
51-28-5	2,4-Dinitrophenol	76.2		30	10
121-14-2	2,4-Dinitrotoluene	73.6		10	1.7
606-20-2	2,6-Dinitrotoluene	72.5		10	1.9
91-58-7	2-Chloronaphthalene	55.7		4.0	0.26
95-57-8	2-Chlorophenol	63.9		10	2.0
15831-10-4	3 & 4 Methylphenol	148		10	0.25
91-94-1	3,3'-Dichlorobenzidine	39.0	J	50	2.0
99-09-2	3-Nitroaniline	73.8		10	2.0
534-52-1	4,6-Dinitro-2-methylphenol	78.2		50	4.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117171/3-A

Matrix: Water | Lab File ID: D0720.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 1000(mL) | Date Analyzed: 05/08/2012 12:31

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	69.3		10	0.98
88-74-4	2-Nitroaniline	81.4		10	1.7
88-75-5	2-Nitrophenol	71.1		10	0.39
101-55-3	4-Bromophenyl phenyl ether	74.6		10	0.43
59-50-7	4-Chloro-3-methylphenol	76.1		10	2.4
106-47-8	4-Chloroaniline	68.2		10	2.1
7005-72-3	4-Chlorophenyl phenyl ether	67.4		10	1.7
100-01-6	4-Nitroaniline	76.1		10	2.0
100-02-7	4-Nitrophenol	95.7		10	1.2
103-33-3	Azobenzene	76.9		4.0	0.23
86-74-8	Carbazole	71.7		4.0	0.43
108-60-1	bis (2-chloroisopropyl) ether	70.9		10	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	87		51-120
4165-62-2	Phenol-d5	94		51-120
4165-60-0	Nitrobenzene-d5	93		48-120
321-60-8	2-Fluorobiphenyl	72		38-120
1718-51-0	Terphenyl-d14	98		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0720.D
Lab Smp Id: LCSD 280-117171/3-A
Inj Date : 08-MAY-2012 12:31
Operator : hoffmanm Inst ID: D.i
Smp Info : lcsd280-117171_3-a
Misc Info : LCSD 280-117171_3-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 9 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26	1,4-Dichlorobenzene-d4	152	3.542	3.541	(1.000)	340985	40.0000	
* 58	Naphthalene-d8	136	4.690	4.689	(1.000)	1217630	40.0000	
* 96	Acenaphthene-d10	164	6.368	6.372	(1.000)	859000	40.0000	
* 135	Phenanthrene-d10	188	7.698	7.702	(1.000)	1478233	40.0000	
* 166	Chrysene-d12	240	9.968	9.973	(1.000)	1793122	40.0000	
* 179	Perylene-d12	264	11.186	11.201	(1.000)	1582737	40.0000	
$ 8	2-Fluorophenol	112	2.516	2.521	(0.710)	1523910	130.741	130.741
$ 15	Phenol-d5	99	3.205	3.210	(0.905)	2107622	141.109	141.109
$ 43	Nitrobenzene-d5	82	4.028	4.027	(0.859)	1477957	93.2570	93.2570
$ 81	2-Fluorobiphenyl	172	5.721	5.726	(0.898)	2023888	72.2794	72.2794
$ 118	2,4,6-Tribromophenol	330	7.089	7.094	(1.113)	821817	153.132	153.132
$ 154	Terphenyl-d14	244	9.044	9.044	(0.907)	3263146	98.4481	98.4481
$ 29	1,2-Dichlorobenzene-d4	152	3.675	3.675	(1.038)	544825	60.5776	60.5776
$ 22	2-Chlorophenol-d4	132	3.349	3.354	(0.946)	1638855	127.610	127.610
4	1,4-Dioxane	88	1.560	1.559	(0.440)	328874	62.7597	62.7597
6	Pyridine	79	1.747	1.746	(0.493)	838064	59.7936	59.7936
5	N-Nitrosodimethylamine	74	1.715	1.714	(0.484)	573647	68.4633	68.4633
18	Aniline	93	3.269	3.274	(0.923)	1087967	55.4648	55.4648
16	Phenol	94	3.216	3.221	(0.908)	1111527	73.2863	73.2863
20	Bis(2-chloroethyl) ether	93	3.301	3.306	(0.932)	846420	67.3907	67.3907
23	2-Chlorophenol	128	3.365	3.365	(0.950)	816856	63.9430	63.9430
25	1,3-Dichlorobenzene	146	3.494	3.498	(0.986)	618300	43.0000	43.0000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
27	1,4-Dichlorobenzene	146	3.558	3.557	(1.005)	622182	42.4125	42.4125
28	Benzyl alcohol	108	3.649	3.648	(1.030)	574836	73.1185	73.1185
30	1,2-Dichlorobenzene	146	3.686	3.691	(1.041)	612942	44.1860	44.1860
32	2-Methylphenol	108	3.729	3.733	(1.053)	764691	69.2571	69.2571
34	2,2'-oxybis(1-chloropropane)	45	3.750	3.755	(1.059)	769406	70.9302	70.9302
138	3-Methylphenol	108	3.868	3.867	(1.092)	1714807	148.240	148.240
36	4-Methylphenol	108	3.868	3.867	(1.092)	1714807	148.240	148.240
139	3 & 4-Methylphenol	108	3.868	3.867	(1.092)	1714807	148.240	148.240
37	N-nitrosodi-n-propylamine	70	3.873	3.872	(1.094)	778030	73.7822	73.7822
41	Hexachloroethane	117	3.985	3.985	(1.125)	293342	44.0544	44.0544
44	Nitrobenzene	77	4.044	4.049	(0.862)	1149337	72.8471	72.8471
47	Isophorone	82	4.247	4.252	(0.905)	1808540	73.7087	73.7087
49	2-Nitrophenol	139	4.332	4.337	(0.924)	440664	71.1235	71.1235
50	2,4-Dimethylphenol	107	4.348	4.353	(0.927)	682040	54.6468	54.6468
52	Bis(2-chloroethoxy)methane	93	4.439	4.444	(0.946)	1010373	72.3475	72.3475
53	Benzoic acid	122	4.498	4.433	(0.959)	2738593	443.817	443.817(AQR)
54	2,4-Dichlorophenol	162	4.546	4.551	(0.969)	739260	70.5943	70.5943
57	1,2,4-Trichlorobenzene	180	4.632	4.631	(0.987)	555999	39.7864	39.7864
59	Naphthalene	128	4.706	4.711	(1.003)	1697371	51.4023	51.4023
60	4-Chloroaniline	127	4.760	4.764	(1.015)	971840	68.1894	68.1894
62	Hexachlorobutadiene	225	4.808	4.813	(1.025)	380452	42.0035	42.0035
68	4-Chloro-3-methylphenol	107	5.214	5.219	(1.112)	756704	76.1066	76.1066
71	2-Methylnaphthalene	142	5.369	5.368	(1.145)	1168861	51.2617	51.2617
72	1-Methylnaphthalene	142	5.465	5.470	(1.165)	1148520	53.3995	53.3995
74	Hexachlorocyclopentadiene	237	5.513	5.518	(0.866)	106062	9.71338	9.71338(a)
78	2,4,6-Trichlorophenol	196	5.641	5.646	(0.886)	672966	71.4250	71.4250
80	2,4,5-Trichlorophenol	196	5.679	5.683	(0.892)	717773	76.9263	76.9263
86	2-Chloronaphthalene	162	5.844	5.849	(0.918)	1366581	55.7430	55.7430
88	2-Nitroaniline	65	5.951	5.956	(0.935)	656103	81.3738	81.3738
91	Dimethyl phthalate	163	6.111	6.111	(0.960)	2076815	74.5147	74.5147
93	2,6-Dinitrotoluene	165	6.175	6.180	(0.970)	456450	72.4634	72.4634
94	Acenaphthylene	152	6.240	6.244	(0.980)	2267111	60.9010	60.9010
95	3-Nitroaniline	138	6.341	6.346	(0.996)	473784	73.8411	73.8411
97	Acenaphthene	153	6.400	6.405	(1.005)	1453710	60.8853	60.8853
98	2,4-Dinitrophenol	184	6.432	6.437	(1.010)	328887	76.1643	76.1643
99	4-Nitrophenol	109	6.491	6.495	(1.019)	614074	95.7043	95.7043
101	2,4-Dinitrotoluene	165	6.549	6.554	(1.029)	650334	73.6079	73.6079
102	Dibenzofuran	168	6.555	6.559	(1.029)	2387937	65.9327	65.9326
107	Diethyl phthalate	149	6.747	6.752	(1.060)	2067358	71.7996	71.7996
109	4-Chlorophenyl phenyl ether	204	6.859	6.864	(1.077)	1063825	67.3711	67.3711
110	Fluorene	166	6.870	6.869	(1.079)	1940966	64.6223	64.6223
112	4-Nitroaniline	138	6.902	6.907	(1.084)	464088	76.0678	76.0678
113	4,6-Dinitro-2-methylphenol	198	6.913	6.917	(0.898)	444227	78.1753	78.1752
115	N-nitrosodiphenylamine	169	6.971	6.976	(0.906)	1351010	54.7918	54.7918
116	Azobenzene	77	6.998	7.003	(1.099)	2823543	76.8963	76.8963
234	1,2-DPH(as Azobenzene)	77	6.998	7.003	(1.099)	2823543	77.7402	77.7402
124	4-Bromophenyl phenyl ether	248	7.297	7.297	(0.948)	687630	74.6037	74.6037
125	Hexachlorobenzene	284	7.356	7.355	(0.956)	708321	67.8918	67.8918
129	Pentachlorophenol	266	7.527	7.532	(0.978)	513777	72.3652	72.3652
136	Phenanthrene	178	7.719	7.719	(1.003)	2922392	71.7879	71.7879
137	Anthracene	178	7.762	7.767	(1.008)	2901131	69.2172	69.2172
140	Carbazole	167	7.906	7.911	(1.027)	2697418	71.6519	71.6519
143	Di-n-butyl phthalate	149	8.163	8.162	(1.060)	3379607	76.7161	76.7161
149	Fluoranthene	202	8.740	8.744	(1.135)	3409272	73.1983	73.1983
151	Benzidine	184	Compound Not Detected.					

EPAPAV0012032

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152	Pyrene	202	8.937	8.942	(0.897)	3539599	73.8201	73.8201
159	Butyl benzyl phthalate	149	9.439	9.439	(0.947)	1525679	76.1306	76.1306
164	3 3'-Dichlorobenzidine	252	9.931	9.925	(0.996)	704643	39.0462	39.0462
165	Benzo(a)anthracene	228	9.958	9.952	(0.999)	3638975	74.0779	74.0778
167	Chrysene	228	9.990	9.989	(1.002)	3212373	74.0612	74.0612
162	Bis(2-ethylhexyl) phthalate	149	9.894	9.893	(0.992)	2084924	81.1794	81.1794
168	Di-n-octyl phthalate	149	10.438	10.432	(1.047)	3501925	85.9837	85.9837
171	Benzo(b)fluoranthene	252	10.866	10.849	(0.971)	3472322	70.9300	70.9300
172	Benzo(k)fluoranthene	252	10.887	10.871	(0.973)	3685074	70.5123	70.5123(H)
178	Benzo(a)pyrene	252	11.138	11.122	(0.996)	2790668	62.2354	62.2354
186	Indeno(1,2,3-cd)pyrene	276	12.036	12.014	(1.207)	3705938	71.2759	71.2759
185	Dibenz(a,h)anthracene	278	12.036	12.008	(1.076)	2732686	57.9335	57.9335
188	Benzo(g,h,i)perylene	276	12.287	12.260	(1.098)	3103427	74.7212	74.7212
19	Methyl Styrene	118	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0720.D

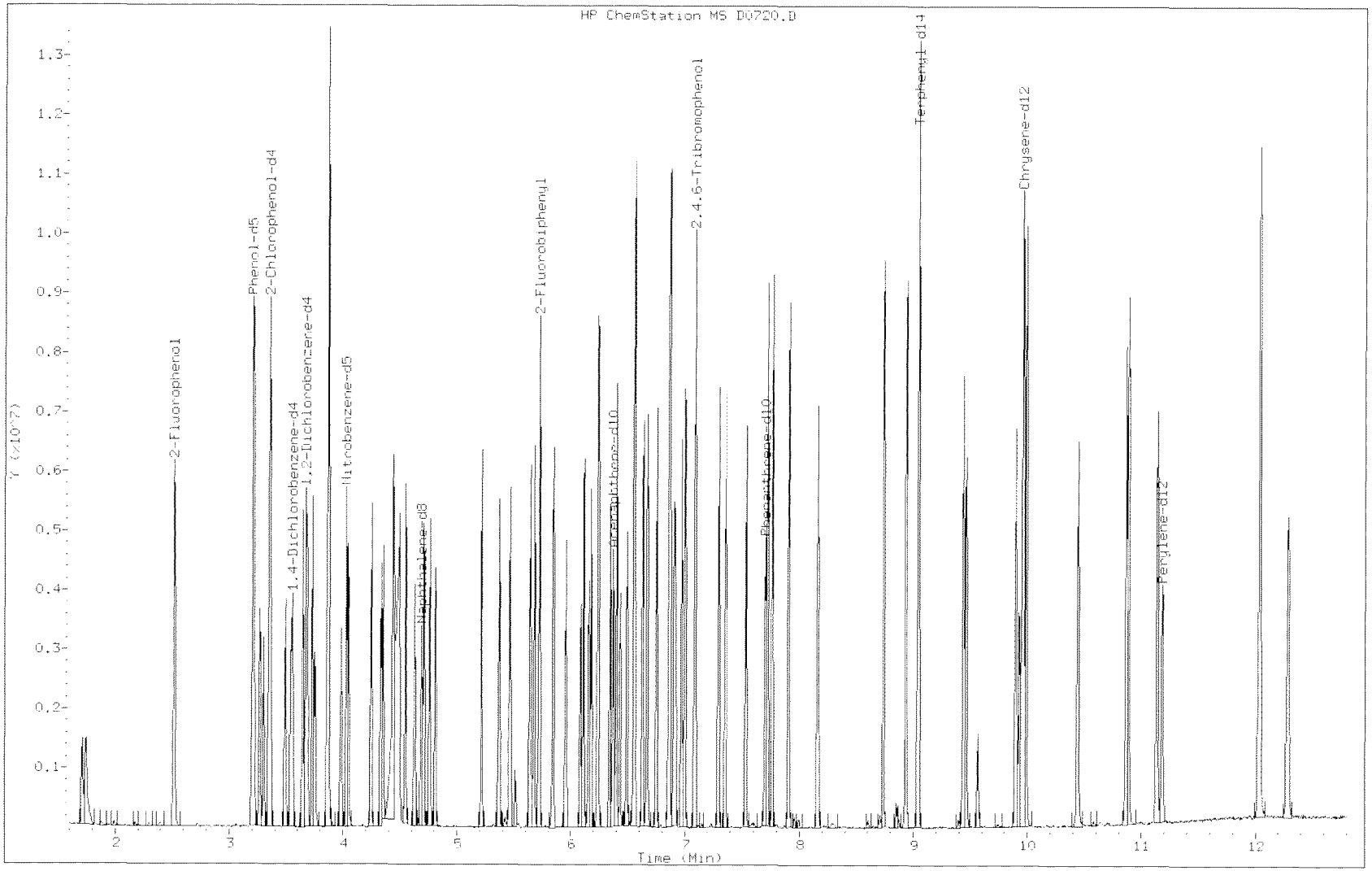
Date: 08-MAY-2012 12:31

Client ID:

Instrument: D.i

Sample Info: lcsd280-117171_3-a

Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117171/3-A DL

Matrix: Water | Lab File ID: D0722.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 1000(mL) | Date Analyzed: 05/08/2012 13:08

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	400		100	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	86		51-120
4165-62-2	Phenol-d5	90		51-120
4165-60-0	Nitrobenzene-d5	93		48-120
321-60-8	2-Fluorobiphenyl	75		38-120
1718-51-0	Terphenyl-d14	92		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0722.D
Lab Smp Id: LCSD 280-117171/3-A
Inj Date : 08-MAY-2012 13:08
Operator : hoffmanm Inst ID: D.i
Smp Info : lcsd280-117171_3-a,4,
Misc Info : LCSD 280-117171_3-A
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 11 QC Sample: LCSD
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.540	3.541	(1.000)	313433	40.0000	
* 58 Naphthalene-d8	136	4.689	4.689	(1.000)	1145994	40.0000	
* 96 Acenaphthene-d10	164	6.366	6.372	(1.000)	747346	40.0000	
* 135 Phenanthrene-d10	188	7.696	7.702	(1.000)	1375502	40.0000	
* 166 Chrysene-d12	240	9.961	9.973	(1.000)	1642400	40.0000	
* 179 Perylene-d12	264	11.179	11.201	(1.000)	1492356	40.0000	
$ 8 2-Fluorophenol	112	2.514	2.521	(0.710)	345822	32.2772	129.109
$ 15 Phenol-d5	99	3.204	3.210	(0.905)	465165	33.8812	135.525
$ 43 Nitrobenzene-d5	82	4.026	4.027	(0.859)	345938	23.1927	92.7707
$ 81 2-Fluorobiphenyl	172	5.720	5.726	(0.898)	454144	18.6420	74.5680
$ 118 2,4,6-Tribromophenol	330	7.082	7.094	(1.112)	158664	40.8759	163.504
$ 154 Terphenyl-d14	244	9.043	9.044	(0.908)	695998	22.9250	91.7001
$ 29 1,2-Dichlorobenzene-d4	152	3.674	3.675	(1.038)	119523	14.4576	57.8305
$ 22 2-Chlorophenol-d4	132	3.348	3.354	(0.946)	368164	31.1871	124.748
4 1,4-Dioxane	88	1.558	1.559	(0.440)	76268	15.8338	63.3351
6 Pyridine	79	1.745	1.746	(0.493)	197651	15.3415	61.3658
5 N-Nitrosodimethylamine	74	1.713	1.714	(0.484)	131407	17.0617	68.2468
18 Aniline	93	3.268	3.274	(0.923)	258356	14.3288	57.3153
16 Phenol	94	3.214	3.221	(0.908)	250884	17.9956	71.9824
20 Bis(2-chloroethyl) ether	93	3.300	3.306	(0.932)	193399	16.7517	67.0068
23 2-Chlorophenol	128	3.364	3.365	(0.950)	206500	17.5856	70.3426
25 1,3-Dichlorobenzene	146	3.492	3.498	(0.986)	144984	10.9693	43.8773

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
27	1,4-Dichlorobenzene	146	3.556	3.557	(1.005)	150641	11.1715	44.6858
28	Benzyl alcohol	108	3.642	3.648	(1.029)	125097	17.3109	69.2437
30	1,2-Dichlorobenzene	146	3.690	3.691	(1.042)	154657	12.1290	48.5161
32	2-Methylphenol	108	3.727	3.733	(1.053)	176337	17.3745	69.4980
34	2,2'-oxybis(1-chloropropane)	45	3.749	3.755	(1.059)	195355	19.5925	78.3702
138	3-Methylphenol	108	3.861	3.867	(1.091)	356289	33.5075	134.030
36	4-Methylphenol	108	3.861	3.867	(1.091)	356289	33.5075	134.030
139	3 & 4-Methylphenol	108	3.861	3.867	(1.091)	356289	33.5075	134.030
37	N-nitrosodi-n-propylamine	70	3.871	3.872	(1.094)	182026	18.7793	75.1171
41	Hexachloroethane	117	3.984	3.985	(1.125)	70649	11.5428	46.1713
44	Nitrobenzene	77	4.042	4.049	(0.862)	275919	18.5814	74.3258
47	Isophorone	82	4.245	4.252	(0.905)	416975	18.0565	72.2260
49	2-Nitrophenol	139	4.331	4.337	(0.924)	103544	17.7567	71.0270
50	2,4-Dimethylphenol	107	4.347	4.353	(0.927)	162774	13.8571	55.4284
52	Bis(2-chloroethoxy)methane	93	4.438	4.444	(0.946)	240111	18.2678	73.0713
53	Benzoic acid	122	4.432	4.433	(0.945)	580386	99.9370	399.748(R)
54	2,4-Dichlorophenol	162	4.545	4.551	(0.969)	162738	16.5118	66.0472
57	1,2,4-Trichlorobenzene	180	4.630	4.631	(0.987)	138239	10.5105	42.0421
59	Naphthalene	128	4.705	4.711	(1.003)	384671	12.3774	49.5095
60	4-Chloroaniline	127	4.758	4.764	(1.015)	221277	16.4965	65.9859
62	Hexachlorobutadiene	225	4.812	4.813	(1.026)	94008	11.0277	44.1106
68	4-Chloro-3-methylphenol	107	5.212	5.219	(1.112)	158648	16.9537	67.8147
71	2-Methylnaphthalene	142	5.367	5.368	(1.145)	270471	12.6033	50.4132
72	1-Methylnaphthalene	142	5.463	5.470	(1.165)	276122	13.6406	54.5623
74	Hexachlorocyclopentadiene	237	5.511	5.518	(0.866)	21349	2.24729	8.98917(a)
78	2,4,6-Trichlorophenol	196	5.640	5.646	(0.886)	147837	18.0348	72.1392
80	2,4,5-Trichlorophenol	196	5.677	5.683	(0.892)	161498	19.8942	79.5768
86	2-Chloronaphthalene	162	5.843	5.849	(0.918)	325261	15.2496	60.9984
88	2-Nitroaniline	65	5.949	5.956	(0.935)	152463	21.7344	86.9377
91	Dimethyl phthalate	163	6.104	6.111	(0.959)	475886	19.6254	78.5016
93	2,6-Dinitrotoluene	165	6.174	6.180	(0.970)	102041	18.6197	74.4786
94	Acenaphthylene	152	6.238	6.244	(0.980)	509678	15.7369	62.9476
95	3-Nitroaniline	138	6.339	6.346	(0.996)	107937	19.3357	77.3427
97	Acenaphthene	153	6.398	6.405	(1.005)	322471	15.5237	62.0950
98	2,4-Dinitrophenol	184	6.430	6.437	(1.010)	66536	25.7502	103.001(R)
99	4-Nitrophenol	109	6.489	6.495	(1.019)	134850	24.1564	96.6258
101	2,4-Dinitrotoluene	165	6.548	6.554	(1.029)	144814	22.6621	90.6483
102	Dibenzofuran	168	6.553	6.559	(1.029)	535458	16.9932	67.9727
107	Diethyl phthalate	149	6.745	6.752	(1.060)	490175	19.5672	78.2688
109	4-Chlorophenyl phenyl ether	204	6.858	6.864	(1.077)	237498	17.2876	69.1504
110	Fluorene	166	6.863	6.869	(1.078)	418585	16.0184	64.0736
112	4-Nitroaniline	138	6.895	6.907	(1.083)	106702	20.1022	80.4089
113	4,6-Dinitro-2-methylphenol	198	6.911	6.917	(0.898)	92908	17.5711	70.2844
115	N-nitrosodiphenylamine	169	6.964	6.976	(0.905)	317098	13.8208	55.2830
116	Azobenzene	77	6.997	7.003	(1.099)	650467	20.3614	81.4456
234	1,2-DPH(as Azobenzene)	77	6.997	7.003	(1.099)	650467	20.5849	82.3394
124	4-Bromophenyl phenyl ether	248	7.296	7.297	(0.948)	149002	17.3732	69.4927
125	Hexachlorobenzene	284	7.354	7.355	(0.956)	154538	15.9186	63.6743
129	Pentachlorophenol	266	7.525	7.532	(0.978)	99936	22.0012	88.0049
136	Phenanthrene	178	7.718	7.719	(1.003)	657103	17.3471	69.3885
137	Anthracene	178	7.760	7.767	(1.008)	621236	15.9289	63.7155
140	Carbazole	167	7.905	7.911	(1.027)	604841	17.2664	69.0657
143	Di-n-butyl phthalate	149	8.161	8.162	(1.060)	736386	17.9642	71.8567
149	Fluoranthene	202	8.738	8.744	(1.135)	752572	17.3648	69.4590
151	Benzidine	184	Compound Not Detected.					

EPAPAV0012037

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152	Pyrene	202	8.936	8.942	(0.897)	753966	17.1674	68.6694
159	Butyl benzyl phthalate	149	9.433	9.439	(0.947)	321562	17.5183	70.0731
164	3 3'-Dichlorobenzidine	252	9.924	9.925	(0.996)	171286	10.3624	41.4498
165	Benzo(a)anthracene	228	9.951	9.952	(0.999)	798526	17.7472	70.9887
167	Chrysene	228	9.983	9.989	(1.002)	723456	18.2099	72.8396
162	Bis(2-ethylhexyl) phthalate	149	9.892	9.893	(0.993)	418631	17.7958	71.1832
168	Di-n-octyl phthalate	149	10.437	10.432	(1.048)	718116	19.2502	77.0007
171	Benzo(b)fluoranthene	252	10.859	10.849	(0.971)	739892	16.0293	64.1172
172	Benzo(k)fluoranthene	252	10.880	10.871	(0.973)	759313	15.4091	61.6362
178	Benzo(a)pyrene	252	11.131	11.122	(0.996)	604692	14.3021	57.2084
186	Indeno(1,2,3-cd)pyrene	276	12.023	12.014	(1.207)	762423	16.0093	64.0370
185	Dibenz(a,h)anthracene	278	12.023	12.008	(1.075)	548130	16.7693	67.0771
188	Benzo(g,h,i)perylene	276	12.275	12.260	(1.098)	666116	17.0094	68.0375
19	Methyl Styrene	118	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: D0722.D

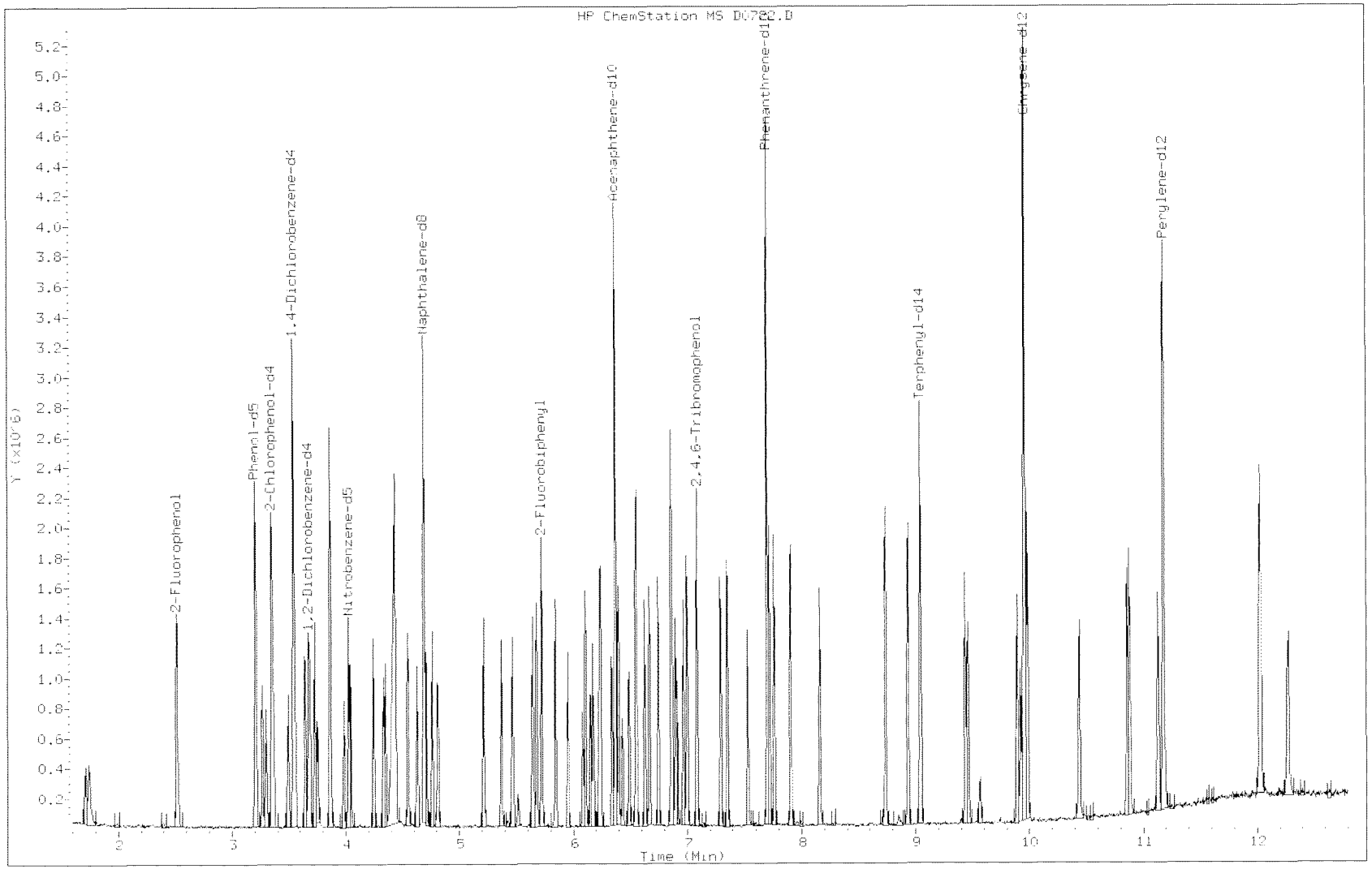
Date: 08-MAY-2012 13:08

Client ID:

Instrument: D.i

Sample Info: lcsd280-117171_3-a,4,

Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-B-4-A MS

Matrix: Water | Lab File ID: D0724.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 959.4(mL) | Date Analyzed: 05/08/2012 13:44

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-53-3	Aniline	56.5		10	2.1
100-51-6	Benzyl alcohol	75.5		10	0.24
111-91-1	Bis(2-chloroethoxy)methane	77.5		10	1.0
111-44-4	Bis(2-chloroethyl)ether	67.5		10	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	83.4		10	0.58
85-68-7	Butyl benzyl phthalate	80.2		4.2	1.0
132-64-9	Dibenzofuran	76.8		4.2	0.30
84-66-2	Diethyl phthalate	79.5		4.2	0.40
131-11-3	Dimethyl phthalate	76.9		4.2	0.22
84-74-2	Di-n-butyl phthalate	84.6		4.2	1.2
117-84-0	Di-n-octyl phthalate	85.5		4.2	0.36
122-39-4	Diphenylamine	ND		10	1.1
118-74-1	Hexachlorobenzene	76.2		10	0.69
77-47-4	Hexachlorocyclopentadiene	23.1	J	52	10
67-72-1	Hexachloroethane	66.4		10	2.2
78-59-1	Isophorone	77.0		10	0.22
98-95-3	Nitrobenzene	74.8		10	0.84
62-75-9	N-Nitrosodimethylamine	73.1		10	0.30
621-64-7	N-Nitrosodi-n-propylamine	79.2		10	0.36
87-86-5	Pentachlorophenol	80.7		52	21
108-95-2	Phenol	86.4		10	2.1
110-86-1	Pyridine	64.8		21	1.8
99-65-0	1,3-Dinitrobenzene	ND		10	2.1
58-90-2	2,3,4,6-Tetrachlorophenol	ND		52	2.1
95-95-4	2,4,5-Trichlorophenol	85.3		10	0.47
88-06-2	2,4,6-Trichlorophenol	76.0		10	0.30
120-83-2	2,4-Dichlorophenol	86.4		10	0.67
105-67-9	2,4-Dimethylphenol	65.0		10	0.60
51-28-5	2,4-Dinitrophenol	79.6		31	10
121-14-2	2,4-Dinitrotoluene	81.5		10	1.7
606-20-2	2,6-Dinitrotoluene	75.7		10	2.0
100-25-4	1,4-Dinitrobenzene	ND		10	2.1
91-58-7	2-Chloronaphthalene	75.2		4.2	0.27
95-57-8	2-Chlorophenol	69.3		10	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-B-4-A MS

Matrix: Water | Lab File ID: D0724.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 959.4(mL) | Date Analyzed: 05/08/2012 13:44

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methyl phenol	161		10	0.26
91-94-1	3,3'-Dichlorobenzidine	46.5	J	52	2.1
99-09-2	3-Nitroaniline	81.3		10	2.1
534-52-1	4,6-Dinitro-2-methyl phenol	85.8		52	4.2
95-48-7	2-Methyl phenol	73.8		10	1.0
88-74-4	2-Nitroaniline	92.4		10	1.8
88-75-5	2-Nitrophenol	77.0		10	0.41
101-55-3	4-Bromophenyl phenyl ether	80.6		10	0.45
59-50-7	4-Chloro-3-methyl phenol	78.2		10	2.5
106-47-8	4-Chloroaniline	72.2		10	2.2
7005-72-3	4-Chlorophenyl phenyl ether	79.7		10	1.7
100-01-6	4-Nitroaniline	80.8		10	2.1
100-02-7	4-Nitrophenol	99.0		10	1.3
103-33-3	Azobenzene	88.0		4.2	0.24
86-74-8	Carbazole	77.2		4.2	0.45
108-60-1	bis (2-chloroisopropyl) ether	82.3		10	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	84		51-120
4165-62-2	Phenol-d5	92		51-120
4165-60-0	Nitrobenzene-d5	90		48-120
321-60-8	2-Fluorobiphenyl	90		38-120
1718-51-0	Terphenyl-d14	99		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0724.D
Lab Smp Id: 280-28131-B-4-A MS Client Smp ID: 431525108371901
Inj Date : 08-MAY-2012 13:44
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28131-B-4-AMS
Misc Info : 280-28131-B-4-A MS
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	959.400	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.543	3.541	(1.000)	341592	40.0000	
* 58 Naphthalene-d8	136	4.686	4.689	(1.000)	1234845	40.0000	
* 96 Acenaphthene-d10	164	6.369	6.372	(1.000)	828922	40.0000	
* 135 Phenanthrene-d10	188	7.699	7.702	(1.000)	1493455	40.0000	
* 166 Chrysene-d12	240	9.970	9.973	(1.000)	1970276	40.0000	
* 179 Perylene-d12	264	11.188	11.201	(1.000)	1699546	40.0000	
$ 8 2-Fluorophenol	112	2.517	2.521	(0.711)	1467500	125.678	130.996
$ 15 Phenol-d5	99	3.206	3.210	(0.905)	2066861	138.134	143.979
$ 43 Nitrobenzene-d5	82	4.029	4.027	(0.860)	1452860	90.3954	94.2207
$ 81 2-Fluorobiphenyl	172	5.723	5.726	(0.899)	2439992	90.3016	94.1230
$ 118 2,4,6-Tribromophenol	330	7.090	7.094	(1.113)	824536	158.237	164.934
$ 154 Terphenyl-d14	244	9.045	9.044	(0.907)	3598883	98.8146	102.996
$ 29 1,2-Dichlorobenzene-d4	152	3.677	3.675	(1.038)	673996	74.8066	77.9722
$ 22 2-Chlorophenol-d4	132	3.351	3.354	(0.946)	1598699	124.262	129.520
4 1,4-Dioxane	88	1.556	1.559	(0.439)	308988	58.8600	61.3509
5 N-Nitrosodimethylamine	74	1.716	1.714	(0.484)	588500	70.1111	73.0781
6 Pyridine	79	1.748	1.746	(0.493)	872818	62.1625	64.7931
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
16	Phenol	94	3.217	3.221	(0.908)	1259430	82.8904	86.3982
18	Aniline	93	3.271	3.274	(0.923)	1064510	54.1725	56.4650
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	3.303	3.306	(0.932)	814580	64.7404	67.4801
23	2-Chlorophenol	128	3.367	3.365	(0.950)	851079	66.5036	69.3179
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	3.495	3.498	(0.986)	830749	57.6722	60.1128
27	1,4-Dichlorobenzene	146	3.554	3.557	(1.003)	982770	66.8737	69.7037
28	Benzyl alcohol	108	3.650	3.648	(1.030)	570238	72.4047	75.4687
30	1,2-Dichlorobenzene	146	3.687	3.691	(1.041)	839201	60.3892	62.9447
32	2-Methylphenol	108	3.730	3.733	(1.053)	782735	70.7653	73.7600
34	2,2'-oxybis(1-chloropropane)	45	3.751	3.755	(1.059)	858341	78.9884	82.3310
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	3.869	3.867	(1.092)	1784831	154.019	160.537
36	4-Methylphenol	108	3.869	3.867	(1.092)	1784831	154.019	160.537
139	3 & 4-Methylphenol	108	3.869	3.867	(1.092)	1784831	154.019	160.537
37	N-nitrosodi-n-propylamine	70	3.874	3.872	(1.093)	802900	76.0053	79.2217
38	Acetophenone	105	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	3.981	3.985	(1.124)	424679	63.6654	66.3596
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	4.045	4.049	(0.863)	1148916	71.8052	74.8439
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	4.248	4.252	(0.907)	1838548	73.8871	77.0138
49	2-Nitrophenol	139	4.334	4.337	(0.925)	464093	73.8607	76.9863
50	2,4-Dimethylphenol	107	4.350	4.353	(0.928)	788749	62.3155	64.9526
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	4.440	4.444	(0.948)	1053254	74.3666	77.5136
53	Benzoic acid	122	4.547	4.433	(0.970)	5976703	955.082	995.500(ARH)
54	2,4-Dichlorophenol	162	4.547	4.551	(0.970)	880466	82.9063	86.4148
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	4.627	4.631	(0.987)	793260	55.9731	58.3418
59	Naphthalene	128	4.708	4.711	(1.005)	2202229	65.7614	68.5443
60	4-Chloroaniline	127	4.761	4.764	(1.016)	1000573	69.2267	72.1563
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	4.809	4.813	(1.026)	573725	62.4586	65.1017
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	5.215	5.219	(1.113)	756392	75.0146	78.1891
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.370	5.368	(1.146)	1528292	66.0906	68.8874
72	1-Methylnaphthalene	142	5.466	5.470	(1.166)	1527120	70.0124	72.9752
74	Hexachlorocyclopentadiene	237	5.514	5.518	(0.866)	233859	22.1944	23.1337
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	5.642	5.646	(0.886)	663056	72.9267	76.0128
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	5.680	5.683	(0.892)	737071	81.8609	85.3251
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

EPAPAV0012043

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
86	2-Chloronaphthalene	162	5.845	5.849	(0.918)	1706568	72.1371	75.1898
88	2-Nitroaniline	65	5.952	5.956	(0.935)	689789	88.6560	92.4078
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	6.113	6.111	(0.960)	1983070	73.7329	76.8532
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	6.177	6.180	(0.970)	441340	72.6070	75.6795
94	Acenaphthylene	152	6.241	6.244	(0.980)	2524994	70.2897	73.2642
95	3-Nitroaniline	138	6.342	6.346	(0.996)	482921	77.9962	81.2968
97	Acenaphthene	153	6.401	6.405	(1.005)	1632655	70.8612	73.8599
98	2,4-Dinitrophenol	184	6.433	6.437	(1.010)	318191	76.3341	79.5644
99	4-Nitrophenol	109	6.492	6.495	(1.019)	588251	95.0064	99.0269
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	6.551	6.554	(1.029)	672577	78.2159	81.5259
102	Dibenzofuran	168	6.556	6.559	(1.029)	2575986	73.7056	76.8247
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	6.748	6.752	(1.060)	2120486	76.3170	79.5465
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	6.860	6.864	(1.077)	1165323	76.4768	79.7131
110	Fluorene	166	6.866	6.869	(1.078)	2130753	73.5152	76.6262
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	6.903	6.907	(1.084)	456379	77.5185	80.7990
113	4,6-Dinitro-2-methylphenol	198	6.914	6.917	(0.898)	472804	82.3562	85.8413
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	6.973	6.976	(0.906)	1502705	60.3228	62.8755
116	Azobenzene	77	6.999	7.003	(1.099)	2990241	84.3911	87.9624
234	1,2-DPH(as Azobenzene)	77	6.999	7.003	(1.099)	2990241	85.3173	88.9277
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	7.293	7.297	(0.947)	720017	77.3213	80.5934
125	Hexachlorobenzene	284	7.357	7.355	(0.956)	770802	73.1275	76.2221
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	7.528	7.532	(0.978)	562806	77.4538	80.7315
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	7.721	7.719	(1.003)	3104660	75.4879	78.6824
137	Anthracene	178	7.763	7.767	(1.008)	3084382	72.8393	75.9217
140	Carbazole	167	7.908	7.911	(1.027)	2818581	74.1073	77.2434
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	8.159	8.162	(1.060)	3613340	81.1858	84.6214
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0012044

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	8.741	8.744	(1.135)	3683024	78.2698	81.5821
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	8.939	8.942	(0.897)	3793687	72.0054	75.0525
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.441	9.439	(0.947)	1695330	76.9898	80.2478
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	9.900	9.893	(0.993)	2257975	80.0124	83.3984
164	3 3'-Dichlorobenzidine	252	9.932	9.925	(0.996)	884001	44.5805	46.4671
165	Benzo(a)anthracene	228	9.959	9.952	(0.999)	3824773	70.8594	73.8581
167	Chrysene	228	9.991	9.989	(1.002)	3555172	74.5947	77.7514
168	Di-n-octyl phthalate	149	10.445	10.432	(1.048)	3669993	82.0082	85.4787
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	10.872	10.849	(0.972)	3451057	65.6505	68.4287
172	Benzo(k)fluoranthene	252	10.894	10.871	(0.974)	4370394	77.8781	81.1737(H)
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.145	11.122	(0.996)	3040533	63.1474	65.8196
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	12.042	12.008	(1.076)	2989089	58.8703	61.3616
186	Indeno(1,2,3-cd)pyrene	276	12.042	12.014	(1.208)	4057875	71.0274	74.0331
188	Benzo(g,h,i)perylene	276	12.288	12.260	(1.098)	3259637	73.0882	76.1812
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

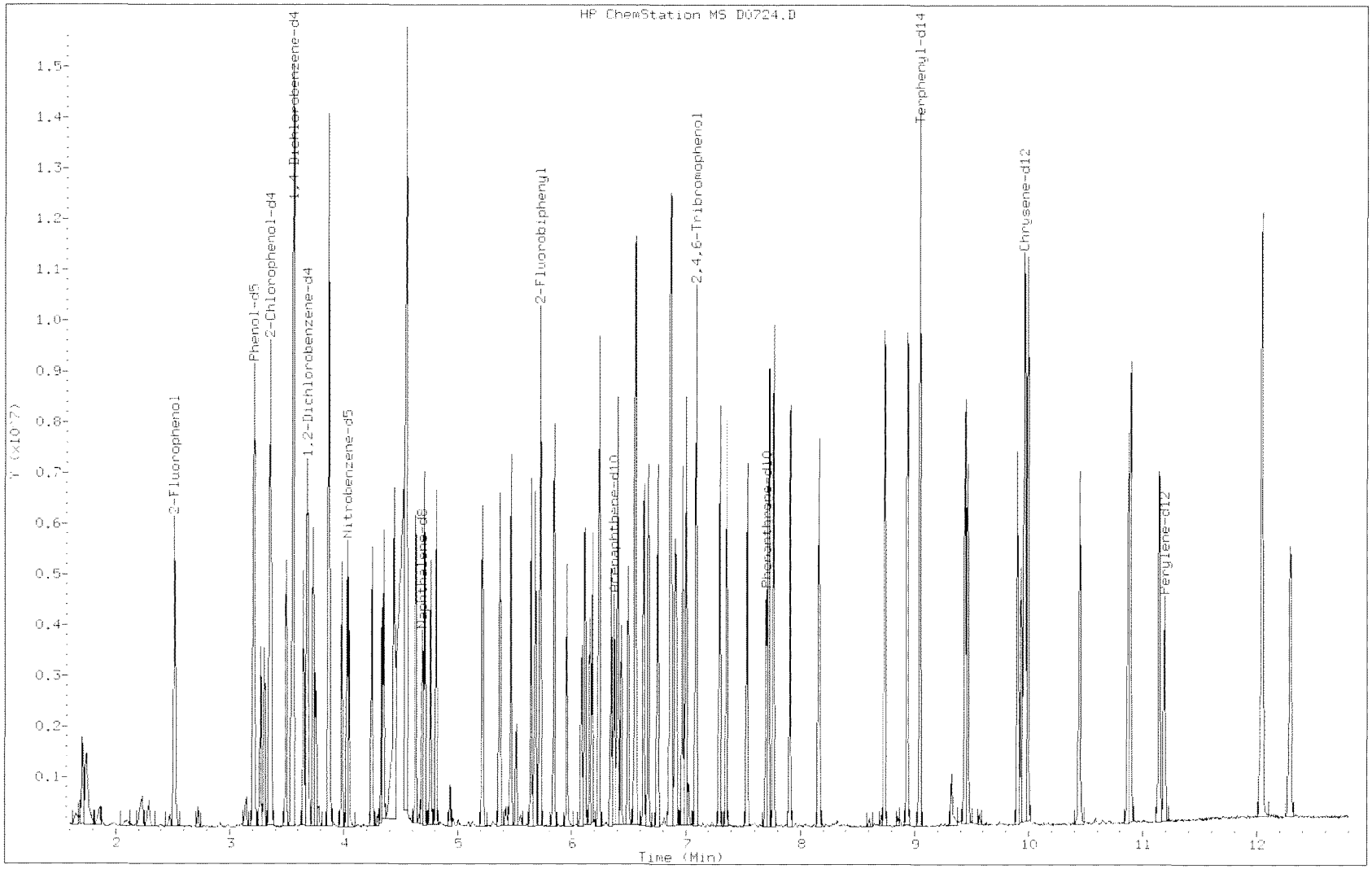
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0724.D

Date: 08-MAY-2012 13:44

Client ID: 431525108371901 Instrument: D.i

Sample Info: 280-28131-B-4-AMS Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	280-28131-B-4-A MS DL
Matrix:	Water	Lab File ID:	D0760.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	959.4(mL)	Date Analyzed:	05/09/2012 15:45
Con. Extract Vol.:	1000(uL)	Dilution Factor:	6
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119208	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	940		160	63

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	90		51-120
4165-62-2	Phenol-d5	97		51-120
4165-60-0	Nitrobenzene-d5	100		48-120
321-60-8	2-Fluorobiphenyl	93		38-120
1718-51-0	Terphenyl-d14	106		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0760.D
Lab Smp Id: 280-28131-B-4-A MS Client Smp ID: 431525108371901
Inj Date : 09-MAY-2012 15:45
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28131-b-4-ams,6,
Misc Info : 280-28131-B-4-A MS
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\8270C.m
Meth Date : 10-May-2012 07:39 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 7 QC Sample: MS
Dil Factor: 6.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	6.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	959.400	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.539	3.540	(1.000)	276784	40.0000	
* 58 Naphthalene-d8	136	4.688	4.689	(1.000)	994604	40.0000	
* 96 Acenaphthene-d10	164	6.371	6.366	(1.000)	698102	40.0000	
* 135 Phenanthrene-d10	188	7.701	7.702	(1.000)	1214080	40.0000	
* 166 Chrysene-d12	240	9.993	9.988	(1.000)	1489034	40.0000	
* 179 Perylene-d12	264	11.248	11.244	(1.000)	1348438	40.0000	
$ 8 2-Fluorophenol	112	2.508	2.510	(0.709)	213858	22.6033	141.359
$ 15 Phenol-d5	99	3.203	3.204	(0.905)	293396	24.1997	151.342
$ 43 Nitrobenzene-d5	82	4.025	4.027	(0.859)	216338	16.7116	104.513
$ 81 2-Fluorobiphenyl	172	5.724	5.720	(0.899)	353675	15.5420	97.1981
$ 118 2,4,6-Tribromophenol	330	7.092	7.088	(1.113)	101775	29.7124	185.819
$ 154 Terphenyl-d14	244	9.052	9.048	(0.906)	488284	17.7398	110.943
$ 29 1,2-Dichlorobenzene-d4	152	3.673	3.674	(1.038)	100322	13.7419	85.9403
$ 22 2-Chlorophenol-d4	132	3.347	3.348	(0.946)	238407	22.8695	143.024
4 1,4-Dioxane	88	1.541	1.543	(0.436)	52008	12.2269	76.4658
5 N-Nitrosodimethylamine	74	1.702	1.703	(0.481)	90500	13.3063	83.2161
6 Pyridine	79	1.734	1.730	(0.490)	127688	11.2233	70.1896
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
16	Phenol	94	3.213	3.215	(0.908)	184724	15.0045	93.8365
18	Aniline	93	3.262	3.268	(0.922)	158100	9.92951	62.0982(a)
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	3.299	3.300	(0.932)	118292	11.6028	72.5630
23	2-Chlorophenol	128	3.358	3.359	(0.949)	127197	12.2664	76.7132
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	3.491	3.493	(0.986)	127109	10.8903	68.1070
27	1,4-Dichlorobenzene	146	3.555	3.551	(1.005)	125208	10.5148	65.7588
28	Benzyl alcohol	108	3.641	3.642	(1.029)	85952	13.4689	84.2335
30	1,2-Dichlorobenzene	146	3.689	3.685	(1.042)	119984	10.6557	66.6400
32	2-Methylphenol	108	3.726	3.728	(1.053)	105488	11.7700	73.6083
34	2,2'-oxybis(1-chloropropane)	45	3.748	3.749	(1.059)	138300	15.7070	98.2299
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	3.860	3.866	(1.091)	236269	25.1623	157.363
36	4-Methylphenol	108	3.860	3.866	(1.091)	236269	25.1623	157.363
139	3 & 4-Methylphenol	108	3.860	3.866	(1.091)	236269	25.1623	157.363
37	N-nitrosodi-n-propylamine	70	3.871	3.872	(1.094)	104696	12.2315	76.4946
38	Acetophenone	105	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	3.983	3.979	(1.125)	55375	10.2453	64.0730
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	4.042	4.043	(0.862)	167012	12.9592	81.0455
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	4.245	4.246	(0.905)	261675	13.0562	81.6525
49	2-Nitrophenol	139	4.335	4.331	(0.925)	61218	12.0962	75.6487
50	2,4-Dimethylphenol	107	4.351	4.347	(0.928)	115745	11.3533	71.0025
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	4.437	4.438	(0.946)	149230	13.0817	81.8116
53	Benzoic acid	122	4.442	4.427	(0.948)	757278	150.244	939.611(R)
54	2,4-Dichlorophenol	162	4.549	4.545	(0.970)	108623	12.6987	79.4165
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	4.629	4.630	(0.987)	112032	9.81450	61.3790
59	Naphthalene	128	4.709	4.705	(1.005)	313196	11.6115	72.6171
60	4-Chloroaniline	127	4.763	4.759	(1.016)	146268	12.5643	78.5757
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	4.811	4.812	(1.026)	86152	11.6444	72.8228
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	5.217	5.218	(1.113)	111291	13.7032	85.6984
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.372	5.368	(1.146)	200847	10.7835	67.4392
72	1-Methylnaphthalene	142	5.468	5.464	(1.166)	200251	11.3983	71.2837
74	Hexachlorocyclopentadiene	237	5.516	5.512	(0.866)	35611	4.01300	25.0969(a)
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	5.644	5.645	(0.886)	93921	12.2657	76.7088
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	5.682	5.683	(0.892)	99144	13.0746	81.7673
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

EPAPAV0012049

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
86	2-Chloronaphthalene	162	5.847	5.843	(0.918)	242197	12.1562	76.0238
88	2-Nitroaniline	65	5.954	5.955	(0.935)	95269	14.5391	90.9264
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	6.109	6.110	(0.959)	294113	12.9847	81.2052
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	6.178	6.180	(0.970)	58601	11.4473	71.5906
94	Acenaphthylene	152	6.242	6.238	(0.980)	343496	11.3540	71.0067
95	3-Nitroaniline	138	6.339	6.340	(0.995)	62457	11.9777	74.9074
97	Acenaphthene	153	6.403	6.399	(1.005)	221551	11.4178	71.4059
98	2,4-Dinitrophenol	184	6.435	6.436	(1.010)	35299	19.1507	119.767(R)
99	4-Nitrophenol	109	6.494	6.495	(1.019)	79373	15.2215	95.1939
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	6.552	6.548	(1.029)	82653	15.4100	96.3725
102	Dibenzofuran	168	6.558	6.559	(1.029)	362971	12.3317	77.1215
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	6.750	6.751	(1.060)	289938	12.3904	77.4885
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	6.862	6.858	(1.077)	149172	11.6243	72.6970
110	Fluorene	166	6.873	6.869	(1.079)	276548	11.3295	70.8534
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	6.900	6.906	(1.083)	63173	12.7411	79.6815
113	4,6-Dinitro-2-methylphenol	198	6.916	6.917	(0.898)	58507	12.5363	78.4006
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	6.974	6.970	(0.906)	215556	10.6442	66.5678
116	Azobenzene	77	7.006	7.002	(1.100)	458659	15.3700	96.1228
234	1,2-DPH(as Azobenzene)	77	7.006	7.002	(1.100)	458659	15.5387	97.1778
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	7.300	7.296	(0.948)	101312	13.3833	83.6977
125	Hexachlorobenzene	284	7.359	7.355	(0.956)	107111	12.5002	78.1751
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	7.722	7.718	(1.003)	424774	12.7048	79.4544
137	Anthracene	178	7.765	7.766	(1.008)	414294	12.0351	75.2666
140	Carbazole	167	7.909	7.905	(1.027)	394989	12.7750	79.8936
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	8.166	8.162	(1.060)	468650	12.9528	81.0058
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0012050

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	8.743	8.738	(1.135)	495835	12.9620	81.0631
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	8.946	8.936	(0.895)	515878	12.9561	81.0260
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.453	9.444	(0.946)	211633	12.7170	79.5309
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	9.923	9.914	(0.993)	317265	14.8759	93.0324
164	3 3'-Dichlorobenzidine	252	9.955	9.946	(0.996)	143371	9.56701	59.8312(a)
165	Benzo(a)anthracene	228	9.982	9.973	(0.999)	539909	13.2353	82.7726
167	Chrysene	228	10.014	10.005	(1.002)	460868	12.7952	80.0199
168	Di-n-octyl phthalate	149	10.484	10.469	(1.049)	467305	13.8170	86.4105
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	10.917	10.902	(0.971)	486880	11.6737	73.0064
172	Benzo(k)fluoranthene	252	10.938	10.923	(0.972)	489635	10.9969	68.7734(H)
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.200	11.180	(0.996)	392615	10.2772	64.2726
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	12.113	12.093	(1.077)	360195	13.6105	85.1190
186	Indeno(1,2,3-cd)pyrene	276	12.113	12.093	(1.212)	494651	11.4564	71.6473
188	Benzo(g,h,i)perylene	276	12.370	12.344	(1.100)	427694	12.0869	75.5901
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

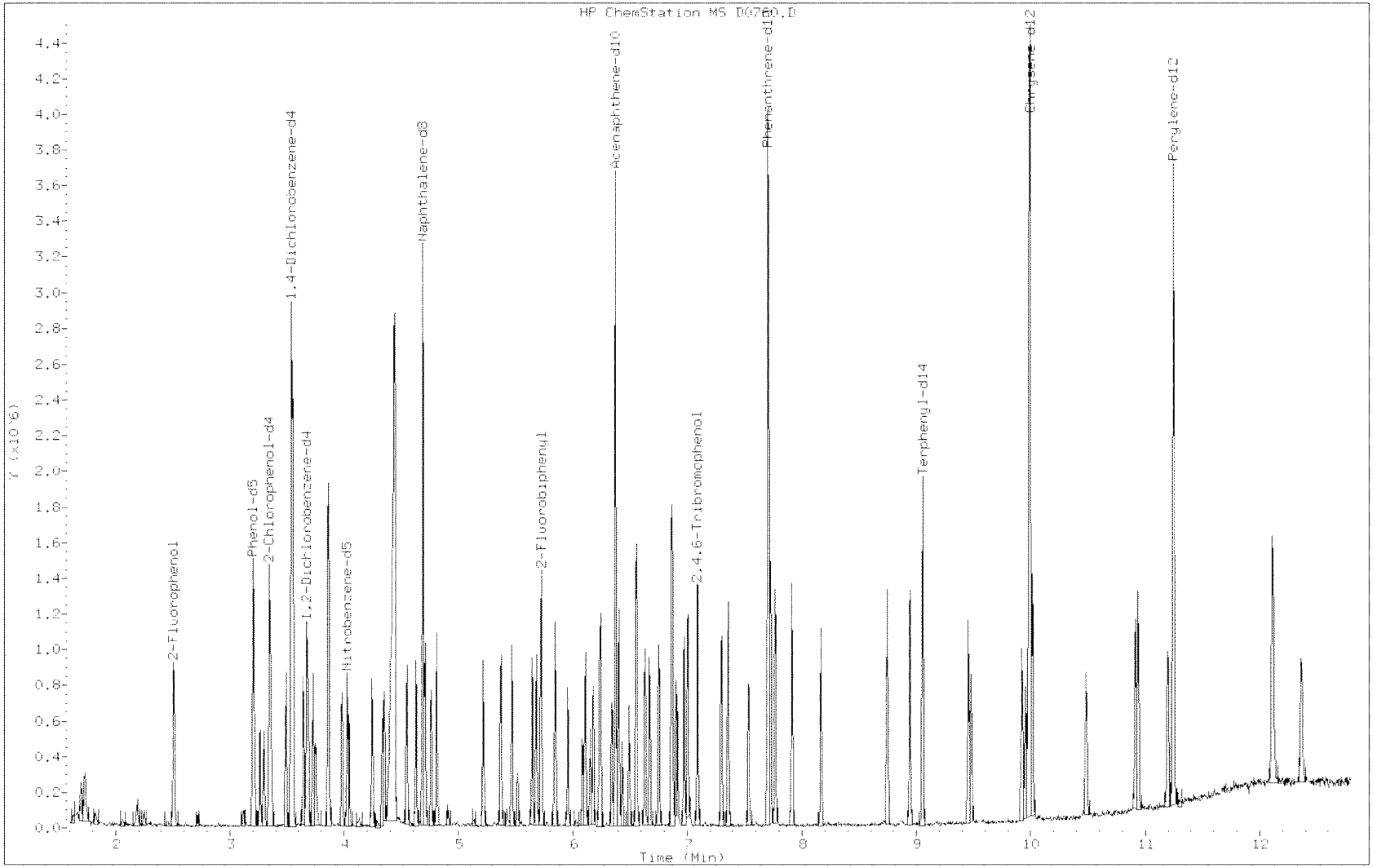
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0760.D

Date: 09-MAY-2012 15:45

Client ID: 431525108371901 Instrument: D.i

Sample Info: 280-28131-b-4-ams,6, Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-S-4-A MSD

Matrix: Water | Lab File ID: D0725.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/26/2012 16:07

Sample wt/vol: 954(mL) | Date Analyzed: 05/08/2012 14:02

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 119099 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-53-3	Aniline	55.1		10	2.1
100-51-6	Benzyl alcohol	78.5		10	0.24
111-91-1	Bis(2-chloroethoxy)methane	74.0		10	1.0
111-44-4	Bis(2-chloroethyl)ether	67.2		10	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	81.0		10	0.59
85-68-7	Butyl benzyl phthalate	80.0		4.2	1.0
132-64-9	Dibenzofuran	74.8		4.2	0.30
84-66-2	Diethyl phthalate	75.8		4.2	0.40
131-11-3	Dimethyl phthalate	73.5		4.2	0.22
84-74-2	Di-n-butyl phthalate	81.0		4.2	1.2
117-84-0	Di-n-octyl phthalate	83.6		4.2	0.37
122-39-4	Diphenylamine	ND		10	1.1
118-74-1	Hexachlorobenzene	75.3		10	0.69
77-47-4	Hexachlorocyclopentadiene	18.6	J	52	10
67-72-1	Hexachloroethane	63.0		10	2.2
78-59-1	Isophorone	76.2		10	0.22
98-95-3	Nitrobenzene	72.3		10	0.85
62-75-9	N-Nitrosodimethylamine	72.6		10	0.30
621-64-7	N-Nitrosodi-n-propylamine	74.6		10	0.37
87-86-5	Pentachlorophenol	79.5		52	21
108-95-2	Phenol	87.8		10	2.1
110-86-1	Pyridine	67.6		21	1.8
99-65-0	1,3-Dinitrobenzene	ND		10	2.1
58-90-2	2,3,4,6-Tetrachlorophenol	ND		52	2.1
95-95-4	2,4,5-Trichlorophenol	81.4		10	0.47
88-06-2	2,4,6-Trichlorophenol	74.9		10	0.30
120-83-2	2,4-Dichlorophenol	79.3		10	0.67
105-67-9	2,4-Dimethylphenol	64.1		10	0.61
51-28-5	2,4-Dinitrophenol	80.3		31	10
121-14-2	2,4-Dinitrotoluene	76.2		10	1.7
606-20-2	2,6-Dinitrotoluene	73.7		10	2.0
100-25-4	1,4-Dinitrobenzene	ND		10	2.1
91-58-7	2-Chloronaphthalene	70.0		4.2	0.27
95-57-8	2-Chlorophenol	69.7		10	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	280-28131-S-4-A MSD
Matrix:	Water	Lab File ID:	D0725.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	954(mL)	Date Analyzed:	05/08/2012 14:02
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119099	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methyl phenol	157		10	0.26
91-94-1	3,3'-Dichlorobenzidine	44.0	J	52	2.1
99-09-2	3-Nitroaniline	71.9		10	2.1
534-52-1	4,6-Dinitro-2-methyl phenol	82.3		52	4.2
95-48-7	2-Methyl phenol	72.2		10	1.0
88-74-4	2-Nitroaniline	87.5		10	1.8
88-75-5	2-Nitrophenol	75.0		10	0.41
101-55-3	4-Bromophenyl phenyl ether	77.9		10	0.45
59-50-7	4-Chloro-3-methyl phenol	77.1		10	2.5
106-47-8	4-Chloroaniline	65.9		10	2.2
7005-72-3	4-Chlorophenyl phenyl ether	75.7		10	1.7
100-01-6	4-Nitroaniline	79.5		10	2.1
100-02-7	4-Nitrophenol	97.3		10	1.3
103-33-3	Azobenzene	85.8		4.2	0.24
86-74-8	Carbazole	74.6		4.2	0.45
108-60-1	bis (2-chloroisopropyl) ether	81.7		10	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	86		51-120
4165-62-2	Phenol-d5	92		51-120
4165-60-0	Nitrobenzene-d5	90		48-120
321-60-8	2-Fluorobiphenyl	85		38-120
1718-51-0	Terphenyl-d14	95		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050812.b\D0725.D
Lab Smp Id: 280-28131-S-4-A MSD Client Smp ID: 431525108371901
Inj Date : 08-MAY-2012 14:02
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28131-S-4-AMSD
Misc Info : 280-28131-S-4-A MSD
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050812.b\8270C.m
Meth Date : 09-May-2012 10:48 hoffmanm Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	954.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26	1,4-Dichlorobenzene-d4	152	3.540	3.541	(1.000)	337778	40.0000	
* 58	Naphthalene-d8	136	4.689	4.689	(1.000)	1239380	40.0000	
* 96	Acenaphthene-d10	164	6.371	6.372	(1.000)	844497	40.0000	
* 135	Phenanthrene-d10	188	7.696	7.702	(1.000)	1508987	40.0000	
* 166	Chrysene-d12	240	9.967	9.973	(1.000)	1946008	40.0000	
* 179	Perylene-d12	264	11.185	11.201	(1.000)	1674565	40.0000	
$ 8	2-Fluorophenol	112	2.520	2.521	(0.712)	1496702	129.626	135.876
$ 15	Phenol-d5	99	3.209	3.210	(0.906)	2048602	138.459	145.136
$ 43	Nitrobenzene-d5	82	4.026	4.027	(0.859)	1452162	90.0213	94.3620
$ 81	2-Fluorobiphenyl	172	5.720	5.726	(0.898)	2338640	84.9545	89.0508
$ 118	2,4,6-Tribromophenol	330	7.087	7.094	(1.112)	809880	153.442	160.841
$ 154	Terphenyl-d14	244	9.042	9.044	(0.907)	3427851	95.2923	99.8871
$ 29	1,2-Dichlorobenzene-d4	152	3.674	3.675	(1.038)	672604	75.4950	79.1352
$ 22	2-Chlorophenol-d4	132	3.353	3.354	(0.947)	1596432	125.487	131.538
4	1,4-Dioxane	88	1.558	1.559	(0.440)	315406	60.7610	63.6908
5	N-Nitrosodimethylamine	74	1.713	1.714	(0.484)	574578	69.2255	72.5634
6	Pyridine	79	1.750	1.746	(0.495)	895808	64.5203	67.6313
9	2-Picoline	93	Compound Not Detected.					
10	N-Nitrosomethylethylamine	88	Compound Not Detected.					
11	Methyl methanesulfonate	80	Compound Not Detected.					
12	N-Nitrosodiethylamine	102	Compound Not Detected.					
13	Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
16	Phenol	94	3.219	3.221	(0.909)	1257786	83.7169	87.7536
18	Aniline	93	3.273	3.274	(0.925)	1021036	52.5468	55.0806
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	3.305	3.306	(0.934)	797718	64.1161	67.2077
23	2-Chlorophenol	128	3.364	3.365	(0.950)	841008	66.4587	69.6632
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	3.492	3.498	(0.986)	811399	56.9650	59.7117
27	1,4-Dichlorobenzene	146	3.556	3.557	(1.005)	937724	64.5290	67.6405
28	Benzyl alcohol	108	3.647	3.648	(1.030)	583094	74.8731	78.4833
30	1,2-Dichlorobenzene	146	3.690	3.691	(1.042)	838275	61.0037	63.9452
32	2-Methylphenol	108	3.732	3.733	(1.054)	753433	68.8853	72.2068
34	2,2'-oxybis(1-chloropropane)	45	3.748	3.755	(1.059)	837152	77.9083	81.6649
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	3.866	3.867	(1.092)	1713676	149.549	156.759
36	4-Methylphenol	108	3.866	3.867	(1.092)	1713676	149.549	156.759
139	3 & 4-Methylphenol	108	3.866	3.867	(1.092)	1713676	149.549	156.759
37	N-nitrosodi-n-propylamine	70	3.871	3.872	(1.094)	743289	71.1568	74.5879
38	Acetophenone	105	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	3.983	3.985	(1.125)	396423	60.1005	62.9984
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	4.048	4.049	(0.863)	1107181	68.9436	72.2680
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	4.245	4.252	(0.905)	1815471	72.6927	76.1978
49	2-Nitrophenol	139	4.331	4.337	(0.924)	451109	71.5316	74.9807
50	2,4-Dimethylphenol	107	4.352	4.353	(0.928)	777102	61.1707	64.1202
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	4.437	4.444	(0.946)	1003527	70.5963	74.0003
53	Benzoic acid	122	4.544	4.433	(0.969)	5903549	939.940	985.262(ARH)
54	2,4-Dichlorophenol	162	4.550	4.551	(0.970)	806501	75.6638	79.3121
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	4.630	4.631	(0.987)	771610	54.2462	56.8619
59	Naphthalene	128	4.710	4.711	(1.005)	2074576	61.7229	64.6990
60	4-Chloroaniline	127	4.763	4.764	(1.016)	912419	62.8966	65.9294
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	4.811	4.813	(1.026)	553985	60.0889	62.9862
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	5.212	5.219	(1.112)	744004	73.5161	77.0609
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.367	5.368	(1.145)	1456100	62.7382	65.7633
72	1-Methylnaphthalene	142	5.469	5.470	(1.166)	1432486	65.4335	68.5885
74	Hexachlorocyclopentadiene	237	5.511	5.518	(0.865)	190187	17.7169	18.5711
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	5.645	5.646	(0.886)	661528	71.4168	74.8603
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	5.677	5.683	(0.891)	712340	77.6551	81.3995
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
86	2-Chloronaphthalene	162	5.842	5.849	(0.917)	1608386	66.7330	69.9507
88	2-Nitroaniline	65	5.955	5.956	(0.935)	661713	83.4790	87.5042
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	6.110	6.111	(0.959)	1921647	70.1314	73.5130
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	6.179	6.180	(0.970)	435381	70.3056	73.6956
94	Acenaphthylene	152	6.238	6.244	(0.979)	2430988	66.4247	69.6276
95	3-Nitroaniline	138	6.345	6.346	(0.996)	432392	68.5473	71.8525
97	Acenaphthene	153	6.398	6.405	(1.004)	1588176	67.6594	70.9218
98	2,4-Dinitrophenol	184	6.435	6.437	(1.010)	325303	76.5643	80.2561
99	4-Nitrophenol	109	6.489	6.495	(1.018)	585762	92.8596	97.3371
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	6.553	6.554	(1.029)	630454	72.7074	76.2132
102	Dibenzofuran	168	6.558	6.559	(1.029)	2540557	71.3513	74.7917
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	6.751	6.752	(1.060)	2047642	72.3361	75.8240
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	6.857	6.864	(1.076)	1121174	72.2224	75.7048
110	Fluorene	166	6.868	6.869	(1.078)	2046787	69.3158	72.6580
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	6.906	6.907	(1.084)	454713	75.8111	79.4665
113	4,6-Dinitro-2-methylphenol	198	6.916	6.917	(0.899)	455328	78.4957	82.2806
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	6.970	6.976	(0.906)	1515243	60.2000	63.1027
116	Azobenzene	77	7.002	7.003	(1.099)	2955136	81.8622	85.8094
234	1,2-DPH(as Azobenzene)	77	7.002	7.003	(1.099)	2955136	82.7606	86.7512
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	7.296	7.297	(0.948)	699384	74.3325	77.9167
125	Hexachlorobenzene	284	7.354	7.355	(0.956)	765108	71.8402	75.3042
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	7.531	7.532	(0.978)	554354	75.8125	79.4680
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	7.718	7.719	(1.003)	3020706	72.6906	76.1956
137	Anthracene	178	7.760	7.767	(1.008)	2990960	69.9060	73.2768
140	Carbazole	167	7.905	7.911	(1.027)	2735055	71.1710	74.6027
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	8.161	8.162	(1.060)	3475800	77.2916	81.0185
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0012057

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	8.738	8.744	(1.135)	3587490	75.4549	79.0932
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	8.936	8.942	(0.897)	3707600	71.2490	74.6845
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.438	9.439	(0.947)	1660171	76.3333	80.0139
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	9.897	9.893	(0.993)	2153207	77.2514	80.9763
164	3 3'-Dichlorobenzidine	252	9.929	9.925	(0.996)	821604	41.9505	43.9733
165	Benzo(a)anthracene	228	9.956	9.952	(0.999)	3866160	72.5194	76.0162
167	Chrysene	228	9.993	9.989	(1.003)	3519687	74.7711	78.3764
168	Di-n-octyl phthalate	149	10.442	10.432	(1.048)	3524674	79.7432	83.5882
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	10.869	10.849	(0.972)	3619424	69.8805	73.2500
172	Benzo(k)fluoranthene	252	10.891	10.871	(0.974)	3886220	70.2834	73.6724(H)
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.142	11.122	(0.996)	2862732	60.3416	63.2512
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	12.039	12.008	(1.076)	2851351	57.2395	59.9995
186	Indeno(1,2,3-cd)pyrene	276	12.039	12.014	(1.208)	3808274	67.4897	70.7440
188	Benzo(g,h,i)perylene	276	12.290	12.260	(1.099)	3077239	70.0278	73.4044
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

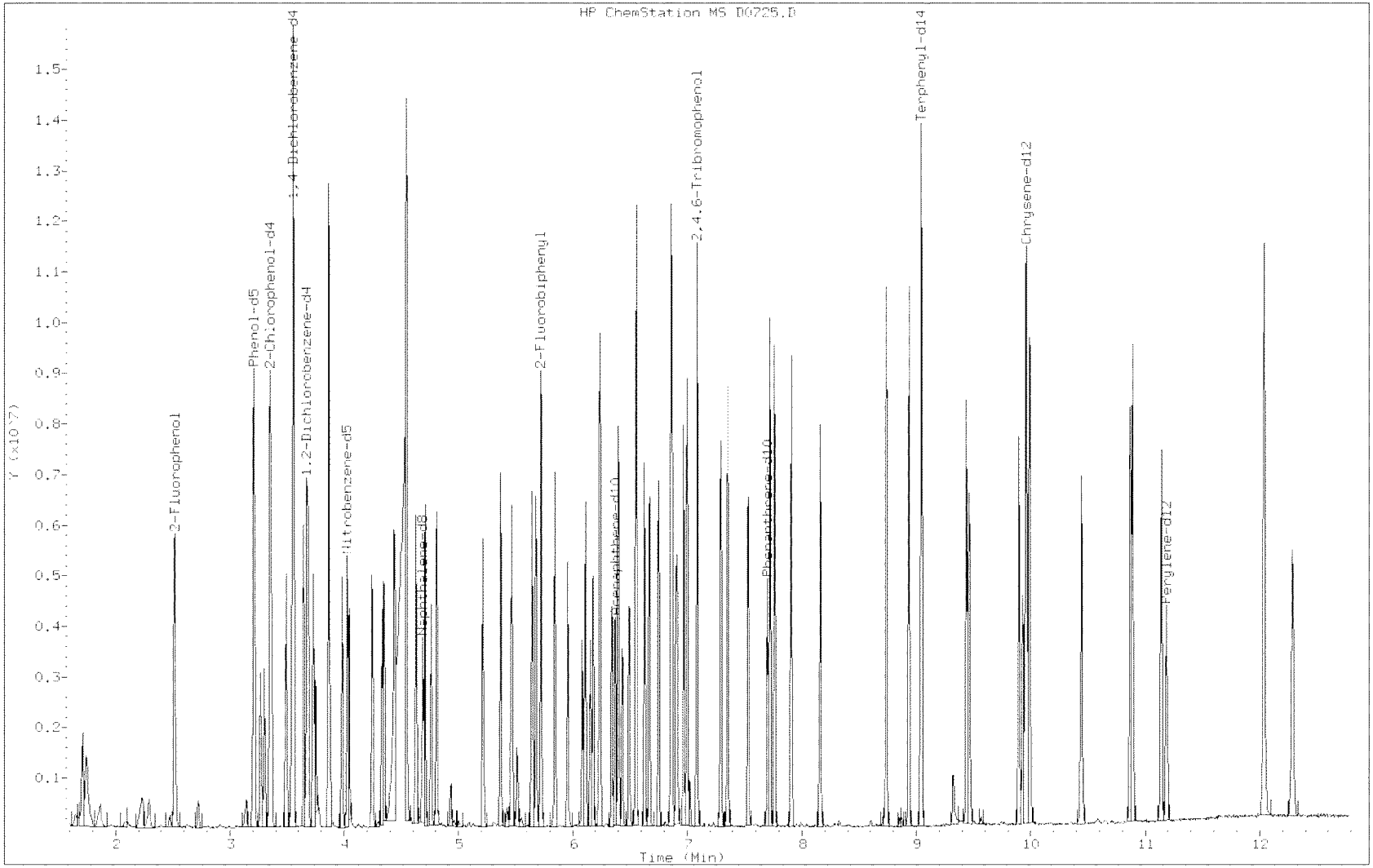
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0725.D

Date: 08-MAY-2012 14:02

Client ID: 431525108371901 Instrument: D.i

Sample Info: 280-28131-S-4-AMSD Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	280-28131-S-4-A MSD DL
Matrix:	Water	Lab File ID:	D0761.D
Analysis Method:	8270C	Date Collected:	
Extract. Method:	3520C	Date Extracted:	04/26/2012 16:07
Sample wt/vol:	954(mL)	Date Analyzed:	05/09/2012 16:03
Con. Extract Vol.:	1000(uL)	Dilution Factor:	6
Injection Volume:	0.5(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119208	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	811		160	63

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	78		51-120
4165-62-2	Phenol-d5	80		51-120
4165-60-0	Nitrobenzene-d5	84		48-120
321-60-8	2-Fluorobiphenyl	75		38-120
1718-51-0	Terphenyl-d14	91		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\050912.b\D0761.D
Lab Smp Id: 280-28131-S-4-A MSD Client Smp ID: 431525108371901
Inj Date : 09-MAY-2012 16:03
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-28131-s-4-amsd,6,
Misc Info : 280-28131-S-4-A MSD
Comment : 8270/625
Method : \\DenSvr03\Public\chem\MSS\D.i\050912.b\8270C.m
Meth Date : 10-May-2012 07:39 D.i Quant Type: ISTD
Cal Date : 07-MAY-2012 09:35 Cal File: D0667.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 6.00000
Integrator: HP RTE Compound Sublist: HA.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	6.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	954.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	3.537	3.540	(1.000)	319095	40.0000	
* 58 Naphthalene-d8	136	4.686	4.689	(1.000)	1158483	40.0000	
* 96 Acenaphthene-d10	164	6.374	6.366	(1.000)	800180	40.0000	
* 135 Phenanthrene-d10	188	7.704	7.702	(1.000)	1402402	40.0000	
* 166 Chrysene-d12	240	9.991	9.988	(1.000)	1659959	40.0000	
* 179 Perylene-d12	264	11.246	11.244	(1.000)	1548590	40.0000	
$ 8 2-Fluorophenol	112	2.512	2.510	(0.710)	212562	19.4874	122.562
$ 15 Phenol-d5	99	3.201	3.204	(0.905)	280490	20.0675	126.211
$ 43 Nitrobenzene-d5	82	4.023	4.027	(0.859)	211314	14.0144	88.1407
$ 81 2-Fluorobiphenyl	172	5.722	5.720	(0.898)	326252	12.5080	78.6664
$ 118 2,4,6-Tribromophenol	330	7.090	7.088	(1.112)	95441	25.2107	158.558
$ 154 Terphenyl-d14	244	9.056	9.048	(0.906)	464140	15.1263	95.1339
$ 29 1,2-Dichlorobenzene-d4	152	3.676	3.674	(1.039)	100256	11.9119	74.9175
$ 22 2-Chlorophenol-d4	132	3.345	3.348	(0.946)	224157	18.6514	117.304
4 1,4-Dioxane	88	1.550	1.543	(0.438)	57574	11.7407	73.8407
5 N-Nitrosodimethylamine	74	1.700	1.703	(0.481)	75162	9.58576	60.2878(a)
6 Pyridine	79	1.732	1.730	(0.490)	125105	9.53822	59.9888(a)
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
16	Phenol	94	3.211	3.215	(0.908)	174776	12.3140	77.4466
18	Aniline	93	3.265	3.268	(0.923)	133961	7.29786	45.8985(a)
19	Methyl Styrene	118	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	3.297	3.300	(0.932)	116399	9.90327	62.2847(a)
23	2-Chlorophenol	128	3.361	3.359	(0.950)	112595	9.41850	59.2359(a)
24	Pentachloroethane	117	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	3.495	3.493	(0.988)	107191	7.96605	50.1009
27	1,4-Dichlorobenzene	146	3.553	3.551	(1.005)	129092	9.40353	59.1417
28	Benzyl alcohol	108	3.644	3.642	(1.030)	83701	11.3770	71.5537
30	1,2-Dichlorobenzene	146	3.687	3.685	(1.042)	125584	9.67420	60.8440
32	2-Methylphenol	108	3.724	3.728	(1.053)	104891	10.1515	63.8461
34	2,2'-oxybis(1-chloropropane)	45	3.751	3.749	(1.060)	119618	11.7839	74.1123
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	3.863	3.866	(1.092)	236191	21.8187	137.224
36	4-Methylphenol	108	3.863	3.866	(1.092)	236191	21.8187	137.224
139	3 & 4-Methylphenol	108	3.863	3.866	(1.092)	236191	21.8187	137.224
37	N-nitrosodi-n-propylamine	70	3.869	3.872	(1.094)	102448	10.3818	65.2945
38	Acetophenone	105	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
41	Hexachloroethane	117	3.981	3.979	(1.125)	58796	9.43579	59.3446
42	o-Toluidine	106	Compound Not Detected.					
44	Nitrobenzene	77	4.045	4.043	(0.863)	159638	10.6347	66.8851
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	4.242	4.246	(0.905)	256020	10.9671	68.9752
49	2-Nitrophenol	139	4.333	4.331	(0.925)	57271	9.71552	61.1039(a)
50	2,4-Dimethylphenol	107	4.349	4.347	(0.928)	113774	9.58127	60.2596(a)
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	4.440	4.438	(0.948)	150577	11.3325	71.2737
53	Benzoic acid	122	4.440	4.427	(0.948)	757397	129.011	811.388(R)
54	2,4-Dichlorophenol	162	4.547	4.545	(0.970)	101001	10.1373	63.7568
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	4.632	4.630	(0.989)	113929	8.56882	53.8919
59	Naphthalene	128	4.707	4.705	(1.005)	317167	10.0953	63.4925
60	4-Chloroaniline	127	4.761	4.759	(1.016)	135160	9.96772	62.6901(a)
61	2,6-Dichlorophenol	162	Compound Not Detected.					
62	Hexachlorobutadiene	225	4.809	4.812	(1.026)	74376	8.63066	54.2808(a)
63	Hexachloropropene	213	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	5.215	5.218	(1.113)	105180	11.1187	69.9291
70	Safrole	162	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.370	5.368	(1.146)	207236	9.55259	60.0792
72	1-Methylnaphthalene	142	5.466	5.464	(1.166)	201133	9.82896	61.8174
74	Hexachlorocyclopentadiene	237	5.519	5.512	(0.866)	23892	2.34892	14.7731(a)
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	5.642	5.645	(0.885)	96207	10.9615	68.9401
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	5.680	5.683	(0.891)	98858	11.3738	71.5332
84	Isosafrole (#2)	104	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					

EPAPAV0012062

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
86	2-Chloronaphthalene	162	5.845	5.843	(0.917)	228363	9.99969	62.8911
88	2-Nitroaniline	65	5.957	5.955	(0.935)	92891	12.3678	77.7847
89	1,4-Naphthoquinone	158	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	6.107	6.110	(0.958)	275910	10.6272	66.8374
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	6.176	6.180	(0.969)	60888	10.3768	65.2628
94	Acenaphthylene	152	6.240	6.238	(0.979)	346773	10.0001	62.8934
95	3-Nitroaniline	138	6.342	6.340	(0.995)	61319	10.2593	64.5240(Q)
97	Acenaphthene	153	6.401	6.399	(1.004)	226195	10.1700	63.9626
98	2,4-Dinitrophenol	184	6.433	6.436	(1.009)	33365	17.6293	110.876(R)
99	4-Nitrophenol	109	6.492	6.495	(1.018)	86282	14.4356	90.7902
100	Pentachlorobenzene	250	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	6.550	6.548	(1.028)	80495	13.6823	86.0522
102	Dibenzofuran	168	6.561	6.559	(1.029)	347626	10.3038	64.8035
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
107	Diethyl phthalate	149	6.753	6.751	(1.060)	284883	10.6213	66.8007
108	Thionazin	97	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	6.865	6.858	(1.077)	148780	10.1147	63.6146
110	Fluorene	166	6.871	6.869	(1.078)	258484	9.23854	58.1040
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
112	4-Nitroaniline	138	6.903	6.906	(1.083)	59606	10.4881	65.9627
113	4,6-Dinitro-2-methylphenol	198	6.914	6.917	(0.897)	55212	10.2416	64.4126
114	Diphenylamine	169	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	6.972	6.970	(0.905)	205468	8.78358	55.2426(a)
116	Azobenzene	77	7.004	7.002	(1.099)	419897	12.2761	77.2080
234	1,2-DPH(as Azobenzene)	77	7.004	7.002	(1.099)	419897	12.4108	78.0553
117	Sulfotepp	97	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	7.298	7.296	(0.947)	98844	11.3038	71.0934
125	Hexachlorobenzene	284	7.357	7.355	(0.955)	101435	10.2482	64.4538
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
136	Phenanthrene	178	7.726	7.718	(1.003)	415835	10.7672	67.7184
137	Anthracene	178	7.768	7.766	(1.008)	404208	10.1653	63.9330
140	Carbazole	167	7.913	7.905	(1.027)	365566	10.2357	64.3752
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	8.169	8.162	(1.060)	466848	11.1703	70.2537
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

EPAPAV0012063

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	8.746	8.738	(1.135)	478458	10.8281	68.1014
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	8.944	8.936	(0.895)	491816	11.0799	69.6849
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.456	9.444	(0.947)	206062	11.1072	69.8569
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	9.921	9.914	(0.993)	260957	10.9758	69.0303
164	3 3'-Dichlorobenzidine	252	9.953	9.946	(0.996)	125756	7.52750	47.3428(a)
165	Benzo(a)anthracene	228	9.980	9.973	(0.999)	529449	11.6425	73.2232
167	Chrysene	228	10.017	10.005	(1.003)	478480	11.9163	74.9452
168	Di-n-octyl phthalate	149	10.482	10.469	(1.049)	459559	12.1889	76.6595
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	10.915	10.902	(0.971)	462164	9.64891	60.6850
172	Benzo(k)fluoranthene	252	10.936	10.923	(0.972)	492960	9.64057	60.6325(H)
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.198	11.180	(0.996)	379961	8.66046	54.4683
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	12.111	12.093	(1.077)	324933	11.7961	74.1893
186	Indeno(1,2,3-cd)pyrene	276	12.111	12.093	(1.212)	486773	10.1131	63.6043
188	Benzo(g,h,i)perylene	276	12.363	12.344	(1.099)	406773	10.0098	62.9549
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

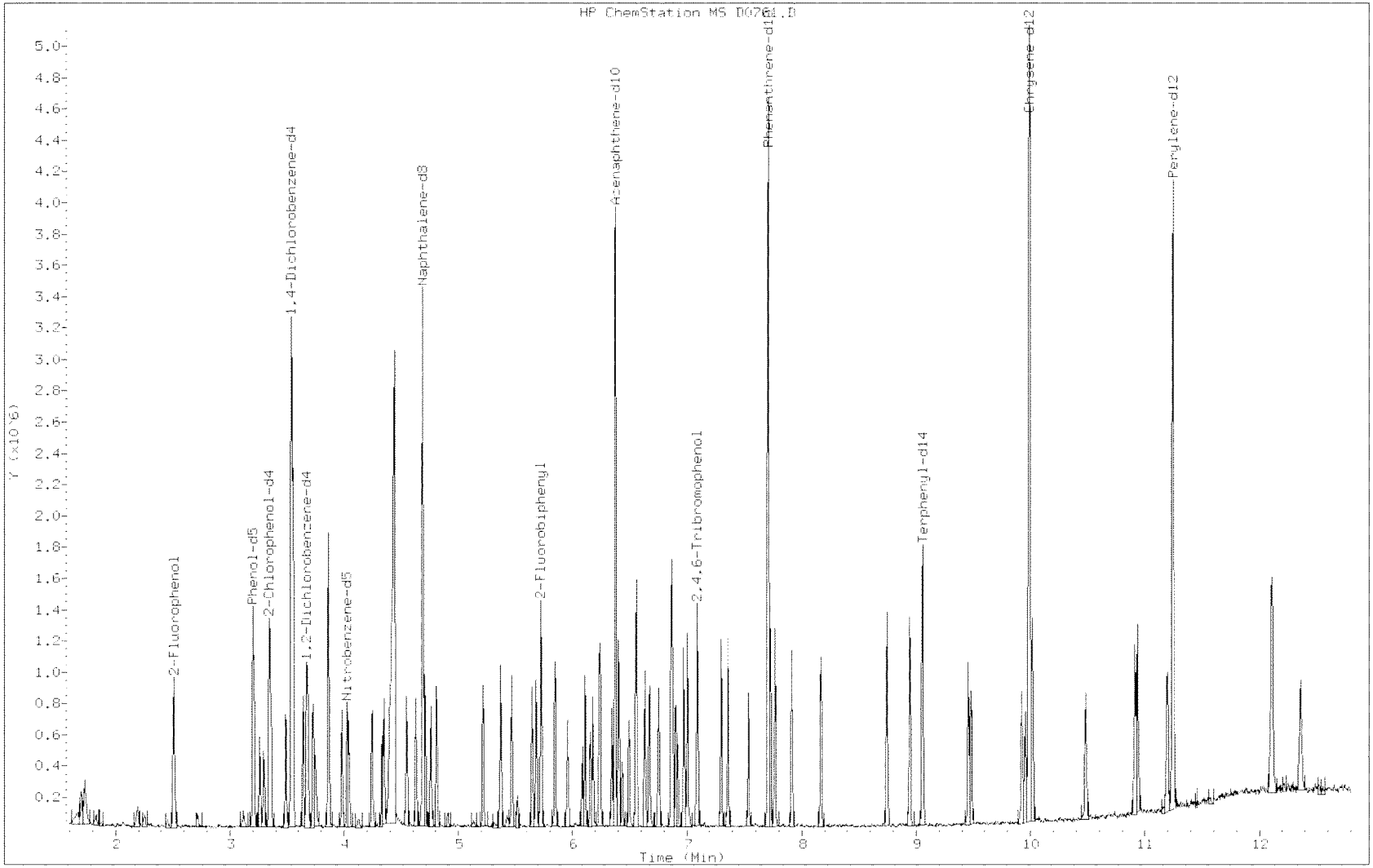
EPAPAV0012064

Data File: D0761.D

Date: 09-MAY-2012 16:03

Client ID: 431525108371901 Instrument: D.i

Sample Info: 280-28131-s-4-amsd,6, Operator: hoffmanm



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Start Date: 05/02/2012 07:08

Analysis Batch Number: 117938 End Date: 05/02/2012 09:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-117938/1		05/02/2012 07:08	1	D0509.D	Vf-5MS (30.25) 0.25(mm)
IC 280-117938/2		05/02/2012 07:20	1	D0510.D	Vf-5MS (30.25) 0.25(mm)
IC 280-117938/3		05/02/2012 07:39	1	D0511.D	Vf-5MS (30.25) 0.25(mm)
IC 280-117938/4		05/02/2012 07:57	1	D0512.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-117938/5		05/02/2012 08:14	1	D0513.D	Vf-5MS (30.25) 0.25(mm)
IC 280-117938/6		05/02/2012 08:32	1	D0514.D	Vf-5MS (30.25) 0.25(mm)
IC 280-117938/7		05/02/2012 08:50	1	D0515.D	Vf-5MS (30.25) 0.25(mm)
IC 280-117938/8		05/02/2012 09:07	1	D0516.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-117938/9		05/02/2012 09:25	1	D0517.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-117938/10		05/02/2012 09:44	1	D0518.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Start Date: 05/02/2012 07:08

Analysis Batch Number: 118050 End Date: 05/02/2012 13:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-118050/1		05/02/2012 07:08	1	D0509.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/2		05/02/2012 10:04	1	D0519.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/3		05/02/2012 10:23	1	D0520.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/4		05/02/2012 10:43	1	D0521.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-118050/5		05/02/2012 11:01	1	D0522.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/6		05/02/2012 11:20	1	D0523.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/7		05/02/2012 11:38	1	D0524.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/8		05/02/2012 11:57	1	D0525.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118050/9		05/02/2012 12:15	1	D0526.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-118050/10		05/02/2012 12:34	1	D0527.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-118050/11		05/02/2012 12:52	1	D0528.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-118050/12		05/02/2012 13:11	1	D0529.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Start Date: 05/08/2012 09:20

Analysis Batch Number: 119099 End Date: 05/08/2012 20:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/08/2012 09:20	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 09:33	1		Vf-5MS (30.25) 0.25(mm)
DFTPP 280-119099/3		05/08/2012 10:11	1	D0712.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-119099/4		05/08/2012 10:24	1	D0713.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-119099/5		05/08/2012 10:42	1	D0714.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 11:01	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 11:19	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 11:37	1		Vf-5MS (30.25) 0.25(mm)
MB 280-117171/1-A		05/08/2012 11:55	1	D0718.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-117171/2-A		05/08/2012 12:13	1	D0719.D	Vf-5MS (30.25) 0.25(mm)
LCSD 280-117171/3-A		05/08/2012 12:31	1	D0720.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-117171/2-A DL		05/08/2012 12:49	4	D0721.D	Vf-5MS (30.25) 0.25(mm)
LCSD 280-117171/3-A DL		05/08/2012 13:08	4	D0722.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 13:26	1		Vf-5MS (30.25) 0.25(mm)
280-28131-B-4-A MS		05/08/2012 13:44	1	D0724.D	Vf-5MS (30.25) 0.25(mm)
280-28131-S-4-A MSD		05/08/2012 14:02	1	D0725.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 14:56	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 15:14	4		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 15:33	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 15:51	4		Vf-5MS (30.25) 0.25(mm)
280-28076-1	MW02	05/08/2012 16:09	1	D0732.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 16:27	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 16:45	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 17:03	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 17:21	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 17:40	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 17:58	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 18:16	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 18:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 18:52	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 19:10	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 19:28	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 19:46	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 20:05	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 20:23	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 20:41	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/08/2012 20:59	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_D Start Date: 05/09/2012 13:49

Analysis Batch Number: 119208 End Date: 05/09/2012 17:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-119208/1		05/09/2012 13:49	1	D0754.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-119208/2		05/09/2012 14:01	1	D0755.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-119208/3		05/09/2012 14:20	1	D0756.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/09/2012 15:09	5		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/09/2012 15:27	6		Vf-5MS (30.25) 0.25(mm)
280-28131-B-4-A MS DL		05/09/2012 15:45	6	D0760.D	Vf-5MS (30.25) 0.25(mm)
280-28131-S-4-A MSD DL		05/09/2012 16:03	6	D0761.D	Vf-5MS (30.25) 0.25(mm)
280-28076-1 DL	MW02 DL	05/09/2012 16:21	4	D0762.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/09/2012 16:40	4		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/09/2012 16:58	4		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/09/2012 17:16	4		Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist *TestAmerica*

Denver

Instrument ID and Date: Inst. D 5/8/12 0452/1899

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	*
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?	✓			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

*Methyl Methane Sulfonate = +52.2%D (NTC)

1st Level Reviewer: _____ Date: 5/9/12

2nd Level Reviewer: _____ Date: 5/9/12

Injection Log

Directory: C:\HPCHEM\1\DATA\050812.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D0707.D	1.	RINSE		8 May 2012 09:10
2	1	D0708.D	1.	DFTPP_00031,,1349453	Low IS. Raise EM and start over.	8 May 2012 09:20
3	2	D0709.D	1.	CCV-1394532,,HSL080		8 May 2012 09:33
4	3	D0710.D	1.	CCV-1397576,,AP9080		8 May 2012 09:52
5		D0711.D	1.			
6	1	D0712.D	1.	DFTPP_00031,,1349453	OK	8 May 2012 10:11
7	2	D0713.D	1.	CCV-1394532,,HSL080		8 May 2012 10:24
8	3	D0714.D	1.	CCV-1397576,,AP9080		8 May 2012 10:42
9	4	D0715.D	1.	mb280-118285_1-a	use RL from 119026	8 May 2012 11:01 118285
10	5	D0716.D	1.	lcs280-118285_2-a		8 May 2012 11:19 118285
11	6	D0717.D	1.	lcsd280-118285_3-a		8 May 2012 11:37 118285
12	7	D0718.D	1.	mb280-117171_1-a		8 May 2012 11:55 117171
13	8	D0719.D	1.	lcs280-117171_2-a		8 May 2012 12:13 117171
14	9	D0720.D	1.	lcsd280-117171_3-a		8 May 2012 12:31 117171
15	10	D0721.D	1.	lcs280-117171_2-a,4,		8 May 2012 12:49 117171
16	11	D0722.D	1.	lcsd280-117171_3-a,4,		8 May 2012 13:08 117171
17	12	D0723.D	1.	280-28131-D-4-A +5xDL		8 May 2012 13:26 117171
18	13	D0724.D	1.	280-28131-B-4-AMS	OK Evalue DL6X	8 May 2012 13:44 117171
19	14	D0725.D	1.	280-28131-S-4-AMSD		8 May 2012 14:02 117171
20	15	D0726.D	1.	280-28131-B-4-AMS	DNR.	8 May 2012 14:20 117171
21	16	D0727.D	1.	280-28131-S-4-AMSD		8 May 2012 14:38 117171
22	17	D0728.D	1.	280-27933-A-2-A		8 May 2012 14:56 117171
23	18	D0729.D	1.	280-27933-A-2-A,4,-not needed-DNR		8 May 2012 15:14 117171
24	19	D0730.D	1.	280-27933-A-3-A		8 May 2012 15:33 117171
25	20	D0731.D	1.	280-27933-A-3-A,4,-not needed-DNR		8 May 2012 15:51 117171
26	21	D0732.D	1.	280-28076-D-1-A +4xDL		8 May 2012 16:09 117171
27	22	D0733.D	1.	280-28131-C-1-A +4xDL		8 May 2012 16:27 117171
28	23	D0734.D	1.	280-28131-A-2-A +4xDL		8 May 2012 16:45 117171
29	24	D0735.D	1.	280-28131-G-3-A +4xDL		8 May 2012 17:03 117171
30	25	D0736.D	1.	280-28131-E-5-A		8 May 2012 17:21 117171
31	26	D0737.D	1.	280-28131-E-6-A		8 May 2012 17:40 117171
32	27	D0738.D	1.	280-28192-C-4-A		8 May 2012 17:58 117378
33	28	D0739.D	1.	280-28192-B-8-A		8 May 2012 18:16 117378
34	29	D0740.D	1.	280-28192-C-10-A		8 May 2012 18:34 117378
35	30	D0741.D	1.	280-28192-C-12-A		8 May 2012 18:52 117378
36	31	D0742.D	1.	280-28445-A-2-A		8 May 2012 19:10 118285
37	32	D0743.D	1.	280-28445-B-3-A		8 May 2012 19:28 118285
38	33	D0744.D	1.	280-28445-A-4-A -surrNCM		8 May 2012 19:46 118285
39	34	D0745.D	1.	280-28445-B-5-A +5xDL -surrNCM		8 May 2012 20:05 118285
40	35	D0746.D	1.	280-28445-A-6-A -surrNCM		8 May 2012 20:23 118285
41	36	D0747.D	1.	280-28445-A-7-A		8 May 2012 20:41 118285
42	37	D0748.D	1.	280-28445-A-8-A -surrNCM		8 May 2012 20:59 118285
43	98	D0749.D	1.	rinse		8 May 2012 21:17
44	99	D0750.D	1.	rinse		8 May 2012 21:35
45	100	D0751.D	1.	rinse		8 May 2012 21:53
46	100	D0752.D	1.	rinse		8 May 2012 22:11

MM 5/10/12

Diluent Solvent Lot # K51502

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

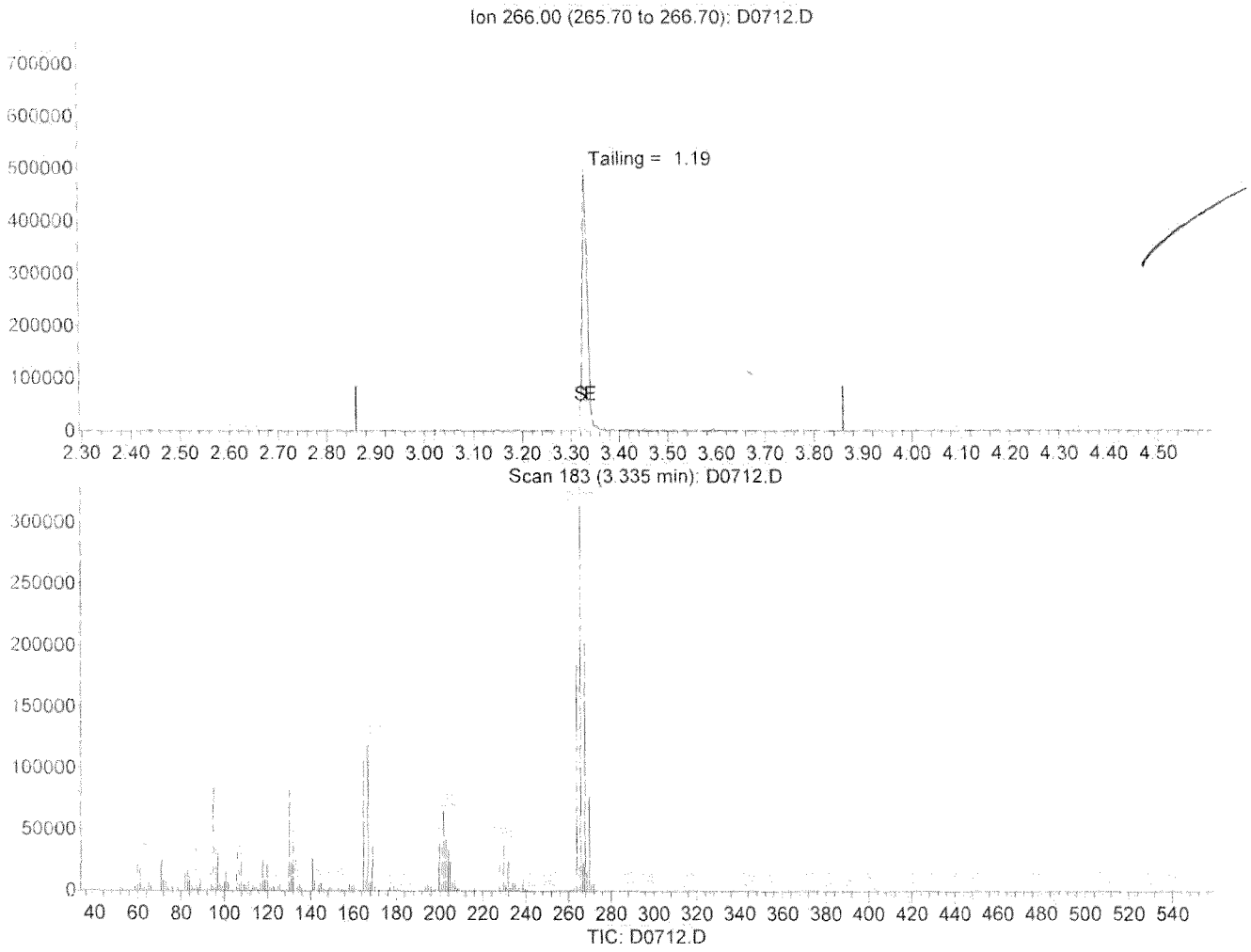
Daily Maintenance Performed: Cut 30 cm off col. / Replaced liner, gold seal, septum.

MM 5/9/12

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050812.B\D0712.D Vial: 1
Acq On : 8 May 2012 10:11 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 8 14:12 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu May 03 08:03:22 2012
Response via : Single Level Calibration



(1) Pentachlorophenol (Tailing<5)

3.33min 0.00

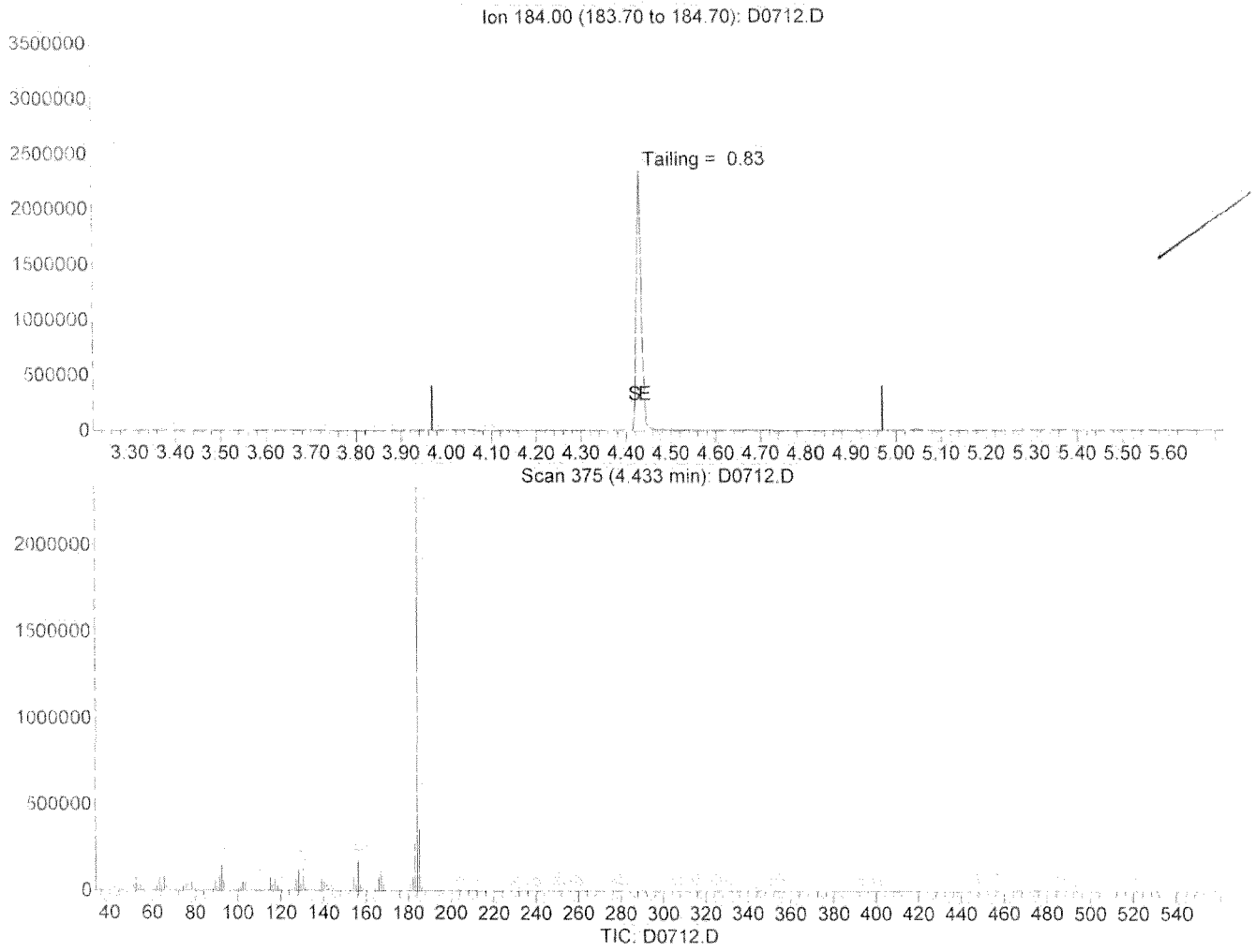
response 3561364

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050812.B\D0712.D Vial: 1
Acq On : 8 May 2012 10:11 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 8 14:12 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu May 03 08:03:22 2012
Response via : Single Level Calibration



(2) Benzidine (Tailing<3)

4.43min 0.00

response 17204109

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

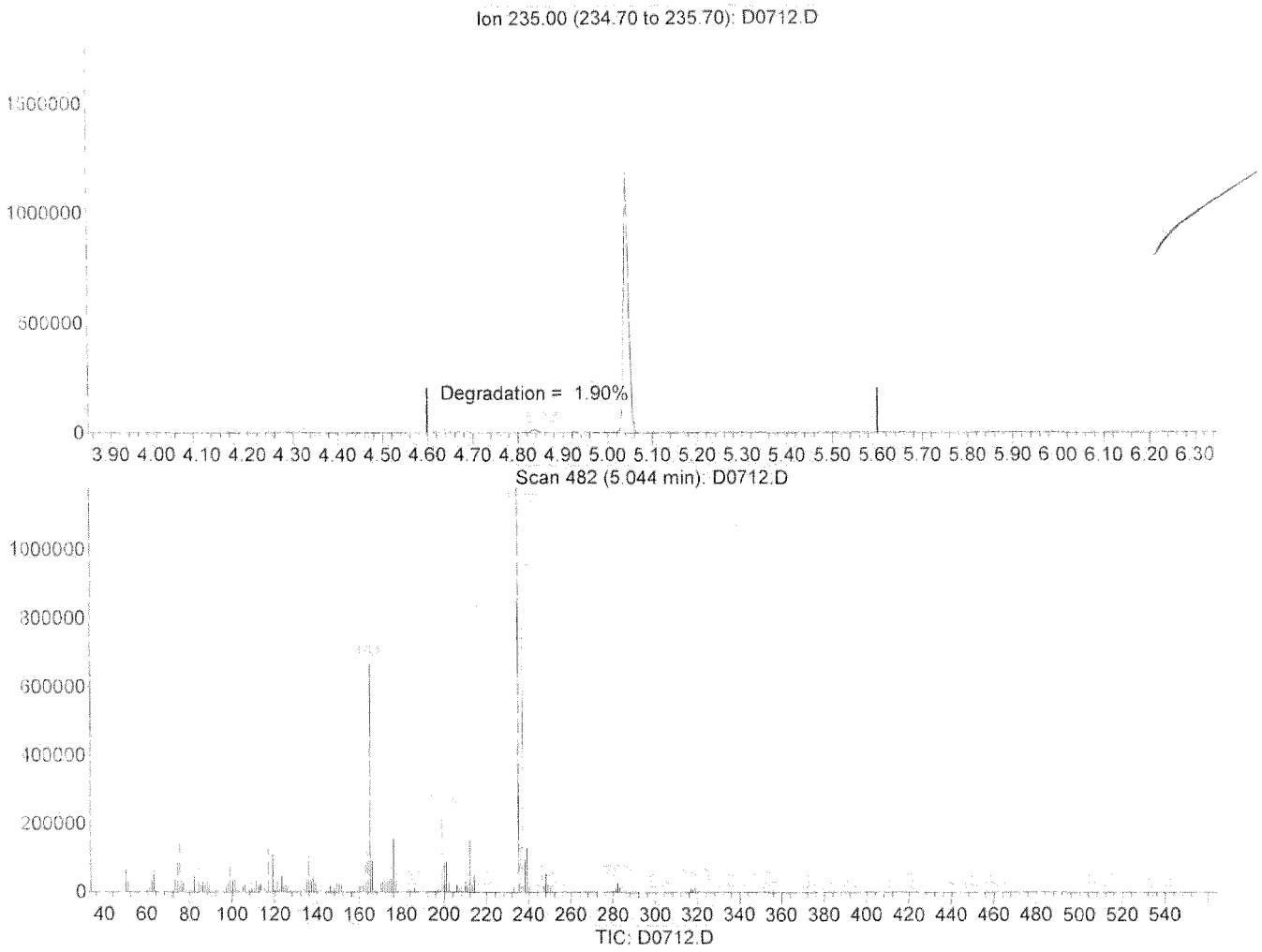
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050812.B\D0712.D
Acq On : 8 May 2012 10:11 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: May 8 14:12 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu May 03 08:03:22 2012
Response via : Single Level Calibration



(3) 4,4'-DDT (Degradation<20%)

5.05min 0.00

response 9267098

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS SVOAContinuing Calibration Review Checklist
Denver

TestAmerica

Instrument ID and Date: Inst.D HSL/APG 05/12 05/09/12

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?	✓			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: _____ Date: 5/10/12

2nd Level Reviewer: _____ Date: 5/10/12

5/10/12

Injection Log

Directory: C:\HPCHEM\1\DATA\050912.B

Line	Vial	FileName	Multiplier	SampleName 119208	Misc Info	Injected
1	1	D0753.D	1.	RINSE		9 May 2012 13:39
2	1	D0754.D	1.	DFTPP_00031,,1349453		9 May 2012 13:49
3	2	D0755.D	1.	CCV-1394532,,HSL080		9 May 2012 14:01
4	3	D0756.D	1.	CCV-1397576,,AP9080		9 May 2012 14:20
5	4	D0757.D	1.	SURR044,,	STDVER	9 May 2012 14:50
6	5	D0758.D	1.	280-28445-b-5-a,5,	118285	9 May 2012 15:09
7	6	D0759.D	1.	280-28131-d-4-a,6,	117171	9 May 2012 15:27
8	7	D0760.D	1.	280-28131-b-4-ams,6,	117171	9 May 2012 15:45
9	8	D0761.D	1.	280-28131-s-4-amsd,6,	117171	9 May 2012 16:03
10	9	D0762.D	1.	280-28076-d-1-a,4,	117171	9 May 2012 16:21
11	10	D0763.D	1.	280-28131-c-1-a,4,	117171	9 May 2012 16:40
12	11	D0764.D	1.	280-28131-a-2-a,4,	117171	9 May 2012 16:58
13	12	D0765.D	1.	280-28131-g-3-a,4,	117171	9 May 2012 17:16
14	98	D0766.D	1.	RINSE		9 May 2012 17:34
15	99	D0767.D	1.	RINSE		9 May 2012 17:53
16	100	D0768.D	1.	RINSE		9 May 2012 18:11

Diluent Solvent Lot # K5/502

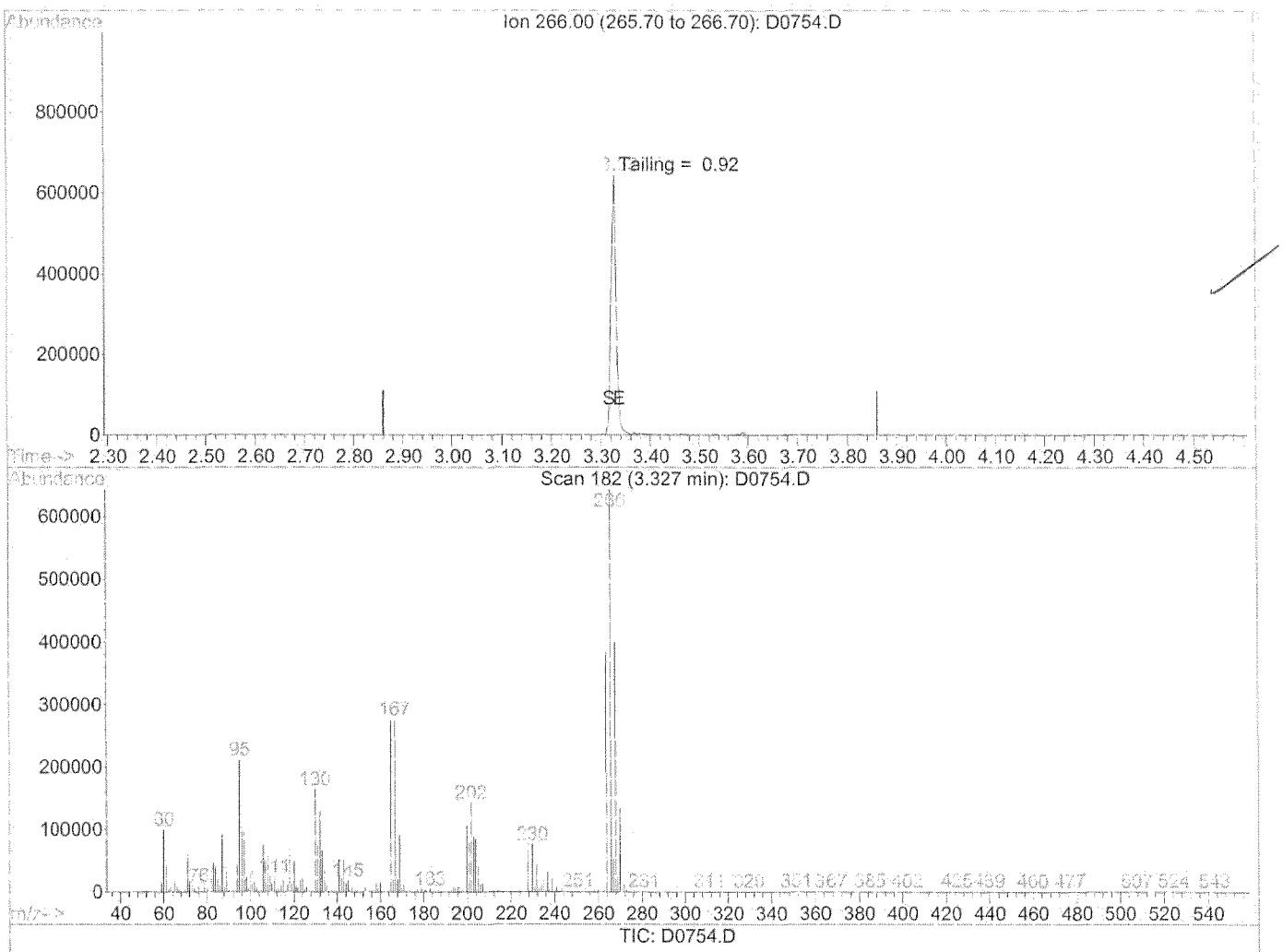
Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: Cut 30 cm off col. replaced liner, gold seal, septum

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050912.B\D0754.D Vial: 1
Acq On : 9 May 2012 1:49 pm Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 10 7:15 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu May 03 08:03:22 2012
Response via : Single Level Calibration



(1) Pentachlorophenol (Tailing<5)

3.33min 0.00

response 4512281

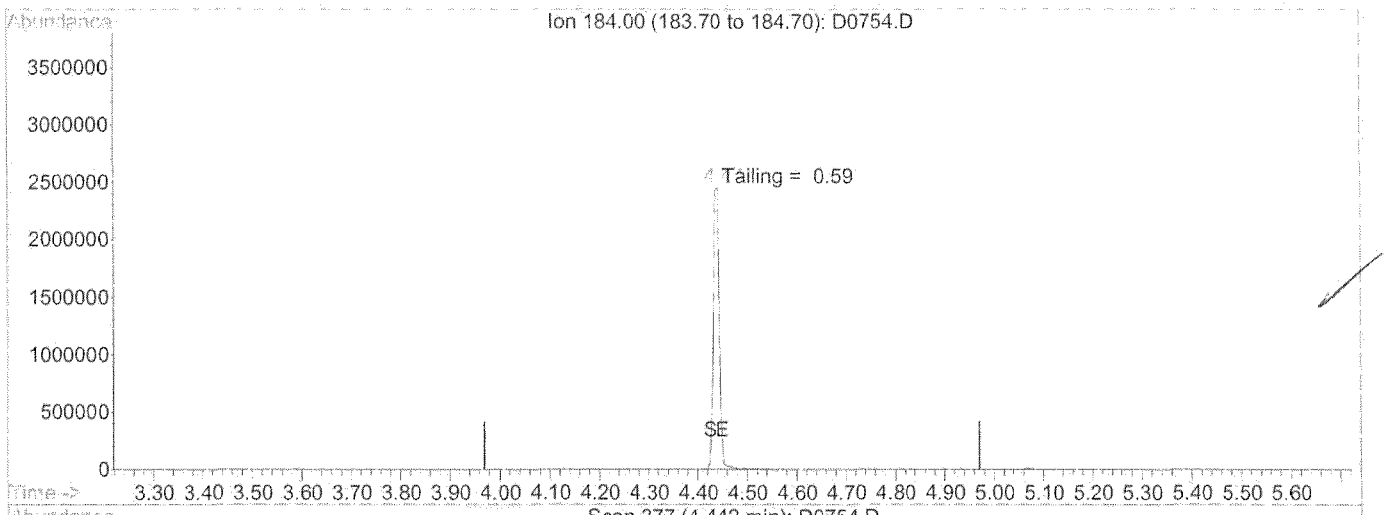
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

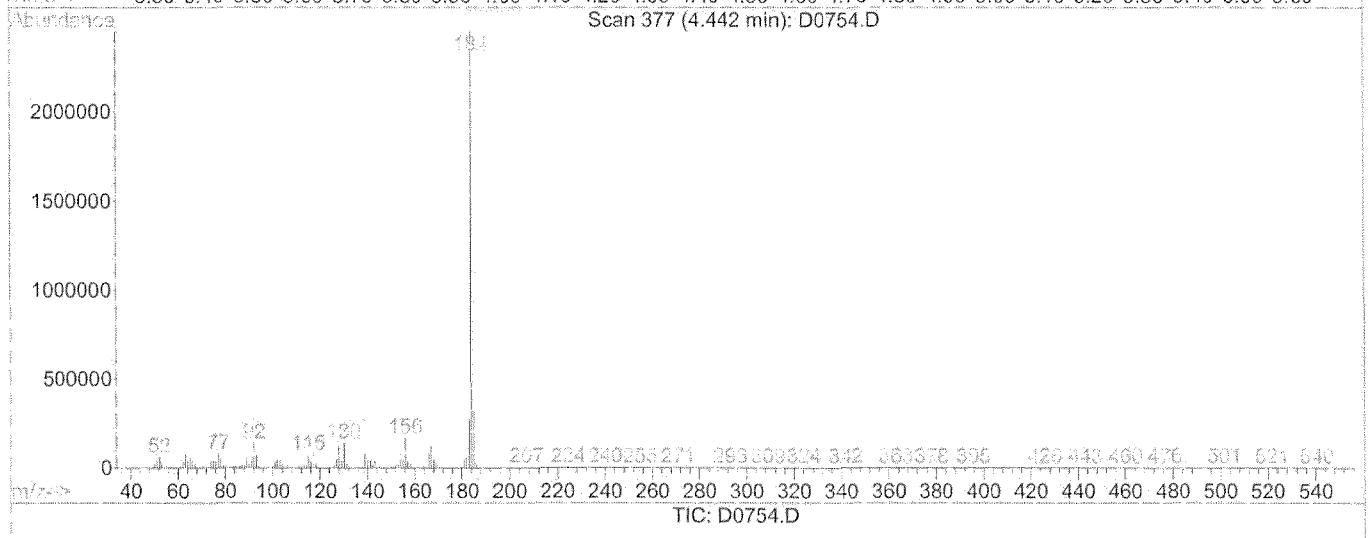
EPAPAV0012077

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050912.B\D0754.D Vial: 1
Acq On : 9 May 2012 1:49 pm Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 10 7:15 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu May 03 08:03:22 2012
Response via : Single Level Calibration





(2) Benzidine (Tailing<3)

4.44min 0.00

response 21505478

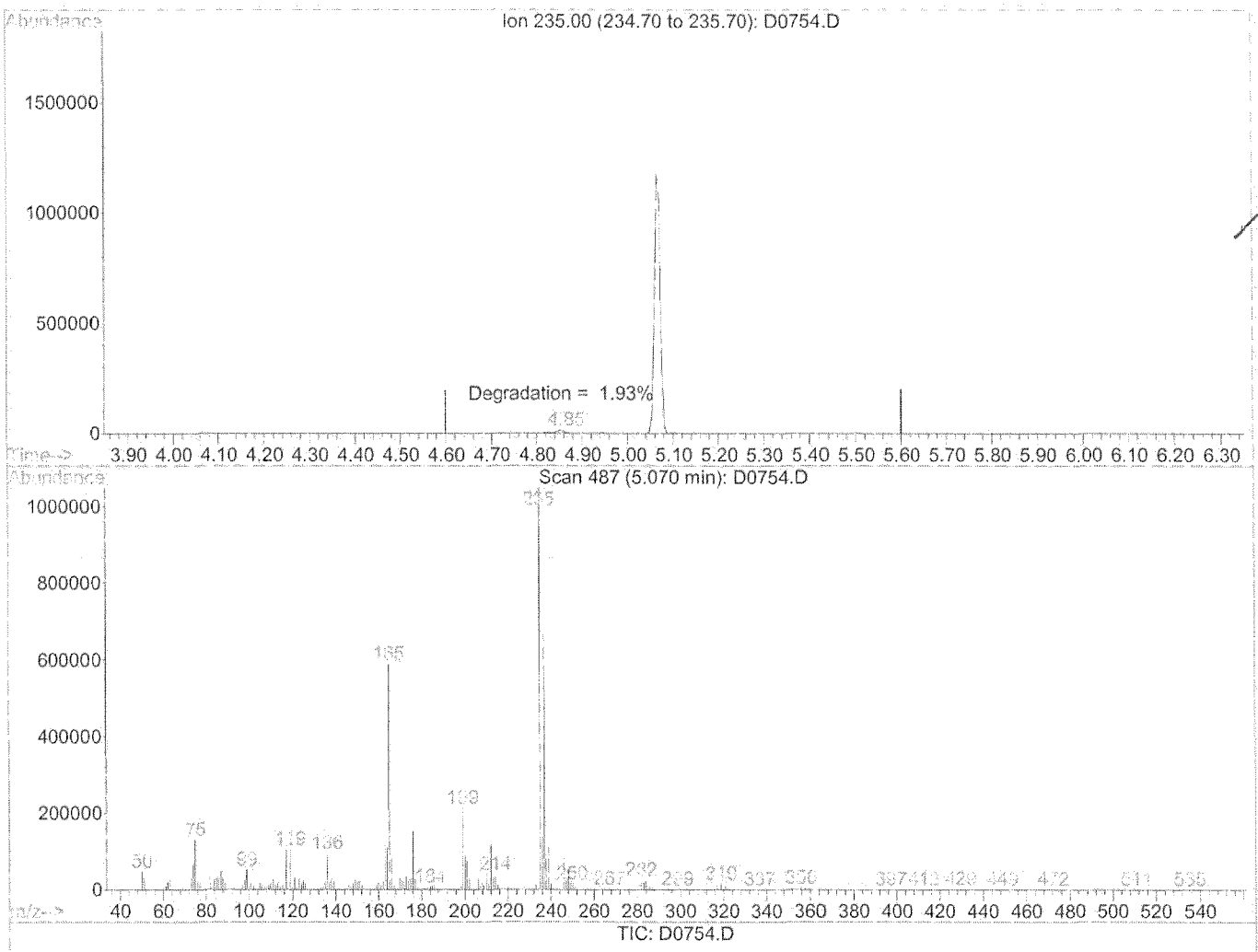
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

EPAPAV0012078

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050912.B\D0754.D Vial: 1
Acq On : 9 May 2012 1:49 pm Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 10 7:15 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu May 03 08:03:22 2012
Response via : Single Level Calibration



(3) 4,4'-DDT (Degradation<20%)

5.07min 0.00

response 10863313

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: Inst.D AP9 050212-A
Calibration Event 9238 Batch 117938

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?	✓			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.		✓		→	Methyl Methane Sulfonate = 166% Recovery

1st Level Reviewer: _____ Date: 5/3/12

2nd Level Reviewer: _____ Date: 5/3/12

Injection Log

Directory: C:\HPCHEM\1\DATA\050212.B

MM 5/2/12

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D0509.D	1.	DFTPP_00031,,1349453		2 May 2012 07:08
2	2	D0510.D	1.	IC-1314754,,AP9200		2 May 2012 07:20
3	3	D0511.D	1.	IC-1314710,,AP9160		2 May 2012 07:39
4	4	D0512.D	1.	IC-1314708,,AP9120		2 May 2012 07:57
5	5	D0513.D	1.	ICIS-1314706,,AP9080		2 May 2012 08:14
6	6	D0514.D	1.	IC-1314703,,AP9050		2 May 2012 08:32
7	7	D0515.D	1.	IC-1314701,,AP9020		2 May 2012 08:50
8	8	D0516.D	1.	IC-1314700,,AP9010		2 May 2012 09:07
9	9	D0517.D	1.	ICV-1363814,,AP9SSV1		2 May 2012 09:25
10	10	D0518.D	1.	ICV-1314767,,AP9SSV2		2 May 2012 09:44
11	11	D0519.D	1.	IC-1394496,,HSL200		2 May 2012 10:04
12	12	D0520.D	1.	IC-1394511,,HSL160		2 May 2012 10:23
13	13	D0521.D	1.	IC-1394529,,HSL120		2 May 2012 10:43
14	14	D0522.D	1.	ICIS-1384530,,HSL080		2 May 2012 11:01
15	15	D0523.D	1.	IC-1394545,,HSL050		2 May 2012 11:20
16	16	D0524.D	1.	IC-1394546,,HSL020		2 May 2012 11:38
17	17	D0525.D	1.	IC-1394547,,HSL010		2 May 2012 11:57
18	18	D0526.D	1.	IC-1394548,,HSL004		2 May 2012 12:15
19	19	D0527.D	1.	ICV-1394562,,HSLSSV080		2 May 2012 12:34
20	20	D0528.D	1.	ICV-1363244,,BENZ-SSV		2 May 2012 12:52
21	21	D0529.D	1.	ICV-840613,,FAM-SSV		2 May 2012 13:11

Diluent Solvent Lot # MM

Circle: SOP: ~~DV-MS-0011 (8270C/625)~~ or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: New ICALs

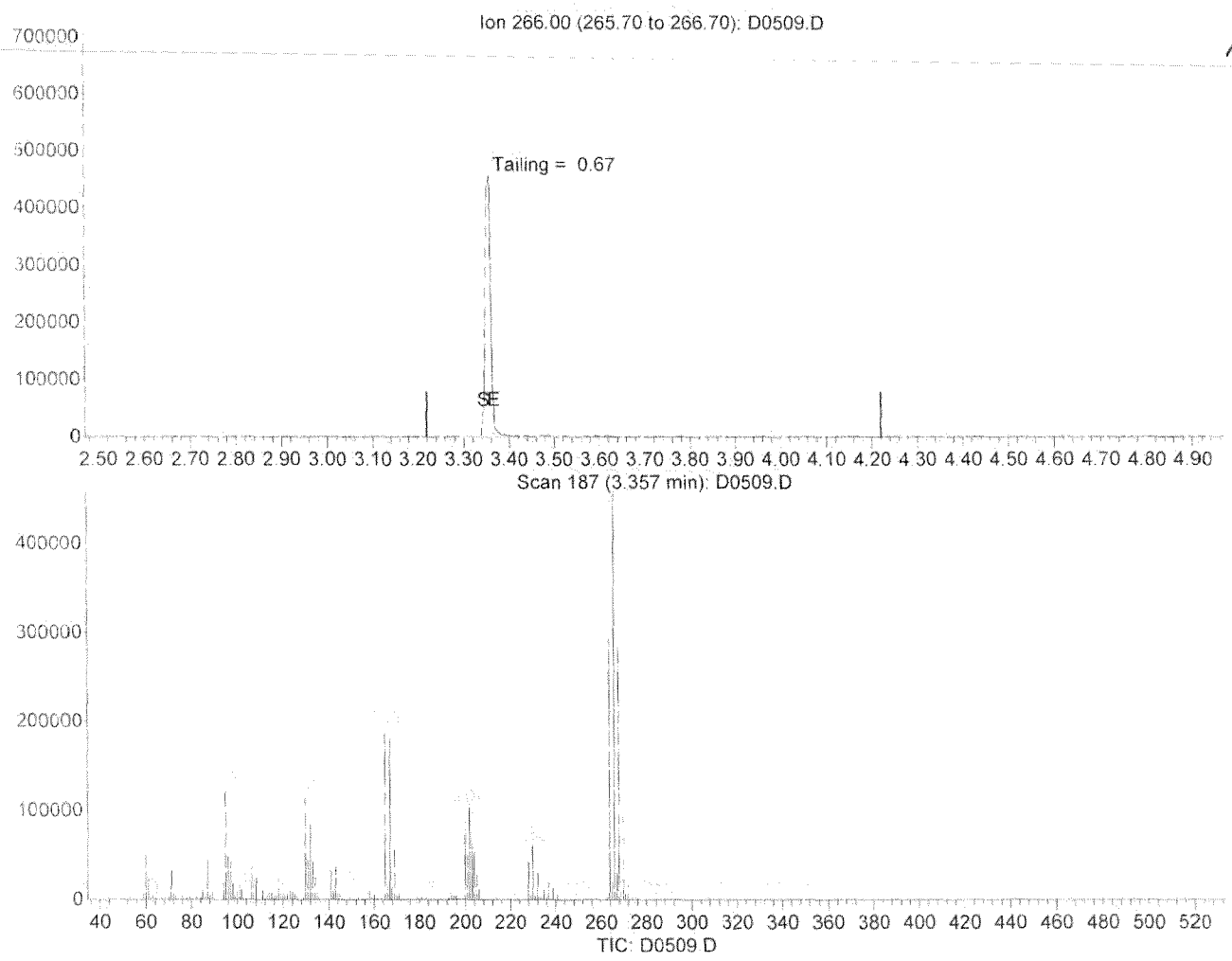
MM 5/2/12

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050212.B\D0509.D
Acq On : 2 May 2012 7:08 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: May 2 10:17 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(1) Pentachlorophenol (Tailing<5)

3.36min 0.00 m

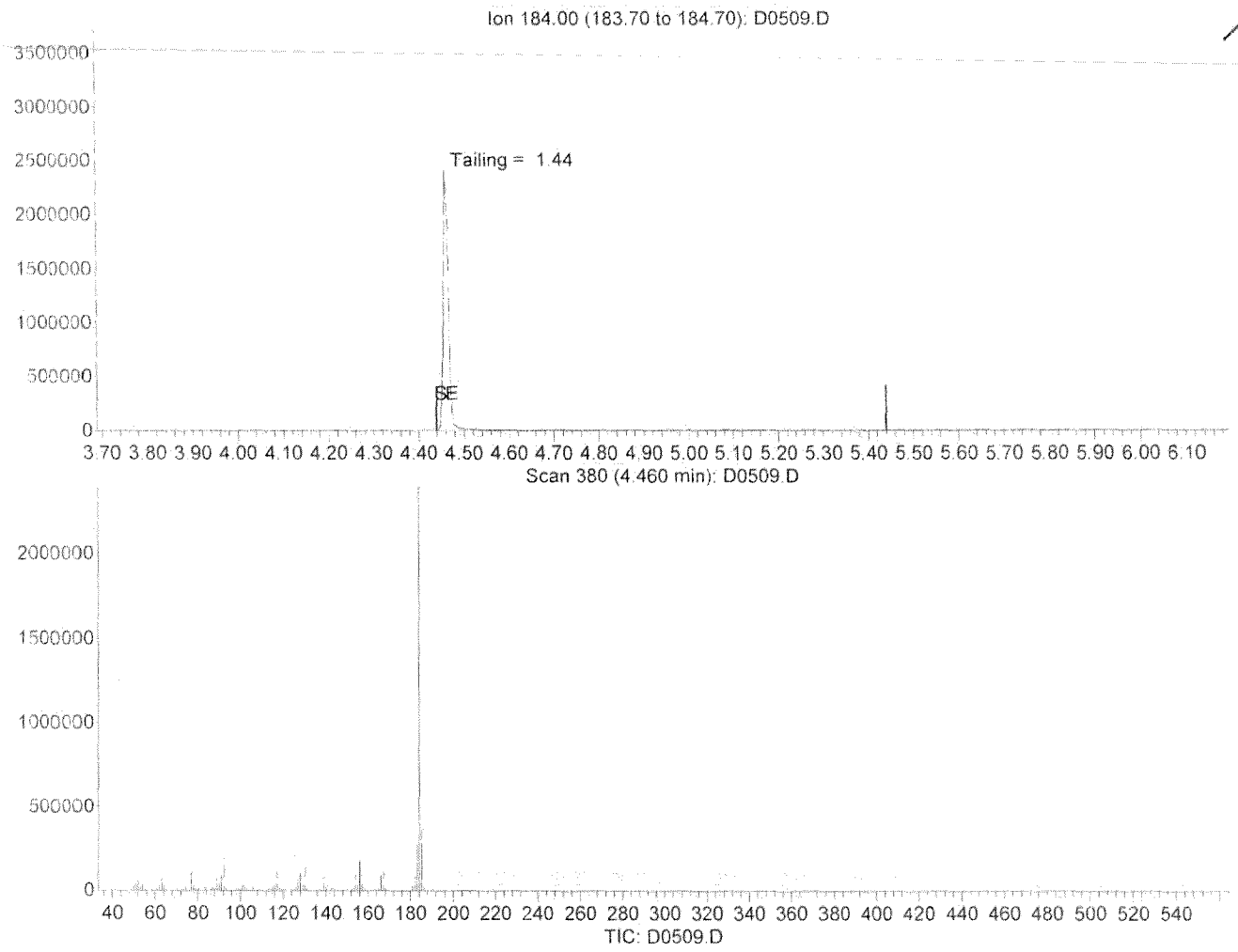
response 3557199

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050212.B\D0509.D Vial: 1
Acq On : 2 May 2012 7:08 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 2 10:18 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(2) Benzidine (Tailing<3)

4.46min 0.00 m

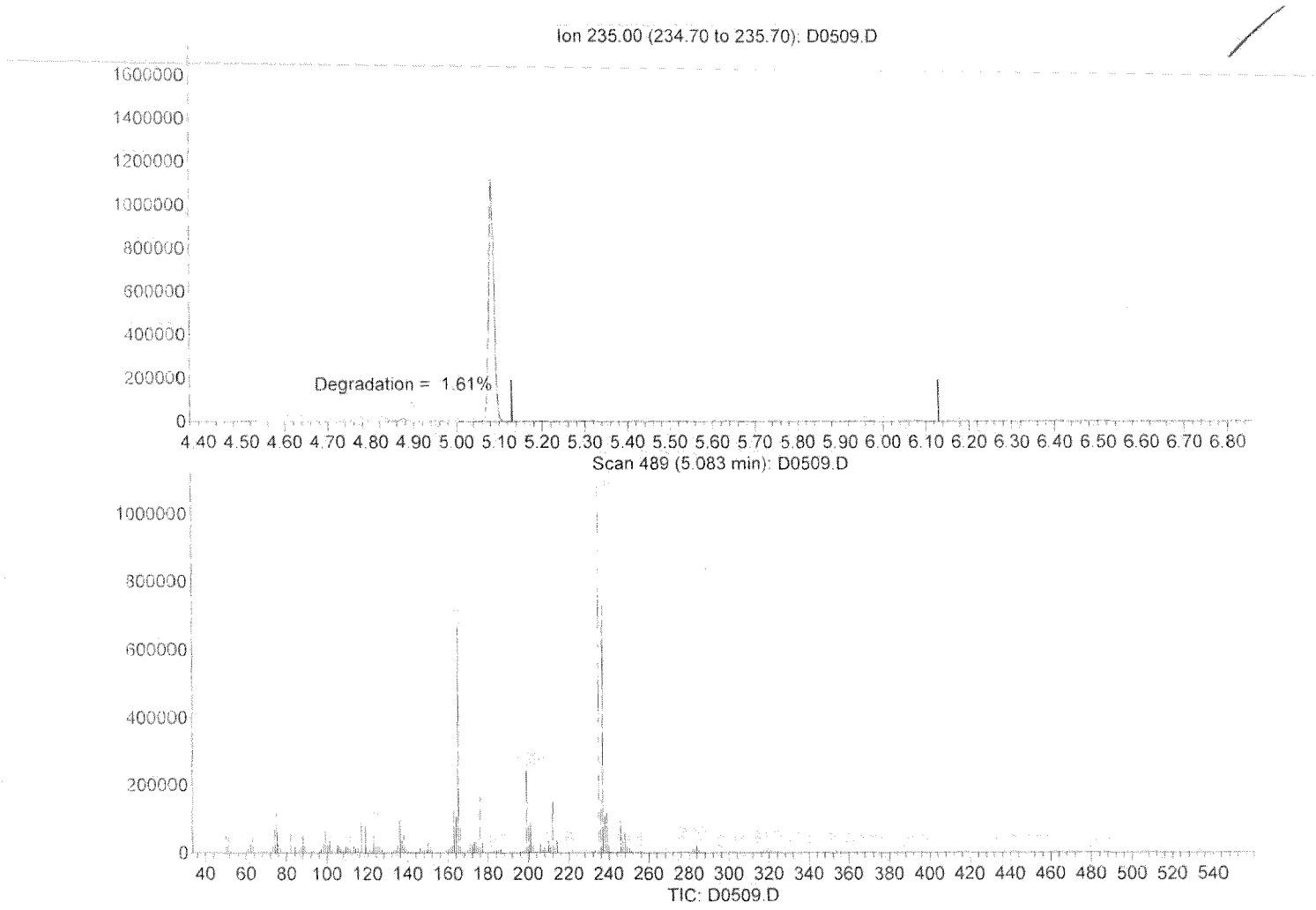
response 10696111

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050212.B\D0509.D Vial: 1
Acq On : 2 May 2012 7:08 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 2 10:18 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(3) 4,4'-DDT (Degradation<20%)

5.08min 0.00 m

response 8416461

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: Inst.D HSL 050212-H
Calibration Event 4253 Batch 118050

Check Method Used: Analysis ☑ 625 ☑ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓				
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	N/A	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35% or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.		✓		→	Famphur = 131% Recovery

1st Level Reviewer: [signature] Date: 5/3/12

2nd Level Reviewer: [signature] Date: 5/3/12

Famphur high point = 160 ng/mL

Injection Log

Directory: C:\HPCHEM\1\DATA\050212.B

MM 5/2/12

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D0509.D	1.	DFTPP_00031,,1349453		2 May 2012 07:08
2	2	D0510.D	1.	IC-1314754,,AP9200		2 May 2012 07:20
3	3	D0511.D	1.	IC-1314710,,AP9160		2 May 2012 07:39
4	4	D0512.D	1.	IC-1314708,,AP9120		2 May 2012 07:57
5	5	D0513.D	1.	ICIS-1314706,,AP9080		2 May 2012 08:14
6	6	D0514.D	1.	IC-1314703,,AP9050		2 May 2012 08:32
7	7	D0515.D	1.	IC-1314701,,AP9020		2 May 2012 08:50
8	8	D0516.D	1.	IC-1314700,,AP9010		2 May 2012 09:07
9	9	D0517.D	1.	ICV-1363814,,AP9SSV1		2 May 2012 09:25
10	10	D0518.D	1.	ICV-1314767,,AP9SSV2		2 May 2012 09:44
11	11	D0519.D	1.	IC-1394496,,HSL200		2 May 2012 10:04
12	12	D0520.D	1.	IC-1394511,,HSL160		2 May 2012 10:23
13	13	D0521.D	1.	IC-1394529,,HSL120		2 May 2012 10:43
14	14	D0522.D	1.	ICIS-1384530,,HSL080		2 May 2012 11:01
15	15	D0523.D	1.	IC-1394545,,HSL050		2 May 2012 11:20
16	16	D0524.D	1.	IC-1394546,,HSL020		2 May 2012 11:38
17	17	D0525.D	1.	IC-1394547,,HSL010		2 May 2012 11:57
18	18	D0526.D	1.	IC-1394548,,HSL004		2 May 2012 12:15
19	19	D0527.D	1.	ICV-1394562,,HSLSSV080		2 May 2012 12:34
20	20	D0528.D	1.	ICV-1363244,,BENZ-SSV		2 May 2012 12:52
21	21	D0529.D	1.	ICV-840613,,FAM-SSV		2 May 2012 13:11

Diluent Solvent Lot # MM

Circle: SOP: ~~DV-MS-0011 (8270C/625)~~ or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

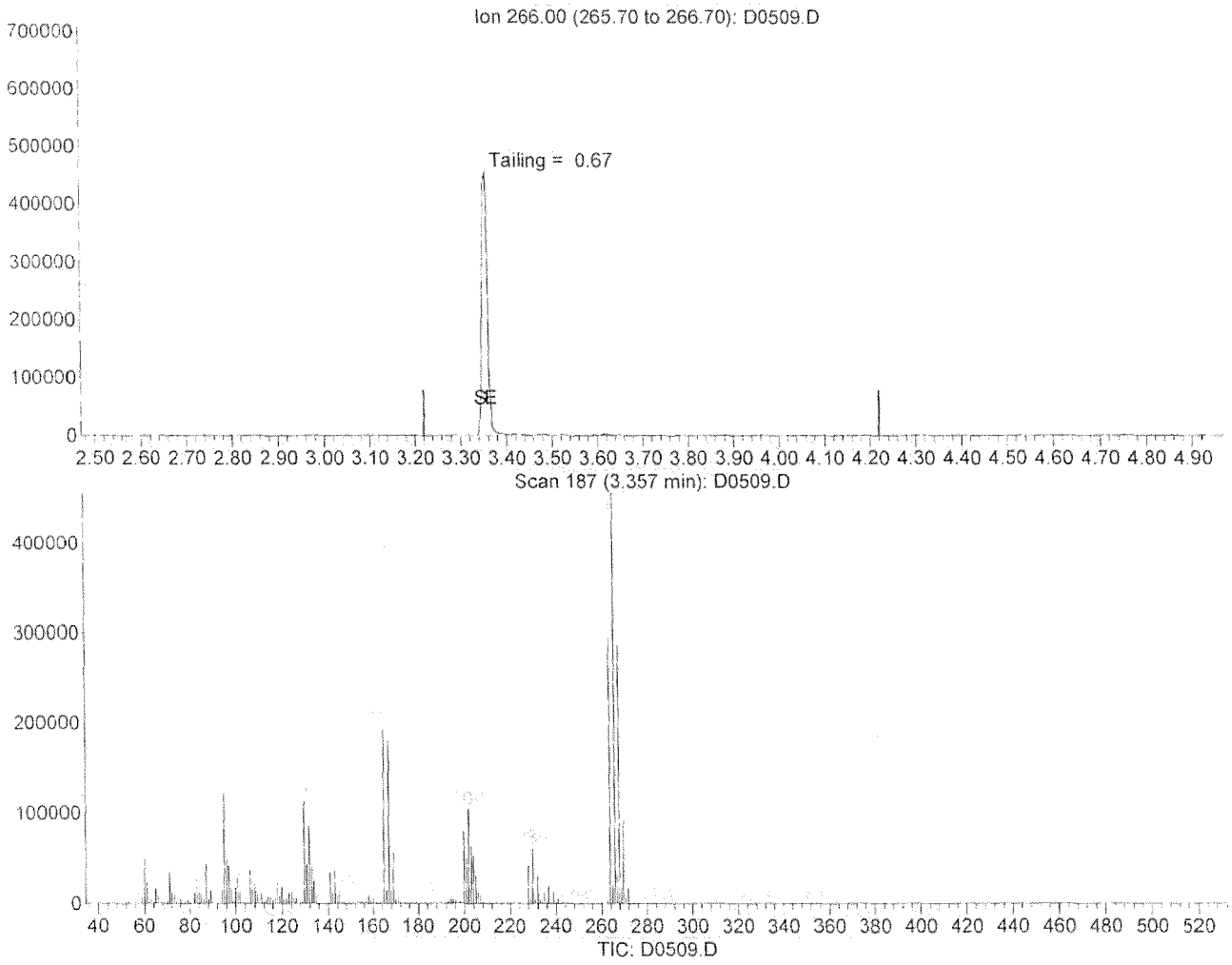
Daily Maintenance Performed: New ICALs

MM 5/2/12

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050212.B\D0509.D Vial: 1
Acq On : 2 May 2012 7:08 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 2 10:17 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(1) Pentachlorophenol (Tailing<5)

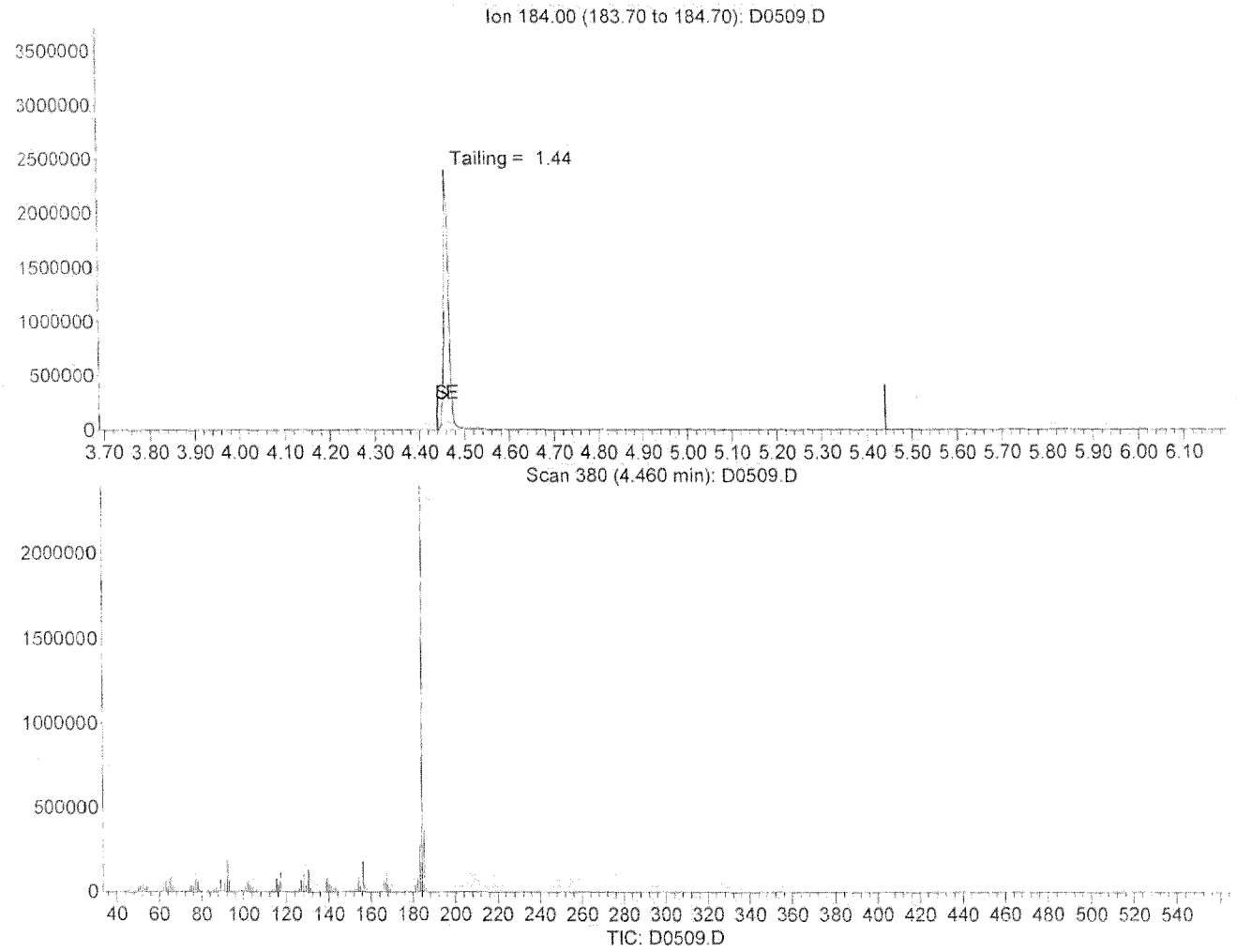
3.36min 0.00 m

response 3557199

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\050212.B\D0509.D Vial: 1
Acq On : 2 May 2012 7:08 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 2 10:18 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(2) Benzidine (Tailing<3)

4.46min 0.00 m

response 10696111

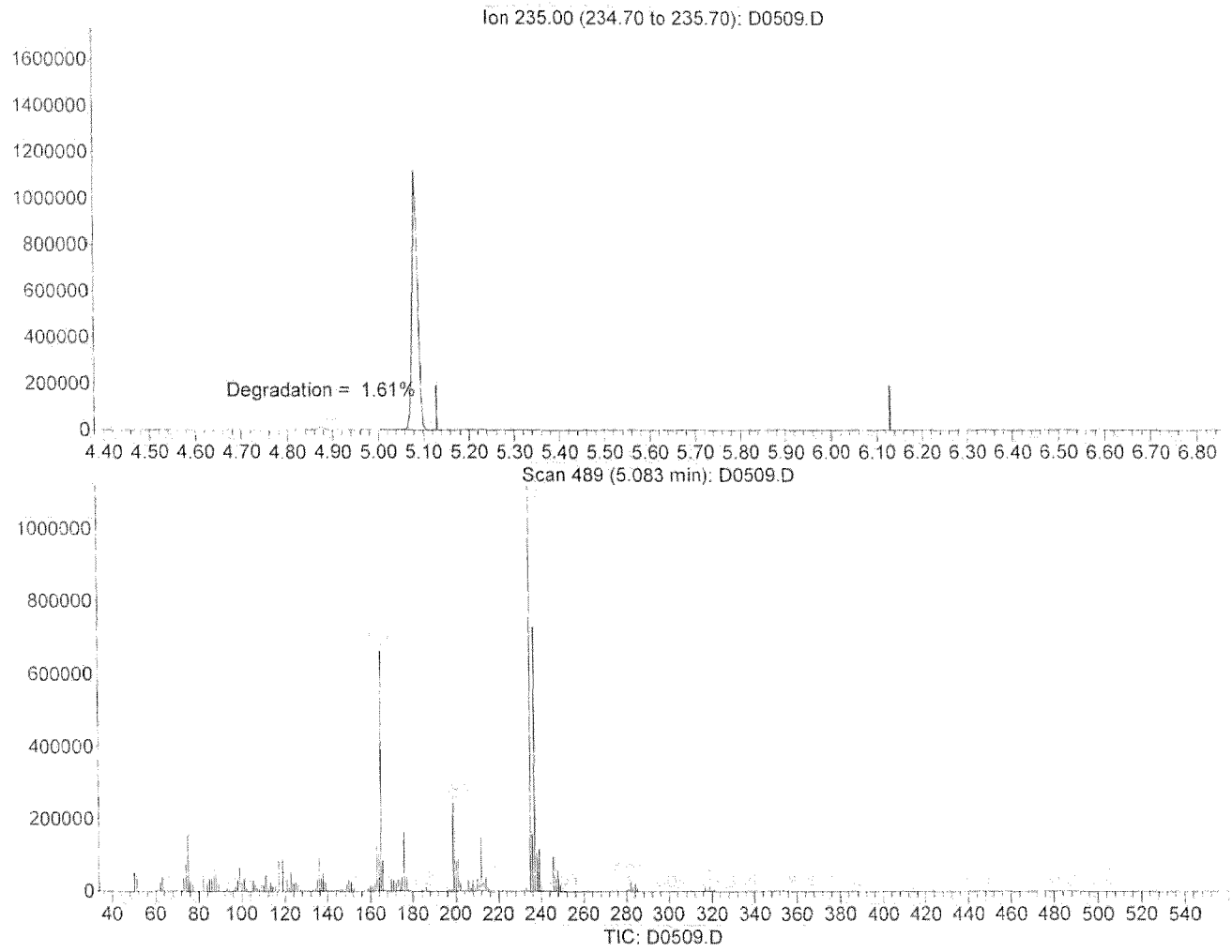
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D0509.D DFTPPC.M Wed May 02 10:18:10 2012

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\050212.B\D0509.D Vial: 1
Acq On : 2 May 2012 7:08 am Operator: hoffmanm
Sample : DFTPP_00031,,1349453 Inst : GC/MS D
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 2 10:18 2012 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(3) 4,4'-DDT (Degradation<20%)

5.08min 0.00 m

response 8416461

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D0509.D DFTPPC.M Wed May 02 10:18:31 2012

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117171 Batch Start Date: 04/26/12 16:07 Batch Analyst: Oster, Susan H

Batch Method: 3520C Batch End Date: 05/01/12 19:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	GrossWeight	TareWeight	Initial Amount	Final Amount	First Adjust pH
MB 280-117171/1		3520C, 8270C		7 SU			1000 mL	1000 uL	1-2 SU
LCS 280-117171/2		3520C, 8270C		7 SU			1000 mL	1000 uL	1-2 SU
LCSD 280-117171/3		3520C, 8270C		7 SU			1000 mL	1000 uL	1-2 SU
280-28076-D-1	MW02	3520C, 8270C	T	11 SU	1498.1 g	498.9 g	999.2 mL	1000 uL	1-2 SU
280-28131-B-4 MS		3520C, 8270C	T	10 SU	1459.9 g	500.5 g	959.4 mL	1000 uL	1-2 SU
280-28131-S-4 MSD		3520C, 8270C	T	10 SU	1454.9 g	500.9 g	954 mL	1000 uL	1-2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjust pH	8270LCS80ppm 00036	8270Surrogate 00042	BenzoicLCS 00001		
MB 280-117171/1		3520C, 8270C		11-12 SU		1 mL			
LCS 280-117171/2		3520C, 8270C		11-12 SU	1 mL	1 mL	1 mL		
LCSD 280-117171/3		3520C, 8270C		11-12 SU	1 mL	1 mL	1 mL		
280-28076-D-1	MW02	3520C, 8270C	T	11-12 SU		1 mL			
280-28131-B-4 MS		3520C, 8270C	T	11-12 SU	1 mL	1 mL	1 mL		
280-28131-S-4 MSD		3520C, 8270C	T	11-12 SU	1 mL	1 mL	1 mL		

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117171 Batch Start Date: 04/26/12 16:07 Batch Analyst: Oster, Susan H

Batch Method: 3520C Batch End Date: 05/01/12 19:45

Batch Notes	
Acid used for pH adjustment	1:1 H2SO4
Acid used for pH adjust Lot #	1:1H2SO4_00009
Base used for pH adjustment	10N NaOH
Base used for pH adjust Lot #	10N_NaOH_00010
Batch Comment	DV-OP-0008/7 Bal: 24350888, H2O: Elga, NaCl: K47601
Person's name who did the concentration	SmileyK/MoanM
Time the first extraction ended 24hr	4/27/12 1600
Time the first extraction started 24 hr	4/26/12 1618
Na2SO4 Lot Number	K34587_00002
Prep Solvent Lot #	MeCl2_Cycl_00030
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	Susan Oster, Josh Wiggins (trainee)
Person's name who witnessed reagent drop	Reviewer: Oster, S. S/S: Wiggins, J. Pipette: H
Time the second extractino ended 24 hr	4/28/12 1135
Time the second extration started 24 hr	4/27/12 1720
Sufficient volume for MS/MSD?	yes
Water Bath ID	B
Water Bath Temperature	84 C Degrees C

Basis	Basis Description
T	Total/NA

Method 8270C SIM

Semivolatile Organic Compounds (GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Vf-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
MW02	280-28076-1	154 D	72 D	85 D
	MB 280-117187/1-A	93	92	100
	LCS 280-117187/2-A	94	92	102
	280-28131-F-4-A MS	85	83	96
	280-28131-R-4-G MSD	65	66	95

	QC LIMITS
NBZ = Nitrobenzene-d5	43-120
FBP = 2-Fluorobiphenyl	42-120
TPH = Terphenyl-d14	47-120

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F4190.D

Lab ID: LCS 280-117187/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Benzo[b]fluoranthene	900	952	106	44-120	
Benzo[a]pyrene	900	936	104	38-120	
Benzo[a]anthracene	900	902	100	42-120	
Benzo[k]fluoranthene	900	962	107	43-120	
Benzo[g,h,i]perylene	900	988	110	39-120	
Phenanthrene	900	887	99	46-120	
Anthracene	900	966	107	28-120	
Dibenz(a,h)anthracene	900	958	106	27-126	
Chrysene	900	933	104	35-120	
Acenaphthene	900	891	99	47-120	
Acenaphthylene	900	882	98	39-120	
Fluoranthene	900	950	106	46-120	
Fluorene	900	865	96	49-120	
Pyrene	900	936	104	49-120	
Indeno[1,2,3-cd]pyrene	900	942	105	38-120	

Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F4201.D

Lab ID: 280-28131-F-4-A MS Client ID:

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
Benzo[b]fluoranthene	911	ND	808	89	44-120	
Benzo[a]pyrene	911	ND	788	86	38-120	
Benzo[a]anthracene	911	ND	892	98	42-120	
Benzo[k]fluoranthene	911	ND	825	91	43-120	
Benzo[g,h,i]perylene	911	41 J	749	78	39-120	
Phenanthrene	911	ND	847	93	46-120	
Anthracene	911	ND	930	102	28-120	
Dibenz(a,h)anthracene	911	ND	700	77	27-126	
Chrysene	911	ND	952	104	35-120	
Acenaphthene	911	ND	820	90	47-120	
Acenaphthylene	911	ND	856	94	39-120	
Fluoranthene	911	ND	892	98	46-120	
Fluorene	911	ND	796	87	49-120	
Pyrene	911	8.9 J	848	92	49-120	
Indeno[1,2,3-cd]pyrene	911	16 J	678	73	38-120	

Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F4202.D

Lab ID: 280-28131-R-4-G MSD Client ID:

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[b]fluoranthene	948	925	98	13	28	44-120	
Benzo[a]pyrene	948	915	96	15	21	38-120	
Benzo[a]anthracene	948	931	98	4	40	42-120	
Benzo[k]fluoranthene	948	964	102	16	28	43-120	
Benzo[g,h,i]perylene	948	879	88	16	23	39-120	
Phenanthrene	948	774	82	9	42	46-120	
Anthracene	948	837	88	10	50	28-120	
Dibenz(a,h)anthracene	948	834	88	17	25	27-126	
Chrysene	948	977	103	3	41	35-120	
Acenaphthene	948	692	73	17	50	47-120	
Acenaphthylene	948	712	75	18	50	39-120	
Fluoranthene	948	894	94	0	24	46-120	
Fluorene	948	691	73	14	50	49-120	
Pyrene	948	857	89	1	22	49-120	
Indeno[1,2,3-cd]pyrene	948	830	86	20	25	38-120	

Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM I V
GC/ MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Test Ameri ca Denver Job No. : 280-28076-1

SDG No. :

Lab Fi l e I D: F4189. D Lab Sampl e I D: MB 280-117187/ 1-A

Mat ri x: Wat er Dat e Ext ract ed: 04/ 26/ 2012 17: 00

I nst rument I D: MSS_F Dat e Anal yzed: 05/ 04/ 2012 16: 39

Level : (Low/ Med) Low

THI S METHOD BLANK APPLI ES TO THE FOLLOWI NG SAMPLES:

CLI ENT SAMPLE I D	LAB SAMPLE I D	LAB FI LE I D	DATE ANALYZED
	LCS 280-117187/ 2-A	F4190. D	05/ 04/ 2012 17: 09
	280-28131-F-4-A MS	F4201. D	05/ 04/ 2012 22: 38
	280-28131-R-4-G MSD	F4202. D	05/ 04/ 2012 23: 08
MW02	280-28076-1	F4206. D	05/ 05/ 2012 01: 07

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

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: F4122.D DFTPP Injection Date: 05/01/2012

Instrument ID: MSS_F DFTPP Injection Time: 10:34

Analysis Batch No.: 118415

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.6	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	53.1	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	23.0	
365	Greater than 1.0 % of mass 198	2.6	
441	Present but less than mass 443	10.5	(76.5)1
442	Greater than 40.0 % of mass 198	72.0	
443	17.0 - 23.0 % of mass 442	13.7	(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
	ICIS 280-118415/2	F4123.D	05/01/2012	10:47
	IC 280-118415/3	F4124.D	05/01/2012	11:20
	IC 280-118415/4	F4125.D	05/01/2012	11:50
	IC 280-118415/5	F4126.D	05/01/2012	12:20
	IC 280-118415/6	F4127.D	05/01/2012	12:50
	IC 280-118415/7	F4128.D	05/01/2012	13:20
	IC 280-118415/8	F4129.D	05/01/2012	13:50
	ICV 280-118415/9	F4130.D	05/01/2012	14:20

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

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab File ID: F4187.D DFTPP Injection Date: 05/04/2012

Instrument ID: MSS_F DFTPP Injection Time: 15:52

Analysis Batch No.: 118594

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.2	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	54.7	
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	22.8	
365	Greater than 1.0 % of mass 198	2.5	
441	Present but less than mass 443	9.8	(77.9)1
442	Greater than 40.0 % of mass 198	67.2	
443	17.0 - 23.0 % of mass 442	12.5	(18.7)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
	CCV 280-118594/2	F4188.D	05/04/2012	16:04
	MB 280-117187/1-A	F4189.D	05/04/2012	16:39
	LCS 280-117187/2-A	F4190.D	05/04/2012	17:09
	280-28131-F-4-A MS	F4201.D	05/04/2012	22:38
	280-28131-R-4-G MSD	F4202.D	05/04/2012	23:08
MW02	280-28076-1	F4206.D	05/05/2012	01:07

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

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: ICIS 280-118415/2 | Date Analyzed: 05/01/2012 10:47

Instrument ID: MSS_F | GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): F4123.D | Heated Purge: (Y/N) N

Calibration ID: 9271

		ANT		PHN		CRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		125050	7.53	203410	9.04	193172	13.55
UPPER LIMIT		250100	8.03	406820	9.54	386344	14.05
LOWER LIMIT		62525	7.03	101705	8.54	96586	13.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-118415/9		107079	7.53	170077	9.04	156819	13.55
CCV 280-118594/2		174585	7.50	285294	9.00	251626	13.47
MB 280-117187/1-A		140867	7.49	241582	9.00	210810	13.46
LCS 280-117187/2-A		129584	7.49	209690	9.00	191397	13.46
280-28131-F-4-A MS		91266	7.49	142985	9.00	112976	13.46
280-28131-R-4-G MSD		117711	7.49	193409	9.00	162010	13.46
280-28076-1	MW02	109139	7.49	177297	9.00	136726	13.46

ANT = Acenaphthene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12

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 8270C SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: F4206.D

Analysis Method: 8270C SIM | Date Collected: 04/22/2012 15:45

Extract. Method: 3510C | Date Extracted: 04/26/2012 17:00

Sample wt/vol: 992.7(mL) | Date Analyzed: 05/05/2012 01:07

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 118594 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	ND		400	14
50-32-8	Benzo[a]pyrene	ND		400	21
56-55-3	Benzo[a]anthracene	ND		400	13
207-08-9	Benzo[k]fluoranthene	ND		400	20
191-24-2	Benzo[g,h,i]perylene	140	J B	400	14
85-01-8	Phenanthrene	ND		400	39
120-12-7	Anthracene	ND		400	57
53-70-3	Dibenz(a,h)anthracene	76	J B	400	19
218-01-9	Chrysene	ND		400	13
83-32-9	Acenaphthene	ND		400	44
208-96-8	Acenaphthylene	110	J	400	40
206-44-0	Fluoranthene	ND		400	18
86-73-7	Fluorene	ND		400	76
129-00-0	Pyrene	ND		400	33
193-39-5	Indeno[1,2,3-cd]pyrene	65	J B	400	59
90-12-0	1-Methylnaphthalene	3500		400	23
91-57-6	2-Methylnaphthalene	6700		400	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	72	D	42-120
4165-60-0	Nitrobenzene-d5	154	D	43-120
1718-51-0	Terphenyl-d14	85	D	47-120

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4206.D
Lab Smp Id: 280-28076-B-1-A Client Smp ID: MW02
Inj Date : 05-MAY-2012 01:07
Operator : vasquezk Inst ID: F.i
Smp Info : 280-28076-b-1-a,4,
Misc Info : 280-28076-B-1-A
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\Q1PAHSIM.m
Meth Date : 04-May-2012 18:24 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 20
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: Q4PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	992.700	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
* 12	Acenaphthene-d10	164	7.486	7.496	(1.000)	109139	600.000	
* 19	Phenanthrene-d10	188	8.996	9.004	(1.000)	177297	600.000	
* 27	Chrysene-d12	240	13.461	13.470	(1.000)	136726	600.000	
$ 4	Nitrobenzene-d5	82	5.044	5.036	(0.674)	26411	192.518	775.734(R)
$ 10	2-Fluorobiphenyl	172	6.785	6.785	(0.906)	22464	90.3908	364.222
$ 24	Terphenyl-d14	244	11.101	11.101	(1.234)	22781	106.737	430.087
6	Naphthalene	128	5.756	5.756	(0.769)	580525	1495.10	6024.36
8	2-Methylnaphthalene	142	6.436	6.435	(0.860)	398184	1655.34	6670.05
9	1-Methylnaphthalene	142	6.536	6.540	(0.873)	212537	861.544	3471.52
11	Acenaphthylene	152	7.350	7.350	(0.982)	10074	27.8740	112.316
13	Acenaphthene	153	7.506	7.525	(1.003)	1843	8.02827	32.3492(aQ)
14	Dibenzofuran	168	Compound Not Detected.					
15	Fluorene	166	Compound Not Detected.					
20	Phenanthrene	178	Compound Not Detected.					
21	Anthracene	178	Compound Not Detected.					
22	Fluoranthene	202	Compound Not Detected.					
23	Pyrene	202	Compound Not Detected.					
26	Benzo(a)anthracene	228	Compound Not Detected.					
28	Chrysene	228	Compound Not Detected.					
29	Benzo(b)fluoranthene	252	Compound Not Detected.					
30	Benzo(k)fluoranthene	252	Compound Not Detected.					
31	Benzo(a)pyrene	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
34 Indeno(1,2,3-cd)pyrene	276	20.946	20.951	(1.556)	3321	16.1845	65.2141(Q)
33 Dibenz(a,h)anthracene	278	21.014	21.024	(1.561)	3820	18.8840	76.0914(M)
35 Benzo(g,h,i)perylene	276	21.727	21.732	(1.614)	7404	35.1336	141.568

QC Flag Legend

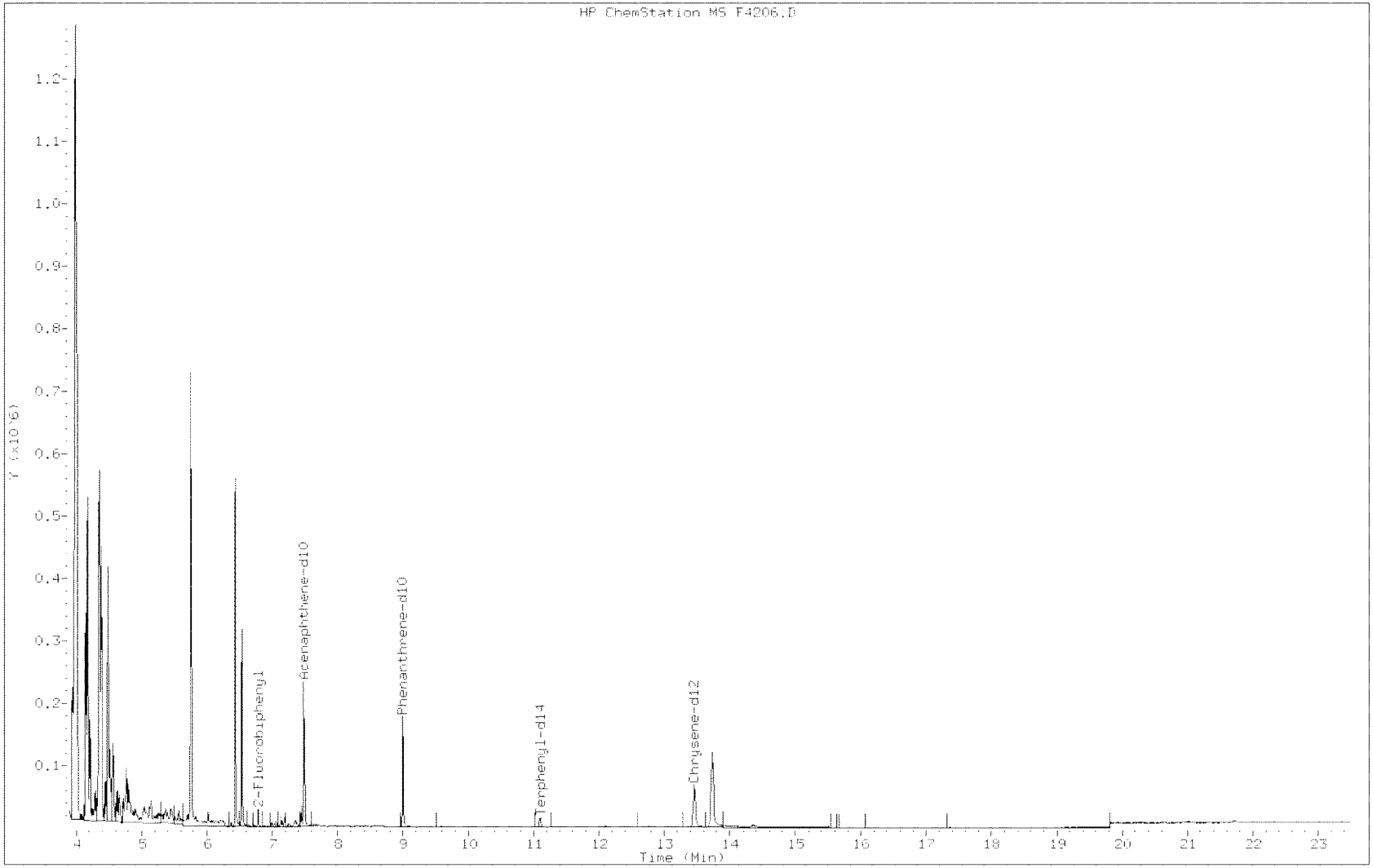
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: F4206.D

Date: 05-MAY-2012 01:07

Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk



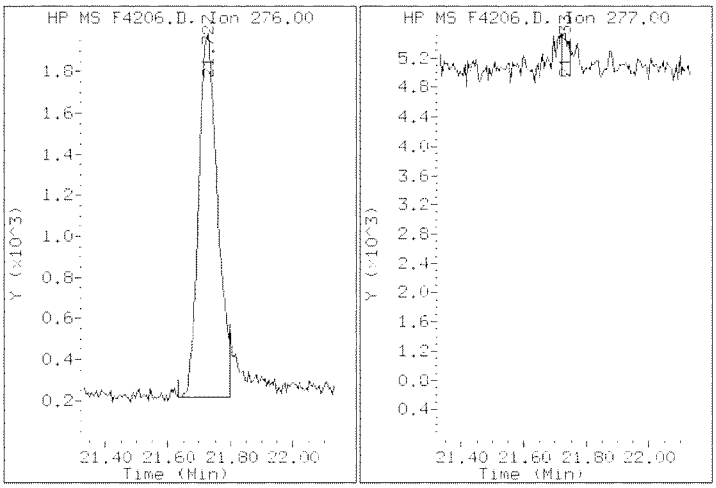
Data File: F4206.D

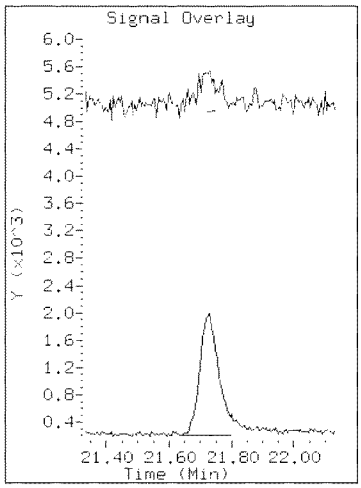
Date: 05-MAY-2012 01:07

Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk

35 Benzo(g,h,i)perylene





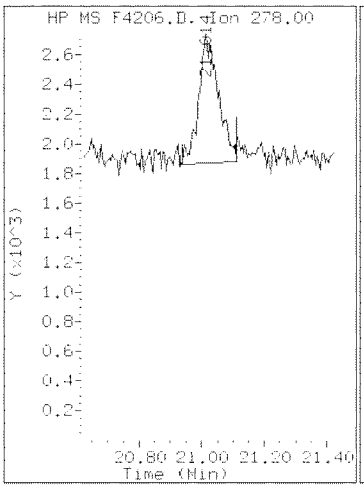
Data File: F4206.D

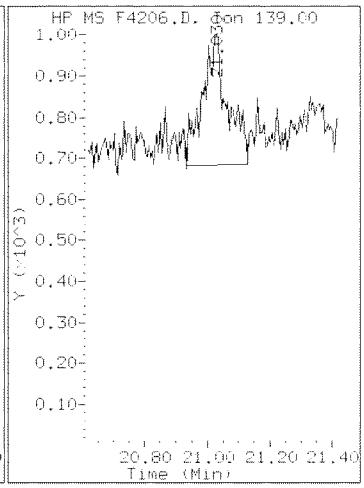
Date: 05-MAY-2012 01:07

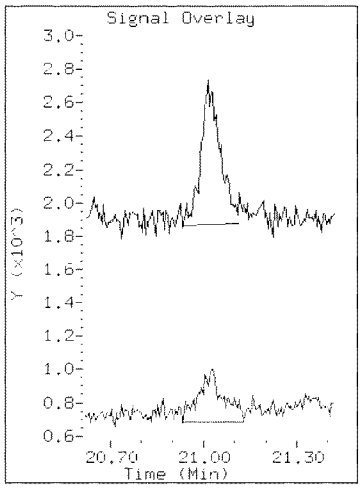
Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk

33 Dibenz(a,h)anthracene







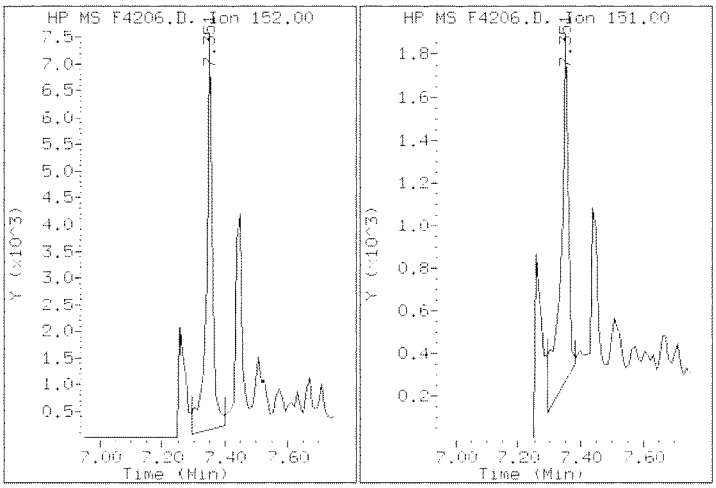
Data File: F4206.D

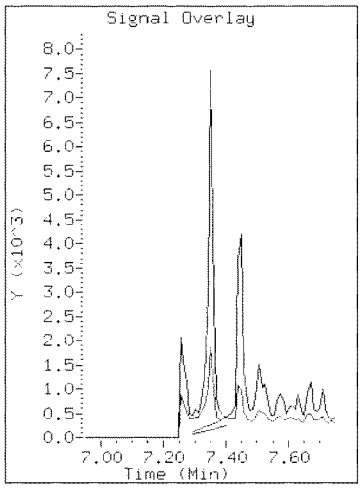
Date: 05-MAY-2012 01:07

Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk

11 Acenaphthylene





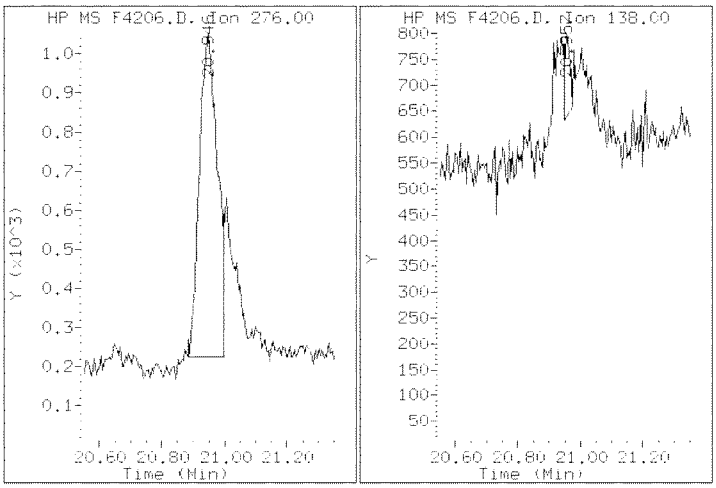
Data File: F4206.D

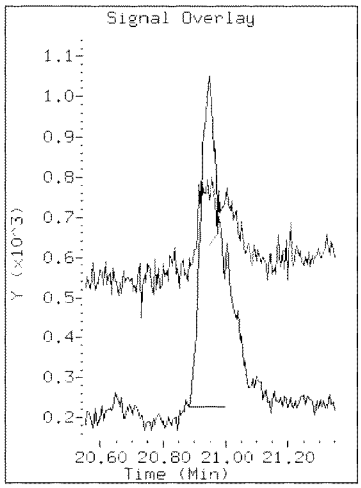
Date: 05-MAY-2012 01:07

Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk

34 Indeno(1,2,3-cd)pyrene





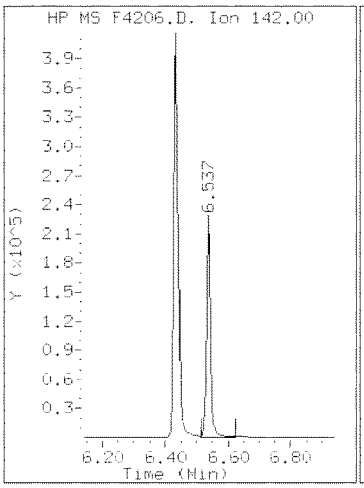
Data File: F4206.D

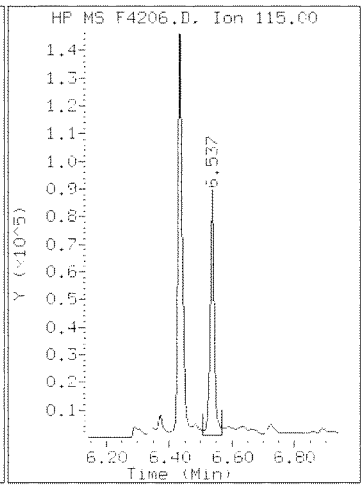
Date: 05-MAY-2012 01:07

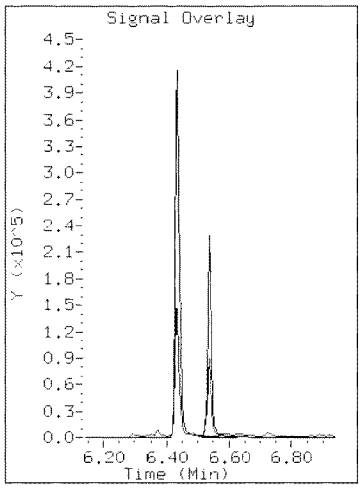
Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk

9 1-Methylnaphthalene







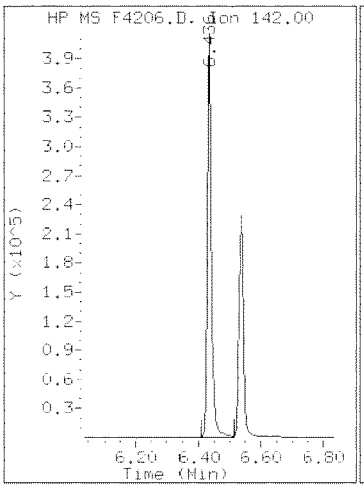
Data File: F4206.D

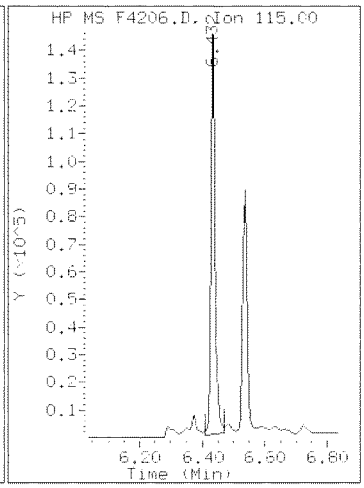
Date: 05-MAY-2012 01:07

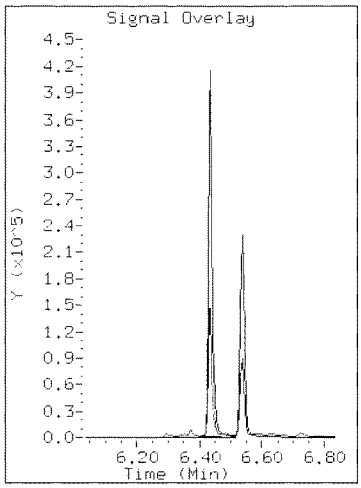
Client ID: MW02 Instrument: F.i

Sample Info: 280-28076-b-1-a,4, Operator: vasquezk

8 2-Methylnaphthalene







Manual Integration Report

Data File: F4206.D
Inj. Date and Time: 05-MAY-2012 01:07
Instrument ID: F.i
Client ID: MW02
Compound: 33 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/07/2012

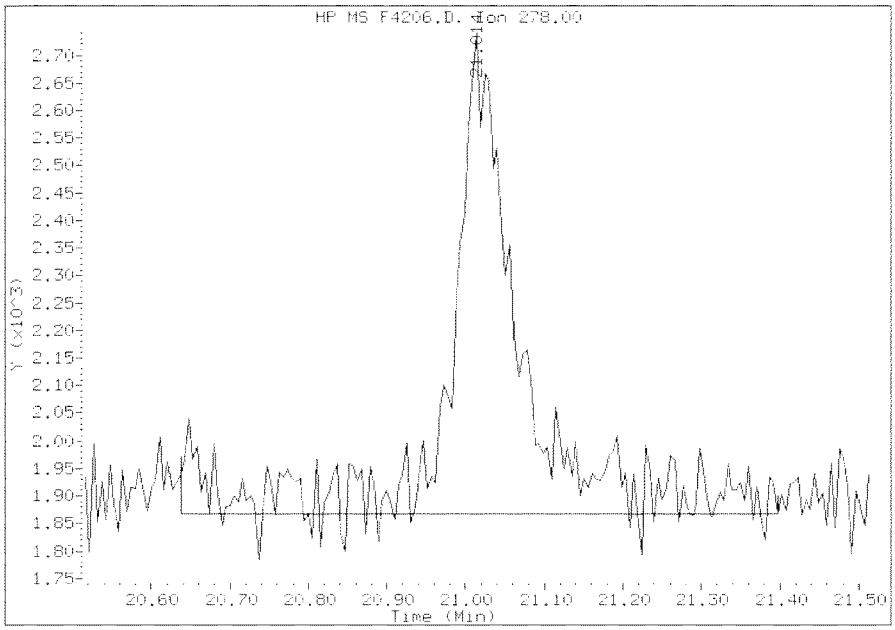
Processing Integration Results

RT: 21.01

Response: 5350

Amount: 26

Conc: 107



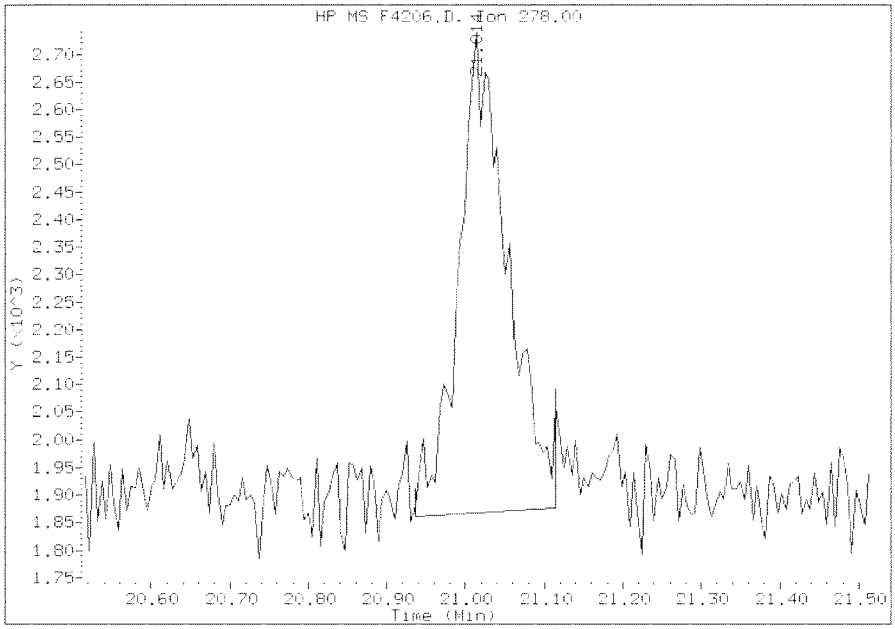
Manual Integration Results

RT: 21.01

Response: 3820

Amount: 19

Conc: 76



Manually Integrated By: vasquezk
Manual Integration Reason: Mis-Integrated

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118415

SDG No.:

Instrument ID: MSS_F | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2012 10:47 | Calibration End Date: 05/01/2012 13:50 | Calibration ID: 9271

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-118415/3	F4124.D
Level 2	IC 280-118415/4	F4125.D
Level 3	IC 280-118415/5	F4126.D
Level 4	ICIS 280-118415/2	F4123.D
Level 5	IC 280-118415/6	F4127.D
Level 6	IC 280-118415/7	F4128.D
Level 7	IC 280-118415/8	F4129.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								
Naphthalene	2.0654 2.1743	2.1717 2.0294	2.1638	2.2141	2.1237	Ave		2.1346			0.0500	3.1		15.0			
2-Methylnaphthalene	1.2429 1.3555	1.3361 1.3038	1.3209	1.3727	1.3251	Ave		1.3224			0.0500	3.2		15.0			
1-Methylnaphthalene	1.2191 1.3814	1.4048 1.3345	1.3879	1.4093	1.3566	Ave		1.3562			0.0500	4.9		15.0			
Acenaphthylene	1.8433 2.0000	2.0617 1.9532	2.0102	2.0785	1.9613	Ave		1.9869			0.0500	4.0		15.0			
Acenaphthene	1.1970 1.2795	1.2836 1.2364	1.2507	1.3188	1.2683	Ave		1.2620			0.0500	3.1		15.0			
Dibenzofuran	1.6598 1.7585	1.7554 1.6989	1.7007	1.7928	1.6895	Ave		1.7222			0.0500	2.7		15.0			
Fluorene	1.3351 1.4372	1.3969 1.3657	1.3592	1.4478	1.3992	Ave		1.3916			0.0500	3.0		15.0			
Phenanthrene	1.2073 1.2930	1.2730 1.2258	1.2594	1.2989	1.2707	Ave		1.2612			0.0500	2.7		15.0			
Anthracene	1.1002 1.1751	1.2065 1.1622	1.2100	1.2328	1.2052	Ave		1.1846			0.0500	3.7		15.0			
Fluoranthene	+++++ 1.2756	1.2579 1.2388	1.2577	1.3199	1.2373	Ave		1.2645			0.0500	2.4		15.0			
Pyrene	+++++ 1.3530	1.3212 1.3294	1.3329	1.3832	1.3109	Ave		1.3385			0.0500	1.9		15.0			
Benzo[a]anthracene	1.2943 1.2264	1.2295 1.1846	1.2043	1.2252	1.1957	Ave		1.2228			0.0500	2.9		15.0			
Chrysene	1.2677 1.2042	1.2254 1.1614	1.1958	1.2216	1.1768	Ave		1.2075			0.0500	2.9		15.0			
Benzo[b]fluoranthene	+++++ 0.9903	1.0462 1.0057	1.0408	1.0532	1.0063	Ave		1.0238			0.0500	2.6		15.0			

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

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

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118415

SDG No.:

Instrument ID: MSS_F | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2012 10:47 | Calibration End Date: 05/01/2012 13:50 | Calibration ID: 9271

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								
Benzo[k]fluoranthene	+++++ 1.0491	1.0428 1.0527	1.0402	1.0926	1.0369	Ave		1.0524			0.0500	2.0		15.0			
Benzo[a]pyrene	+++++ 0.9456	1.0214 0.9662	1.0137	1.0045	0.9597	Ave		0.9852			0.0500	3.2		15.0			
Indeno[1,2,3-cd]pyrene	+++++ 0.8219	0.9626 0.8861	0.9502	0.9209	0.8611	Ave		0.9005			0.0500	6.0		15.0			
Dibenz(a,h)anthracene	+++++ 0.8177	0.9552 0.8627	0.9335	0.9085	0.8488	Ave		0.8877			0.0500	6.0		15.0			
Benzo[g,h,i]perylene	+++++ 0.8262	1.0216 0.8757	1.0006	0.9425	0.8821	Ave		0.9248			0.0500	8.3		15.0			
Nitrobenzene-d5	+++++ 0.7830	0.7223 0.7573	0.7097	0.7975	0.7554	Ave		0.7542			0.0500	4.5		15.0			
2-Fluorobiphenyl	1.2827 1.4101	1.3697 1.3599	1.3509	1.4190	1.3715	Ave		1.3663			0.0500	3.3		15.0			
Terphenyl-d14	0.6626 0.7460	0.7208 0.7299	0.7190	0.7586	0.7191	Ave		0.7223			0.0500	4.2		15.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118415

SDG No.:

Instrument ID: MSS_F | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2012 10:47 | Calibration End Date: 05/01/2012 13:50 | Calibration ID: 9271

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-118415/3	F4124.D
Level 2	IC 280-118415/4	F4125.D
Level 3	IC 280-118415/5	F4126.D
Level 4	ICIS 280-118415/2	F4123.D
Level 5	IC 280-118415/6	F4127.D
Level 6	IC 280-118415/7	F4128.D
Level 7	IC 280-118415/8	F4129.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			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
Naphthalene	ANT	Ave	4771 769396	33866 1791240	94585	276874	383321	20.0 2500	100 5000	300	600	1200
2-Methylnaphthalene	ANT	Ave	5742 959326	41671 2301592	115475	343302	478350	40.0 5000	200 10000	600	1200	2400
1-Methylnaphthalene	ANT	Ave	2816 488815	21907 1177910	60668	176228	244854	20.0 2500	100 5000	300	600	1200
Acenaphthylene	ANT	Ave	4258 707725	32150 1724067	87869	259917	353999	20.0 2500	100 5000	300	600	1200
Acenaphthene	ANT	Ave	2765 452755	20017 1091321	54670	164916	228928	20.0 2500	100 5000	300	600	1200
Dibenzofuran	ANT	Ave	3834 622276	27374 1499596	74341	224187	304946	20.0 2500	100 5000	300	600	1200
Fluorene	ANT	Ave	3084 508588	21783 1205497	59412	181046	252546	20.0 2500	100 5000	300	600	1200
Phenanthrene	PHN	Ave	4519 723542	31996 1720516	84547	264207	368376	20.0 2500	100 5000	300	600	1200
Anthracene	PHN	Ave	4118 657553	30324 1631318	81236	250773	349381	20.0 2500	100 5000	300	600	1200
Fluoranthene	PHN	Ave	+++++ 713771	31617 1738759	84435	268491	358669	+++++ 2500	100 5000	300	600	1200
Pyrene	PHN	Ave	+++++ 757099	33209 1865993	89486	281365	380029	+++++ 2500	100 5000	300	600	1200
Benzo[a]anthracene	CRY	Ave	4374 624744	27598 1586944	74329	236669	316342	20.0 2500	100 5000	300	600	1200
Chrysene	CRY	Ave	4284 613453	27506 1555821	73804	235972	311337	20.0 2500	100 5000	300	600	1200
Benzo[b]fluoranthene	CRY	Ave	+++++ 504506	23484 1347186	64237	203456	266245	+++++ 2500	100 5000	300	600	1200
Benzo[k]fluoranthene	CRY	Ave	+++++ 534447	23408 1410145	64201	211064	274335	+++++ 2500	100 5000	300	600	1200

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 118415

SDG No.:

Instrument ID: MSS_F | GC Column: Vf-5MS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2012 10:47 | Calibration End Date: 05/01/2012 13:50 | Calibration ID: 9271

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			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
Benzo[a]pyrene	CRY	Ave	+++++ 481701	22927 1294334	62567	194049	253893	+++++ 2500	100 5000	300	600	1200
Indeno[1,2,3-cd]pyrene	CRY	Ave	+++++ 418713	21608 1187059	58650	177884	227808	+++++ 2500	100 5000	300	600	1200
Dibenz(a,h)anthracene	CRY	Ave	+++++ 416549	21441 1155612	57614	175488	224574	+++++ 2500	100 5000	300	600	1200
Benzo[g,h,i]perylene	CRY	Ave	+++++ 420899	22933 1173144	61758	182066	233364	+++++ 2500	100 5000	300	600	1200
Nitrobenzene-d5	ANT	Ave	+++++ 277088	11263 668406	31023	99733	136341	+++++ 2500	100 5000	300	600	1200
2-Fluorobiphenyl	ANT	Ave	2963 498992	21359 1200335	59052	177441	247550	20.0 2500	100 5000	300	600	1200
Terphenyl-d14	PHN	Ave	2480 417461	18118 1024512	48267	154304	208452	20.0 2500	100 5000	300	600	1200

Curve Type Legend:
Ave = Average ISTD

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4123.D
Lab Smp Id: ICIS-1316929
Inj Date : 01-MAY-2012 10:47
Operator : vasquezk Inst ID: F.i
Smp Info : ICIS-1316929,,SIM0600
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.525	7.525	(1.000)	125050	600.000	
* 19	Phenanthrene-d10	188	9.039	9.039	(1.000)	203410	600.000	
* 27	Chrysene-d12	240	13.548	13.548	(1.000)	193172	600.000	
$ 4	Nitrobenzene-d5	82	5.074	5.074	(0.674)	99733	600.000	634.484
$ 10	2-Fluorobiphenyl	172	6.820	6.820	(0.906)	177441	600.000	623.143
$ 24	Terphenyl-d14	244	11.159	11.159	(1.235)	154304	600.000	630.155
6	Naphthalene	128	5.794	5.794	(0.770)	276874	600.000	622.338
8	2-Methylnaphthalene	142	6.471	6.471	(0.860)	343302	1200.00	1245.59
9	1-Methylnaphthalene	142	6.575	6.575	(0.874)	176228	600.000	623.468
11	Acenaphthylene	152	7.389	7.389	(0.982)	259917	600.000	627.666
13	Acenaphthene	153	7.554	7.554	(1.004)	164916	600.000	626.983
14	Dibenzofuran	168	7.739	7.739	(1.028)	224187	600.000	624.577
15	Fluorene	166	8.078	8.078	(1.074)	181046	600.000	624.232
20	Phenanthrene	178	9.056	9.056	(1.002)	264207	600.000	617.948
21	Anthracene	178	9.117	9.117	(1.009)	250773	600.000	624.442
22	Fluoranthene	202	10.566	10.566	(1.169)	268491	600.000	626.296
23	Pyrene	202	10.955	10.955	(1.212)	281365	600.000	620.070
26	Benzo(a)anthracene	228	13.519	13.519	(0.998)	236669	600.000	601.144
28	Chrysene	228	13.616	13.616	(1.005)	235972	600.000	606.972
29	Benzo(b)fluoranthene	252	16.625	16.625	(1.227)	203456	600.000	617.280
30	Benzo(k)fluoranthene	252	16.708	16.708	(1.233)	211064	600.000	622.943
31	Benzo(a)pyrene	252	17.635	17.635	(1.302)	194049	600.000	611.794

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	177884	600.000	613.585
33 Dibenz(a,h)anthracene	278	21.145	21.145	(1.561)	175488	600.000	614.023
35 Benzo(g,h,i)perylene	276	21.858	21.858	(1.613)	182066	600.000	611.493

Data File: F4123.D

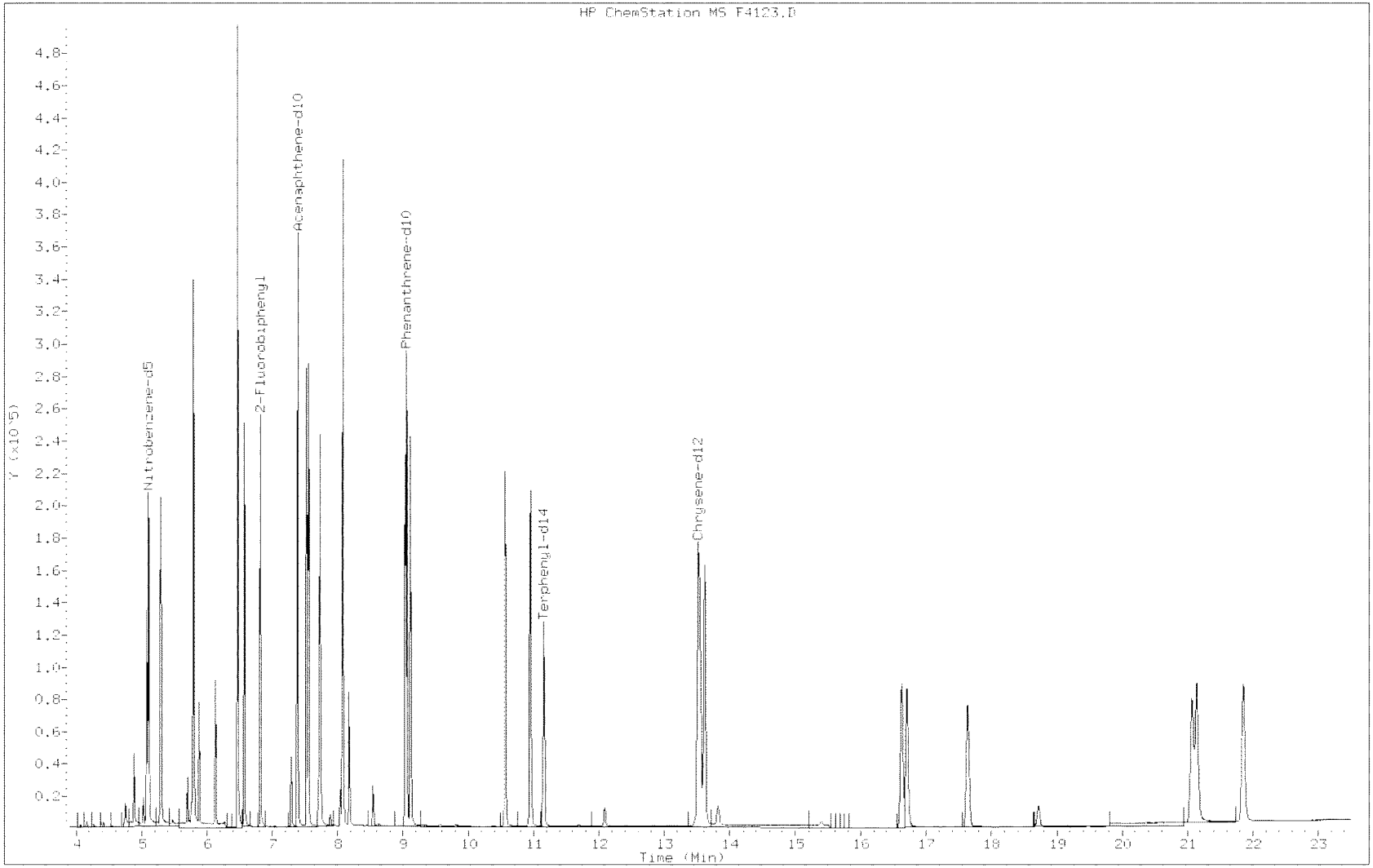
Date: 01-MAY-2012 10:47

Client ID:

Instrument: F.i

Sample Info: ICIS-1316929,,SIM0600

Operator: vasquezk



TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4124.D
Lab Smp Id: IC-1316926
Inj Date : 01-MAY-2012 11:20
Operator : vasquezk Inst ID: F.i
Smp Info : IC-1316926,,SIM0020
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 10:47 Cal File: F4123.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.527	7.527	(1.000)	69298	600.000	
* 19	Phenanthrene-d10	188	9.041	9.041	(1.000)	112289	600.000	
* 27	Chrysene-d12	240	13.551	13.551	(1.000)	101384	600.000	
$ 4	Nitrobenzene-d5	82	Compound Not Detected.					
$ 10	2-Fluorobiphenyl	172	6.822	6.822	(0.906)	2963	20.0000	18.7771
$ 24	Terphenyl-d14	244	11.162	11.162	(1.235)	2480	20.0000	18.3467
6	Naphthalene	128	5.796	5.796	(0.770)	4771	20.0000	19.3516(TQ)
8	2-Methylnaphthalene	142	6.473	6.473	(0.860)	5742	40.0000	37.5946
9	1-Methylnaphthalene	142	6.573	6.573	(0.873)	2816	20.0000	17.9777
11	Acenaphthylene	152	7.391	7.391	(0.982)	4258	20.0000	18.5551
13	Acenaphthene	153	7.556	7.556	(1.004)	2765	20.0000	18.9693
14	Dibenzofuran	168	7.731	7.731	(1.027)	3834	20.0000	19.2748
15	Fluorene	166	8.080	8.080	(1.074)	3084	20.0000	19.1882
20	Phenanthrene	178	9.058	9.058	(1.002)	4519	20.0000	19.1463
21	Anthracene	178	9.110	9.110	(1.008)	4118	20.0000	18.5752
22	Fluoranthene	202	10.569	10.569	(1.169)	4545	20.0000	19.2052
23	Pyrene	202	10.948	10.948	(1.211)	4933	20.0000	19.6932
26	Benzo(a)anthracene	228	13.522	13.522	(0.998)	4374	20.0000	21.1685
28	Chrysene	228	13.619	13.619	(1.005)	4284	20.0000	20.9958
29	Benzo(b)fluoranthene	252	16.628	16.628	(1.227)	6519	20.0000	37.6849
30	Benzo(k)fluoranthene	252	16.705	16.705	(1.233)	6011	20.0000	33.8030
31	Benzo(a)pyrene	252	17.636	17.636	(1.301)	6598	20.0000	39.6352(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.072	21.072	(1.555)	7152	20.0000	47.0046
33 Dibenz(a,h)anthracene	278	21.145	21.145	(1.560)	6690	20.0000	44.6003
35 Benzo(g,h,i)perylene	276	21.858	21.858	(1.613)	8260	20.0000	52.8588

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

Data File: F4124.D

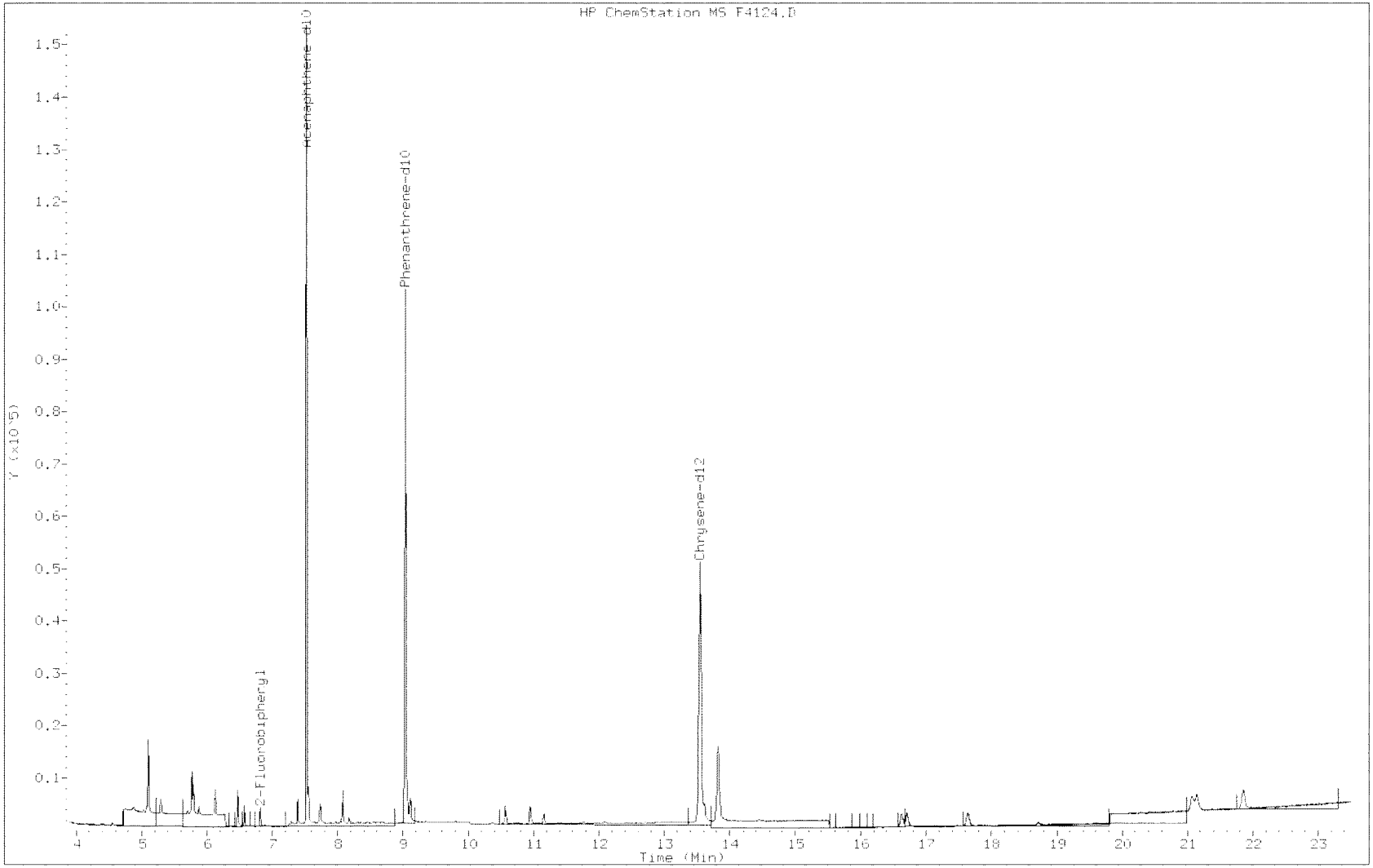
Date: 01-MAY-2012 11:20

Client ID:

Instrument: F.i

Sample Info: IC-1316926,,SIM0020

Operator: vasquezk



TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4125.D
Lab Smp Id: IC-1316927
Inj Date : 01-MAY-2012 11:50
Operator : vasquezk Inst ID: F.i
Smp Info : IC-1316927,,SIM0100
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 11:20 Cal File: F4124.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.525	7.525	(1.000)	93565	600.000	
* 19	Phenanthrene-d10	188	9.031	9.031	(1.000)	150808	600.000	
* 27	Chrysene-d12	240	13.549	13.549	(1.000)	134684	600.000	
$ 4	Nitrobenzene-d5	82	5.074	5.074	(0.674)	11263	100.000	95.7649
$ 10	2-Fluorobiphenyl	172	6.820	6.820	(0.906)	21359	100.000	100.250
$ 24	Terphenyl-d14	244	11.160	11.160	(1.236)	18118	100.000	99.7996
6	Naphthalene	128	5.794	5.794	(0.770)	33866	100.000	101.737
8	2-Methylnaphthalene	142	6.470	6.470	(0.860)	41671	200.000	202.071
9	1-Methylnaphthalene	142	6.571	6.571	(0.873)	21907	100.000	103.584
11	Acenaphthylene	152	7.389	7.389	(0.982)	32150	100.000	103.764
13	Acenaphthene	153	7.554	7.554	(1.004)	20017	100.000	101.710
14	Dibenzofuran	168	7.738	7.738	(1.028)	27374	100.000	101.926
15	Fluorene	166	8.078	8.078	(1.074)	21783	100.000	100.379
20	Phenanthrene	178	9.057	9.057	(1.003)	31996	100.000	100.937
21	Anthracene	178	9.109	9.109	(1.009)	30324	100.000	101.846
22	Fluoranthene	202	10.567	10.567	(1.170)	31617	100.000	99.4760
23	Pyrene	202	10.946	10.946	(1.212)	33209	100.000	98.7131
26	Benzo(a)anthracene	228	13.520	13.520	(0.998)	27598	100.000	100.541
28	Chrysene	228	13.617	13.617	(1.005)	27506	100.000	101.476
29	Benzo(b)fluoranthene	252	16.626	16.626	(1.227)	23484	100.000	102.191
30	Benzo(k)fluoranthene	252	16.701	16.701	(1.233)	23408	100.000	99.0893
31	Benzo(a)pyrene	252	17.634	17.634	(1.301)	22927	100.000	103.674

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	21608	100.000	106.901
33 Dibenz(a,h)anthracene	278	21.144	21.144	(1.561)	21441	100.000	107.600
35 Benzo(g,h,i)perylene	276	21.852	21.852	(1.613)	22933	100.000	110.472

Data File: F4125.D

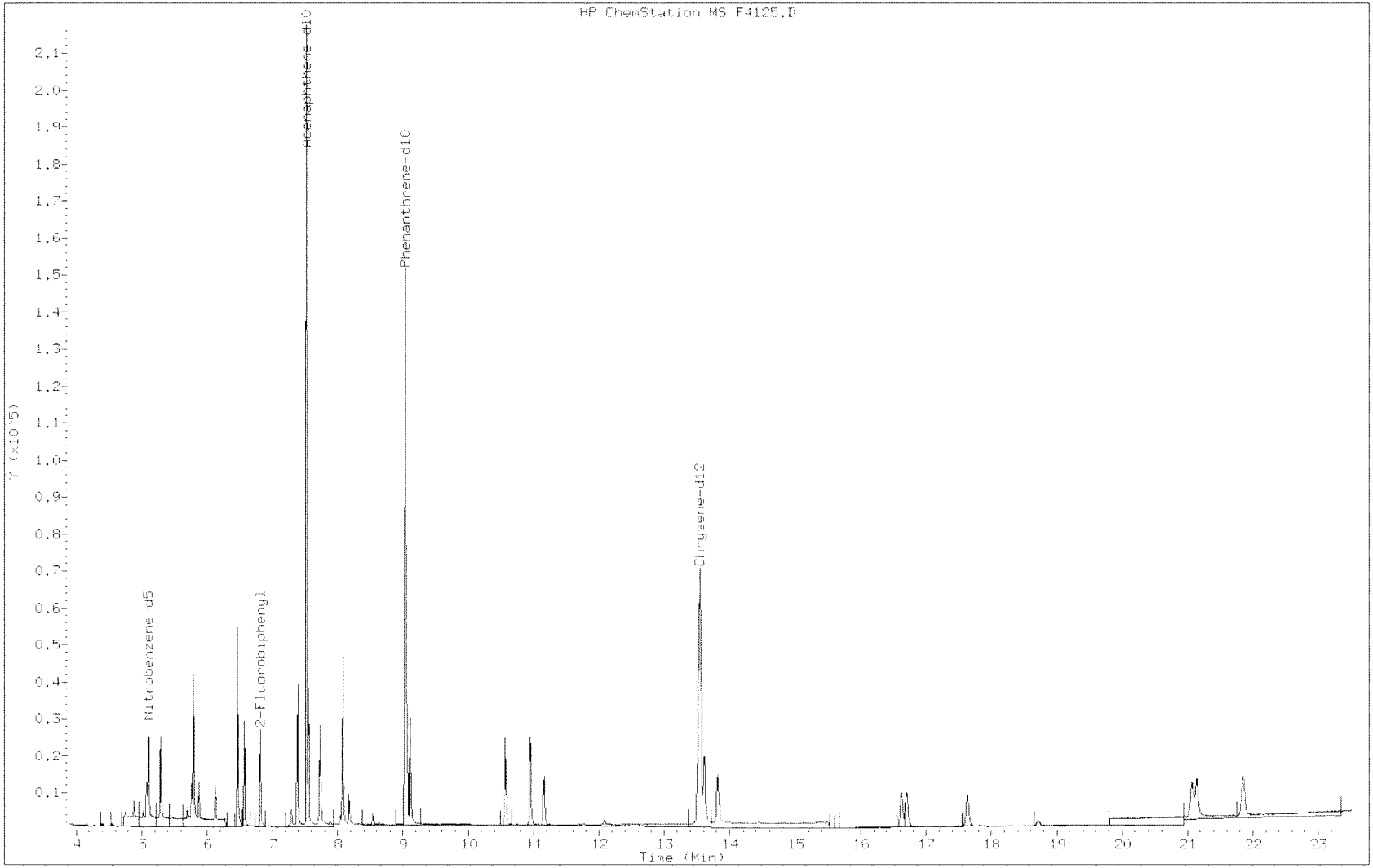
Date: 01-MAY-2012 11:50

Client ID:

Instrument: F.i

Sample Info: IC-1316927,,SIM0100

Operator: vasquezk



TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4126.D
Lab Smp Id: IC-1316928
Inj Date : 01-MAY-2012 12:20
Operator : vasquezk Inst ID: F.i
Smp Info : IC-1316928,,SIM0300
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 11:50 Cal File: F4125.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.525	7.525	(1.000)	87423	600.000	
* 19	Phenanthrene-d10	188	9.039	9.039	(1.000)	134269	600.000	
* 27	Chrysene-d12	240	13.548	13.548	(1.000)	123442	600.000	
$ 4	Nitrobenzene-d5	82	5.074	5.074	(0.674)	31023	300.000	282.308
$ 10	2-Fluorobiphenyl	172	6.820	6.820	(0.906)	59052	300.000	296.638
$ 24	Terphenyl-d14	244	11.159	11.159	(1.235)	48267	300.000	298.619
6	Naphthalene	128	5.794	5.794	(0.770)	94585	300.000	304.106
8	2-Methylnaphthalene	142	6.470	6.470	(0.860)	115475	600.000	599.302
9	1-Methylnaphthalene	142	6.571	6.571	(0.873)	60668	300.000	307.013
11	Acenaphthylene	152	7.389	7.389	(0.982)	87869	300.000	303.520
13	Acenaphthene	153	7.554	7.554	(1.004)	54670	300.000	297.304
14	Dibenzofuran	168	7.729	7.729	(1.027)	74341	300.000	296.252
15	Fluorene	166	8.078	8.078	(1.074)	59412	300.000	293.014
20	Phenanthrene	178	9.056	9.056	(1.002)	84547	300.000	299.573
21	Anthracene	178	9.108	9.108	(1.008)	81236	300.000	306.448
22	Fluoranthene	202	10.566	10.566	(1.169)	84435	300.000	298.380
23	Pyrene	202	10.945	10.945	(1.211)	89486	300.000	298.760
26	Benzo(a)anthracene	228	13.519	13.519	(0.998)	74329	300.000	295.445
28	Chrysene	228	13.616	13.616	(1.005)	73804	300.000	297.077
29	Benzo(b)fluoranthene	252	16.622	16.622	(1.227)	64237	300.000	304.985
30	Benzo(k)fluoranthene	252	16.700	16.700	(1.233)	64201	300.000	296.522
31	Benzo(a)pyrene	252	17.628	17.628	(1.301)	62567	300.000	308.689

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	58650	300.000	316.582
33 Dibenz(a,h)anthracene	278	21.134	21.134	(1.560)	57614	300.000	315.461
35 Benzo(g,h,i)perylene	276	21.853	21.853	(1.613)	61758	300.000	324.591

Data File: F4126.D

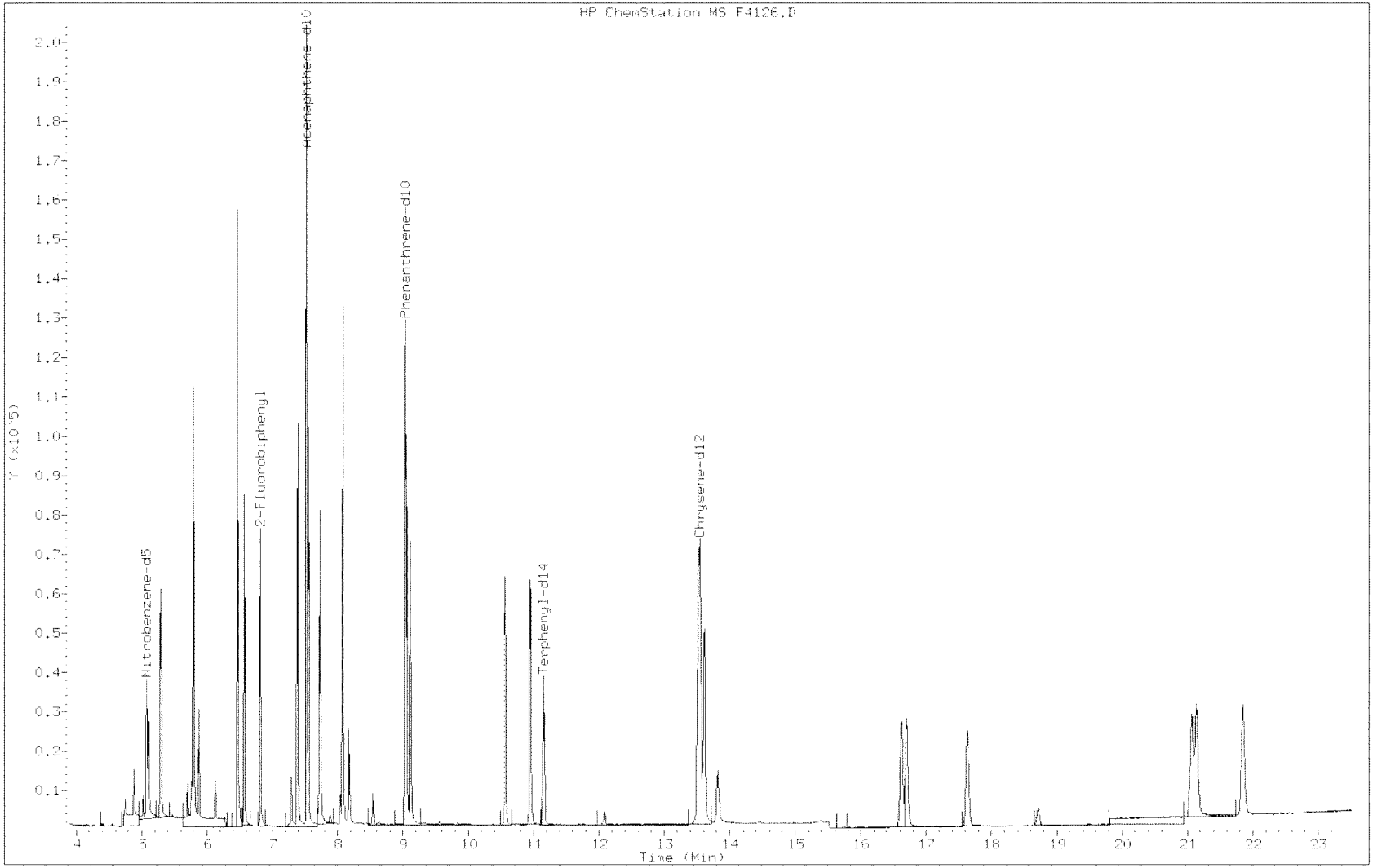
Date: 01-MAY-2012 12:20

Client ID:

Instrument: F.i

Sample Info: IC-1316928,,SIM0300

Operator: vasquezk



TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4127.D
Lab Smp Id: IC-1316930
Inj Date : 01-MAY-2012 12:50
Operator : vasquezk Inst ID: F.i
Smp Info : IC-1316930,,SIM1200
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 12:20 Cal File: F4126.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.525	7.525	(1.000)	90247	600.000	
* 19	Phenanthrene-d10	188	9.039	9.039	(1.000)	144945	600.000	
* 27	Chrysene-d12	240	13.548	13.548	(1.000)	132284	600.000	
$ 4	Nitrobenzene-d5	82	5.074	5.074	(0.674)	136341	1200.00	1201.88
$ 10	2-Fluorobiphenyl	172	6.816	6.816	(0.906)	247550	1200.00	1204.61
$ 24	Terphenyl-d14	244	11.159	11.159	(1.235)	208452	1200.00	1194.66
6	Naphthalene	128	5.794	5.794	(0.770)	383321	1200.00	1193.87
8	2-Methylnaphthalene	142	6.471	6.471	(0.860)	478350	2400.00	2404.89
9	1-Methylnaphthalene	142	6.571	6.571	(0.873)	244854	1200.00	1200.32
11	Acenaphthylene	152	7.389	7.389	(0.982)	353999	1200.00	1184.53
13	Acenaphthene	153	7.554	7.554	(1.004)	228928	1200.00	1205.99
14	Dibenzofuran	168	7.729	7.729	(1.027)	304946	1200.00	1177.20
15	Fluorene	166	8.078	8.078	(1.074)	252546	1200.00	1206.56
20	Phenanthrene	178	9.056	9.056	(1.002)	368376	1200.00	1209.12
21	Anthracene	178	9.108	9.108	(1.008)	349381	1200.00	1220.90
22	Fluoranthene	202	10.566	10.566	(1.169)	358669	1200.00	1174.12
23	Pyrene	202	10.945	10.945	(1.211)	380029	1200.00	1175.32
26	Benzo(a)anthracene	228	13.519	13.519	(0.998)	316342	1200.00	1173.36
28	Chrysene	228	13.616	13.616	(1.005)	311337	1200.00	1169.44
29	Benzo(b)fluoranthene	252	16.620	16.620	(1.227)	266245	1200.00	1179.59
30	Benzo(k)fluoranthene	252	16.705	16.705	(1.233)	274335	1200.00	1182.37
31	Benzo(a)pyrene	252	17.628	17.628	(1.301)	253893	1200.00	1168.91

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	227808	1200.00	1147.48
33 Dibenz(a,h)anthracene	278	21.140	21.140	(1.560)	224574	1200.00	1147.45
35 Benzo(g,h,i)perylene	276	21.853	21.853	(1.613)	233364	1200.00	1144.55

Data File: F4127.D

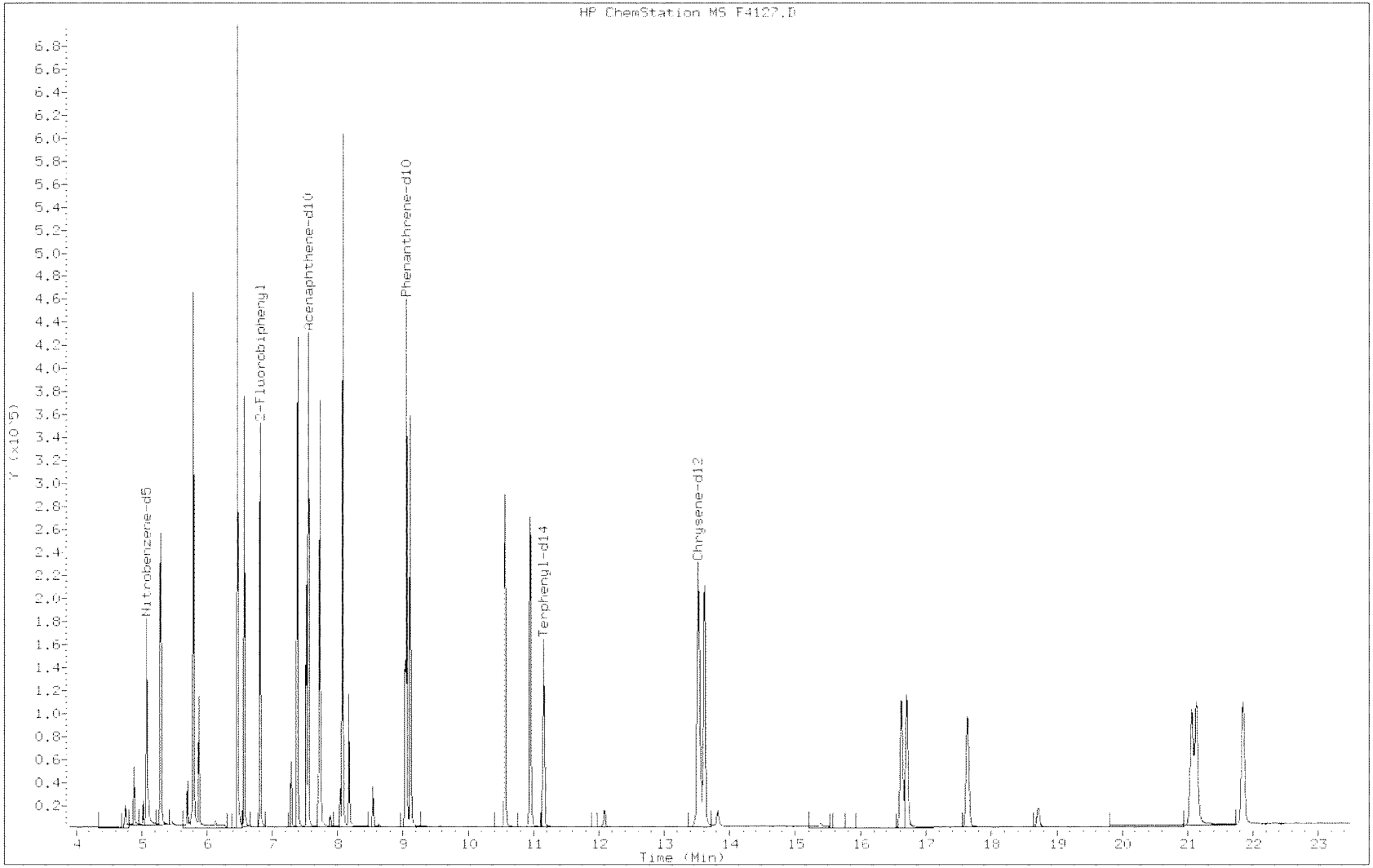
Date: 01-MAY-2012 12:50

Client ID:

Instrument: F.i

Sample Info: IC-1316930,,SIM1200

Operator: vasquezk



TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4128.D
Lab Smp Id: IC-1316931
Inj Date : 01-MAY-2012 13:20
Operator : vasquezk Inst ID: F.i
Smp Info : IC-1316931,,SIM2500
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 12:50 Cal File: F4127.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.525	7.525	(1.000)	84928	600.000	
* 19	Phenanthrene-d10	188	9.030	9.030	(1.000)	134295	600.000	
* 27	Chrysene-d12	240	13.548	13.548	(1.000)	122264	600.000	
$ 4	Nitrobenzene-d5	82	5.074	5.074	(0.674)	277088	2500.00	2595.57
$ 10	2-Fluorobiphenyl	172	6.816	6.816	(0.906)	498992	2500.00	2580.24
$ 24	Terphenyl-d14	244	11.159	11.159	(1.236)	417461	2500.00	2582.25
6	Naphthalene	128	5.794	5.794	(0.770)	769396	2500.00	2546.40
8	2-Methylnaphthalene	142	6.470	6.470	(0.860)	959326	5000.00	5125.05
9	1-Methylnaphthalene	142	6.571	6.571	(0.873)	488815	2500.00	2546.34
11	Acenaphthylene	152	7.389	7.389	(0.982)	707725	2500.00	2516.47
13	Acenaphthene	153	7.554	7.554	(1.004)	452755	2500.00	2534.48
14	Dibenzofuran	168	7.729	7.729	(1.027)	622276	2500.00	2552.65
15	Fluorene	166	8.078	8.078	(1.074)	508588	2500.00	2582.00
20	Phenanthrene	178	9.056	9.056	(1.003)	723542	2500.00	2563.21
21	Anthracene	178	9.108	9.108	(1.009)	657553	2500.00	2480.02
22	Fluoranthene	202	10.566	10.566	(1.170)	713771	2500.00	2521.86
23	Pyrene	202	10.945	10.945	(1.212)	757099	2500.00	2527.18
26	Benzo(a)anthracene	228	13.509	13.509	(0.997)	624744	2500.00	2507.18
28	Chrysene	228	13.616	13.616	(1.005)	613453	2500.00	2493.08
29	Benzo(b)fluoranthene	252	16.620	16.620	(1.227)	504506	2500.00	2418.38
30	Benzo(k)fluoranthene	252	16.702	16.702	(1.233)	534447	2500.00	2492.21
31	Benzo(a)pyrene	252	17.630	17.630	(1.301)	481701	2500.00	2399.48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	418713	2500.00	2281.92
33 Dibenz(a,h)anthracene	278	21.140	21.140	(1.560)	416549	2500.00	2302.76
35 Benzo(g,h,i)perylene	276	21.853	21.853	(1.613)	420899	2500.00	2233.50

Data File: F4128.D

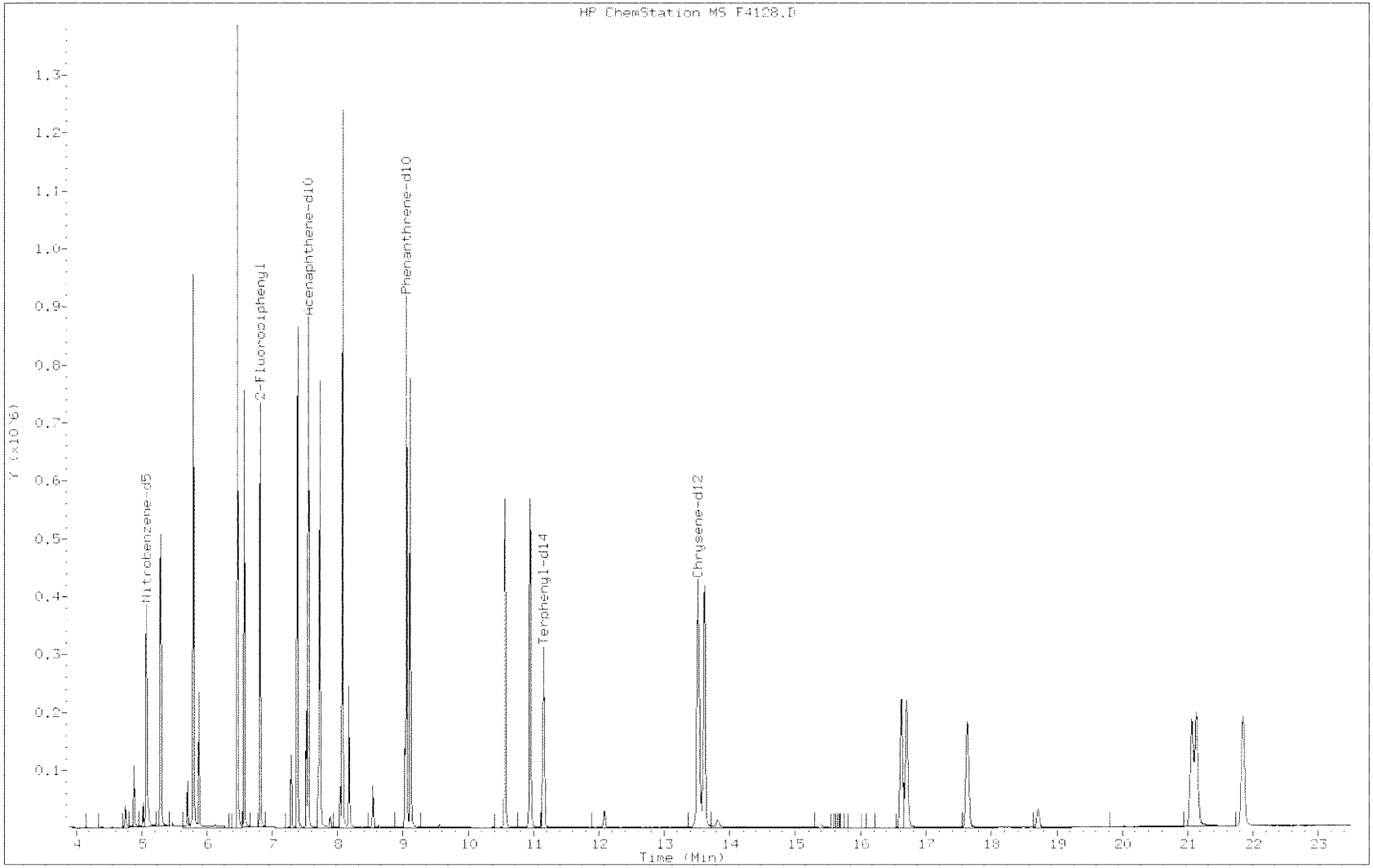
Date: 01-MAY-2012 13:20

Client ID:

Instrument: F.i

Sample Info: IC-1316931,,SIM2500

Operator: vasquezk



TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4129.D
Lab Smp Id: IC-1316932
Inj Date : 01-MAY-2012 13:50
Operator : vasquezk Inst ID: F.i
Smp Info : IC-1316932,,SIM5000
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:20 Cal File: F4128.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
* 12 Acenaphthene-d10	164	7.525	7.525	(1.000)	105920	600.000	
* 19 Phenanthrene-d10	188	9.039	9.039	(1.000)	168433	600.000	
* 27 Chrysene-d12	240	13.548	13.548	(1.000)	160751	600.000	
$ 4 Nitrobenzene-d5	82	5.074	5.074	(0.674)	668406	5000.00	5020.28(A)
$ 10 2-Fluorobiphenyl	172	6.816	6.816	(0.906)	1200335	5000.00	4976.70
$ 24 Terphenyl-d14	244	11.159	11.159	(1.235)	1024512	5000.00	5052.81(A)
6 Naphthalene	128	5.794	5.794	(0.770)	1791240	5000.00	4753.40
8 2-Methylnaphthalene	142	6.470	6.470	(0.860)	2301592	10000.0	9859.01
9 1-Methylnaphthalene	142	6.571	6.571	(0.873)	1177910	5000.00	4919.91
11 Acenaphthylene	152	7.389	7.389	(0.982)	1724067	5000.00	4915.34
13 Acenaphthene	153	7.554	7.554	(1.004)	1091321	5000.00	4898.36
14 Dibenzofuran	168	7.729	7.729	(1.027)	1499596	5000.00	4932.37
15 Fluorene	166	8.078	8.078	(1.074)	1205497	5000.00	4907.14
20 Phenanthrene	178	9.056	9.056	(1.002)	1720516	5000.00	4859.72
21 Anthracene	178	9.108	9.108	(1.008)	1631318	5000.00	4905.63
22 Fluoranthene	202	10.566	10.566	(1.169)	1738759	5000.00	4898.18
23 Pyrene	202	10.945	10.945	(1.211)	1865993	5000.00	4966.22
26 Benzo(a)anthracene	228	13.519	13.519	(0.998)	1586944	5000.00	4843.84
28 Chrysene	228	13.616	13.616	(1.005)	1555821	5000.00	4809.04
29 Benzo(b)fluoranthene	252	16.620	16.620	(1.227)	1347186	5000.00	4911.68
30 Benzo(k)fluoranthene	252	16.703	16.703	(1.233)	1410145	5000.00	5001.36(A)
31 Benzo(a)pyrene	252	17.631	17.631	(1.301)	1294334	5000.00	4903.78

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	1187059	5000.00	4920.40
33 Dibenz(a,h)anthracene	278	21.140	21.140	(1.560)	1155612	5000.00	4858.92
35 Benzo(g,h,i)perylene	276	21.852	21.852	(1.613)	1173144	5000.00	4734.83

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: F4129.D

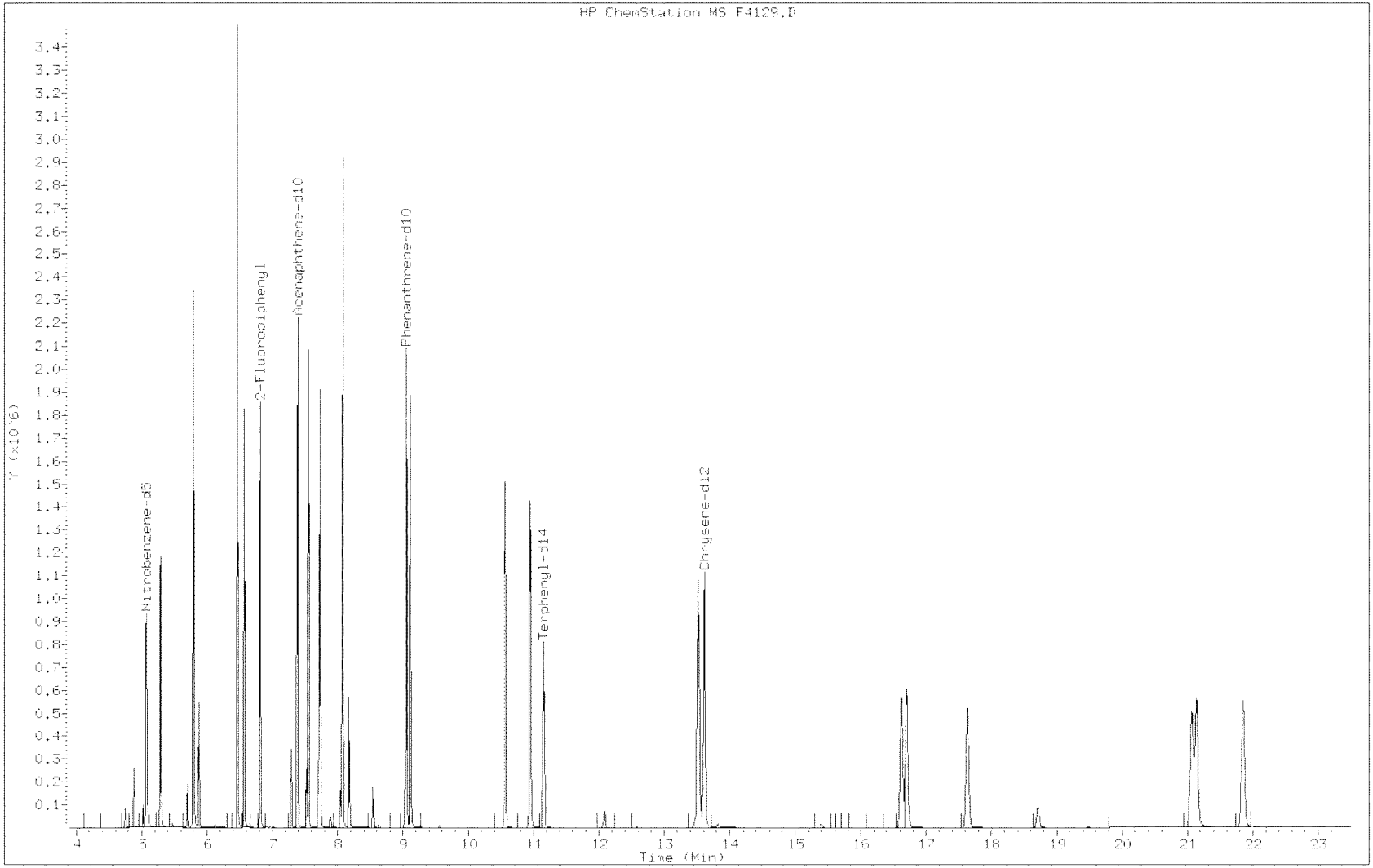
Date: 01-MAY-2012 13:50

Client ID:

Instrument: F.i

Sample Info: IC-1316932,,SIM5000

Operator: vasquezk



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-118415/9 | Calibration Date: 05/01/2012 14:20

Instrument ID: MSS_F | Calib Start Date: 05/01/2012 10:47

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/01/2012 13:50

Lab File ID: F4130.D | Conc. Units: ng/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	2.135	2.127	0.0500	1200000	1200000	-0.4	35.0
2-Methylnaphthalene	Ave	1.322	1.352	0.0500	1230000	1200000	2.2	35.0
1-Methylnaphthalene	Ave	1.356	1.332	0.0500	1180000	1200000	-1.8	35.0
Acenaphthylene	Ave	1.987	2.046	0.0500	1240000	1200000	3.0	35.0
Acenaphthene	Ave	1.262	1.256	0.0500	1190000	1200000	-0.4	35.0
Dibenzofuran	Ave	1.722	1.723	0.0500	1200000	1200000	0.0	35.0
Fluorene	Ave	1.392	1.412	0.0500	1220000	1200000	1.4	35.0
Phenanthrene	Ave	1.261	1.256	0.0500	1200000	1200000	-0.4	35.0
Anthracene	Ave	1.185	1.252	0.0500	1270000	1200000	5.7	35.0
Fluoranthene	Ave	1.265	1.304	0.0500	1240000	1200000	3.1	35.0
Pyrene	Ave	1.338	1.318	0.0500	1180000	1200000	-1.5	35.0
Benzo[a]anthracene	Ave	1.223	1.211	0.0500	1190000	1200000	-0.9	35.0
Chrysene	Ave	1.208	1.205	0.0500	1200000	1200000	-0.3	35.0
Benzo[b]fluoranthene	Ave	1.024	1.033	0.0500	1210000	1200000	0.9	35.0
Benzo[k]fluoranthene	Ave	1.052	1.135	0.0500	1290000	1200000	7.8	35.0
Benzo[a]pyrene	Ave	0.9852	0.9880	0.0500	1200000	1200000	0.3	35.0
Indeno[1,2,3-cd]pyrene	Ave	0.9005	0.9296	0.0500	1240000	1200000	3.2	35.0
Dibenz(a,h)anthracene	Ave	0.8877	0.9640	0.0500	1300000	1200000	8.6	35.0
Benzo[g,h,i]perylene	Ave	0.9248	0.9897	0.0500	1280000	1200000	7.0	35.0
Nitrobenzene-d5	Ave	0.7542	0.7684	0.0500	1220000	1200000	1.9	35.0
2-Fluorobiphenyl	Ave	1.366	1.368	0.0500	1200000	1200000	0.1	35.0
Terphenyl-d14	Ave	0.7223	0.6592	0.0500	1100000	1200000	-8.7	35.0

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4130.D
Lab Smp Id: ICV-1316937
Inj Date : 01-MAY-2012 14:20
Operator : vasquezk Inst ID: F.i
Smp Info : ICV-1316937,,SIMSSV
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\Q1PAHSIM.m
Meth Date : 04-May-2012 13:36 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 9 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIMSSV.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
* 12	Acenaphthene-d10	164	7.525	7.525	(1.000)	107079	600.000	
* 19	Phenanthrene-d10	188	9.039	9.039	(1.000)	170077	600.000	
* 27	Chrysene-d12	240	13.548	13.548	(1.000)	156819	600.000	
$ 4	Nitrobenzene-d5	82	5.074	5.074	(0.674)	164561	1222.61	1222.61
$ 10	2-Fluorobiphenyl	172	6.816	6.816	(0.906)	292959	1201.49	1201.49
$ 24	Terphenyl-d14	244	11.159	11.159	(1.235)	224228	1095.18	1095.18
6	Naphthalene	128	5.794	5.794	(0.770)	455528	1195.75	1195.74
8	2-Methylnaphthalene	142	6.471	6.470	(0.860)	289466	1226.52	1226.52
9	1-Methylnaphthalene	142	6.571	6.571	(0.873)	285278	1178.66	1178.66
11	Acenaphthylene	152	7.389	7.389	(0.982)	438175	1235.72	1235.72
13	Acenaphthene	153	7.554	7.554	(1.004)	269077	1194.67	1194.67
15	Fluorene	166	8.078	8.078	(1.074)	302313	1217.29	1217.29
14	Dibenzofuran	168	7.729	7.729	(1.027)	369070	1200.78	1200.78
20	Phenanthrene	178	9.056	9.056	(1.002)	427396	1195.54	1195.54
21	Anthracene	178	9.108	9.108	(1.008)	425913	1268.41	1268.41
22	Fluoranthene	202	10.566	10.566	(1.169)	443639	1237.67	1237.67
23	Pyrene	202	10.945	10.945	(1.211)	448265	1181.50	1181.50
26	Benzo(a)anthracene	228	13.509	13.519	(0.997)	379945	1188.79	1188.78
28	Chrysene	228	13.616	13.616	(1.005)	377777	1196.99	1196.99
29	Benzo(b)fluoranthene	252	16.619	16.620	(1.227)	323845	1210.30	1210.30
30	Benzo(k)fluoranthene	252	16.700	16.703	(1.233)	355910	1293.96	1293.96
31	Benzo(a)pyrene	252	17.632	17.631	(1.301)	309872	1203.43	1203.43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
34 Indeno(1,2,3-cd)pyrene	276	21.066	21.066	(1.555)	291550	1238.79	1238.78
33 Dibenz(a,h)anthracene	278	21.140	21.140	(1.560)	302346	1303.13	1303.13
35 Benzo(g,h,i)perylene	276	21.847	21.852	(1.613)	310419	1284.27	1284.27

Data File: F4130.D

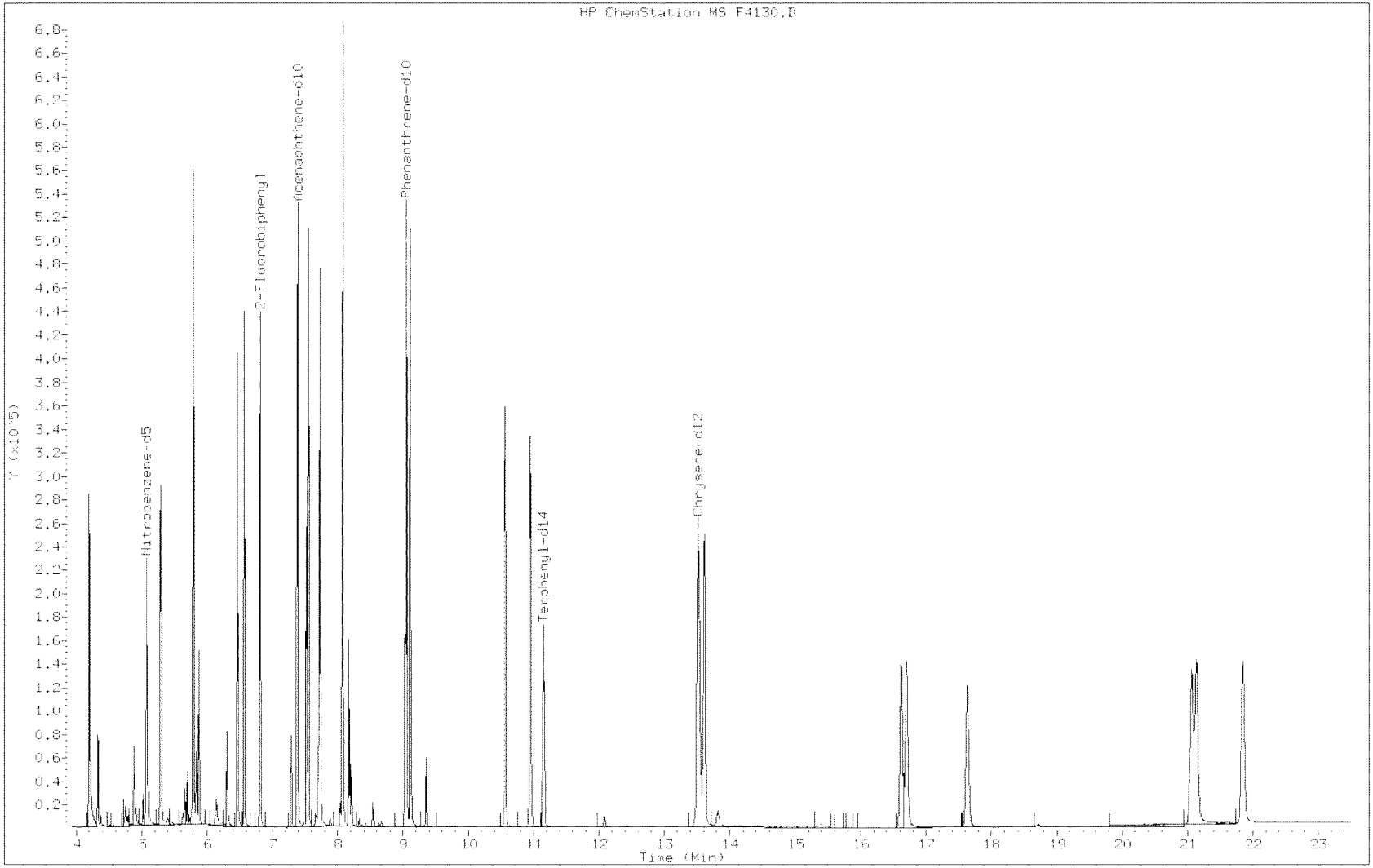
Date: 01-MAY-2012 14:20

Client ID:

Instrument: F.i

Sample Info: ICV-1316937,,SIMSSV

Operator: vasquezk



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-118594/2 | Calibration Date: 05/04/2012 16:04

Instrument ID: MSS_F | Calib Start Date: 05/01/2012 10:47

GC Column: Vf-5MS (30.25) ID: 0.25(mm) | Calib End Date: 05/01/2012 13:50

Lab File ID: F4188.D | Conc. Units: ng/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	2.135	2.157	0.0500	606000	600000	1.1	35.0
2-Methylnaphthalene	Ave	1.322	1.346	0.0500	1220000	1200000	1.8	35.0
1-Methylnaphthalene	Ave	1.356	1.370	0.0500	606000	600000	1.0	35.0
Acenaphthylene	Ave	1.987	2.005	0.0500	606000	600000	0.9	35.0
Acenaphthene	Ave	1.262	1.284	0.0500	611000	600000	1.8	35.0
Dibenzofuran	Ave	1.722	1.771	0.0500	617000	600000	2.8	35.0
Fluorene	Ave	1.392	1.416	0.0500	611000	600000	1.8	35.0
Phenanthrene	Ave	1.261	1.299	0.0500	618000	600000	3.0	35.0
Anthracene	Ave	1.185	1.205	0.0500	610000	600000	1.7	35.0
Fluoranthene	Ave	1.265	1.299	0.0500	616000	600000	2.7	35.0
Pyrene	Ave	1.338	1.445	0.0500	648000	600000	8.0	35.0
Benzo[a]anthracene	Ave	1.223	1.226	0.0500	602000	600000	0.3	35.0
Chrysene	Ave	1.208	1.210	0.0500	601000	600000	0.2	35.0
Benzo[b]fluoranthene	Ave	1.024	0.9843	0.0500	577000	600000	-3.9	35.0
Benzo[k]fluoranthene	Ave	1.052	1.027	0.0500	586000	600000	-2.4	35.0
Benzo[a]pyrene	Ave	0.9852	0.9349	0.0500	569000	600000	-5.1	35.0
Indeno[1,2,3-cd]pyrene	Ave	0.9005	0.8119	0.0500	541000	600000	-9.8	35.0
Dibenz(a,h)anthracene	Ave	0.8877	0.7913	0.0500	535000	600000	-10.9	35.0
Benzo[g,h,i]perylene	Ave	0.9248	0.8368	0.0500	543000	600000	-9.5	35.0
Nitrobenzene-d5	Ave	0.7542	0.7744	0.0500	616000	600000	2.7	35.0
2-Fluorobiphenyl	Ave	1.366	1.396	0.0500	613000	600000	2.1	35.0
Terphenyl-d14	Ave	0.7223	0.7319	0.0500	608000	600000	1.3	35.0

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4188.D
Lab Smp Id: CCV-1316929
Inj Date : 04-MAY-2012 16:04
Operator : vasquezk Inst ID: F.i
Smp Info : CCV-1316929,,SIM0600
Misc Info :
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\Q1PAHSIM.m
Meth Date : 04-May-2012 18:24 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)
* 12	Acenaphthene-d10	164	7.496	7.496	(1.000)	174585	600.000	
* 19	Phenanthrene-d10	188	9.004	9.004	(1.000)	285294	600.000	
* 27	Chrysene-d12	240	13.470	13.470	(1.000)	251626	600.000	
$ 4	Nitrobenzene-d5	82	5.036	5.036	(0.672)	135200	600.000	616.078
$ 10	2-Fluorobiphenyl	172	6.785	6.785	(0.905)	243650	600.000	612.882
$ 24	Terphenyl-d14	244	11.101	11.101	(1.233)	208814	600.000	608.009
6	Naphthalene	128	5.756	5.756	(0.768)	376635	600.000	606.376
8	2-Methylnaphthalene	142	6.435	6.435	(0.859)	469988	1200.00	1221.41
9	1-Methylnaphthalene	142	6.540	6.540	(0.873)	239206	600.000	606.161
11	Acenaphthylene	152	7.350	7.350	(0.981)	350083	600.000	605.538
13	Acenaphthene	153	7.525	7.525	(1.004)	224252	600.000	610.669
14	Dibenzofuran	168	7.700	7.700	(1.027)	309156	600.000	616.921
15	Fluorene	166	8.049	8.049	(1.074)	247294	600.000	610.727
20	Phenanthrene	178	9.022	9.022	(1.002)	370550	600.000	617.922(H)
21	Anthracene	178	9.074	9.074	(1.008)	343738	600.000	610.265
22	Fluoranthene	202	10.518	10.518	(1.168)	370522	600.000	616.231
23	Pyrene	202	10.897	10.897	(1.210)	412334	600.000	647.888
26	Benzo(a)anthracene	228	13.441	13.441	(0.998)	308476	600.000	601.516
28	Chrysene	228	13.538	13.538	(1.005)	304393	600.000	601.079
29	Benzo(b)fluoranthene	252	16.521	16.521	(1.227)	247676	600.000	576.878(H)
30	Benzo(k)fluoranthene	252	16.600	16.600	(1.232)	258437	600.000	585.568
31	Benzo(a)pyrene	252	17.528	17.528	(1.301)	235247	600.000	569.386

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)
34 Indeno(1,2,3-cd)pyrene	276	20.951	20.951	(1.555)	204291	600.000	540.973(H)
33 Dibenz(a,h)anthracene	278	21.024	21.024	(1.561)	199115	600.000	534.847
35 Benzo(g,h,i)perylene	276	21.732	21.732	(1.613)	210550	600.000	542.883

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: F4188.D

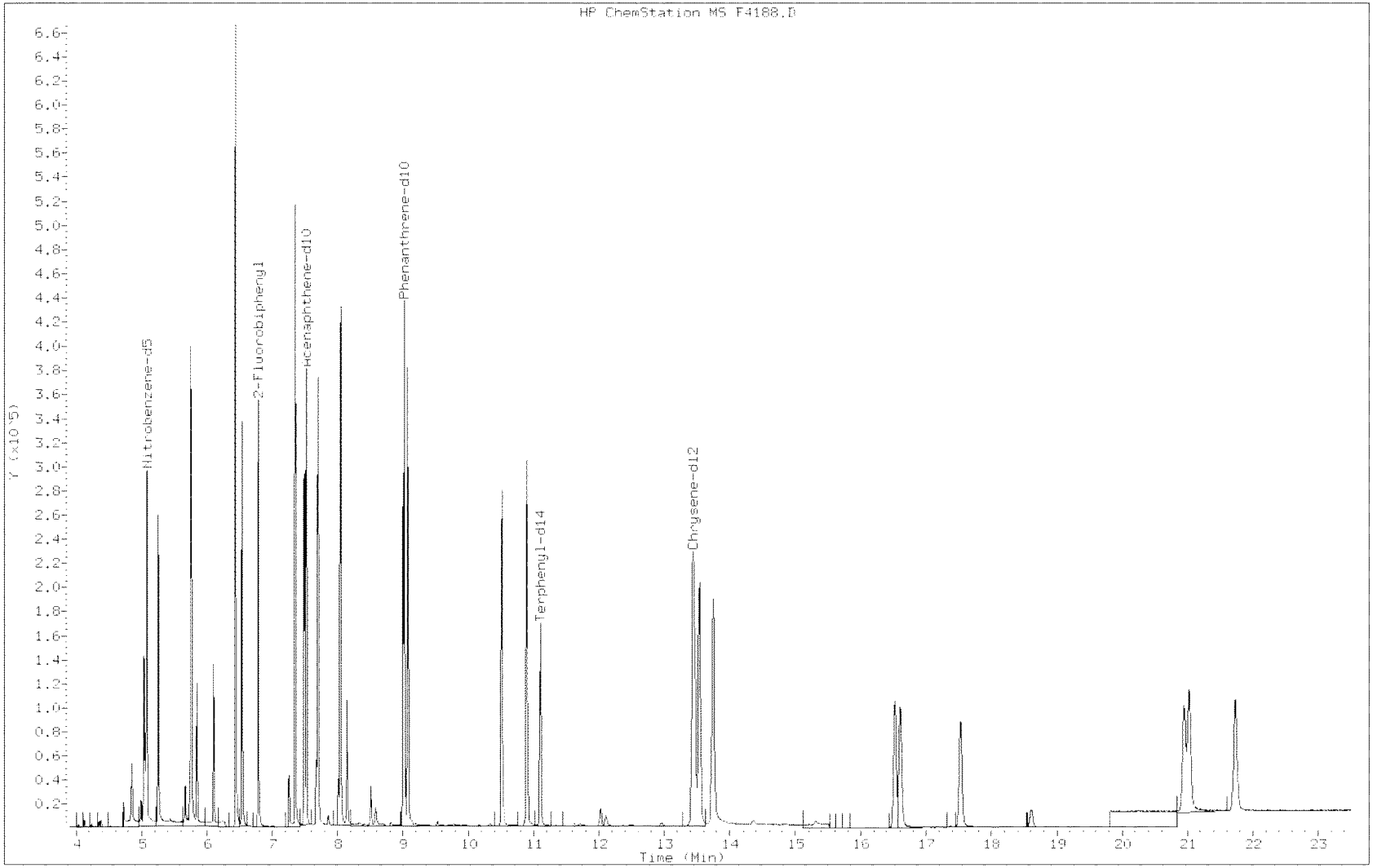
Date: 04-MAY-2012 16:04

Client ID:

Instrument: F.i

Sample Info: CCV-1316929,,SIM0600

Operator: vasquezk



TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4122.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 01-MAY-2012 10:34
Operator : vasquezk Inst ID: F.i
Smp Info : MS-DFTPP_00030,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\F.i\050112.B\dftppB.m
Meth Date : 14-Apr-2012 11:22 ilczyszynd Quant Type: ESTD
Cal Date : 11-AUG-2010 11:36 Cal File: F2652.D
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC365

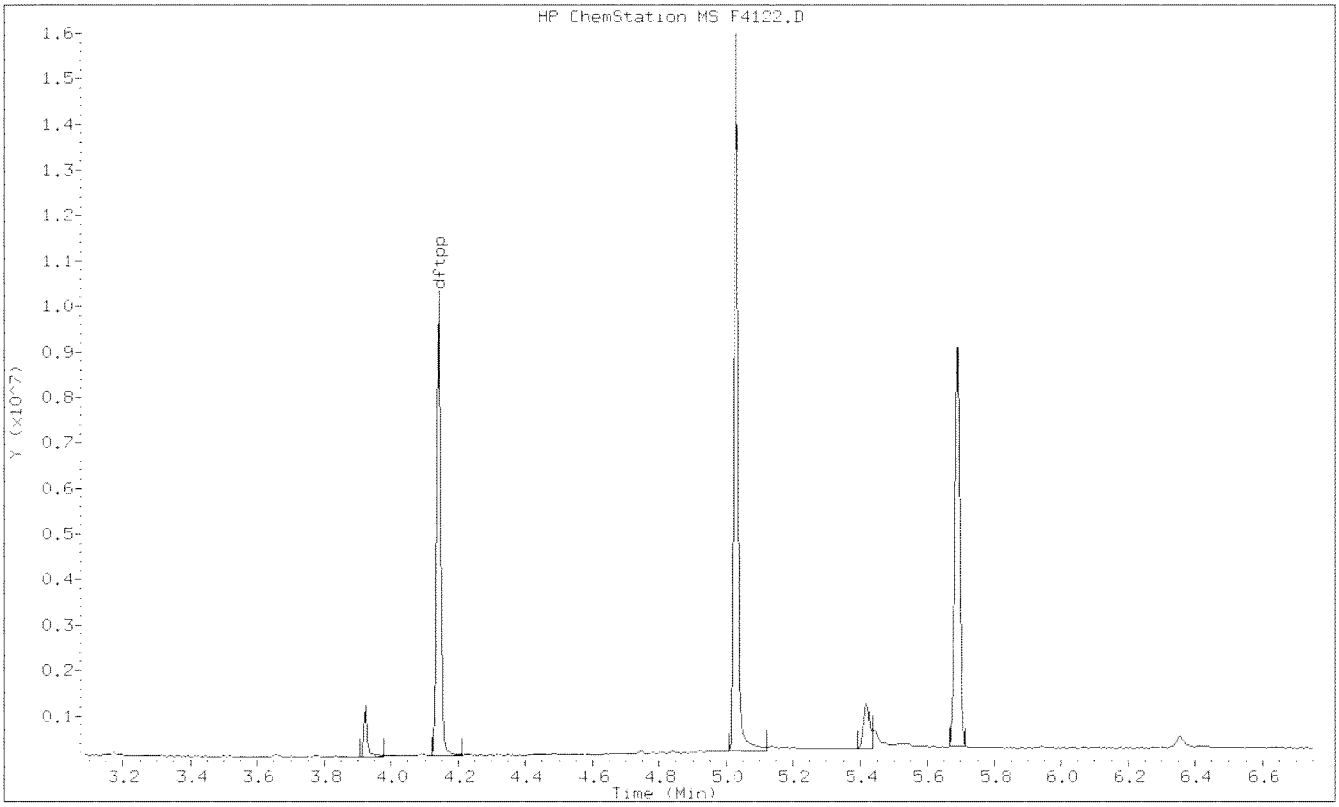
					CONCENTRATIONS			
					ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.143	4.500	-0.357	198	877120			0.00- 100.00	100.00
4.143	4.500	-0.357	51	353472			30.00- 60.00	40.30
4.143	4.500	-0.357	68	0	0.0	0.0	0.00- 2.00	0.00
4.143	4.500	-0.357	69	356224			0.00- 0.00	40.61
4.143	4.500	-0.357	70	1789			0.00- 2.00	0.50
4.143	4.500	-0.357	127	465472			40.00- 60.00	53.07
4.143	4.500	-0.357	197	2276			0.00- 1.00	0.26
4.143	4.500	-0.357	199	58160			5.00- 9.00	6.63
4.143	4.500	-0.357	275	201536			10.00- 30.00	22.98
4.143	4.500	-0.357	365	22408			1.00- 0.00	2.55
4.143	4.500	-0.357	441	91920			0.01- 99.99	76.51
4.143	4.500	-0.357	442	631168			40.00- 100.00	71.96
4.143	4.500	-0.357	443	120144			17.00- 23.00	19.04

Data File: F4122.D

Date: 01-MAY-2012 10:34

Client ID: DFTPP Instrument: F.i

Sample Info: MS-DFTPP_00030,, Operator: vasquezk



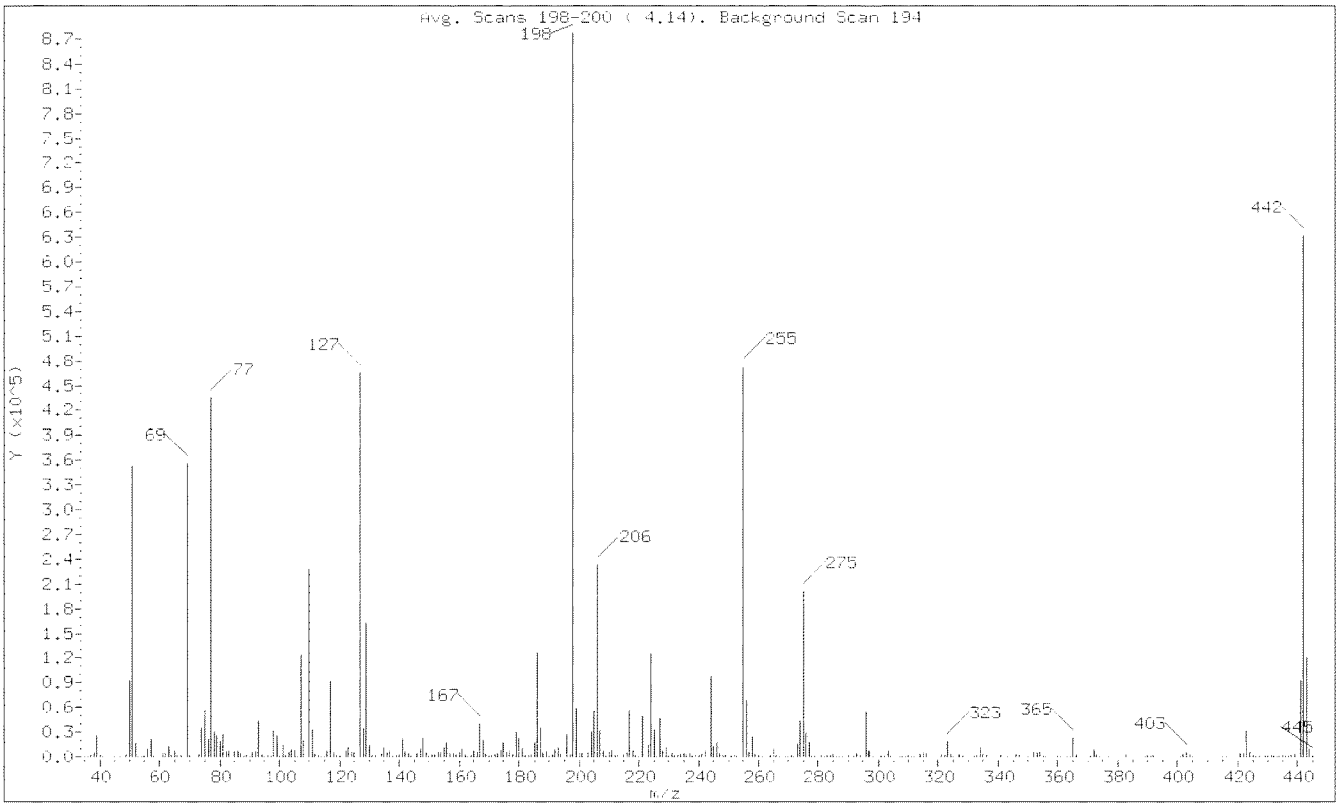
Data File: F4122.D

Date: 01-MAY-2012 10:34

Client ID: DFTPP Instrument: F.i

Sample Info: MS-DFTPP_00030,, Operator: vasquezk

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.30
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.61
70	Less than 2.00% of mass 69	0.20 (0.50)
127	40.00 - 60.00% of mass 198	53.07
197	Less than 1.00% of mass 198	0.26
199	5.00 - 9.00% of mass 198	6.63
275	10.00 - 30.00% of mass 198	22.98
365	Greater than 1.00% of mass 198	2.55
441	Present, but less than mass 443	10.48
442	40.00 - 100.00% of mass 198	71.96
443	17.00 - 23.00% of mass 442	13.70 (19.04)

Data File: F4122.D

Date: 01-MAY-2012 10:34

Client ID: DFTPP Instrument: F.i

Sample Info: MS-DFTPP_00030,, Operator: vasquezk

Data File: \\DenSvr03\Public\chem\MSS\F.i\050112.B\F4122.D
Spectrum: Avg. Scans 198-200 (4.14), Background Scan 194
Location of Maximum: 198.00
Number of points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	1064	132.00	1341	224.00	125528	322.00	941
36.00	125	133.00	188	225.00	33088	323.00	18832
37.00	1530	134.00	4807	226.00	1490	324.00	3579
38.00	4366	135.00	11598	227.00	47456	325.00	598
39.00	26040	136.00	4756	228.00	7209	326.00	355
40.00	884	137.00	7522	229.00	10848	327.00	3572
41.00	112	138.00	2027	230.00	2078	328.00	1410
43.00	624	139.00	1115	231.00	4873	329.00	488
45.00	323	140.00	2221	232.00	1104	330.00	219
46.00	121	141.00	21360	233.00	1165	332.00	1463
47.00	18	142.00	7364	234.00	2719	333.00	1362
48.00	466	143.00	4594	235.00	4043	334.00	10914
49.00	2819	144.00	1301	236.00	2752	335.00	2618
50.00	92024	145.00	412	237.00	3999	336.00	718
51.00	353472	146.00	4388	238.00	759	339.00	222
52.00	17232	147.00	10687	239.00	2130	340.00	233
53.00	617	148.00	23024	240.00	1352	341.00	2563
54.00	59	149.00	4697	241.00	2949	342.00	65
55.00	1998	150.00	1377	242.00	7162	343.00	108
56.00	10533	151.00	2990	244.00	98136	346.00	3443
57.00	21880	152.00	2954	245.00	13114	347.00	967
58.00	996	153.00	6193	246.00	17808	350.00	125
61.00	4107	154.00	5039	247.00	3967	352.00	5316
62.00	4602	155.00	11534	248.00	1304	353.00	3598
63.00	12690	156.00	17720	249.00	3375	354.00	6243
64.00	2115	157.00	4349	250.00	656	355.00	1359
65.00	7413	158.00	4008	251.00	1379	356.00	126
66.00	754	159.00	3154	252.00	1241	357.00	111
67.00	941	160.00	5933	253.00	2083	359.00	504
69.00	356224	161.00	9853	255.00	472128	360.00	240
70.00	1789	162.00	2504	256.00	68528	361.00	165
72.00	230	163.00	640	257.00	5843	363.00	215
73.00	3179	164.00	1186	258.00	24488	364.00	215
74.00	34528	165.00	7339	259.00	3465	365.00	22408
75.00	58056	166.00	5829	260.00	1005	366.00	3084
76.00	21920	167.00	40808	261.00	685	367.00	424
77.00	435200	168.00	19728	263.00	227	369.00	113
78.00	30456	169.00	3356	264.00	933	370.00	587
79.00	25728	170.00	1388	265.00	9862	371.00	1226
80.00	18672	171.00	2091	266.00	824	372.00	8499

81.00	27136	172.00	3423	267.00	582	373.00	2273
82.00	7152	173.00	4681	268.00	272	374.00	328
83.00	7178	174.00	8401	269.00	225	377.00	216
84.00	313	175.00	16896	270.00	318	378.00	173
85.00	6750	176.00	5548	271.00	1045	383.00	2562
86.00	6803	177.00	7428	272.00	482	384.00	639
87.00	3753	178.00	3461	273.00	15365	385.00	130
88.00	1107	179.00	30544	274.00	43096	389.00	168
89.00	811	180.00	23216	275.00	201536	390.00	1138
90.00	140	181.00	10593	276.00	28160	391.00	893
91.00	5979	182.00	1666	277.00	16672	392.00	798
92.00	6737	183.00	735	278.00	2750	396.00	119
93.00	43224	184.00	2753	279.00	731	397.00	124
94.00	3010	185.00	16808	281.00	1001	401.00	560
95.00	765	186.00	126656	282.00	669	402.00	3271
96.00	1791	187.00	35344	283.00	2060	403.00	5416
97.00	1559	188.00	3754	284.00	1604	404.00	2165
98.00	31704	189.00	7138	285.00	3377	405.00	103
99.00	25808	190.00	1409	286.00	603	410.00	115
100.00	1937	191.00	3032	287.00	235	415.00	441
101.00	14425	192.00	9153	288.00	114	416.00	254
102.00	729	193.00	11261	289.00	472	419.00	142
103.00	5544	194.00	3176	290.00	722	420.00	301
104.00	9261	196.00	26728	291.00	524	421.00	4429
105.00	8734	197.00	2276	292.00	869	422.00	4786
106.00	341	198.00	877120	293.00	3934	423.00	31960
107.00	123056	199.00	58160	294.00	1031	424.00	6420
108.00	20136	200.00	4891	295.00	320	425.00	1002
110.00	227776	201.00	4570	296.00	54184	426.00	183
111.00	32856	203.00	5736	297.00	7629	427.00	401
112.00	4060	204.00	30416	298.00	677	429.00	775
113.00	1456	205.00	55768	301.00	985	430.00	825
114.00	500	206.00	232768	302.00	896	431.00	804
115.00	474	207.00	31024	303.00	6525	432.00	938
116.00	7072	208.00	6476	304.00	1586	433.00	1088
117.00	92376	209.00	2030	307.00	114	434.00	1121
118.00	6353	210.00	5033	308.00	690	435.00	1095
119.00	1155	211.00	9016	309.00	548	436.00	919
120.00	1656	212.00	891	310.00	735	437.00	1935
121.00	403	213.00	891	311.00	138	438.00	1978
122.00	7780	214.00	140	312.00	163	439.00	2848
123.00	11996	215.00	2390	313.00	294	441.00	91920
124.00	5038	216.00	5219	314.00	2386	442.00	631168
125.00	5262	217.00	55464	315.00	5568	443.00	120144
127.00	465472	218.00	7874	316.00	3703	444.00	10333
128.00	34680	219.00	1322	317.00	600	445.00	752
129.00	162496	220.00	647	318.00	365		
130.00	14405	221.00	48128	319.00	105		
131.00	2114	223.00	14479	321.00	2485		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4187.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 04-MAY-2012 15:52
Operator : vasquezk Inst ID: F.i
Smp Info : MS-DFTPP_00031,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\dftppB.m
Meth Date : 14-Apr-2012 11:22 ilczyszynd Quant Type: ESTD
Cal Date : 11-AUG-2010 11:36 Cal File: F2652.D
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC365

					CONCENTRATIONS			
					ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.121	4.500	-0.379	198	1251328			0.00- 100.00	100.00
4.121	4.500	-0.379	51	536000			30.00- 60.00	42.83
4.121	4.500	-0.379	68	0	0.0	0.0	0.00- 2.00	0.00
4.121	4.500	-0.379	69	540224			0.00- 0.00	43.17
4.121	4.500	-0.379	70	3032			0.00- 2.00	0.56
4.121	4.500	-0.379	127	684288			40.00- 60.00	54.68
4.121	4.500	-0.379	197	0	0.0	0.0	0.00- 1.00	0.00
4.121	4.500	-0.379	199	84600			5.00- 9.00	6.76
4.121	4.500	-0.379	275	285056			10.00- 30.00	22.78
4.121	4.500	-0.379	365	31400			1.00- 0.00	2.51
4.121	4.500	-0.379	441	122280			0.01- 99.99	77.89
4.121	4.500	-0.379	442	840960			40.00- 100.00	67.21
4.121	4.500	-0.379	443	156992			17.00- 23.00	18.67

Data File: F4187.D

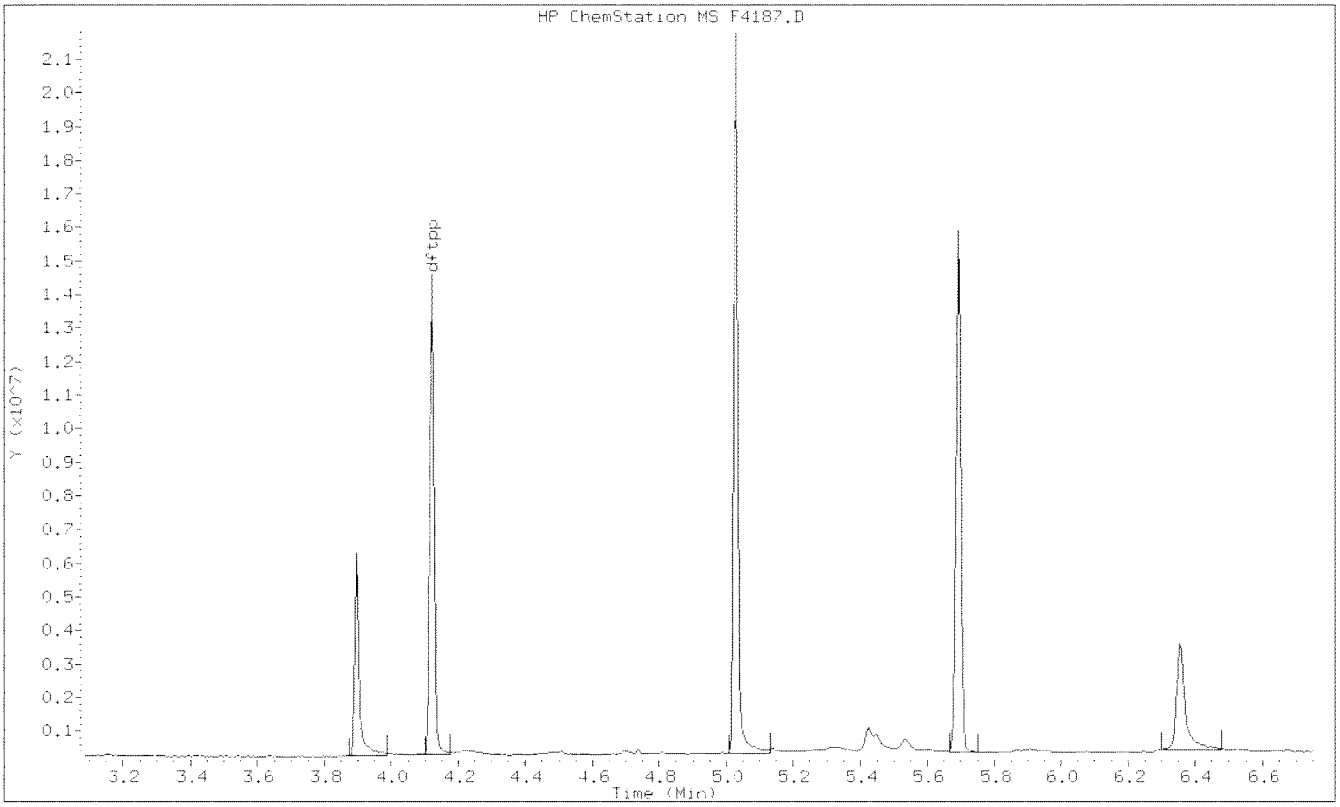
Date: 04-MAY-2012 15:52

Client ID: DFTPP

Instrument: F.i

Sample Info: MS-DFTPP_00031,,

Operator: vasquezk



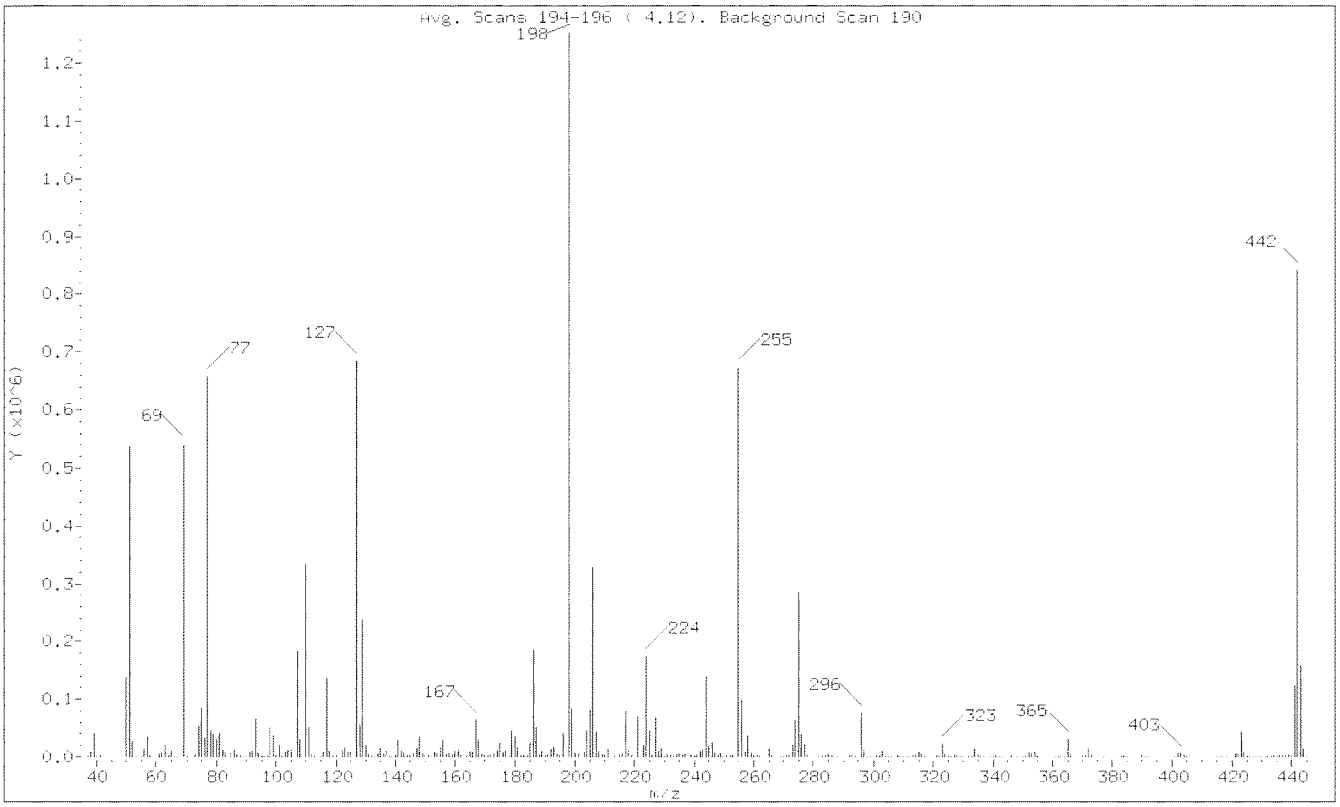
Data File: F4187.D

Date: 04-MAY-2012 15:52

Client ID: DFTPP Instrument: F.i

Sample Info: MS-DFTPP_00031,, Operator: vasquezk

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.83
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.17
70	Less than 2.00% of mass 69	0.24 (0.56)
127	40.00 - 60.00% of mass 198	54.68
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	22.78
365	Greater than 1.00% of mass 198	2.51
441	Present, but less than mass 443	9.77
442	40.00 - 100.00% of mass 198	67.21
443	17.00 - 23.00% of mass 442	12.55 (18.67)

Data File: F4187.D

Date: 04-MAY-2012 15:52

Client ID: DFTPP Instrument: F.i

Sample Info: MS-DFTPP_00031,, Operator: vasquezk

Data File: \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4187.D
Spectrum: Avg. Scans 194-196 (4.12), Background Scan 190
Location of Maximum: 198.00
Number of points: 356

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	583	140.00	3336	235.00	5226	330.00	113
37.00	1621	141.00	28544	236.00	4075	331.00	213
38.00	7236	142.00	10335	237.00	5530	332.00	1713
39.00	40936	143.00	6318	238.00	771	333.00	1494
40.00	969	144.00	1627	239.00	3152	334.00	15156
41.00	1636	145.00	1411	240.00	2002	335.00	3604
45.00	320	146.00	5519	241.00	4688	336.00	539
48.00	857	147.00	15039	242.00	9779	337.00	150
50.00	139392	148.00	34928	243.00	11375	339.00	396
51.00	536000	149.00	6743	244.00	138816	340.00	648
52.00	27512	150.00	1907	245.00	19192	341.00	2945
53.00	454	151.00	4660	246.00	24704	342.00	768
55.00	816	152.00	2564	247.00	5472	343.00	113
56.00	15111	153.00	8776	248.00	1561	346.00	4925
57.00	35504	154.00	6382	249.00	5360	347.00	1014
58.00	1900	155.00	17320	250.00	862	348.00	108
59.00	647	156.00	28112	251.00	1657	350.00	121
61.00	6607	157.00	4703	252.00	1843	351.00	901
62.00	7073	158.00	5728	253.00	4366	352.00	7768
63.00	19968	159.00	3645	255.00	672576	353.00	5929
64.00	3020	160.00	9412	256.00	99328	354.00	8716
65.00	11060	161.00	13108	257.00	9084	355.00	1447
66.00	980	162.00	4216	258.00	37008	357.00	135
67.00	520	163.00	821	259.00	5730	358.00	142
69.00	540224	164.00	2005	260.00	1302	359.00	692
70.00	3032	165.00	10239	261.00	1540	360.00	323
71.00	550	166.00	9117	262.00	389	361.00	792
72.00	92	167.00	62856	263.00	498	362.00	131
73.00	4244	168.00	28528	264.00	356	363.00	498
74.00	54016	169.00	4133	265.00	14837	364.00	610
75.00	84712	170.00	1346	266.00	1381	365.00	31400
76.00	32360	171.00	2143	268.00	689	366.00	5196
77.00	657536	172.00	5038	269.00	584	367.00	319
78.00	44696	173.00	6204	270.00	21	370.00	1081
79.00	38896	174.00	12552	271.00	1988	371.00	3051
80.00	29824	175.00	24488	272.00	1314	372.00	14108
81.00	41064	176.00	7658	273.00	20888	373.00	3206
82.00	11448	177.00	11050	274.00	62640	374.00	604
83.00	9155	178.00	2406	275.00	285056	377.00	212
85.00	8547	179.00	44128	276.00	38984	380.00	110

86.00	11417	180.00	34032	277.00	22856	383.00	2539
87.00	4955	181.00	15825	278.00	3115	384.00	1277
88.00	1748	182.00	2274	279.00	891	385.00	209
89.00	910	183.00	1346	280.00	148	390.00	1564
90.00	430	184.00	4436	281.00	201	391.00	955
91.00	9022	185.00	23976	282.00	878	392.00	667
92.00	9977	186.00	184512	283.00	2515	394.00	133
93.00	64528	187.00	50832	284.00	1315	396.00	117
94.00	5653	188.00	4776	285.00	4375	401.00	687
95.00	1384	189.00	10366	286.00	1259	402.00	5684
96.00	2996	190.00	2028	288.00	346	403.00	6787
97.00	1925	191.00	4162	289.00	713	404.00	2412
98.00	50968	192.00	13930	290.00	896	405.00	227
99.00	37304	193.00	15509	291.00	737	413.00	185
100.00	2947	194.00	3871	292.00	1929	415.00	615
101.00	21408	195.00	1956	293.00	5024	416.00	107
102.00	1179	196.00	40248	294.00	1346	417.00	149
103.00	7603	198.00	1251328	296.00	75520	418.00	282
104.00	12442	199.00	84600	297.00	11570	419.00	384
105.00	12479	200.00	6483	298.00	819	420.00	394
107.00	181568	201.00	6466	299.00	113	421.00	6041
108.00	29832	203.00	8592	301.00	1288	422.00	5408
110.00	334528	204.00	44592	302.00	1364	423.00	43376
111.00	51312	205.00	82264	303.00	9550	424.00	9002
112.00	4578	206.00	326976	304.00	2275	425.00	1152
113.00	1504	207.00	42160	305.00	260	426.00	600
114.00	295	208.00	10880	306.00	130	427.00	973
115.00	618	209.00	3185	307.00	175	428.00	232
116.00	8043	210.00	3746	308.00	1291	429.00	382
117.00	136064	211.00	13975	309.00	847	430.00	843
118.00	10059	213.00	1172	310.00	948	431.00	307
119.00	1229	214.00	570	311.00	300	432.00	1344
120.00	1767	215.00	3491	312.00	538	433.00	1052
122.00	11459	216.00	4026	313.00	1244	434.00	1326
123.00	16037	217.00	80304	314.00	3612	435.00	2116
124.00	7764	218.00	10705	315.00	7905	436.00	2039
125.00	8706	219.00	2043	316.00	4044	437.00	2624
127.00	684288	221.00	69104	317.00	1264	438.00	3226
128.00	54440	223.00	20488	318.00	140	439.00	4161
129.00	238080	224.00	174592	319.00	306	440.00	130
130.00	20816	225.00	45712	320.00	348	441.00	122280
131.00	4214	226.00	3153	321.00	2433	442.00	840960
132.00	2154	227.00	69544	322.00	1323	443.00	156992
133.00	103	228.00	9304	323.00	23344	444.00	15056
134.00	7019	229.00	15360	324.00	4627	445.00	898
135.00	17256	230.00	1223	325.00	444	447.00	105
136.00	7044	231.00	5691	326.00	455		
137.00	9621	232.00	1934	327.00	5036		
138.00	2487	233.00	911	328.00	2398		
139.00	1394	234.00	4971	329.00	746		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	MB 280-117187/1-A
Matrix:	Water	Lab File ID:	F4189.D
Analysis Method:	8270C SIM	Date Collected:	
Extract. Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	1000(mL)	Date Analyzed:	05/04/2012 16:39
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	118594	Units:	ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	15.3	J	100	3.4
50-32-8	Benzo[a]pyrene	17.1	J	100	5.1
56-55-3	Benzo[a]anthracene	ND		100	3.2
207-08-9	Benzo[k]fluoranthene	12.1	J	100	5.1
191-24-2	Benzo[g,h,i]perylene	41.2	J	100	3.6
85-01-8	Phenanthrene	ND		100	9.8
120-12-7	Anthracene	ND		100	14
53-70-3	Dibenz(a,h)anthracene	44.6	J	100	4.8
218-01-9	Chrysene	ND		100	3.2
83-32-9	Acenaphthene	ND		100	11
208-96-8	Acenaphthylene	ND		100	10
206-44-0	Fluoranthene	25.8	J	100	4.5
86-73-7	Fluorene	ND		100	19
129-00-0	Pyrene	63.0	J	100	8.1
193-39-5	Indeno[1,2,3-cd]pyrene	30.0	J	100	15
90-12-0	1-Methylnaphthalene	ND		100	5.7
91-57-6	2-Methylnaphthalene	ND		100	5.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	92		42-120
4165-60-0	Nitrobenzene-d5	93		43-120
1718-51-0	Terphenyl-d14	100		47-120

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4189.D
Lab Smp Id: MB 280-117187/1-A
Inj Date : 04-MAY-2012 16:39
Operator : vasquezk Inst ID: F.i
Smp Info : mb280-117187_1-a
Misc Info : MB 280-117187_1-A
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\Q1PAHSIM.m
Meth Date : 04-May-2012 18:24 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q4PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
* 12	Acenaphthene-d10	164	7.486	7.496	(1.000)	140867	600.000	
* 19	Phenanthrene-d10	188	8.996	9.004	(1.000)	241582	600.000	
* 27	Chrysene-d12	240	13.461	13.470	(1.000)	210810	600.000	
$ 4	Nitrobenzene-d5	82	5.036	5.036	(0.673)	81942	462.768	462.768
$ 10	2-Fluorobiphenyl	172	6.785	6.785	(0.906)	147359	459.393	459.393
$ 24	Terphenyl-d14	244	11.101	11.101	(1.234)	145999	502.028	502.028
6	Naphthalene	128	Compound Not Detected.					
8	2-Methylnaphthalene	142	Compound Not Detected.					
9	1-Methylnaphthalene	142	Compound Not Detected.					
11	Acenaphthylene	152	Compound Not Detected.					
13	Acenaphthene	153	Compound Not Detected.					
14	Dibenzofuran	168	Compound Not Detected.					
15	Fluorene	166	Compound Not Detected.					
20	Phenanthrene	178	Compound Not Detected.					
21	Anthracene	178	Compound Not Detected.					
22	Fluoranthene	202	10.518	10.518	(1.169)	13141	25.8099	25.8099
23	Pyrene	202	10.897	10.897	(1.211)	33978	63.0488	63.0488
26	Benzo(a)anthracene	228	Compound Not Detected.					
28	Chrysene	228	Compound Not Detected.					
29	Benzo(b)fluoranthene	252	16.515	16.521	(1.227)	5513	15.3268	15.3268
30	Benzo(k)fluoranthene	252	16.595	16.600	(1.233)	4485	12.1297	12.1297
31	Benzo(a)pyrene	252	17.523	17.528	(1.302)	5904	17.0566	17.0566

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
34 Indeno(1,2,3-cd)pyrene	276	20.941	20.951	(1.556)	9477	29.9545	29.9545(Q)
33 Dibenz(a,h)anthracene	278	21.024	21.024	(1.562)	13924	44.6431	44.6431
35 Benzo(g,h,i)perylene	276	21.722	21.732	(1.614)	13402	41.2463	41.2463

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: F4189.D

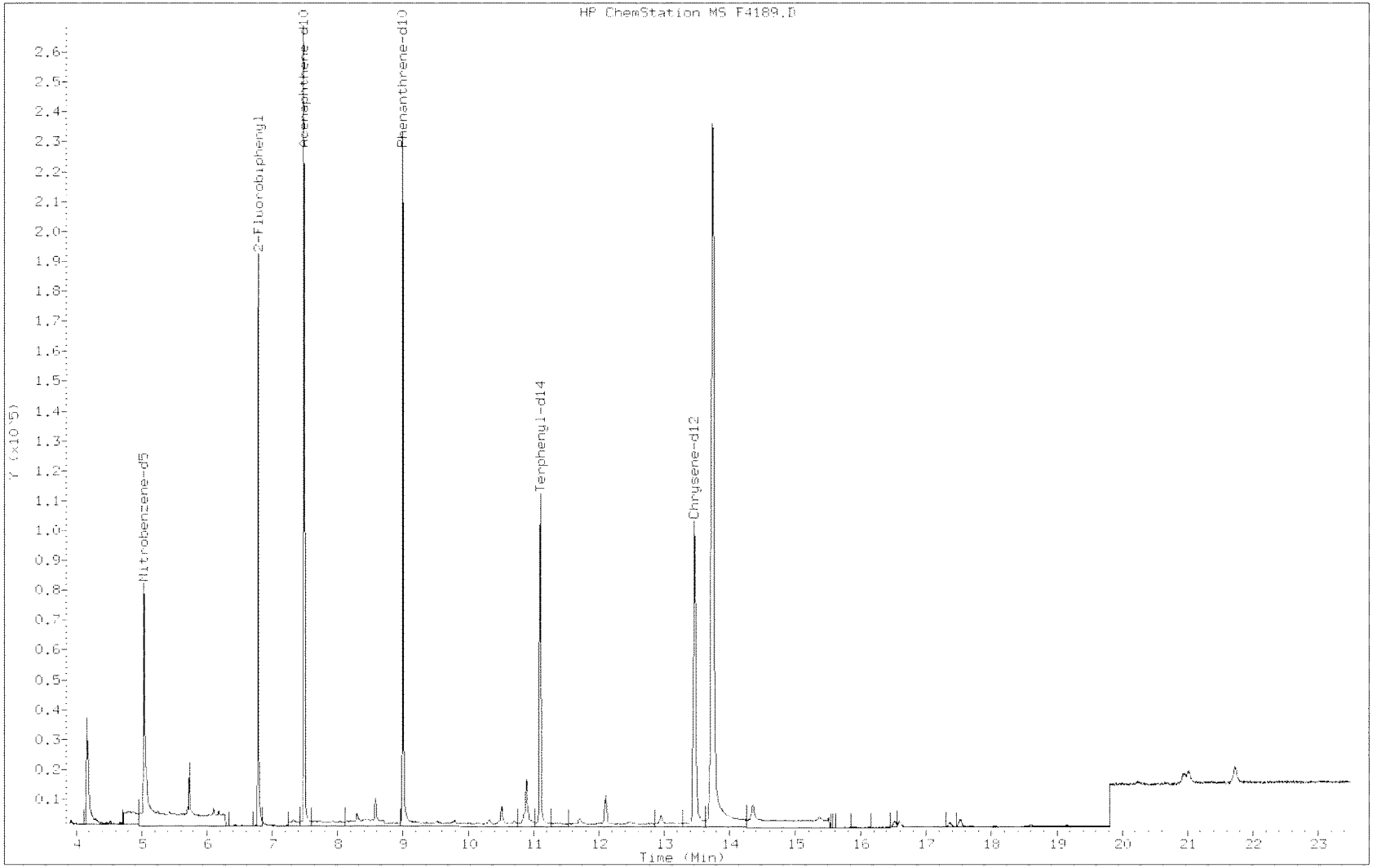
Date: 04-MAY-2012 16:39

Client ID:

Instrument: F.i

Sample Info: mb280-117187_1-a

Operator: vasquezk



Data File: F4189.D

Date: 04-MAY-2012 16:39

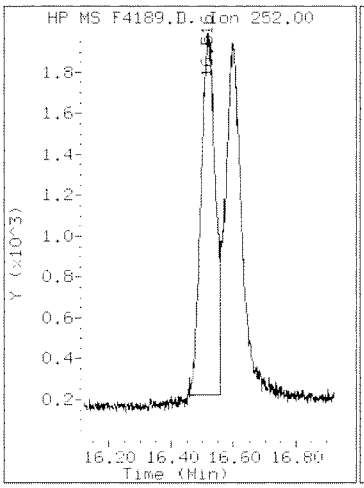
Client ID:

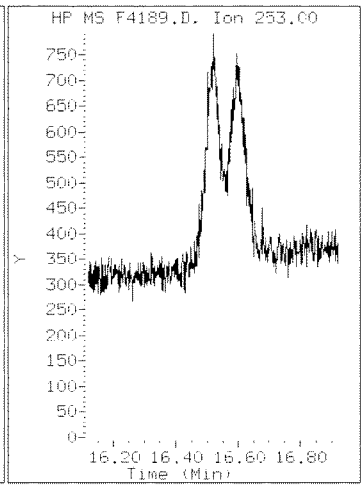
Instrument: F.i

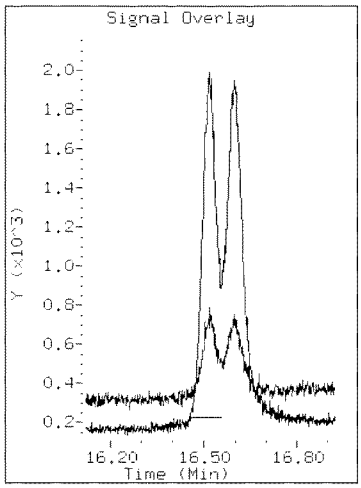
Sample Info: mb280-117187_1-a

Operator: vasquezk

29 Benzo(b)fluoranthene







Data File: F4189.D

Date: 04-MAY-2012 16:39

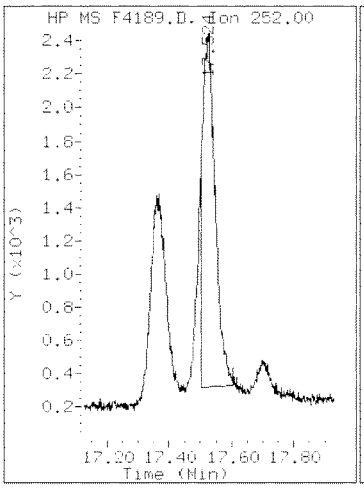
Client ID:

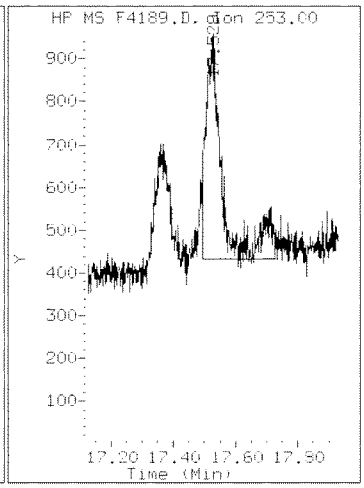
Instrument: F.i

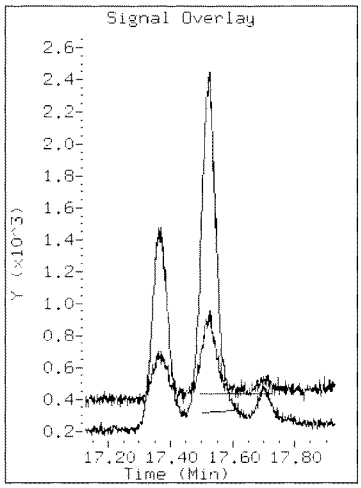
Sample Info: mb280-117187_1-a

Operator: vasquezk

31 Benzo(a)pyrene







Data File: F4189.D

Date: 04-MAY-2012 16:39

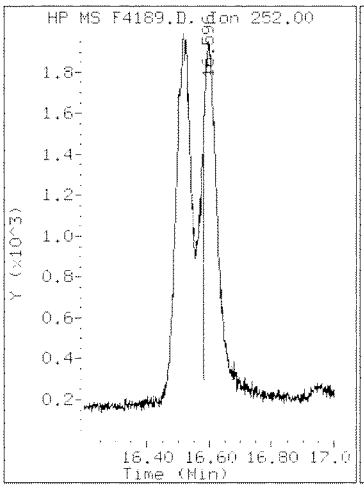
Client ID:

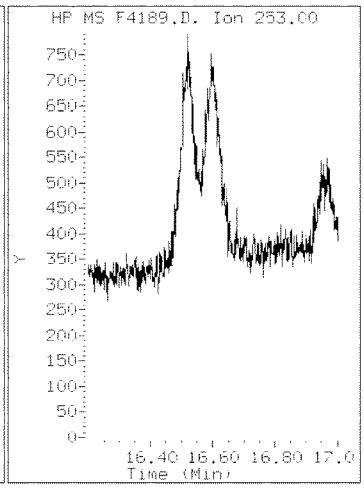
Instrument: F.i

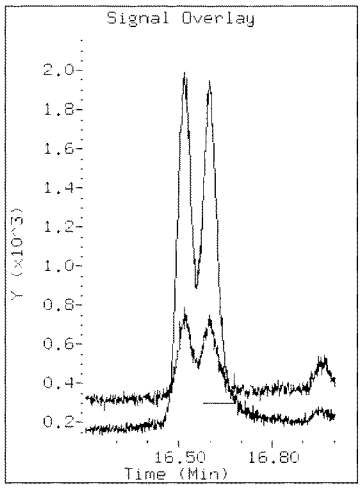
Sample Info: mb280-117187_1-a

Operator: vasquezk

30 Benzo(k)fluoranthene







Data File: F4189.D

Date: 04-MAY-2012 16:39

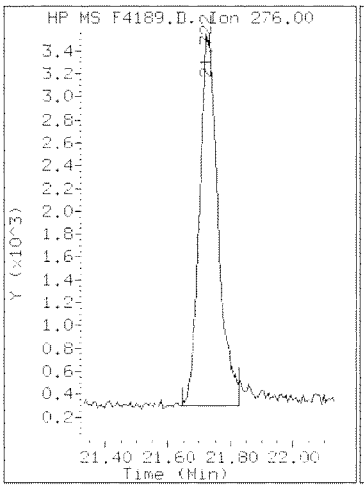
Client ID:

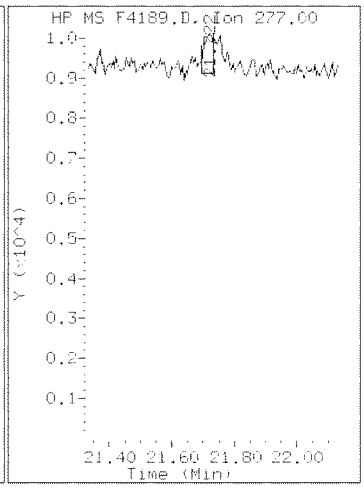
Instrument: F.i

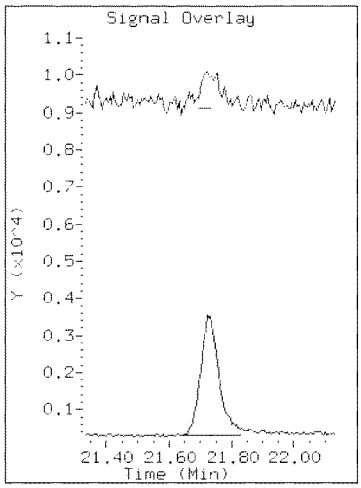
Sample Info: mb280-117187_1-a

Operator: vasquezk

35 Benzo(g,h,i)perylene







Data File: F4189.D

Date: 04-MAY-2012 16:39

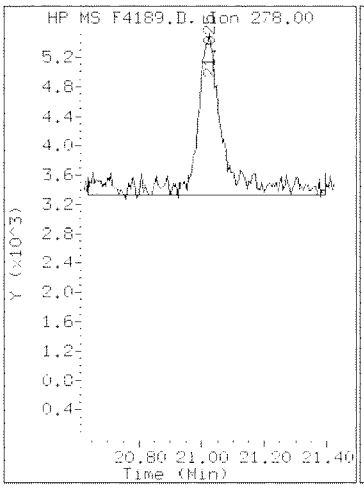
Client ID:

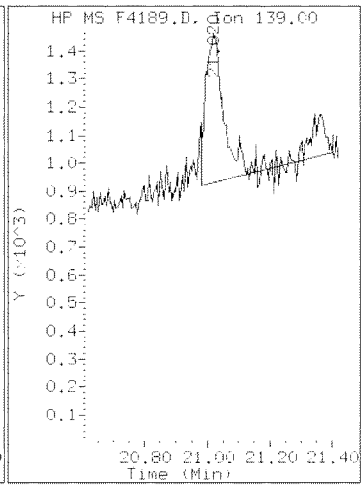
Instrument: F.i

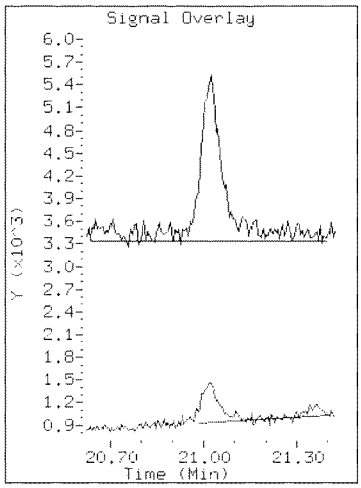
Sample Info: mb280-117187_1-a

Operator: vasquezk

33 Dibenz(a,h)anthracene







Data File: F4189.D

Date: 04-MAY-2012 16:39

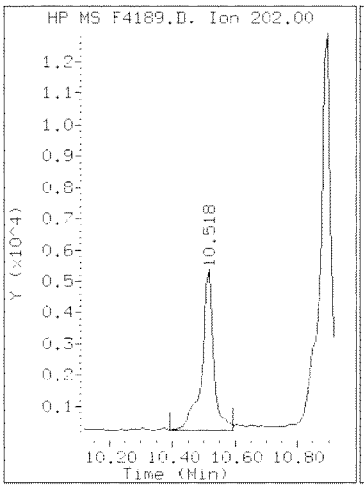
Client ID:

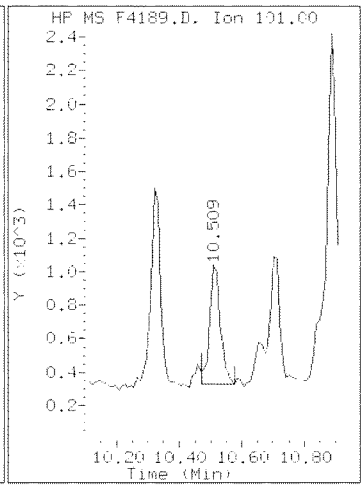
Instrument: F.i

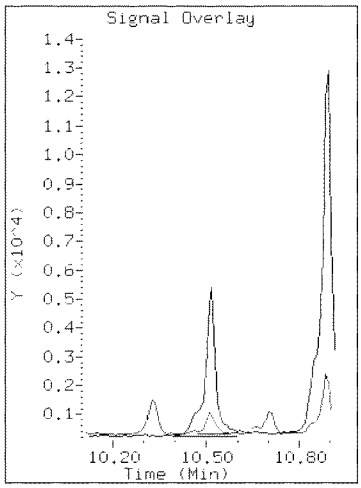
Sample Info: mb280-117187_1-a

Operator: vasquezk

22 Fluoranthene







Data File: F4189.D

Date: 04-MAY-2012 16:39

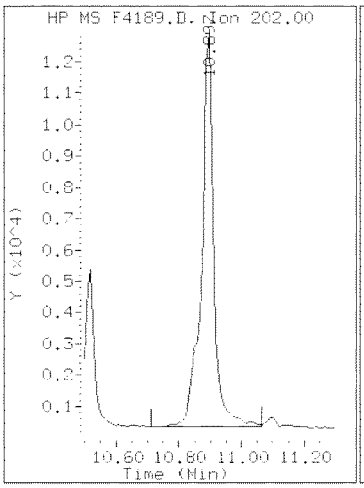
Client ID:

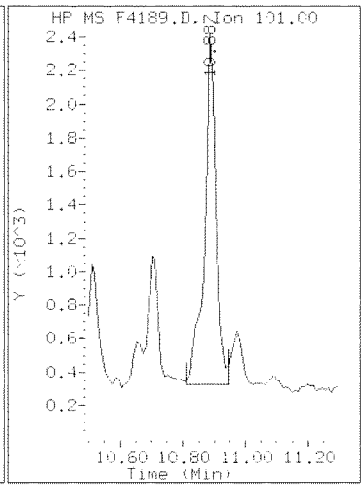
Instrument: F.i

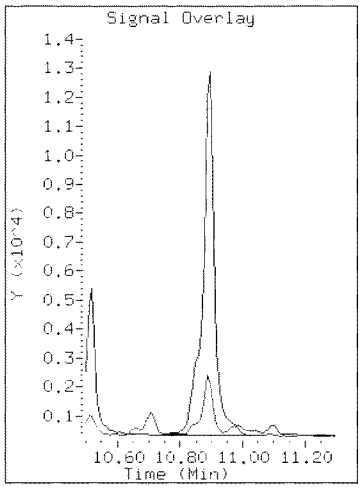
Sample Info: mb280-117187_1-a

Operator: vasquezk

23 Pyrene







Data File: F4189.D

Date: 04-MAY-2012 16:39

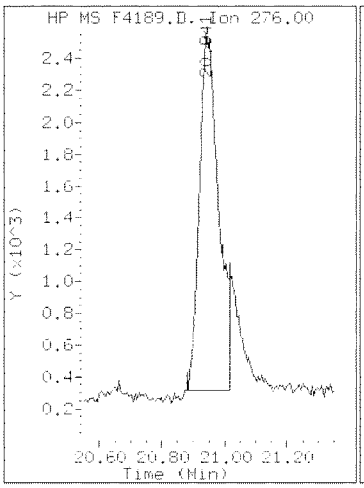
Client ID:

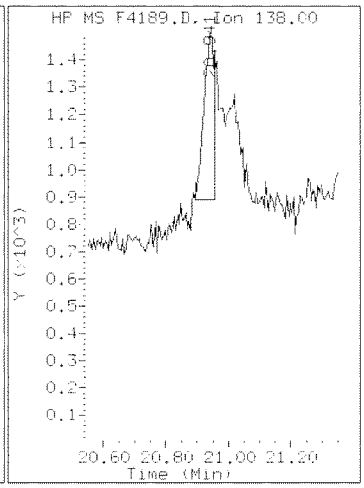
Instrument: F.i

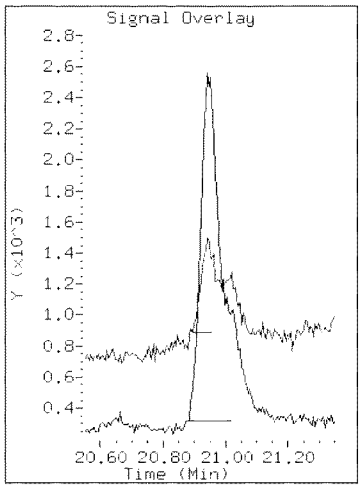
Sample Info: mb280-117187_1-a

Operator: vasquezk

34 Indeno(1,2,3-cd)pyrene







FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCS 280-117187/2-A
Matrix:	Water	Lab File ID:	F4190.D
Analysis Method:	8270C SIM	Date Collected:	
Extract. Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	1000(mL)	Date Analyzed:	05/04/2012 17:09
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	118594	Units:	ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	952		100	3.4
50-32-8	Benzo[a]pyrene	936		100	5.1
56-55-3	Benzo[a]anthracene	902		100	3.2
207-08-9	Benzo[k]fluoranthene	962		100	5.1
191-24-2	Benzo[g,h,i]perylene	988		100	3.6
85-01-8	Phenanthrene	887		100	9.8
120-12-7	Anthracene	966		100	14
53-70-3	Dibenz(a,h)anthracene	958		100	4.8
218-01-9	Chrysene	933		100	3.2
83-32-9	Acenaphthene	891		100	11
208-96-8	Acenaphthylene	882		100	10
206-44-0	Fluoranthene	950		100	4.5
86-73-7	Fluorene	865		100	19
129-00-0	Pyrene	936		100	8.1
193-39-5	Indeno[1,2,3-cd]pyrene	942		100	15
90-12-0	1-Methylnaphthalene	870		100	5.7
91-57-6	2-Methylnaphthalene	879		100	5.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	92		42-120
4165-60-0	Nitrobenzene-d5	94		43-120
1718-51-0	Terphenyl-d14	102		47-120

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4190.D
Lab Smp Id: LCS 280-117187/2-A
Inj Date : 04-MAY-2012 17:09
Operator : vasquezk Inst ID: F.i
Smp Info : lcs280-117187_2-a
Misc Info : LCS 280-117187_2-A
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\Q1PAHSIM.m
Meth Date : 04-May-2012 18:24 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q4PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
* 12	Acenaphthene-d10	164	7.486	7.496	(1.000)	129584	600.000	
* 19	Phenanthrene-d10	188	8.996	9.004	(1.000)	209690	600.000	
* 27	Chrysene-d12	240	13.461	13.470	(1.000)	191397	600.000	
$ 4	Nitrobenzene-d5	82	5.036	5.036	(0.673)	76897	472.089	472.089
$ 10	2-Fluorobiphenyl	172	6.785	6.785	(0.906)	135734	459.997	459.996
$ 24	Terphenyl-d14	244	11.101	11.101	(1.234)	128456	508.885	508.885
6	Naphthalene	128	5.756	5.756	(0.769)	400728	869.213	869.213
8	2-Methylnaphthalene	142	6.436	6.435	(0.860)	250921	878.555	878.554
9	1-Methylnaphthalene	142	6.536	6.540	(0.873)	254687	869.517	869.517
11	Acenaphthylene	152	7.350	7.350	(0.982)	378414	881.847	881.847
13	Acenaphthene	153	7.525	7.525	(1.005)	242828	890.890	890.890
14	Dibenzofuran	168	Compound Not Detected.					
15	Fluorene	166	8.039	8.049	(1.074)	260095	865.409	865.409
20	Phenanthrene	178	9.022	9.022	(1.003)	390976	887.058	887.058
21	Anthracene	178	9.074	9.074	(1.009)	399969	966.123	966.122
22	Fluoranthene	202	10.508	10.518	(1.168)	419658	949.599	949.598
23	Pyrene	202	10.887	10.897	(1.210)	437906	936.152	936.152
26	Benzo(a)anthracene	228	13.431	13.441	(0.998)	351749	901.736	901.736
28	Chrysene	228	13.529	13.538	(1.005)	359202	932.516	932.516
29	Benzo(b)fluoranthene	252	16.514	16.521	(1.227)	310967	952.215	952.215
30	Benzo(k)fluoranthene	252	16.594	16.600	(1.233)	322850	961.710	961.710
31	Benzo(a)pyrene	252	17.515	17.528	(1.301)	294220	936.214	936.214

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
34 Indeno(1,2,3-cd)pyrene	276	20.940	20.951	(1.556)	270678	942.323	942.323
33 Dibenz(a,h)anthracene	278	21.014	21.024	(1.561)	271247	957.880	957.880
35 Benzo(g,h,i)perylene	276	21.722	21.732	(1.614)	291411	987.820	987.820

Data File: F4190.D

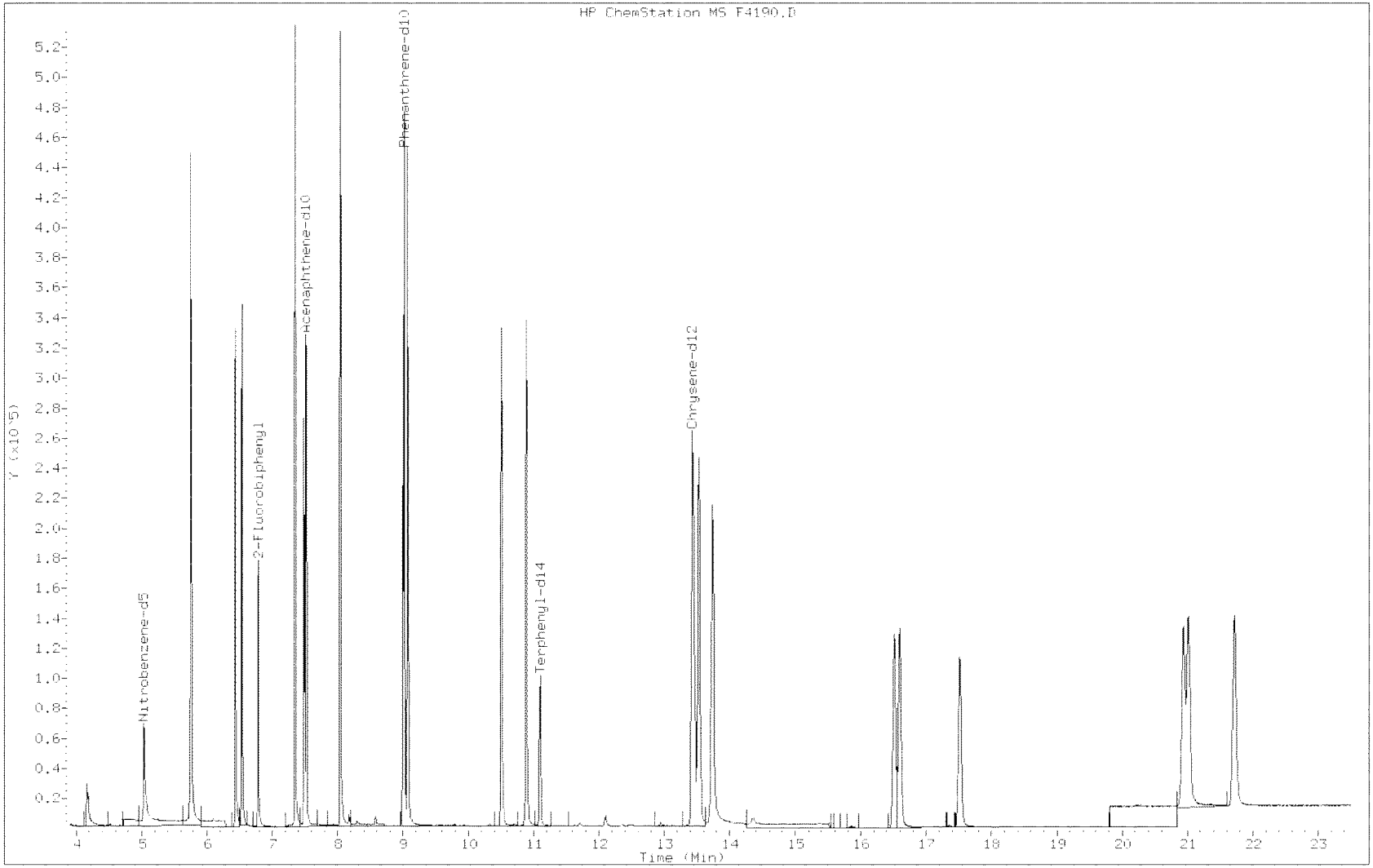
Date: 04-MAY-2012 17:09

Client ID:

Instrument: F.i

Sample Info: lcs280-117187_2-a

Operator: vasquezk



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	280-28131-F-4-A MS
Matrix:	Water	Lab File ID:	F4201.D
Analysis Method:	8270C SIM	Date Collected:	
Extract. Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	987.7(mL)	Date Analyzed:	05/04/2012 22:38
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	Level: (low/med)	Low
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	118594	Units:	ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	808		100	3.5
50-32-8	Benzo[a]pyrene	788		100	5.2
56-55-3	Benzo[a]anthracene	892		100	3.2
207-08-9	Benzo[k]fluoranthene	825		100	5.1
191-24-2	Benzo[g,h,i]perylene	749		100	3.6
85-01-8	Phenanthrene	847		100	9.9
120-12-7	Anthracene	930		100	14
53-70-3	Dibenz(a,h)anthracene	700		100	4.9
218-01-9	Chrysene	952		100	3.2
83-32-9	Acenaphthene	820		100	11
208-96-8	Acenaphthylene	856		100	10
206-44-0	Fluoranthene	892		100	4.6
86-73-7	Fluorene	796		100	19
129-00-0	Pyrene	848		100	8.2
193-39-5	Indeno[1,2,3-cd]pyrene	678		100	15
90-12-0	1-Methylnaphthalene	840		100	5.7
91-57-6	2-Methylnaphthalene	864		100	5.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	83		42-120
4165-60-0	Nitrobenzene-d5	85		43-120
1718-51-0	Terphenyl-d14	96		47-120

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4201.D
Lab Smp Id: 280-28131-F-4-A MS Client Smp ID: 431525108371901
Inj Date : 04-MAY-2012 22:38
Operator : vasquezk Inst ID: F.i
Smp Info : 280-28131-f-4-ams
Misc Info : 280-28131-F-4-A MS
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\Q1PAHSIM.m
Meth Date : 04-May-2012 18:24 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 15 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q4PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	987.700	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
* 12	Acenaphthene-d10	164	7.486	7.496	(1.000)	91266	600.000	
* 19	Phenanthrene-d10	188	8.996	9.004	(1.000)	142985	600.000	
* 27	Chrysene-d12	240	13.461	13.470	(1.000)	112976	600.000	
$ 4	Nitrobenzene-d5	82	5.044	5.036	(0.674)	48590	423.549	428.824
$ 10	2-Fluorobiphenyl	172	6.785	6.785	(0.906)	86098	414.287	419.446
$ 24	Terphenyl-d14	244	11.101	11.101	(1.234)	82821	481.164	487.156
6	Naphthalene	128	5.756	5.756	(0.769)	286699	882.969	893.964
8	2-Methylnaphthalene	142	6.436	6.435	(0.860)	171567	852.919	863.541
9	1-Methylnaphthalene	142	6.536	6.540	(0.873)	171208	829.923	840.258
11	Acenaphthylene	152	7.350	7.350	(0.982)	255571	845.630	856.160
13	Acenaphthene	153	7.525	7.525	(1.005)	155568	810.379	820.470
14	Dibenzofuran	168	Compound Not Detected.					
15	Fluorene	166	8.040	8.049	(1.074)	166450	786.349	796.142
20	Phenanthrene	178	9.022	9.022	(1.003)	251474	836.724	847.144
21	Anthracene	178	9.074	9.074	(1.009)	259213	918.227	929.661
22	Fluoranthene	202	10.508	10.518	(1.168)	265610	881.406	892.383
23	Pyrene	202	10.887	10.897	(1.210)	267071	837.297	847.724
26	Benzo(a)anthracene	228	13.432	13.441	(0.998)	202936	881.362	892.338
28	Chrysene	228	13.529	13.538	(1.005)	213706	939.903	951.608
29	Benzo(b)fluoranthene	252	16.514	16.521	(1.227)	153872	798.232	808.173
30	Benzo(k)fluoranthene	252	16.594	16.600	(1.233)	161516	815.094	825.244
31	Benzo(a)pyrene	252	17.520	17.528	(1.302)	144314	777.966	787.654

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
34 Indeno(1,2,3-cd)pyrene	276	20.941	20.951	(1.556)	113495	669.380	677.715(M)
33 Dibenz(a,h)anthracene	278	21.014	21.024	(1.561)	115627	691.758	700.373
35 Benzo(g,h,i)perylene	276	21.722	21.732	(1.614)	128792	739.621	748.832

QC Flag Legend

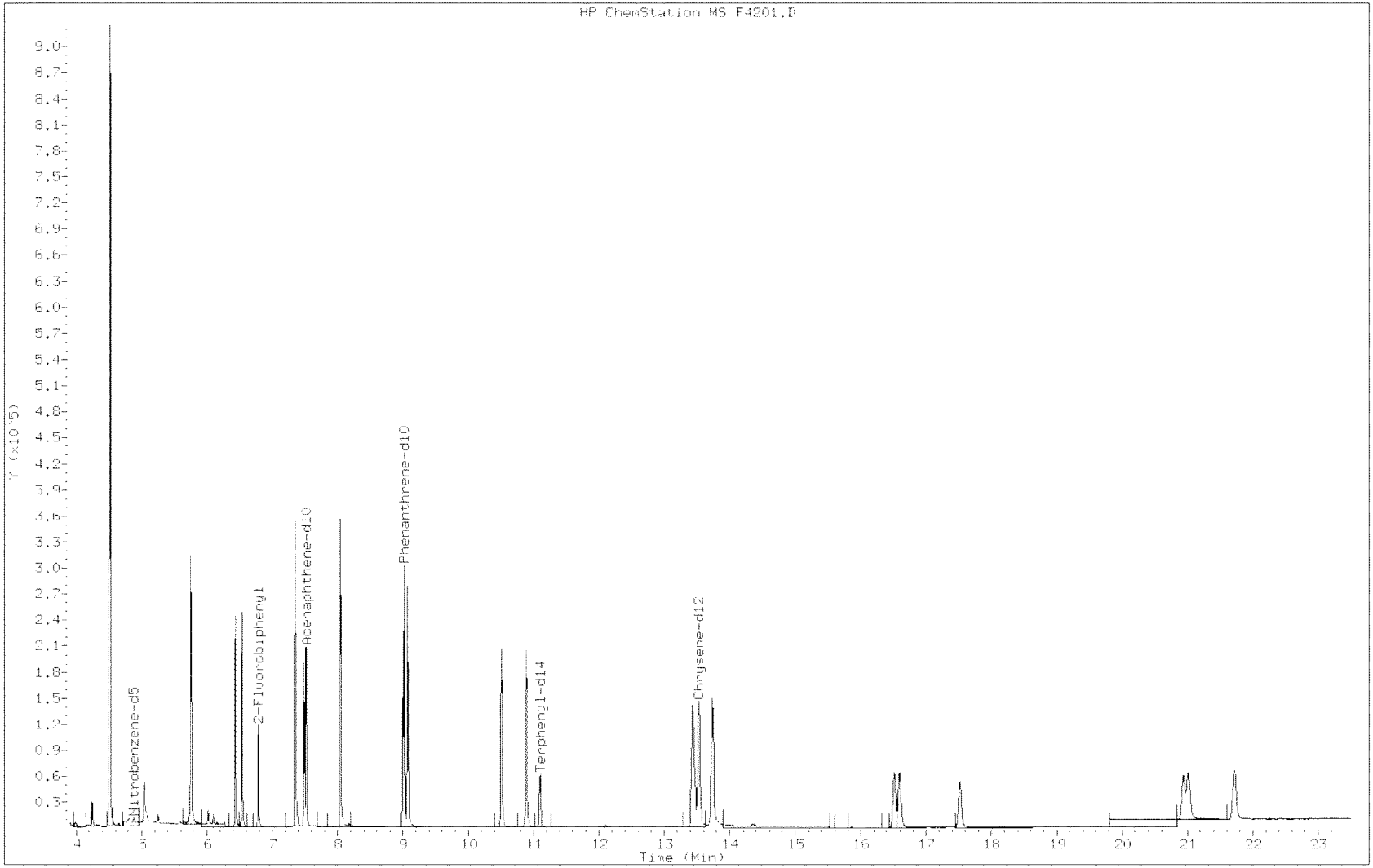
M - Compound response manually integrated.

Data File: F4201.D

Date: 04-MAY-2012 22:38

Client ID: 431525108371901 Instrument: F.i

Sample Info: 280-28131-f-4-ams Operator: vasquezk



Manual Integration Report

Data File: F4201.D
Inj. Date and Time: 04-MAY-2012 22:38
Instrument ID: F.i
Client ID: 431525108371901
Compound: 34 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/07/2012

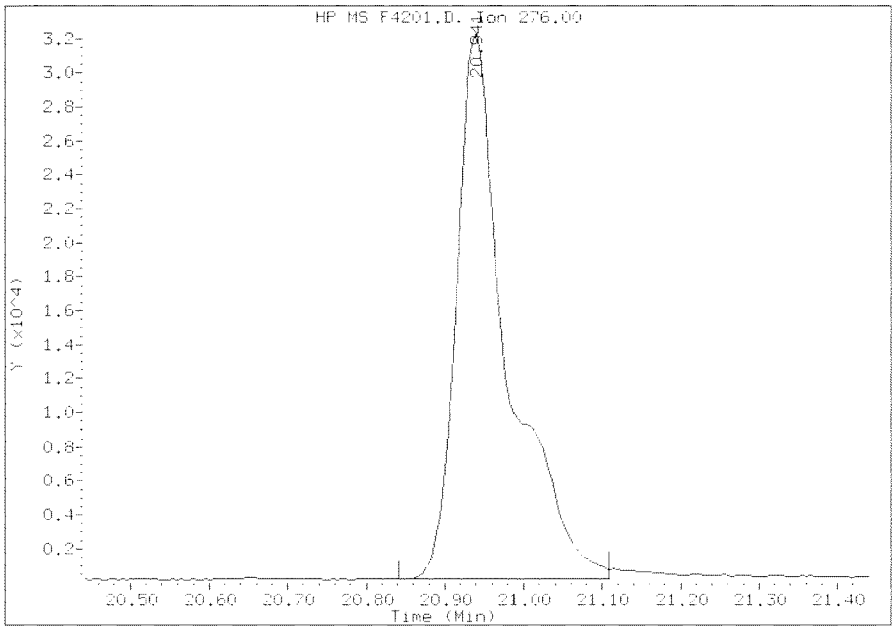
Processing Integration Results

RT: 20.94

Response: 145029

Amount: 855

Conc: 866



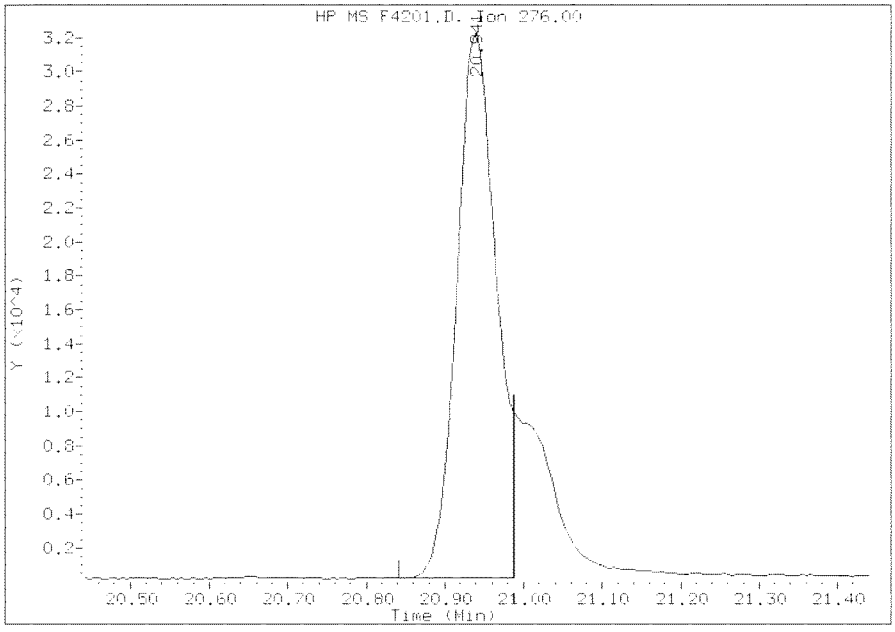
Manual Integration Results

RT: 20.94

Response: 113495

Amount: 669

Conc: 678



Manually Integrated By: vasquezk
Manual Integration Reason: Mis-Integrated

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-R-4-G MSD

Matrix: Water | Lab File ID: F4202.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/26/2012 17:00

Sample wt/vol: 949.4(mL) | Date Analyzed: 05/04/2012 23:08

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 118594 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	925		110	3.6
50-32-8	Benzo[a]pyrene	915		110	5.4
56-55-3	Benzo[a]anthracene	931		110	3.4
207-08-9	Benzo[k]fluoranthene	964		110	5.3
191-24-2	Benzo[g,h,i]perylene	879		110	3.7
85-01-8	Phenanthrene	774		110	10
120-12-7	Anthracene	837		110	15
53-70-3	Dibenz(a,h)anthracene	834		110	5.1
218-01-9	Chrysene	977		110	3.4
83-32-9	Acenaphthene	692		110	11
208-96-8	Acenaphthylene	712		110	10
206-44-0	Fluoranthene	894		110	4.8
86-73-7	Fluorene	691		110	20
129-00-0	Pyrene	857		110	8.5
193-39-5	Indeno[1,2,3-cd]pyrene	830		110	15
90-12-0	1-Methylnaphthalene	682		110	6.0
91-57-6	2-Methylnaphthalene	702		110	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	66		42-120
4165-60-0	Nitrobenzene-d5	65		43-120
1718-51-0	Terphenyl-d14	95		47-120

TestAmerica

PAH by GC/MS SIM

Data file : \\DenSvr03\Public\chem\MSS\F.i\050412.b\F4202.D
Lab Smp Id: 280-28131-R-4-G MSD Client Smp ID: 431525108371901
Inj Date : 04-MAY-2012 23:08
Operator : vasquezk Inst ID: F.i
Smp Info : 280-28131-r-4-gmsd
Misc Info : 280-28131-R-4-G MSD
Comment : SOP: DV-MS-0002
Method : \\DenSvr03\Public\chem\MSS\F.i\050412.b\Q1PAHSIM.m
Meth Date : 04-May-2012 18:24 F.i Quant Type: ISTD
Cal Date : 01-MAY-2012 13:50 Cal File: F4129.D
Als bottle: 16 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q4PAHSIM.sub
Target Version: 4.14
Processing Host: DENPC365

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	949.400	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
* 12	Acenaphthene-d10	164	7.486	7.496	(1.000)	117711	600.000	
* 19	Phenanthrene-d10	188	8.996	9.004	(1.000)	193409	600.000	
* 27	Chrysene-d12	240	13.460	13.470	(1.000)	162010	600.000	
$ 4	Nitrobenzene-d5	82	5.036	5.036	(0.673)	48339	326.698	344.110
$ 10	2-Fluorobiphenyl	172	6.785	6.785	(0.906)	88145	328.850	346.377
$ 24	Terphenyl-d14	244	11.100	11.101	(1.234)	111137	477.337	502.777
6	Naphthalene	128	5.756	5.756	(0.769)	286915	685.116	721.631
8	2-Methylnaphthalene	142	6.435	6.435	(0.860)	173000	666.825	702.365
9	1-Methylnaphthalene	142	6.536	6.540	(0.873)	172176	647.110	681.599
11	Acenaphthylene	152	7.350	7.350	(0.982)	263467	675.907	711.930
13	Acenaphthene	153	7.525	7.525	(1.005)	162659	656.958	691.972
14	Dibenzofuran	168	Compound Not Detected.					
15	Fluorene	166	8.039	8.049	(1.074)	179051	655.844	690.798
20	Phenanthrene	178	9.022	9.022	(1.003)	298607	734.519	773.667
21	Anthracene	178	9.073	9.074	(1.009)	303609	795.100	837.476
22	Fluoranthene	202	10.508	10.518	(1.168)	345990	848.807	894.046
23	Pyrene	202	10.887	10.897	(1.210)	350878	813.248	856.591
26	Benzo(a)anthracene	228	13.431	13.441	(0.998)	291859	883.920	931.030
28	Chrysene	228	13.528	13.538	(1.005)	302465	927.654	977.095
29	Benzo(b)fluoranthene	252	16.513	16.521	(1.227)	242795	878.322	925.134
30	Benzo(k)fluoranthene	252	16.593	16.600	(1.233)	260200	915.680	964.483
31	Benzo(a)pyrene	252	17.514	17.528	(1.301)	231022	868.460	914.746

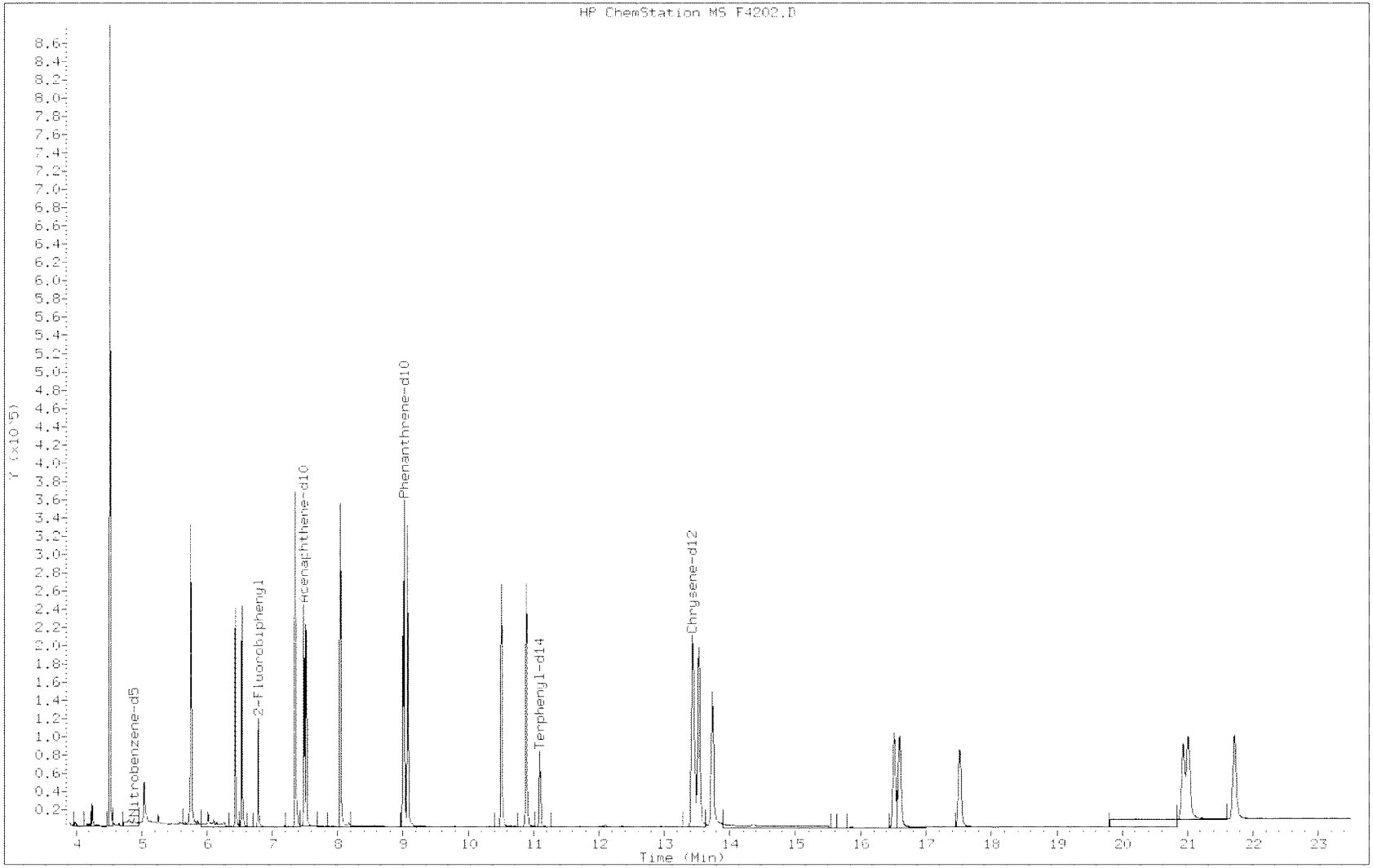
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ng/L)
34 Indeno(1,2,3-cd)pyrene	276	20.935	20.951	(1.555)	191502	787.614	829.591
33 Dibenz(a,h)anthracene	278	21.014	21.024	(1.561)	189774	791.728	833.925
35 Benzo(g,h,i)perylene	276	21.716	21.732	(1.613)	208367	834.438	878.910

Data File: F4202.D

Date: 04-MAY-2012 23:08

Client ID: 431525108371901 Instrument: F.i

Sample Info: 280-28131-r-4-gmsd Operator: vasquezk



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_F Start Date: 05/01/2012 10:34

Analysis Batch Number: 118415 End Date: 05/01/2012 14:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-118415/1		05/01/2012 10:34	1	F4122.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-118415/2		05/01/2012 10:47	1	F4123.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118415/3		05/01/2012 11:20	1	F4124.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118415/4		05/01/2012 11:50	1	F4125.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118415/5		05/01/2012 12:20	1	F4126.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118415/6		05/01/2012 12:50	1	F4127.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118415/7		05/01/2012 13:20	1	F4128.D	Vf-5MS (30.25) 0.25(mm)
IC 280-118415/8		05/01/2012 13:50	1	F4129.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-118415/9		05/01/2012 14:20	1	F4130.D	Vf-5MS (30.25) 0.25(mm)

8270C SIM

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MSS_F Start Date: 05/04/2012 15:52

Analysis Batch Number: 118594 End Date: 05/05/2012 01:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-118594/1		05/04/2012 15:52	1	F4187.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-118594/2		05/04/2012 16:04	1	F4188.D	Vf-5MS (30.25) 0.25(mm)
MB 280-117187/1-A		05/04/2012 16:39	1	F4189.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-117187/2-A		05/04/2012 17:09	1	F4190.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 17:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 18:09	5		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 18:39	20		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 19:09	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 19:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 20:09	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 20:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 21:09	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 21:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 22:09	1		Vf-5MS (30.25) 0.25(mm)
280-28131-F-4-A MS		05/04/2012 22:38	1	F4201.D	Vf-5MS (30.25) 0.25(mm)
280-28131-R-4-G MSD		05/04/2012 23:08	1	F4202.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/04/2012 23:38	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/05/2012 00:08	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/05/2012 00:37	1		Vf-5MS (30.25) 0.25(mm)
280-28076-1	MW02	05/05/2012 01:07	4	F4206.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		05/05/2012 01:37	1		Vf-5MS (30.25) 0.25(mm)

8270C SIM

GC/MS SVOAContinuing Calibration Review Checklist
Denver

TestAmerica

Instrument ID and Date: F 050412

Check Method Used: Analysis ☐ 625 ☐ 8270 ☒ Other SV PAHSIM

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?			—	NA	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?			—	NA	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: KGV Date: 050412

2nd Level Reviewer: MM Date: 5/7/12

Revision 0
9/28/10
G:\QA\Edit\Forms\Data Review\GCMS SVOA CCV

KLN 050712

C:\MSDCHEM\1\DATA\050412.B\

Vial		Mult	Sample Name	Batch	Injected
98	F4186.D	1	RINSE		04 May 12 15:42
1	F4187.D	1	MS-DFTPP_00031,,		04 May 12 15:52
2	F4188.D	1	CCV-1316929,,SIM0600		04 May 12 16:04
3	F4189.D	1	mb280-117187_1-a		04 May 12 16:39
4	F4190.D	1	lcs280-117187_2-a		04 May 12 17:09
5	F4191.D	1	280-27624-a-2-j		04 May 12 17:39
6	F4192.D	1	280-28115-d-10-a,5,		04 May 12 18:09
7	F4193.D	1	280-28115-d-10-a,20,		04 May 12 18:39
8	F4194.D	1	280-28115-j-12-a		04 May 12 19:09
9	F4195.D	1	280-28115-l-12-ams		04 May 12 19:39
10	F4196.D	1	280-28115-h-12-amsd		04 May 12 20:09
11	F4197.D	1	280-28131-f-1-a		04 May 12 20:39
12	F4198.D	1	280-28131-d-2-a		04 May 12 21:09
13	F4199.D	1	280-28131-f-3-a		04 May 12 21:39
14	F4200.D	1	280-28131-g-4-a		04 May 12 22:09
15	F4201.D	1	280-28131-f-4-ams		04 May 12 22:38
16	F4202.D	1	280-28131-r-4-gmsd		04 May 12 23:08
17	F4203.D	1	280-28131-d-5-a		04 May 12 23:38
18	F4204.D	1	280-28131-c-6-a		05 May 12 12:08
19	F4205.D	1	280-28076-b-1-a		05 May 12 12:37
20	F4206.D	1	280-28076-b-1-a,4,		05 May 12 01:07
21	F4207.D	1	280-27933-a-3-b		05 May 12 01:37
22	F4208.D	1	280-27933-a-3-b,10, RR@20x		05 May 12 02:06
96	F4209.D	1	RINSE		05 May 12 02:36
97	F4210.D	1	RINSE		05 May 12 03:05
98	F4211.D	1	RINSE		05 May 12 03:35
98	F4212.D	1	RINSE		05 May 12 04:04
98	F4213.D	1	RINSE		05 May 12 04:34
98	F4214.D	1	RINSE		05 May 12 05:04

Diluent Solvent Lot # K41503

Circle: SOP: DV-MS-0011 (8270C/625) ~~or DV-MS-0002 (PAH SIM) or~~ DV-MS-0005 (PAH for CSLP)

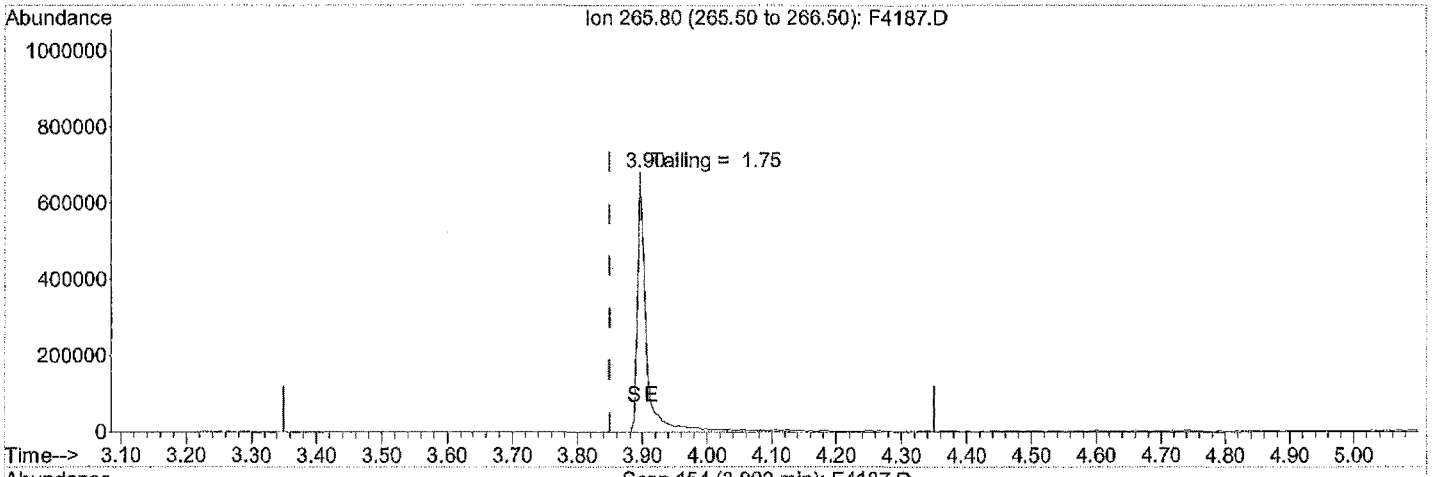
Daily Maintenance Performed: front end, cut ~ 12"

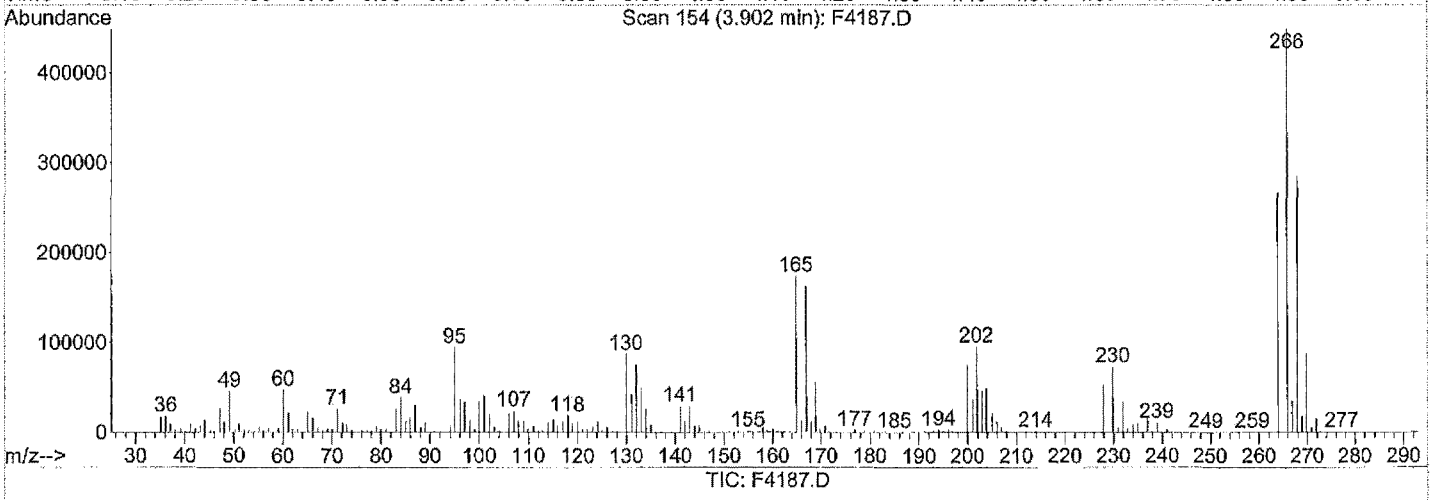
KLN 050712

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\050412.B\
Data File : F4187.D
Acq On : 4 May 2012 3:52 pm
Operator : vasquezk
Sample : MS-DFTPP_00031,,
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:00:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPC.M
Quant Title :
QLast Update : Thu Jan 26 22:22:15 2006
Response via : Initial Calibration





TIC: F4187.D

(1) Pentachlorophenol (Tailing<5)

3.900min (+0.050) 0.00ng/uL

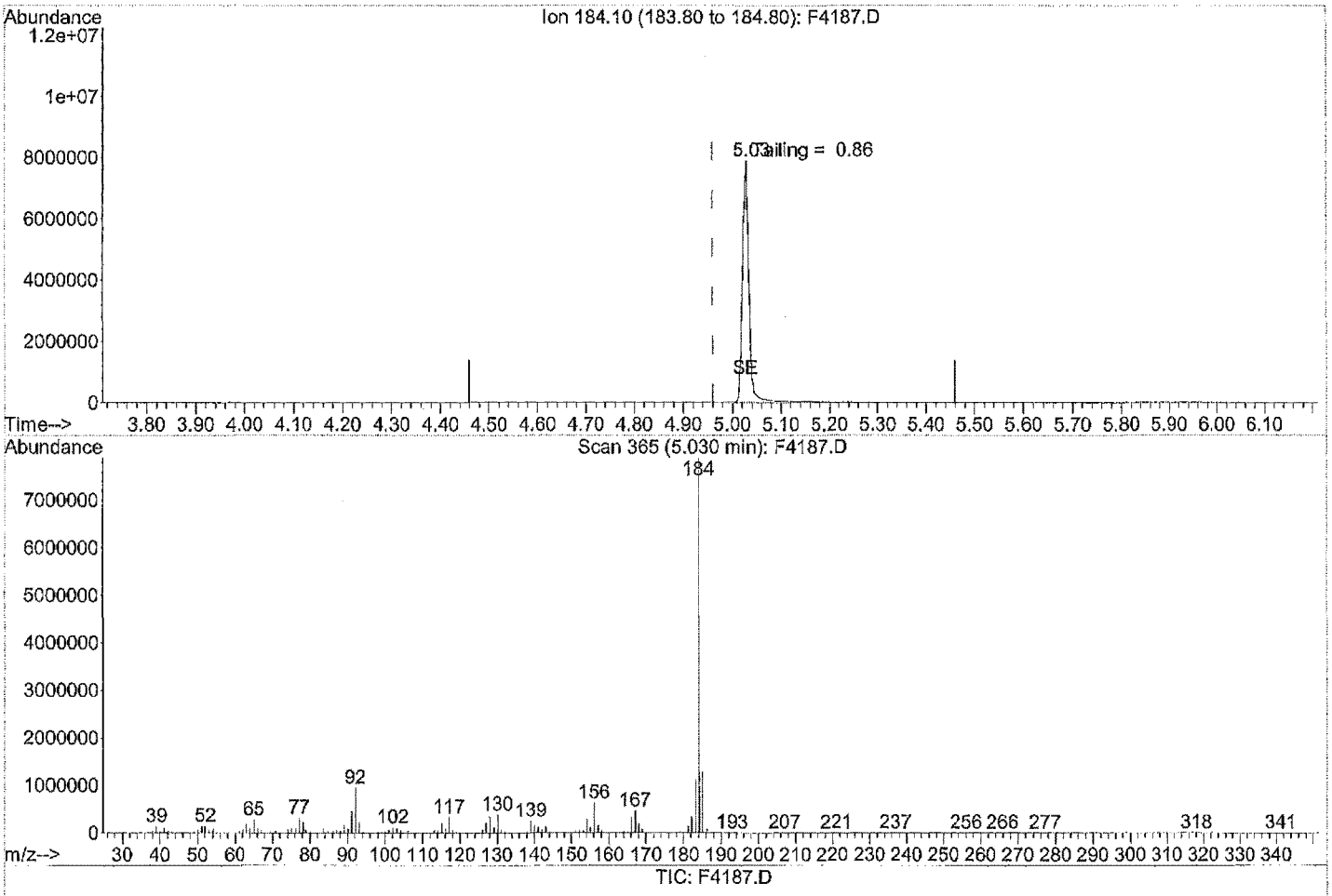
response 6193605

Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\050412.B\
Data File : F4187.D
Acq On : 4 May 2012 3:52 pm
Operator : vasquezk
Sample : MS-DFTPP_00031,,
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:00:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPC.M
Quant Title :
QLast Update : Thu Jan 26 22:22:15 2006
Response via : Initial Calibration



(3) Benzidine (Tailing<3)

5.031min (+0.071) 0.00ng/uL

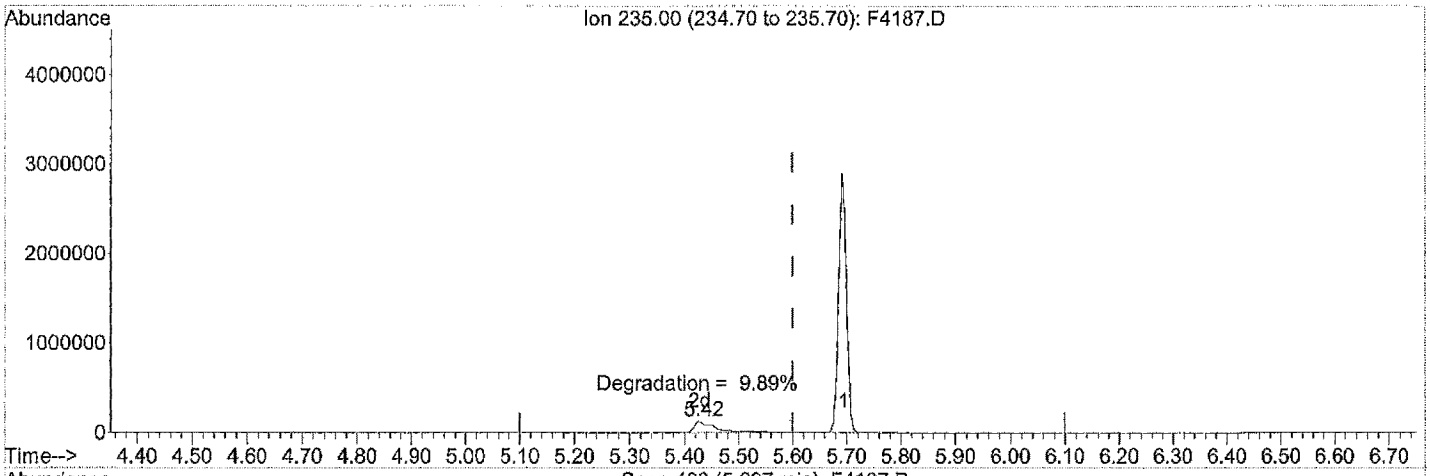
response 71162783

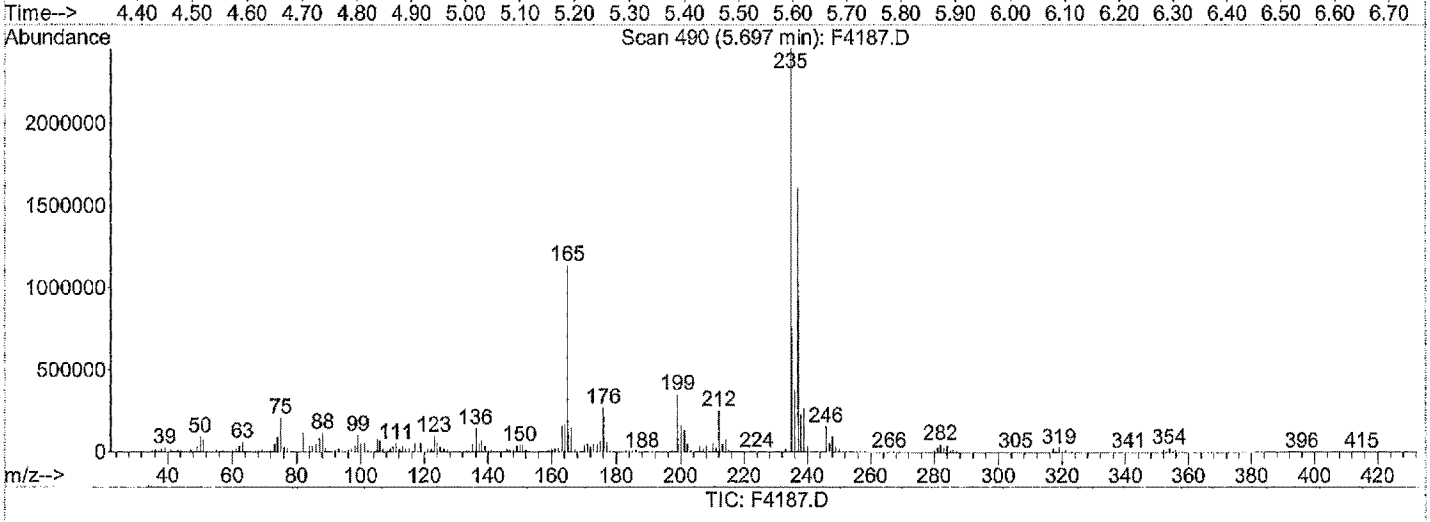
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\050412.B\
Data File : F4187.D
Acq On : 4 May 2012 3:52 pm
Operator : vasquezk
Sample : MS-DFTPP_00031,,
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:00:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPC.M
Quant Title :
QLast Update : Thu Jan 26 22:22:15 2006
Response via : Initial Calibration





TIC: F4187.D

(4) 4,4'-DDT (Degradation<20%)

5.695min (+0.095) 0.00ng/uL

response 29499830

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: F 050112
Calibration Event 9271 Batch 118415

Check Method Used: Analysis ☐ 625 ☐ 8270 ☒ Other SV PAHSIM

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	NA	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?			✓	NA	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	NA	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	DoD V4 +- 20%R

2-Methylnaphthalene calibrated to 10ug/mL

1st Level Reviewer: KGY Date: 050412

2nd Level Reviewer: MM Date: 5/4/12

Revision 0
09/28/2010
G:\QA\Edit\Forms|GCMS SVOA ICAL

KJV 050412

C:\MSDCHEM\1\DATA\050112.B\

Vial		Mult	Sample Name	Batch	Injected
98	F4117.D	1	RINSE		01 May 12 08:43
1	F4118.D	1	MS-DFTPP_00030,,		01 May 12 08:53
2	F4119.D	1	CCV-1316929,,SIM0600 ↑ No Re ICAL		01 May 12 09:05
98	F4120.D	1	RINSE		01 May 12 09:37
98	F4121.D	1	RINSE		01 May 12 10:07
1	F4122.D	1	MS-DFTPP_00030,,		01 May 12 10:34
2	F4123.D	1	ICIS-1316929,,SIM0600		01 May 12 10:47
3	F4124.D	1	IC-1316926,,SIM0020		01 May 12 11:20
4	F4125.D	1	IC-1316927,,SIM0100		01 May 12 11:50
5	F4126.D	1	IC-1316928,,SIM0300		01 May 12 12:20
6	F4127.D	1	IC-1316930,,SIM1200		01 May 12 12:50
7	F4128.D	1	IC-1316931,,SIM2500		01 May 12 13:20
8	F4129.D	1	IC-1316932,,SIM5000		01 May 12 13:50
9	F4130.D	1	ICV-1316937,,SIMSSV		01 May 12 14:20

Diluent Solvent Lot # K41503

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

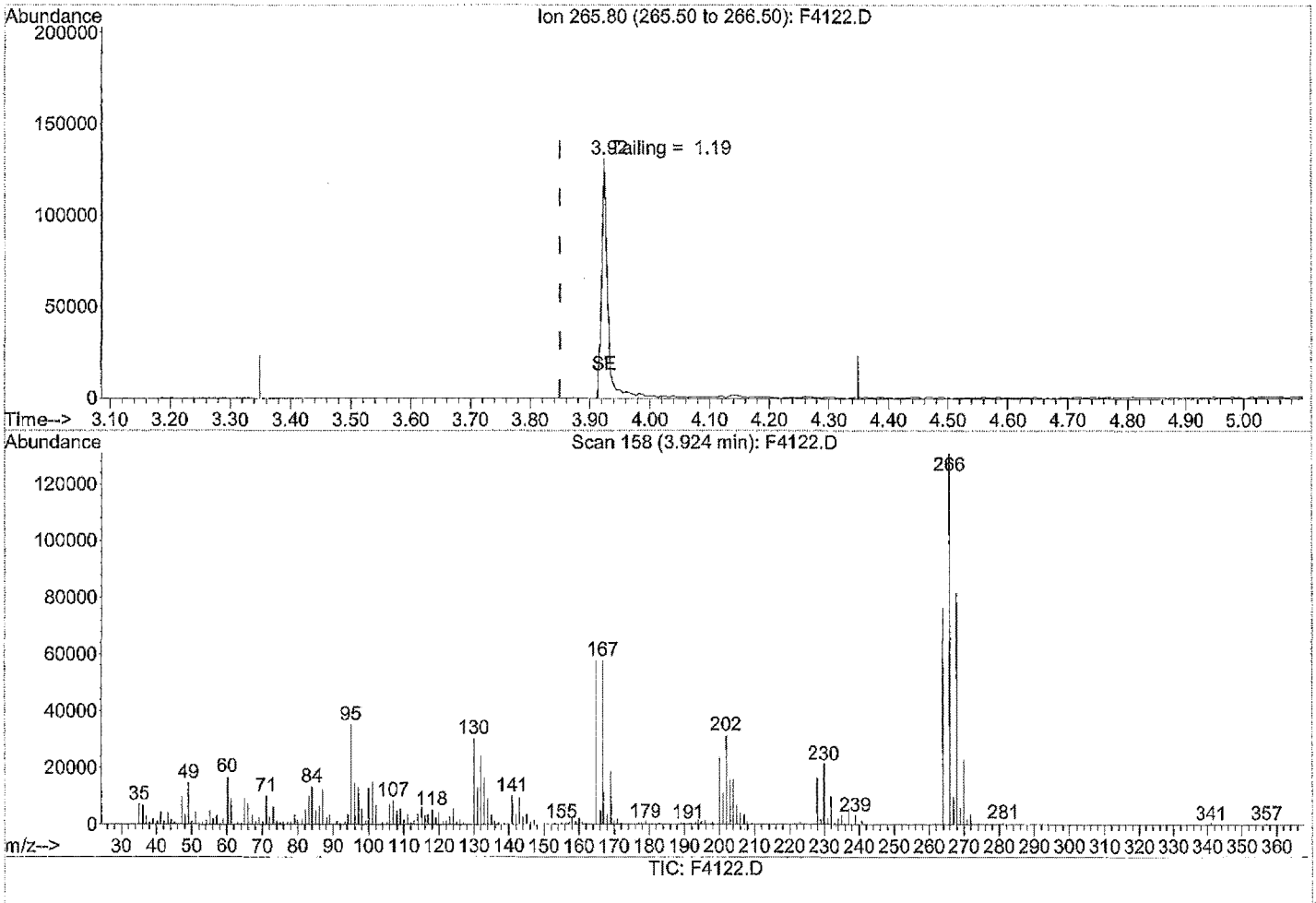
Daily Maintenance Performed: front end, cut ~12"

KJV 050412

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\050112.B\
Data File : F4122.D
Acq On : 1 May 2012 10:34 am
Operator : vasquezk
Sample : MS-DFTPP_00030,,
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 10:45:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPC.M
Quant Title :
QLast Update : Thu Jan 26 22:22:15 2006
Response via : Initial Calibration



(1) Pentachlorophenol (Tailing<5)

3.926min (+0.076) 0.00ng/uL

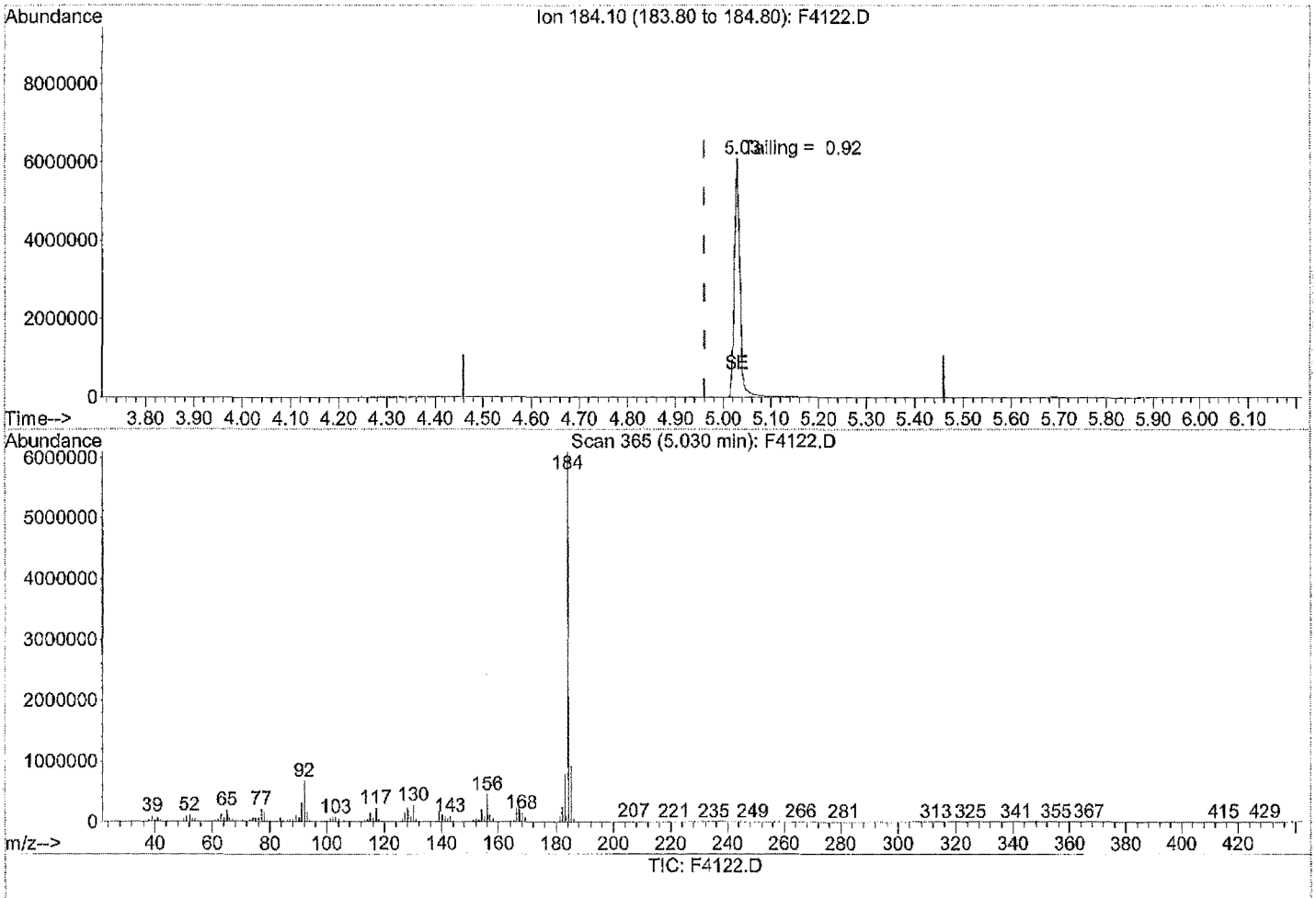
response 830996

Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\050112.B\
Data File : F4122.D
Acq On : 1 May 2012 10:34 am
Operator : vasquezk
Sample : MS-DFTPP_00030,,
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 10:45:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPC.M
Quant Title :
QLast Update : Thu Jan 26 22:22:15 2006
Response via : Initial Calibration



(3) Benzidine (Tailing<3)

5.031min (+0.071) 0.00ng/uL

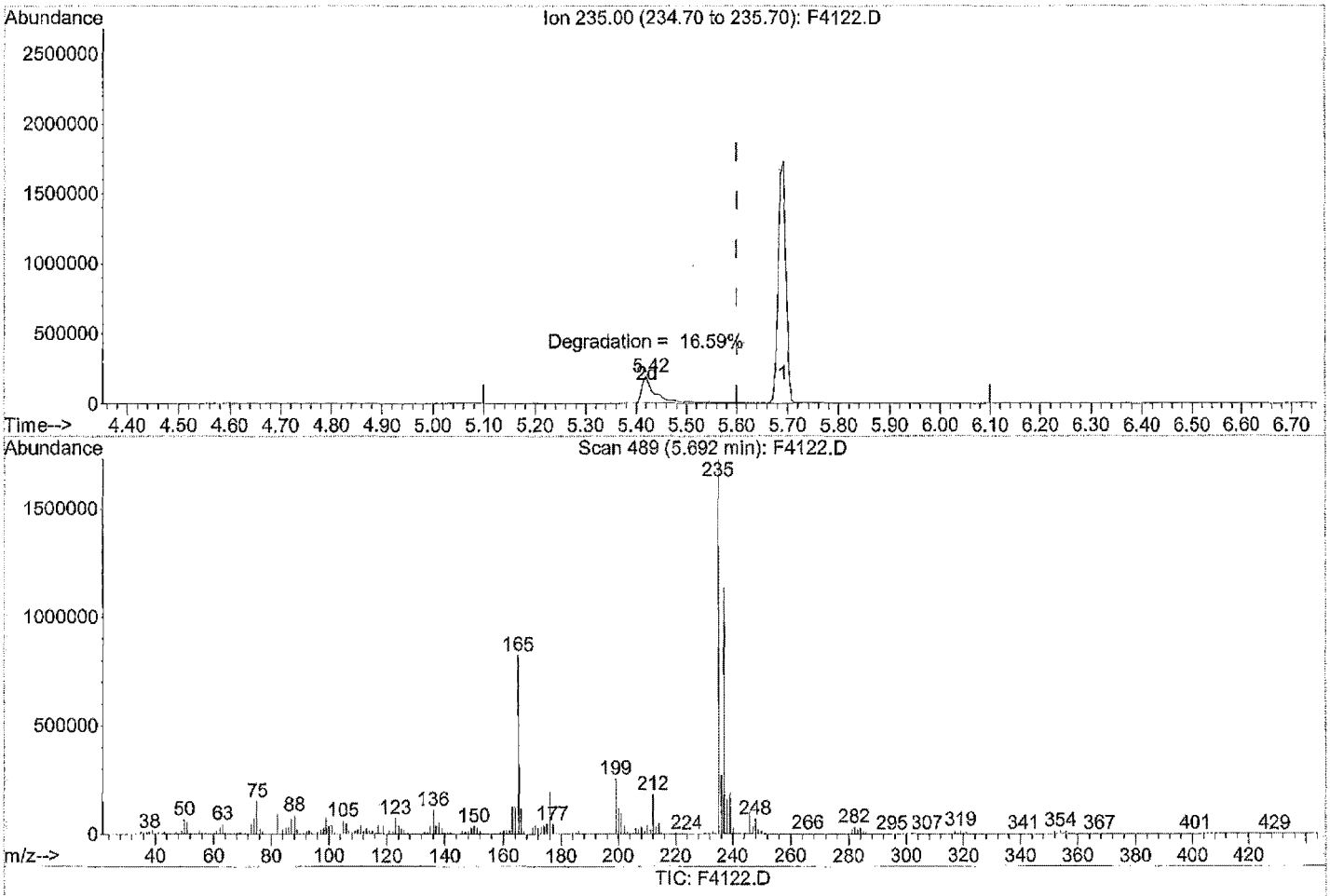
response 50482438

Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\050112.B\
Data File : F4122.D
Acq On : 1 May 2012 10:34 am
Operator : vasquezk
Sample : MS-DFTPP_00030,,
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 10:45:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPC.M
Quant Title :
QLast Update : Thu Jan 26 22:22:15 2006
Response via : Initial Calibration



(4) 4,4'-DDT (Degradation<20%)

5.692min (+0.092) 0.00ng/uL

response 18079251

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117187 Batch Start Date: 04/26/12 17:00 Batch Analyst: Moan, Matthew R

Batch Method: 3510C Batch End Date: 05/01/12 21:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	Initial Amount	Final Amount	8270 SIM Surr 00028
MB 280-117187/1		3510C, 8270C SIM		7 SU			1000 mL	1000 uL	1 mL
LCS 280-117187/2		3510C, 8270C SIM		7 SU			1000 mL	1000 uL	1 mL
280-28131-F-4 MS		3510C, 8270C SIM	T	9 SU	1489.2 g	501.5 g	987.7 mL	1000 uL	1 mL
280-28131-R-4 MSD		3510C, 8270C SIM	T	9 SU	1449.6 g	500.2 g	949.4 mL	1000 uL	1 mL
280-28076-B-1	MW02	3510C, 8270C SIM	T	11 SU	1487.4 g	494.7 g	992.7 mL	1000 uL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8270SIMPAHLCS 00004					
MB 280-117187/1		3510C, 8270C SIM							
LCS 280-117187/2		3510C, 8270C SIM		1 mL					
280-28131-F-4 MS		3510C, 8270C SIM	T	1 mL					
280-28131-R-4 MSD		3510C, 8270C SIM	T	1 mL					
280-28076-B-1	MW02	3510C, 8270C SIM	T						

Batch Notes	
Batch Comment	DV_OP_00006/00007 NaCl:k47601 H2O:Elga BAL: 24750399
Person's name who did the concentration	SmileyK/MoanM
Na2SO4 Lot Number	K34587_00002
Oven, Bath or Block Temperature 1	B @ 84 C
Prep Solvent Lot #	MeCl2_Cycl_00030
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	MoanM/FlynnS s/s: MM PIP: I
Person's name who witnessed reagent drop	Reviewer: FlynnS
Sufficient volume for MS/MSD?	YES

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117187 Batch Start Date: 04/26/12 17:00 Batch Analyst: Moan, Matthew R

Batch Method: 3510C Batch End Date: 05/01/12 21:20

Basis	Basis Description
T	Total/NA

Method 8015B - GRO

Gasoline Range Organics (GC) by Method 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water 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	TFT1	#	TFT2	#
MW02	280-28076-1			96	
MW02 (UNPRESERVED)	280-28076-2	117	X		
	MB 280-117506/5	89			
	MB 280-117914/5			96	
	LCS 280-117506/3	91			
	LCS 280-117914/3			109	
	LCSD 280-117506/4	94			
	LCSD 280-117914/4			109	
	280-28131-A-12 MS	0	X		
	280-28131-BN-4 MS			105	
	280-28131-A-12 MSD	0	X		
	280-28131-BN-4 MSD			102	

	QC LIMITS
TFT = a, a, a-Trifluorotoluene	82-110

Column to be used to flag recovery values

FORM II 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 113F0301.D

Lab ID: LCS 280-117506/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	101	113	112	79-149	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 103F0301.D

Lab ID: LCS 280-117914/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	101	114	113	79-149	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 114F0401.D

Lab ID: LCSD 280-117506/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Gasoline Range Organics (GRO)-C6-C10	101	111	110	2	27	79-149	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 104F0401.D

Lab ID: LCSD 280-117914/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	101	102	101	11	27	79-149	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 202F0801.D

Lab ID: 280-28131-A-12 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	202	1100	1290	115	79-149	4

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 107F0701.D

Lab ID: 280-28131-BN-4 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	202	700	935	116	79-149	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 203F0901.D

Lab ID: 280-28131-A-12 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	202	1210	74	7	27	79-149	4

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 108F0801.D

Lab ID: 280-28131-BN-4 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Gasoline Range Organics (GRO)-C6-C10	202	1020	160	9	27	79-149	F

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM I V
GASOLI NE RANGE ORGANI CS METHOD BLANK SUMMARY

Lab Name: Test Ameri ca Denver Job No.: 280-28076-1

SDG No.:

Lab Sampl e I D: MB 280-117506/ 5

Mat ri x: Wat er Dat e Ext ract ed: 04/ 27/ 2012 13: 40

Lab Fi l e I D: (1) 115F0501. D Lab Fi l e I D: (2)

Dat e Anal yzed: (1) 04/ 27/ 2012 13: 40 Dat e Anal yzed: (2)

I nst rument I D: (1) GCV_B I nst rument I D: (2)

GC Col umn: (1) RTX 502. 2 I D: 0. 53(mm) GC Col umn: (2) I D:

THI S METHOD BLANK APPLI ES TO THE FOLLOWI NG SAMPLES:

CLI ENT SAMPLE I D	LAB SAMPLE I D	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-117506/ 3	04/ 27/ 2012 12: 36	
	LCSD 280-117506/ 4	04/ 27/ 2012 13: 08	
MW02 (UNPRESERVED)	280-28076-2	04/ 27/ 2012 15: 10	
	280-28131-A-12 MS	04/ 27/ 2012 16: 15	
	280-28131-A-12 MSD	04/ 27/ 2012 16: 47	

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: MB 280-117914/5

Matrix: Water Date Extracted: 05/01/2012 14:57

Lab File ID: (1) Lab File ID: (2) 105F0501.D

Date Analyzed: (1) Date Analyzed: (2) 05/01/2012 14:57

Instrument ID: (1) Instrument ID: (2) GCV_K

GC Column: (1) ID: 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 280-117914/3		05/01/2012 13:33
	LCSD 280-117914/4		05/01/2012 14:15
	280-28131-BN-4 MS		05/01/2012 17:06
	280-28131-BN-4 MSD		05/01/2012 17:49
MW02	280-28076-1		05/01/2012 18:31

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Sample No.: CCVRT 280-117506/2 | Date Analyzed: 04/27/2012 10:22

Instrument ID: GCV_B | GC Column: RTX 502.2 (105) ID: 0.53(mm)

Lab File ID (Standard): 112F0201.D | Heated Purge: (Y/N) N

Calibration ID: 8797

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT RT #		
CONTINUING CALIBRATION SURROGATE				7.85		
UPPER LIMIT				7.90		
LOWER LIMIT				7.80		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-117506/2		04/27/2012 10:22	112F0201.D	7.85		
LCS 280-117506/3		04/27/2012 12:36	113F0301.D	7.85		
LCSD 280-117506/4		04/27/2012 13:08	114F0401.D	7.85		
MB 280-117506/5		04/27/2012 13:40	115F0501.D	7.85		
280-28076-2	MW02 (UNPRESERVED)	04/27/2012 15:10	116F0601.D	7.86		
280-28131-A-12 MS		04/27/2012 16:15	202F0801.D	0.00		
280-28131-A-12 MSD		04/27/2012 16:47	203F0901.D	0.00		
CCV 280-117506/10		04/27/2012 17:20	204F1001.D	7.86		

TFT = a,a,a-Trifluorotoluene

TFT RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Sample No.: CCVRT 280-117914/2 Date Analyzed: 05/01/2012 12:27

Instrument ID: GCV_K GC Column: RTX 502.2 (60) ID: 0.53(mm)

Lab File ID (Standard): 102F0201.D Heated Purge: (Y/N) N

Calibration ID: 9056

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT RT #		
CONTINUING CALIBRATION SURROGATE				10.55		
UPPER LIMIT				10.60		
LOWER LIMIT				10.50		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-117914/2		05/01/2012 12:27	102F0201.D	10.55		
LCS 280-117914/3		05/01/2012 13:33	103F0301.D	10.53		
LCSD 280-117914/4		05/01/2012 14:15	104F0401.D	10.54		
MB 280-117914/5		05/01/2012 14:57	105F0501.D	10.55		
280-28131-BN-4 MS		05/01/2012 17:06	107F0701.D	10.54		
280-28131-BN-4 MSD		05/01/2012 17:49	108F0801.D	10.54		
280-28076-1	MW02	05/01/2012 18:31	109F0901.D	10.54		
CCV 280-117914/14		05/01/2012 22:03	114F1401.D	10.53		

TFT = a,a,a-Trifluorotoluene

TFT RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: 109F0901.D

Analysis Method: 8015B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 0.25(mL) | Date Analyzed: 05/01/2012 18:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (60) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117914 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	6800		500	200

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	96		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\109F0901.D
Lab Smp Id: 280-28076-V-1 Client Smp ID: MW02
Inj Date : 01-MAY-2012 18:31
Operator : AMB Inst ID: GC_K.i
Smp Info : 280-28076-V-1
Misc Info : 280-28076-V-1
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret Quant Type: ESTD
Cal Date : 11-APR-2012 19:01 Cal File: 202F0801.D
Als bottle: 109
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	0.25000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	2 Trifluorotoluene	10.536	10.550	-0.014	103670	28.8465	576.930 (M)
S	3 GRO - C6 to C10	6.470-22.423			968749	341.521	6830.43 (M)
	4 1-Chloro-4-Fluorobenzene	15.343	15.356	-0.013	106029	30.6672	613.344 (M)
$	1 Chlorobenzene	15.676	15.690	-0.014	127337	29.8769	597.538 (M)

QC Flag Legend

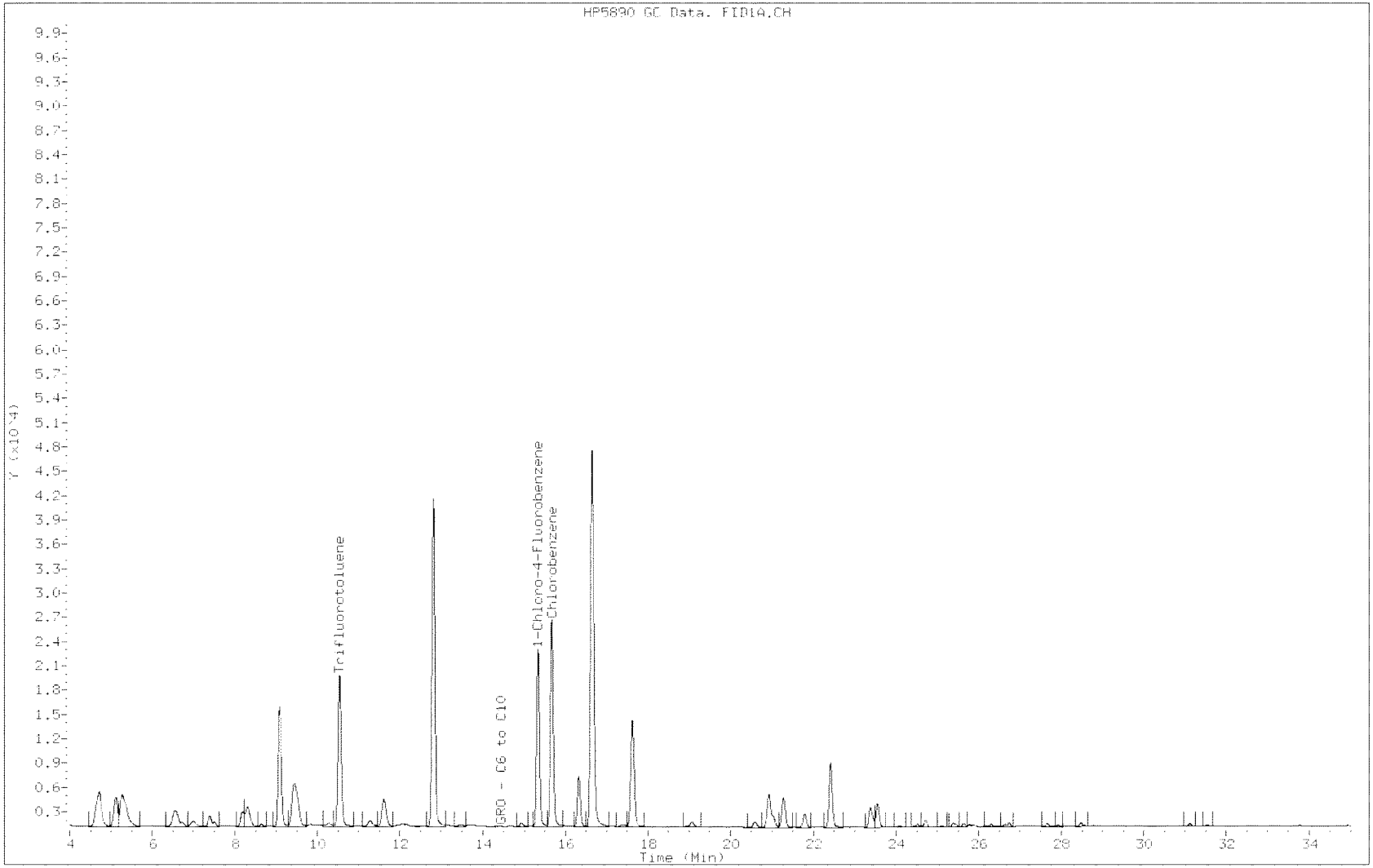
M - Compound response manually integrated.

Data File: 109F0901.D

Date: 01-MAY-2012 18:31

Client ID: MW02 Instrument: GC_K.i

Sample Info: 280-28076-V-1 Operator: AMB



Manual Integration Report

Data File: 109F0901.D
Inj. Date and Time: 01-MAY-2012 18:31
Instrument ID: GC_K.i
Client ID: MW02
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

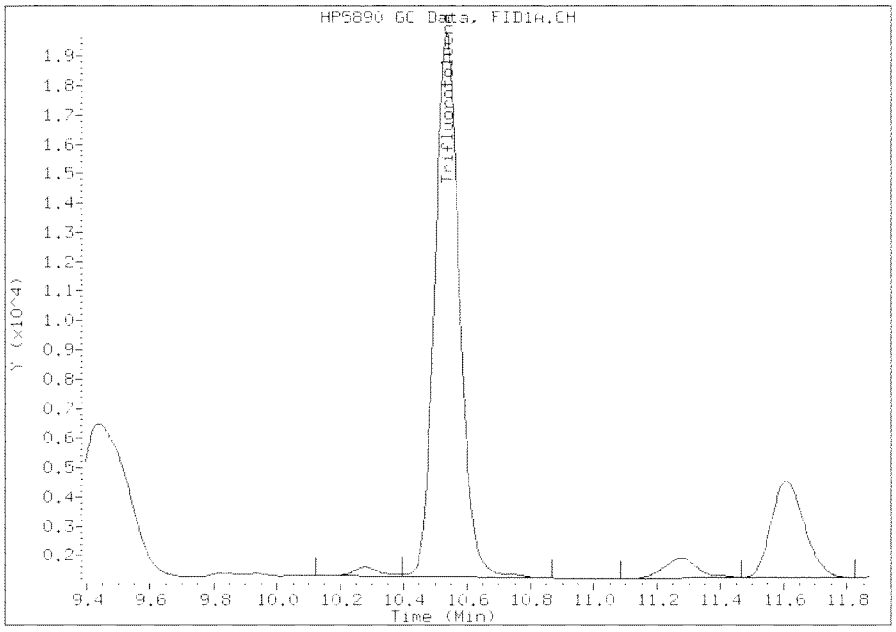
Processing Integration Results

RT: 10.54

Response: 100923

Amount: 28.08

Conc: 561.57



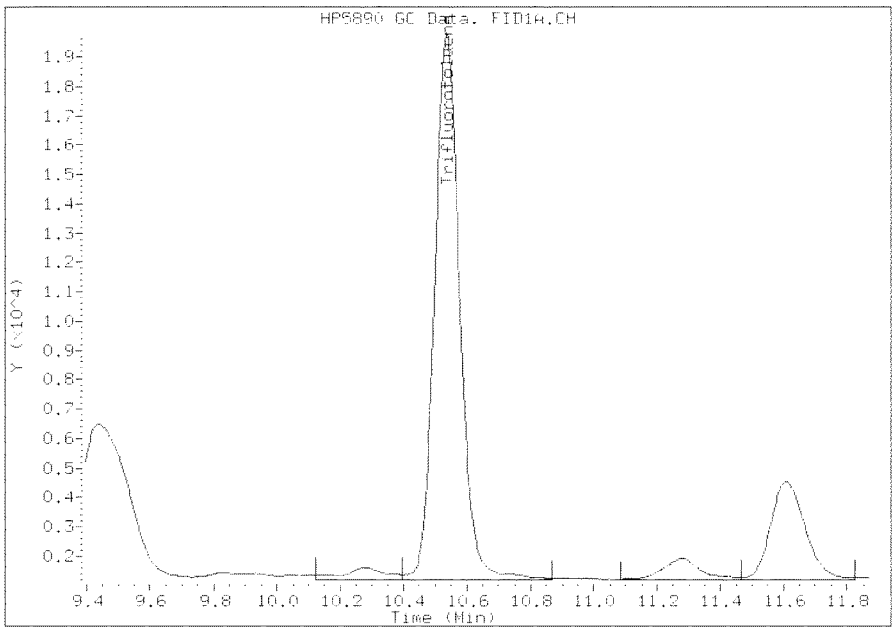
Manual Integration Results

RT: 10.54

Response: 103670

Amount: 28.85

Conc: 576.93



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 109F0901.D
Inj. Date and Time: 01-MAY-2012 18:31
Instrument ID: GC_K.i
Client ID: MW02
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

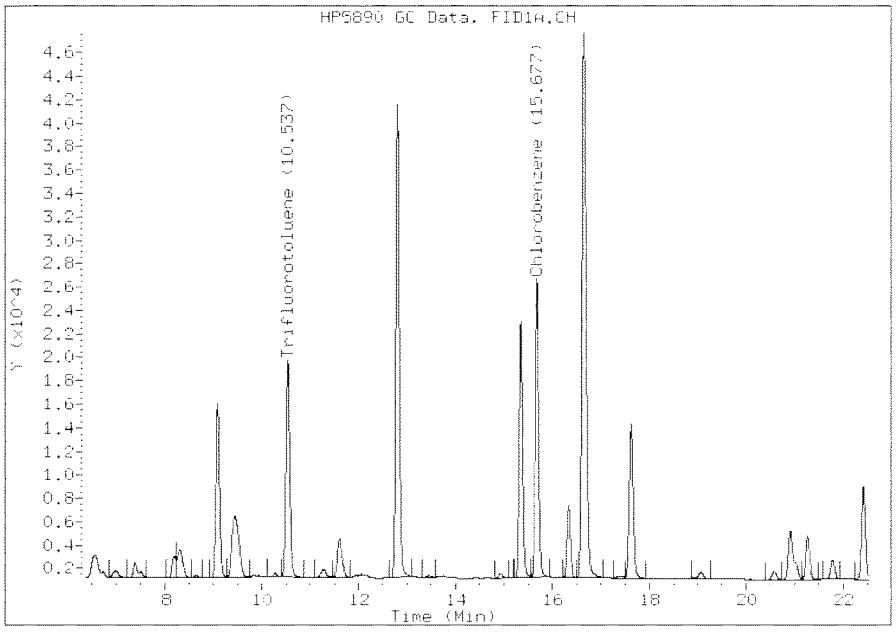
Processing Integration Results

RT: 14.45

Response: 934043

Amount: 329.41

Conc: 6588.12



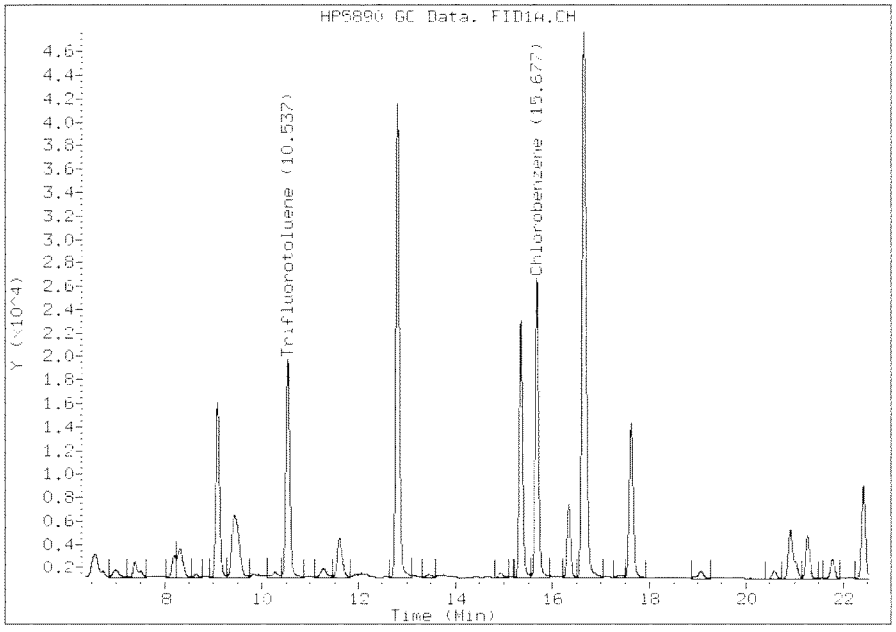
Manual Integration Results

RT: 14.45

Response: 968749

Amount: 341.52

Conc: 6830.43



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 (UNPRESERVED) | Lab Sample ID: 280-28076-2

Matrix: Water | Lab File ID: 116F0601.D

Analysis Method: 8015B | Date Collected: 04/22/2012 15:45

Sample wt/vol: 0.25(mL) | Date Analyzed: 04/27/2012 15:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (105) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	7700		500	200

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	117	X	82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\116F0601.D
Lab Smp Id: 280-28076-AE-1 Client Smp ID: MW02
Inj Date : 27-APR-2012 15:10
Operator : AMB Inst ID: GC_B.i
Smp Info : 280-28076-AE-1
Misc Info : 280-28076-AE-1
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49 Cal File: 206F0801.D
Als bottle: 116
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	0.25000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	1 Trifluorotoluene	7.860	7.850	0.010	348890	35.1009	702.018(RM)
S	2 GRO - C6 to C10	4.413-13.840			2415240	384.488	7689.76(M)
	4 1-Chloro-4-Fluorobenzene	11.266	11.260	0.006	256162	26.9669	539.339(M)
$	5 Chlorobenzene	11.483	11.470	0.013	380475	33.0999	661.999(M)

QC Flag Legend

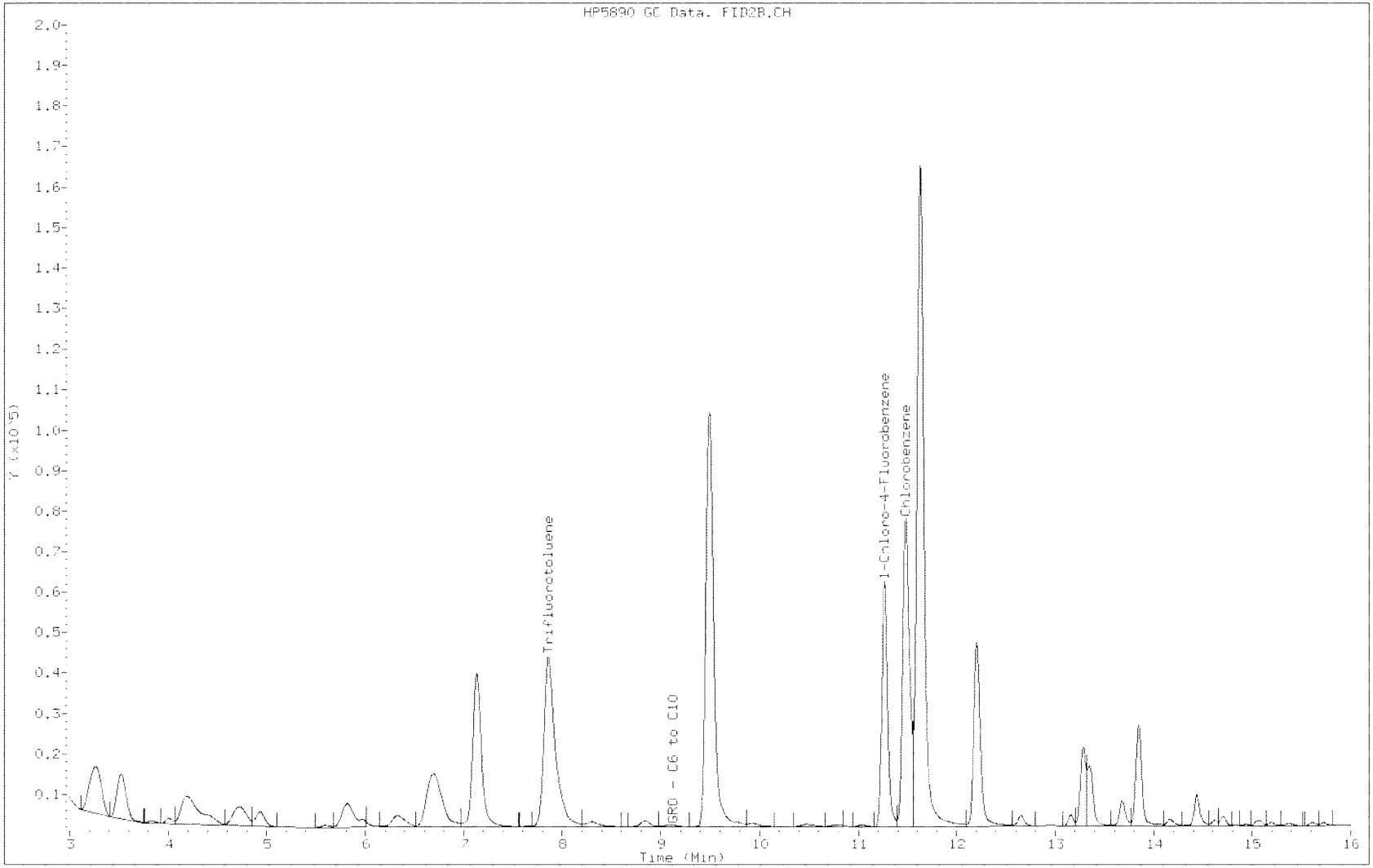
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 116F0601.D

Date: 27-APR-2012 15:10

Client ID: MW02 Instrument: GC_B.i

Sample Info: 280-28076-AE-1 Operator: AMB



Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 27-APR-2012 15:10
Instrument ID: GC_B.i
Client ID: MW02
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/30/2012

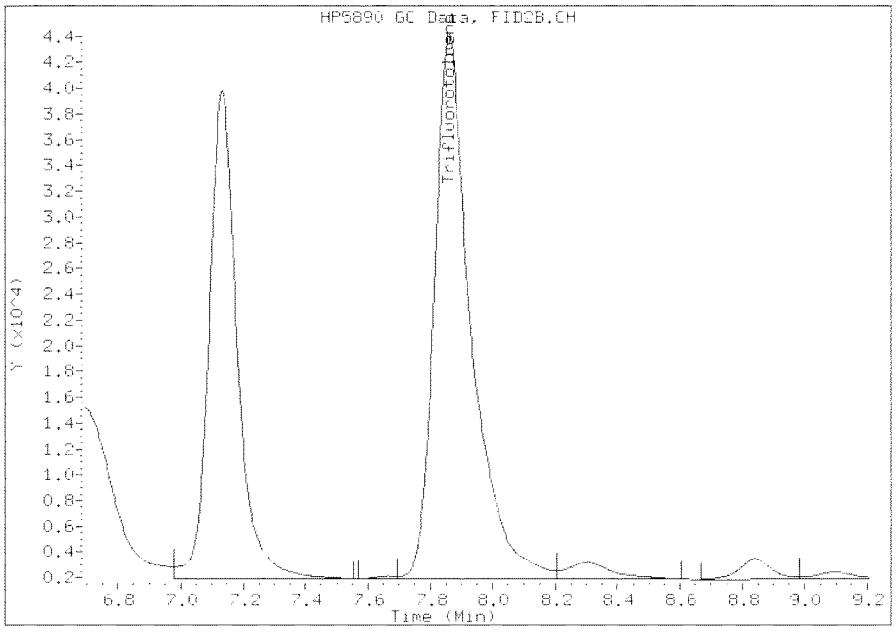
Processing Integration Results

RT: 7.86

Response: 346955

Amount: 34.91

Conc: 698.15



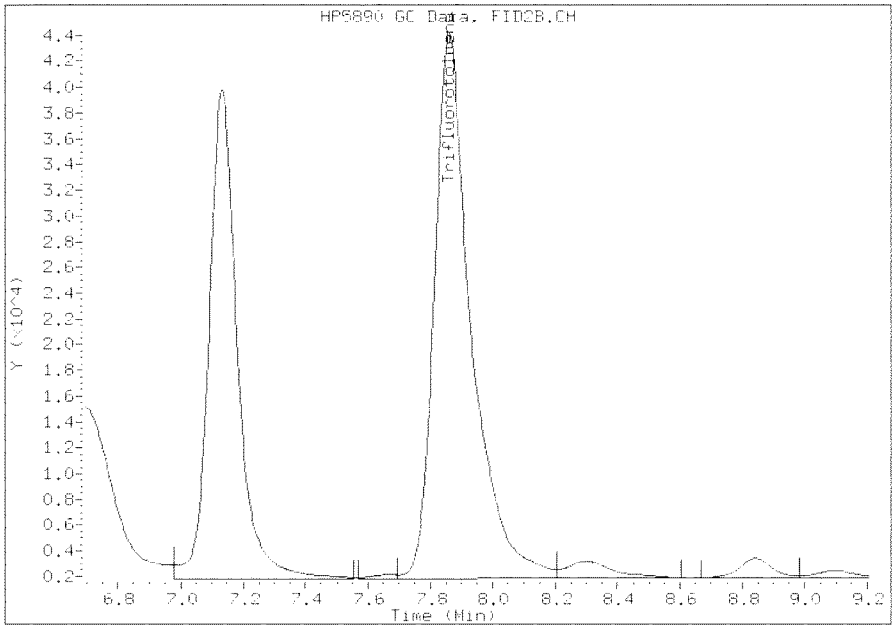
Manual Integration Results

RT: 7.86

Response: 348890

Amount: 35.10

Conc: 702.02



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 27-APR-2012 15:10
Instrument ID: GC_B.i
Client ID: MW02
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

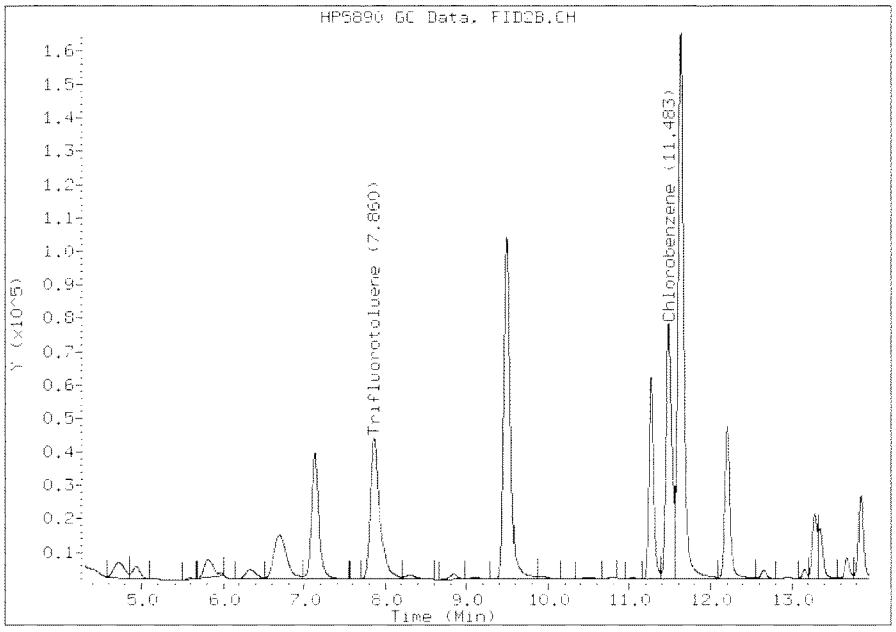
Processing Integration Results

RT: 9.13

Response: 2355899

Amount: 375.14

Conc: 7502.78



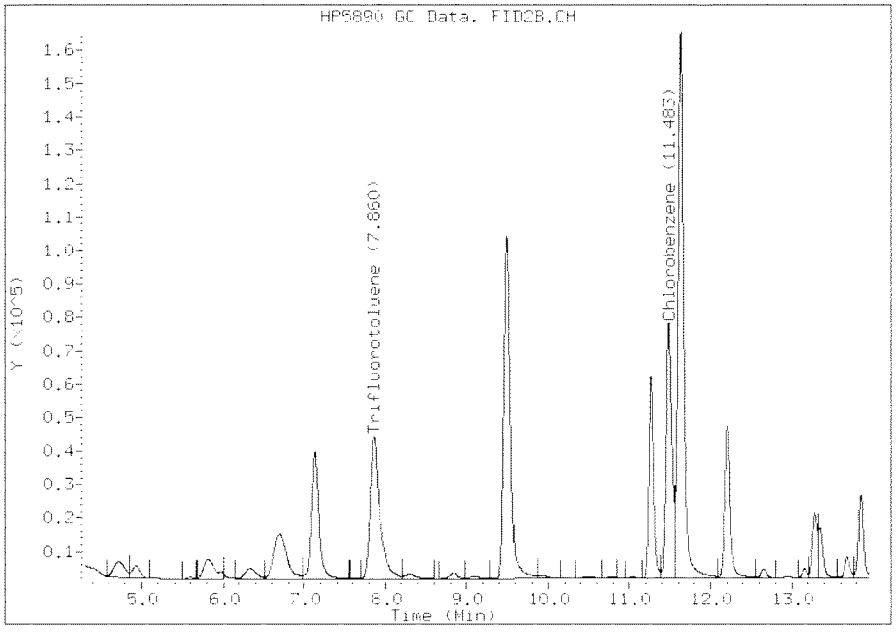
Manual Integration Results

RT: 9.13

Response: 2415240

Amount: 384.49

Conc: 7689.76



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 112259

SDG No.:

Instrument ID: GCV_B | GC Column: RTX 502.2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2012 09:46 | Calibration End Date: 03/14/2012 09:46 | Calibration ID: 8797

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112259/8	206F0801.D
Level 2	IC 280-112259/7	205F0701.D
Level 3	IC 280-112259/6	204F0601.D
Level 4	ICRT 280-112259/5	203F0501.D
Level 5	IC 280-112259/4	202F0401.D
Level 6	IC 280-112259/3	116F0301.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Gasoline Range Organics (GRO)-C6-C10	9.138	9.138	9.138	9.138	9.138	9.138					4.413 - 13.863	9.138
a,a,a-Trifluorotoluene	7.880	7.887	7.873	7.880	7.870	7.870					7.820 - 7.940	7.877

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 112259

SDG No.:

Instrument ID: GCV_B | GC Column: RTX 502.2 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2012 09:46 | Calibration End Date: 03/14/2012 09:46 | Calibration ID: 8797

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112259/8	206F0801.D
Level 2	IC 280-112259/7	205F0701.D
Level 3	IC 280-112259/6	204F0601.D
Level 4	ICRT 280-112259/5	203F0501.D
Level 5	IC 280-112259/4	202F0401.D
Level 6	IC 280-112259/3	116F0301.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 4		B	M1	M2								
Gasoline Range Organics (GRO)-C6-C10	5384.5 6446.5	5109.5 6471.6	5932.8	6403.9	Lin2	3.97455594	6347.32106							0.9947		0.9900
a,a,a-Trifluorotoluene	9691.0 9993.9	8862.1 10139	10001	10097	Lin2	0.18256153	9991.59350							0.9972		0.9900

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

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 112259

SDG No.:

Instrument ID: GCV_B | GC Column: RTX 502.2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2012 09:46 | Calibration End Date: 03/14/2012 09:46 | Calibration ID: 8797

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112259/8	206F0801.D
Level 2	IC 280-112259/7	205F0701.D
Level 3	IC 280-112259/6	204F0601.D
Level 4	ICRT 280-112259/5	203F0501.D
Level 5	IC 280-112259/4	202F0401.D
Level 6	IC 280-112259/3	116F0301.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Gasoline Range Organics (GRO)-C6-C10	Lin2	107689 6471550	255474	593281	1280770	3223268	20.0 1000	50.0	100	200	500
a,a,a-Trifluorotoluene	Lin2	29073 1520881	66466	150012	302917	749541	3.00 150	7.50	15.0	30.0	75.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\116F0301.D
Lab Smp Id: IC-1311516 L6
Inj Date : 14-MAR-2012 09:46
Operator : AMB   Inst ID: GC_B.i
Smp Info : IC-1311516 L6
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:33 GC_B.i   Quant Type: ESTD
Cal Date : 14-MAR-2012 12:03   Cal File: 203F0501.D
Als bottle: 116   Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Trifluorotoluene	7.870	7.880	-0.010	1520881	150.000	152.399(A)
S 2 GRO - C6 to C10	4.413-13.863			6471550	1000.00	1023.55(A)
S 164 Gasoline	4.413-15.733			7116375	1000.00	1024.02(AM)
S 3 C6 - C12	4.413-15.733			7116375	1000.00	999.935(M)
S 163 C5-C12	3.507-15.733			7585880	1000.00	1029.94(AM)
4 1-Chloro-4-Fluorobenzene	11.286	11.297	-0.011	1451250	150.000	152.266(AM)
$ 5 Chlorobenzene	11.500	11.506	-0.006	1746101	150.000	151.438(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 116F0301.D

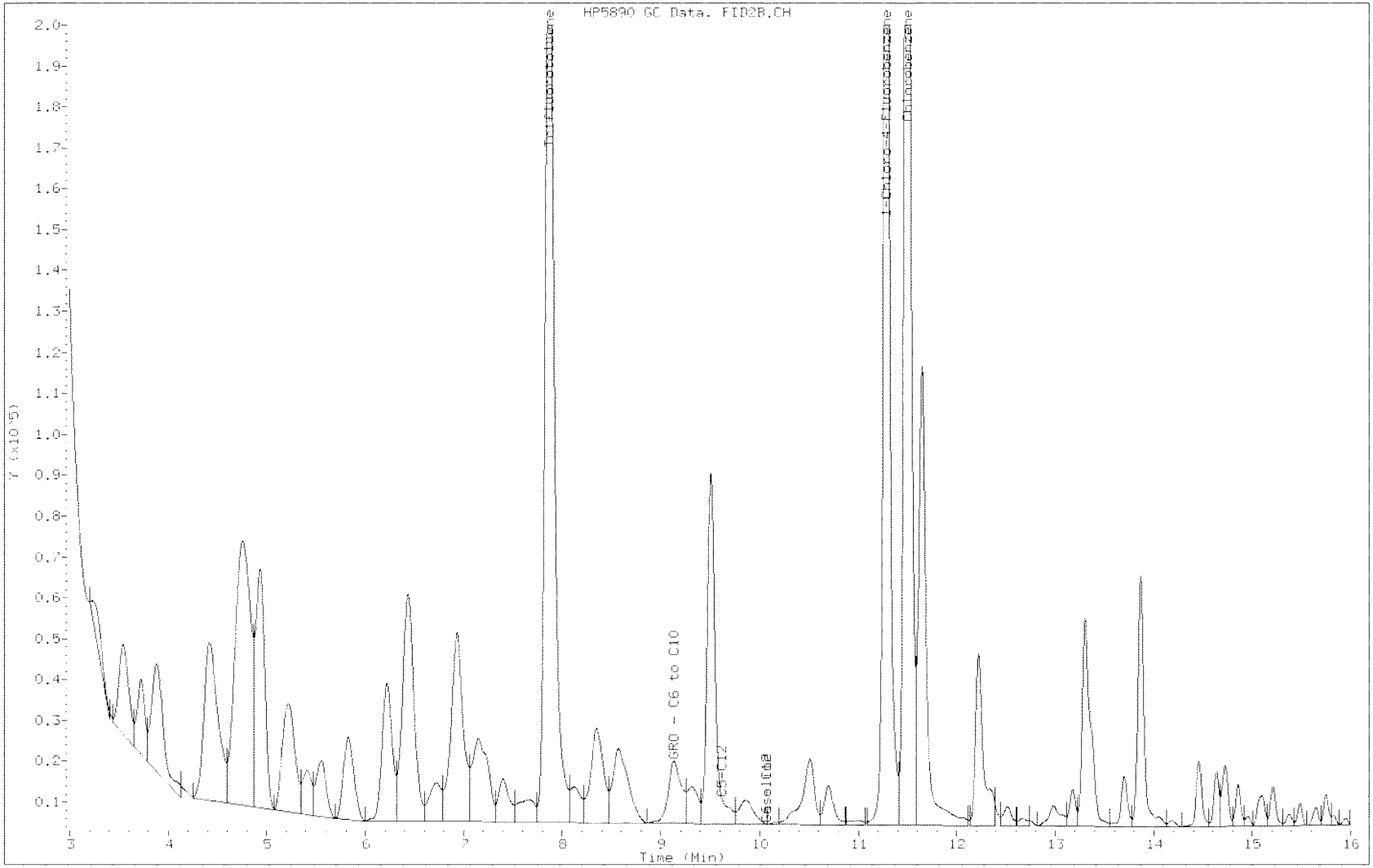
Date: 14-MAR-2012 09:46

Client ID:

Instrument: GC_B.i

Sample Info: IC-1311516 L6

Operator: AMB



Manual Integration Report

Data File: 116F0301.D
Inj. Date and Time: 14-MAR-2012 09:46
Instrument ID: GC_B.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 03/19/2012

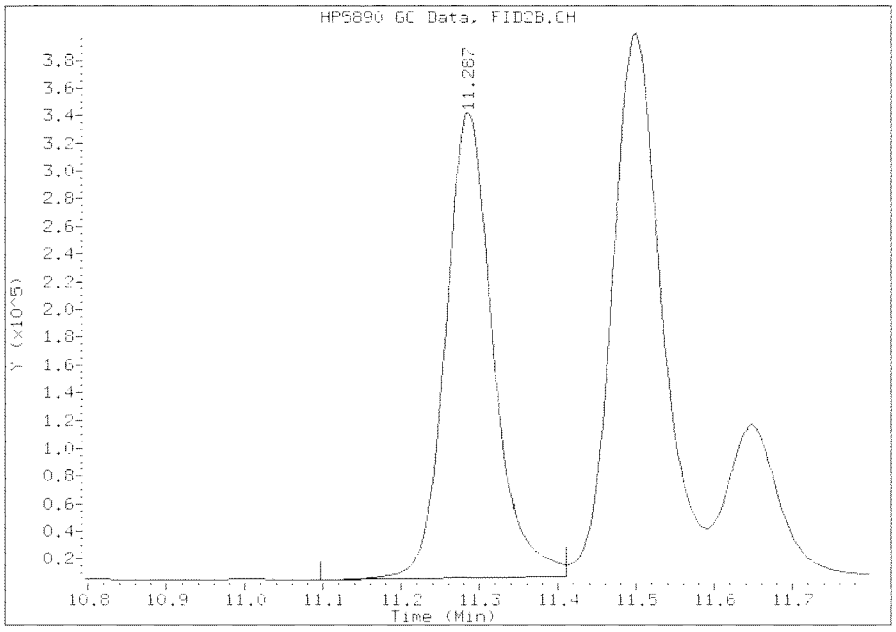
Processing Integration Results

RT: 11.29

Response: 1410271

Amount: 150.33

Conc: 150.33



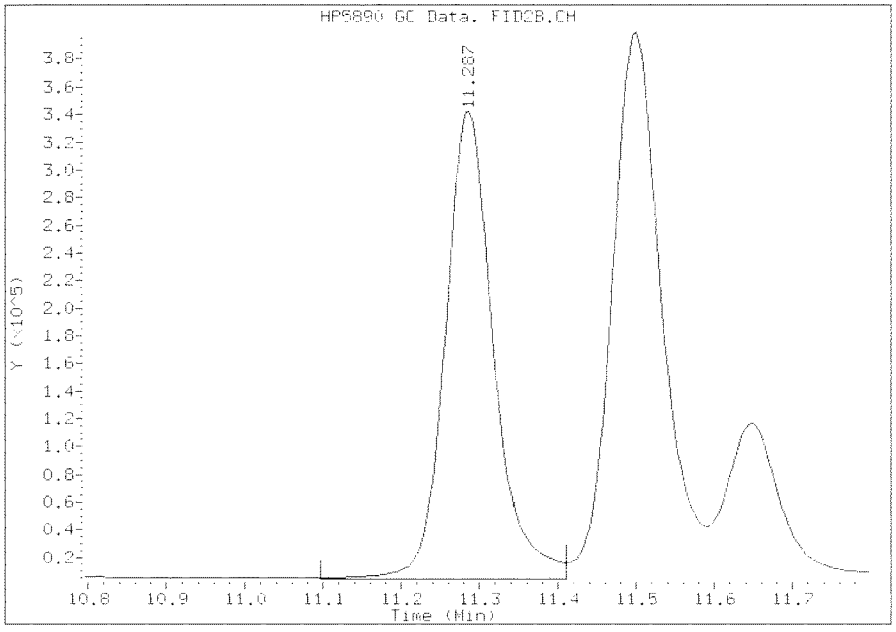
Manual Integration Results

RT: 11.29

Response: 1451250

Amount: 152.27

Conc: 152.27



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:26
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\202F0401.D
Lab Smp Id: IC-1311516 L5
Inj Date : 14-MAR-2012 10:19
Operator : AMB   Inst ID: GC_B.i
Smp Info : IC-1311516 L5
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:33 GC_B.i   Quant Type: ESTD
Cal Date : 14-MAR-2012 09:46   Cal File: 116F0301.D
Als bottle: 202   Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Trifluorotoluene	7.870	7.880	-0.010	749541	75.0000	75.1997
S 2 GRO - C6 to C10	4.413-13.863			3223268	500.000	511.790
S 164 Gasoline	4.413-15.733			3561736	500.000	514.196(AM)
S 3 C6 - C12	4.413-15.733			3561736	500.000	503.084(M)
S 163 C5-C12	3.507-15.733			3781504	500.000	513.747(M)
4 1-Chloro-4-Fluorobenzene	11.286	11.297	-0.011	725913	75.0000	76.2181(M)
$ 5 Chlorobenzene	11.500	11.506	-0.006	882466	75.0000	76.5998(M)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 202F0401.D

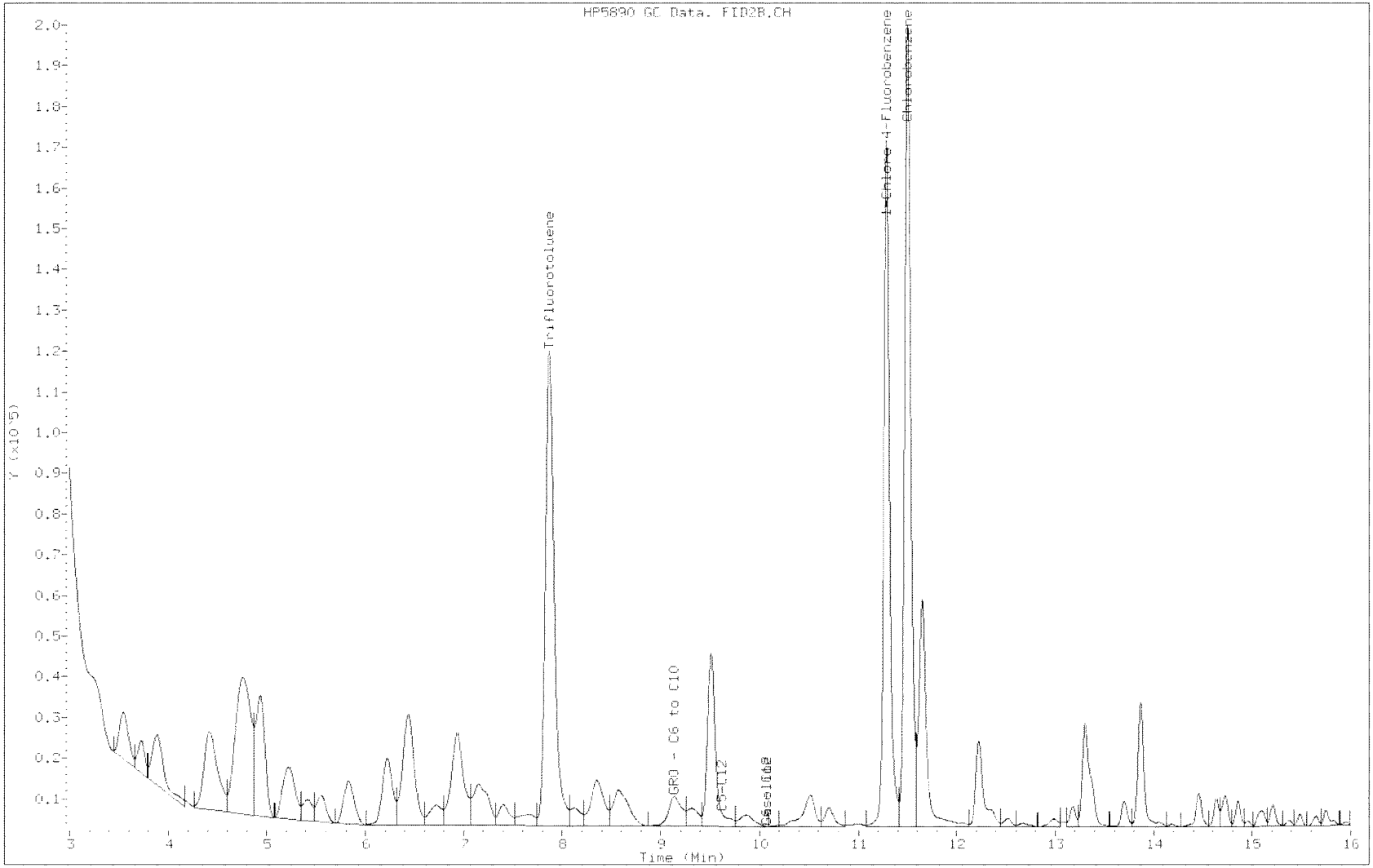
Date: 14-MAR-2012 10:19

Client ID:

Instrument: GC_B.i

Sample Info: IC-1311516 L5

Operator: AMB



Manual Integration Report

Data File: 202F0401.D
Inj. Date and Time: 14-MAR-2012 10:19
Instrument ID: GC_B.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 03/19/2012

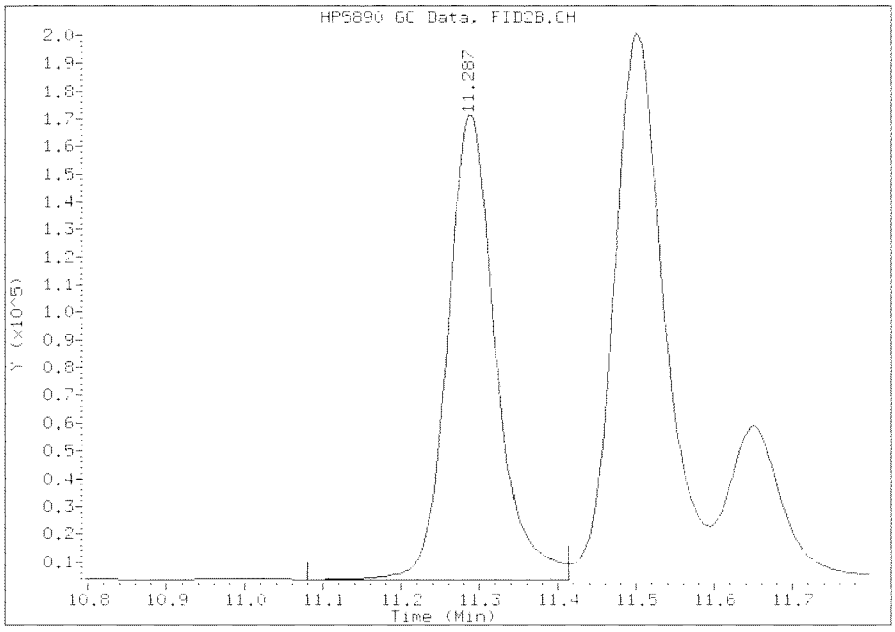
Processing Integration Results

RT: 11.29

Response: 715736

Amount: 75.79

Conc: 75.79



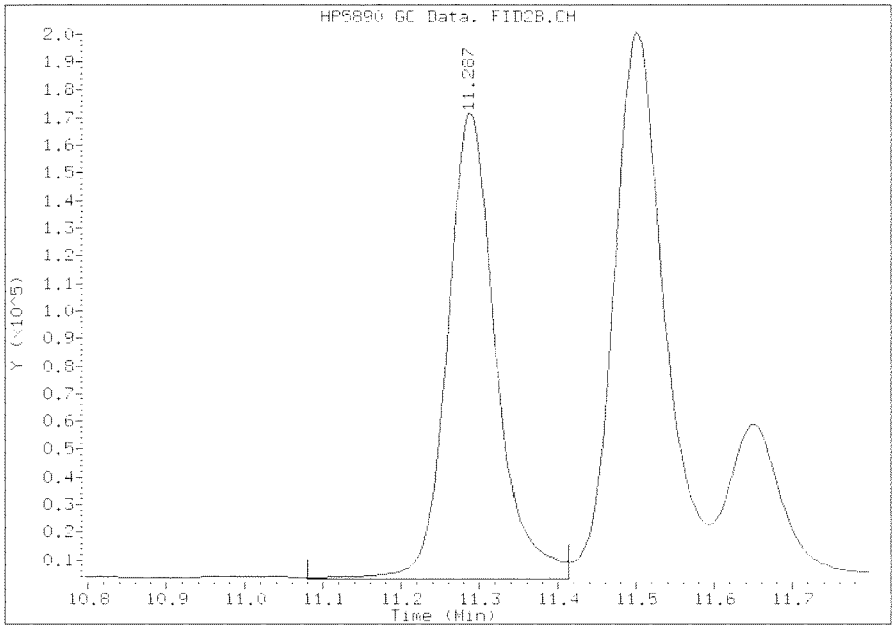
Manual Integration Results

RT: 11.29

Response: 725913

Amount: 76.22

Conc: 76.22



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:27
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\203F0501.D
Lab Smp Id: ICRT-1311516 L4
Inj Date : 14-MAR-2012 12:03
Operator : AMB   Inst ID: GC_B.i
Smp Info : ICRT-1311516 L4
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:32 GC_B.i   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 203   Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Trifluorotoluene	7.880	7.880	0.000	302917	30.0000	30.4997 (M)
S 2 GRO - C6 to C10	4.413-13.863			1280770	200.000	205.756
S 164 Gasoline	4.413-15.733			1406326	200.000	205.054 (AM)
S 3 C6 - C12	4.413-15.733			1406326	200.000	201.811 (M)
S 163 C5-C12	3.507-15.733			1480118	200.000	201.487 (M)
4 1-Chloro-4-Fluorobenzene	11.296	11.297	-0.001	290002	30.0000	30.5149 (M)
$ 5 Chlorobenzene	11.506	11.506	0.000	350456	30.0000	30.4986 (M)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 203F0501.D

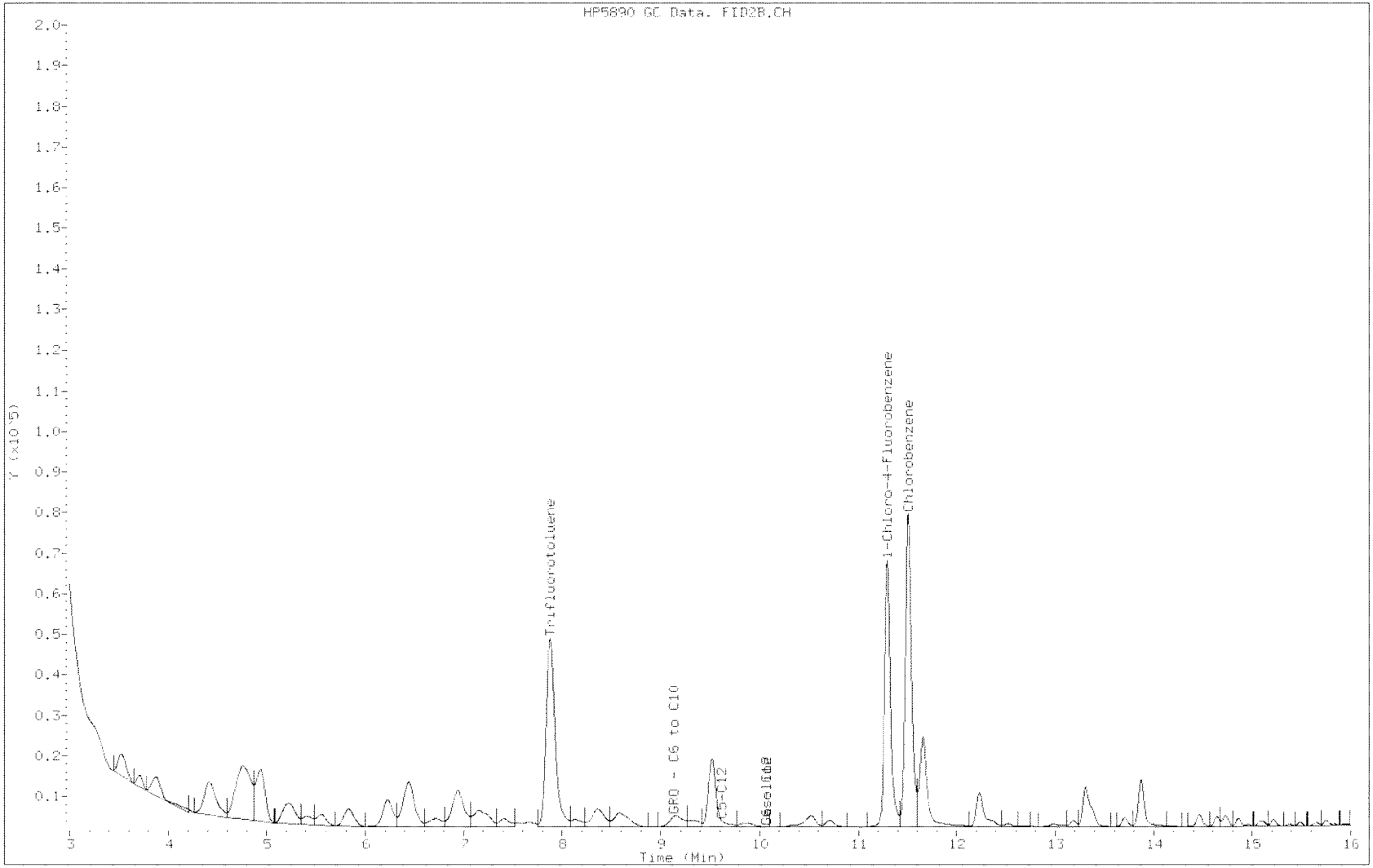
Date: 14-MAR-2012 12:03

Client ID:

Instrument: GC_B.i

Sample Info: ICRT-1311516 L4

Operator: AMB



Manual Integration Report

Data File: 203F0501.D
Inj. Date and Time: 14-MAR-2012 12:03
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 03/19/2012

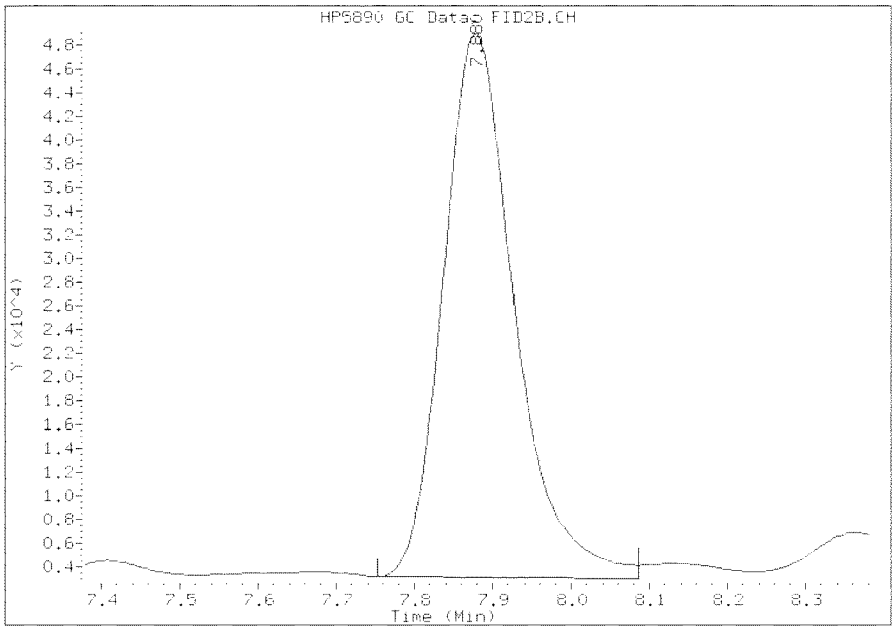
Processing Integration Results

RT: 7.88

Response: 289971

Amount: 30.00

Conc: 30.00



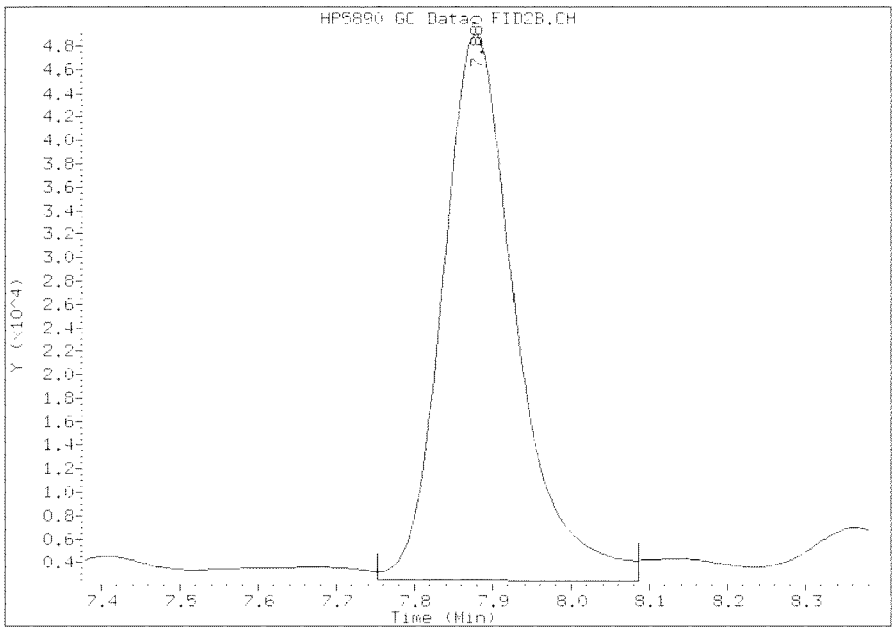
Manual Integration Results

RT: 7.88

Response: 302917

Amount: 30.50

Conc: 30.50



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:24
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 203F0501.D
Inj. Date and Time: 14-MAR-2012 12:03
Instrument ID: GC_B.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 03/19/2012

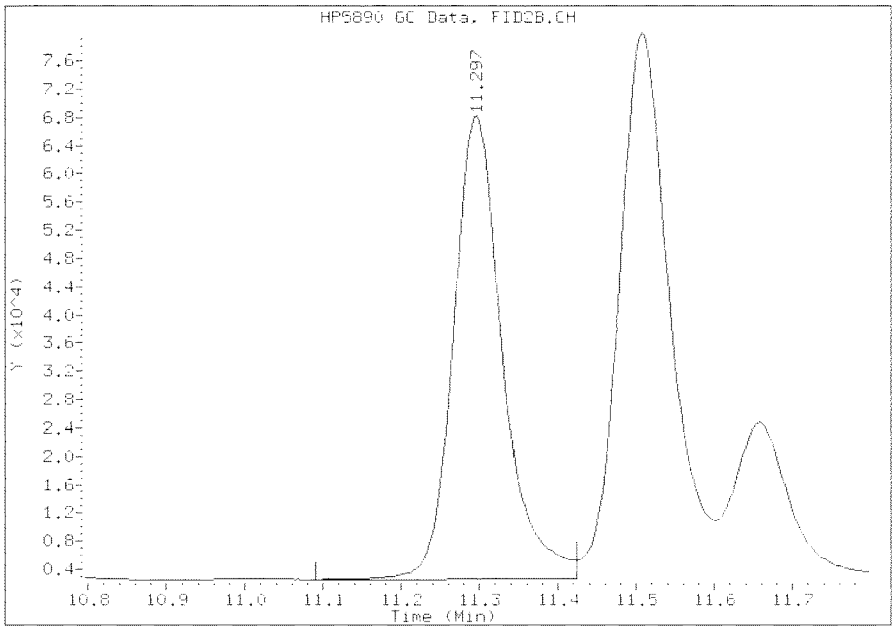
Processing Integration Results

RT: 11.30

Response: 286371

Amount: 30.00

Conc: 30.00



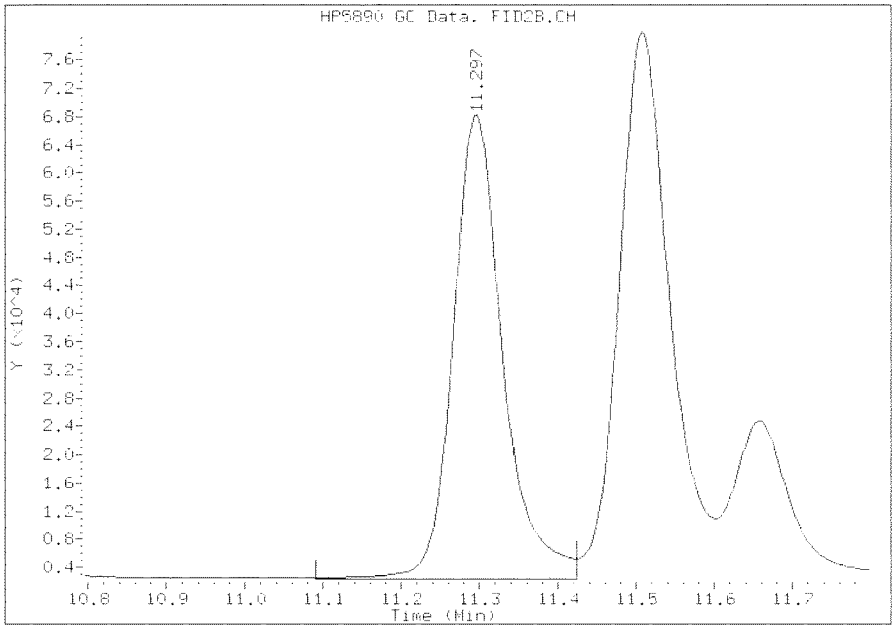
Manual Integration Results

RT: 11.30

Response: 290002

Amount: 30.51

Conc: 30.51



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:24
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\204F0601.D
Lab Smp Id: IC-1311516 L3
Inj Date : 14-MAR-2012 12:34
Operator : AMB   Inst ID: GC_B.i
Smp Info : IC-1311516 L3
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:34 GC_B.i   Quant Type: ESTD
Cal Date : 14-MAR-2012 10:19   Cal File: 202F0401.D
Als bottle: 204   Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Trifluorotoluene	7.873	7.880	-0.007	150012	15.0000	15.1964(M)
S 2 GRO - C6 to C10	4.413	-13.863		593281	100.000	97.4441
S 164 Gasoline	4.413	-15.733		657987	100.000	97.7229(aAM)
S 3 C6 - C12	4.413	-15.733		657987	100.000	97.2113(M)
S 163 C5-C12	3.507	-15.733		732313	100.000	100.022(M)
4 1-Chloro-4-Fluorobenzene	11.290	11.297	-0.007	144644	15.0000	15.2748(M)
$ 5 Chlorobenzene	11.503	11.506	-0.003	175013	15.0000	15.2957(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 204F0601.D

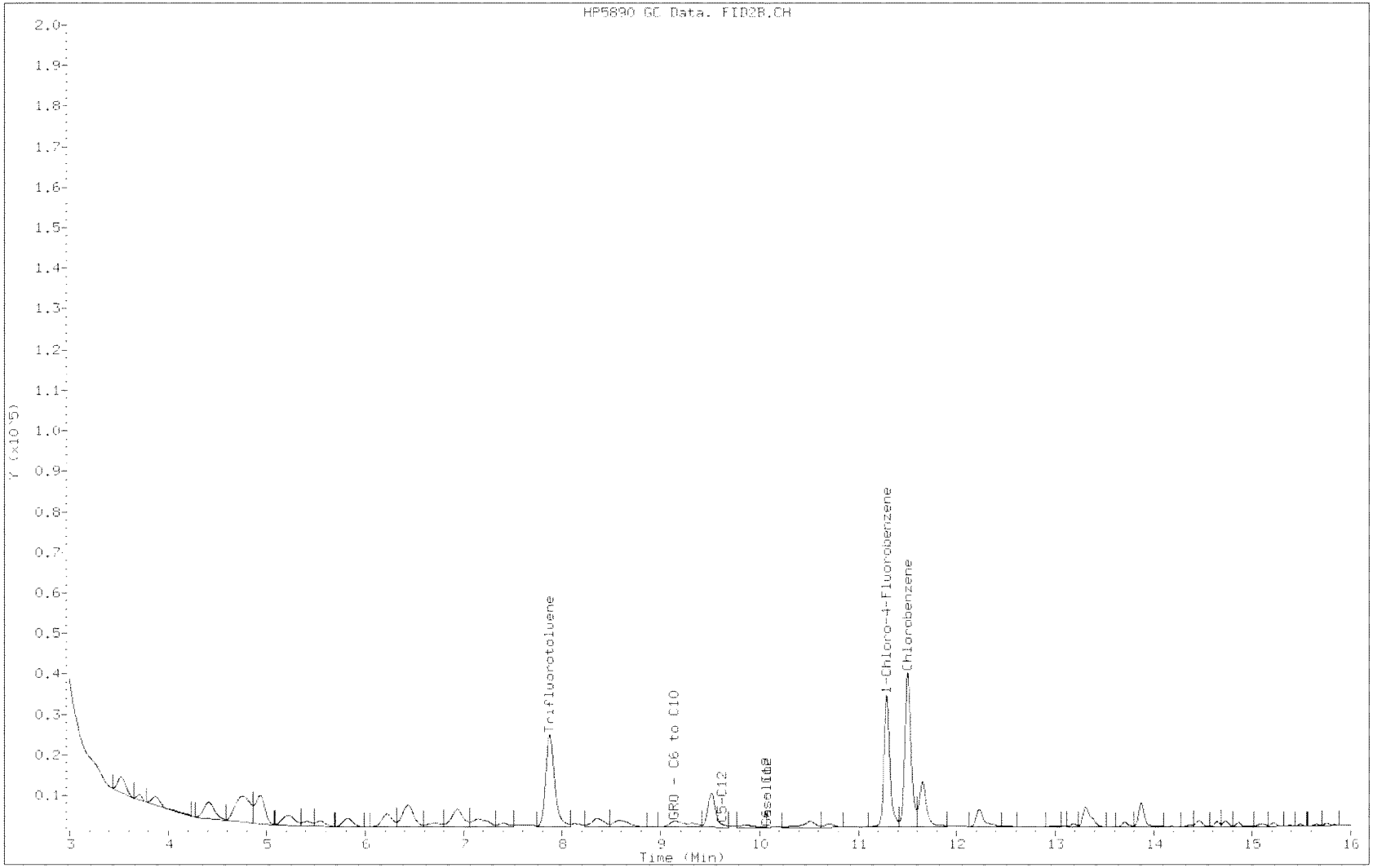
Date: 14-MAR-2012 12:34

Client ID:

Instrument: GC_B.i

Sample Info: IC-1311516 L3

Operator: AMB



Manual Integration Report

Data File: 204F0601.D
Inj. Date and Time: 14-MAR-2012 12:34
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 03/19/2012

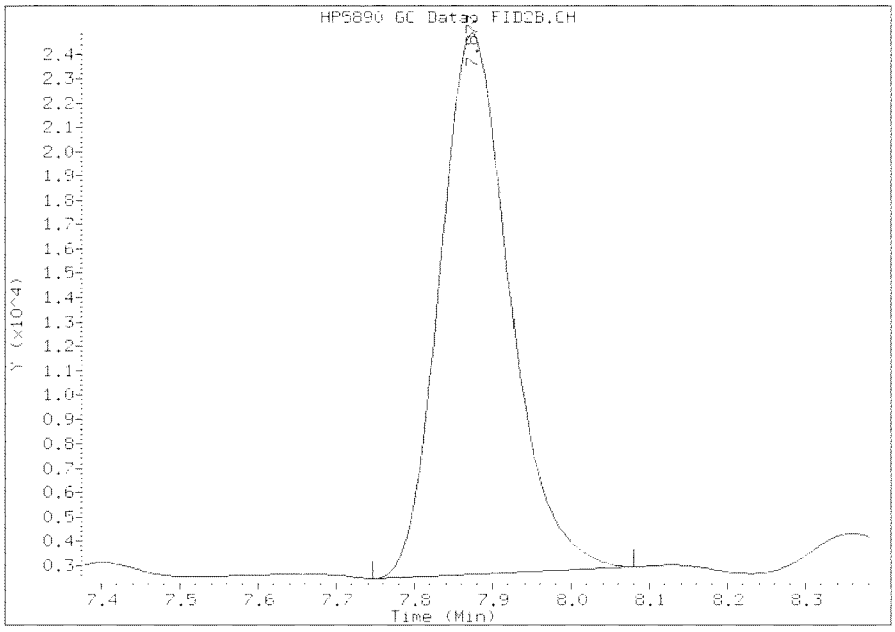
Processing Integration Results

RT: 7.87

Response: 138013

Amount: 14.36

Conc: 14.36



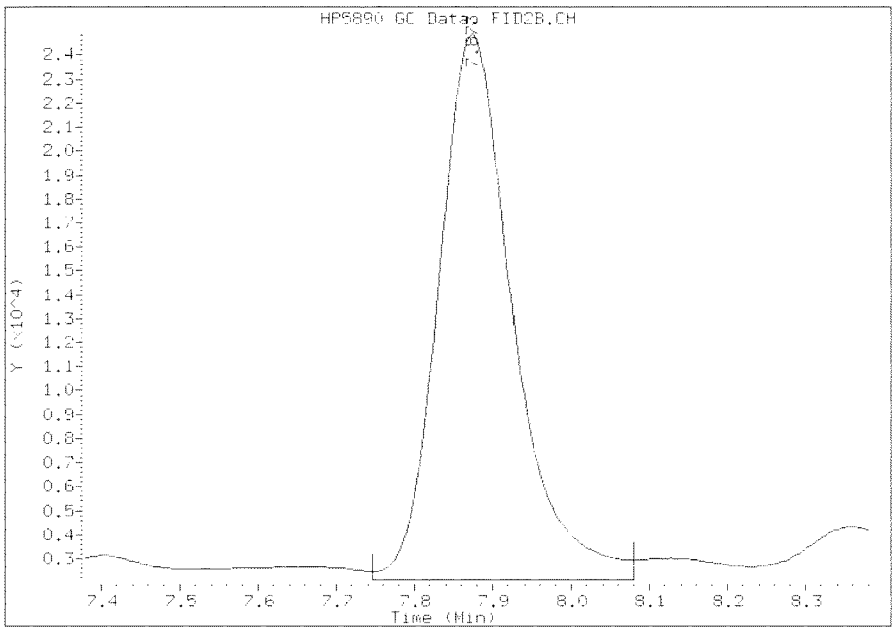
Manual Integration Results

RT: 7.87

Response: 150012

Amount: 15.20

Conc: 15.20



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:27
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 204F0601.D
Inj. Date and Time: 14-MAR-2012 12:34
Instrument ID: GC_B.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 03/19/2012

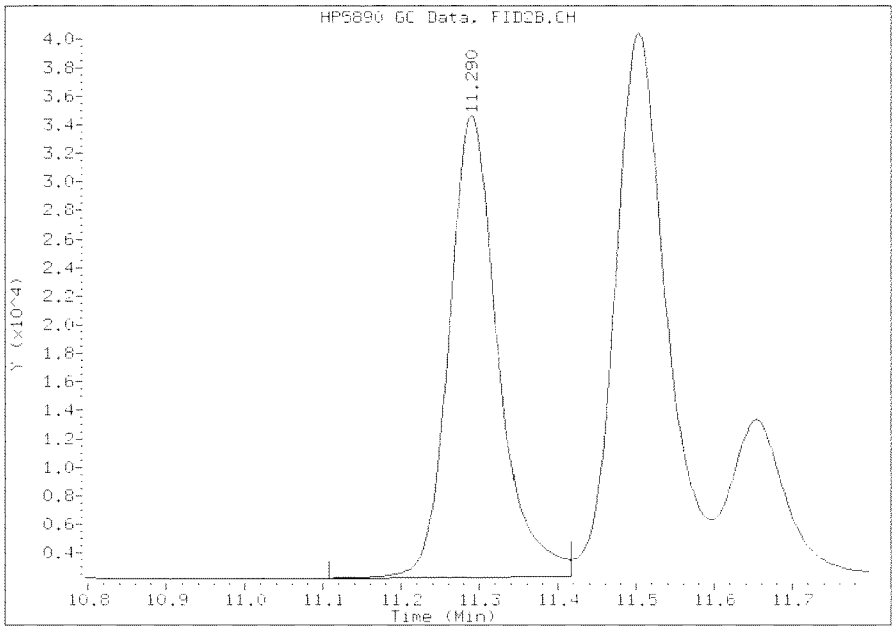
Processing Integration Results

RT: 11.29

Response: 140640

Amount: 15.05

Conc: 15.05



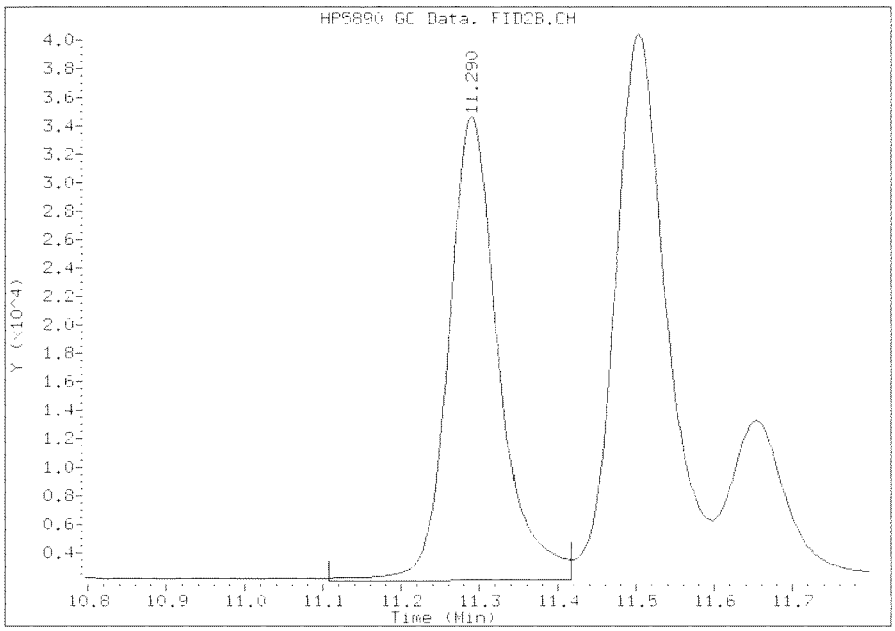
Manual Integration Results

RT: 11.29

Response: 144644

Amount: 15.27

Conc: 15.27



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:27
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\205F0701.D
Lab Smp Id: IC-1311516 L2
Inj Date : 14-MAR-2012 13:17
Operator : AMB   Inst ID: GC_B.i
Smp Info : IC-1311516 L2
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:34 GC_B.i   Quant Type: ESTD
Cal Date : 14-MAR-2012 12:34   Cal File: 204F0601.D
Als bottle: 205   Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Trifluorotoluene	7.886	7.880	0.006	66466	7.50000	6.83475(M)
S 2 GRO - C6 to C10	4.413-13.863			255474	50.0000	44.2237
S 164 Gasoline	4.413-15.733			280495	50.0000	43.5807(aAM)
S 3 C6 - C12	4.413-15.733			280495	50.0000	44.4473(M)
S 163 C5-C12	3.507-15.733			308194	50.0000	42.4766(aM)
4 1-Chloro-4-Fluorobenzene	11.300	11.297	0.003	60553	7.50000	6.45827(M)
$ 5 Chlorobenzene	11.513	11.506	0.007	72980	7.50000	6.45406(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 205F0701.D

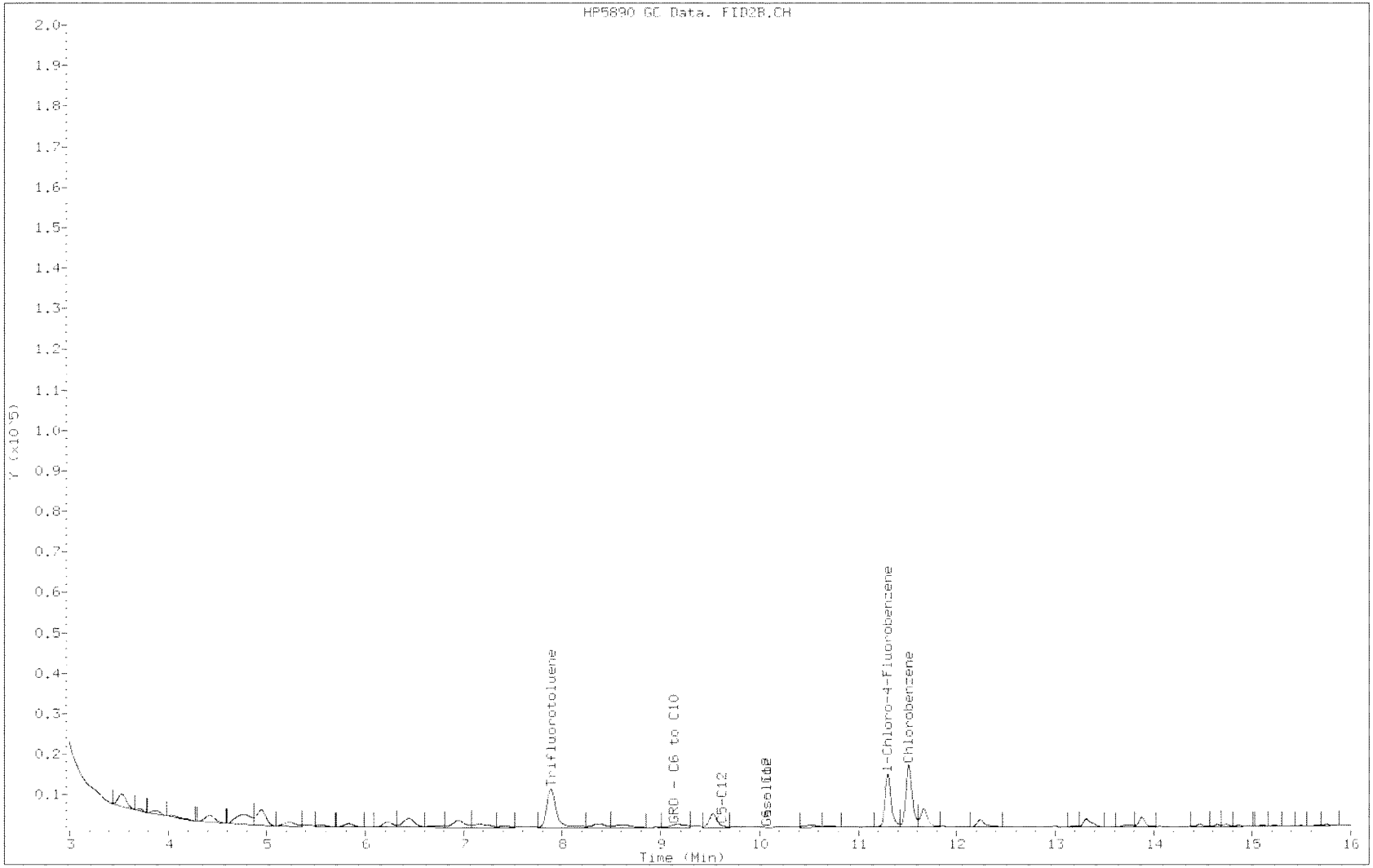
Date: 14-MAR-2012 13:17

Client ID:

Instrument: GC_B.i

Sample Info: IC-1311516 L2

Operator: AMB



Manual Integration Report

Data File: 205F0701.D
Inj. Date and Time: 14-MAR-2012 13:17
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 03/19/2012

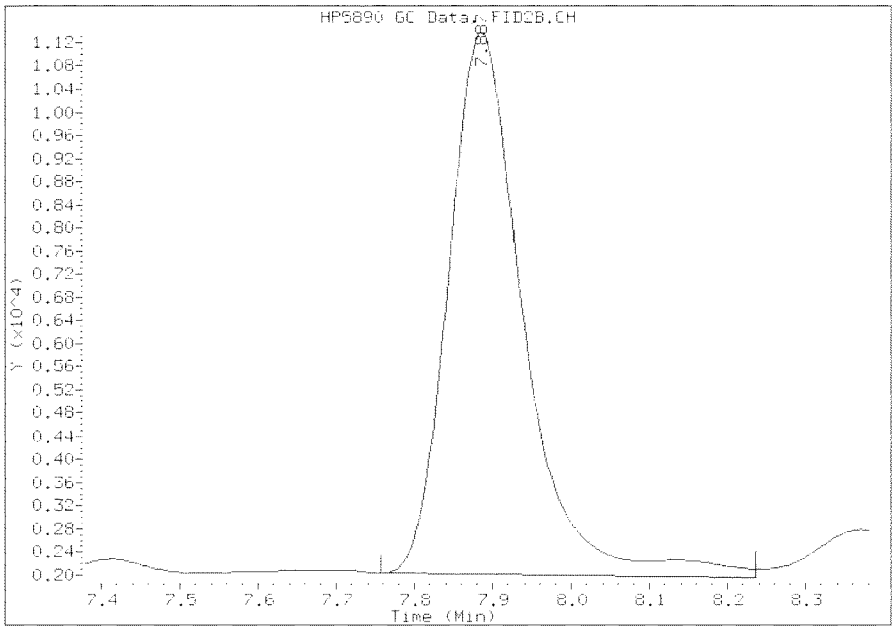
Processing Integration Results

RT: 7.89

Response: 62667

Amount: 6.64

Conc: 6.64



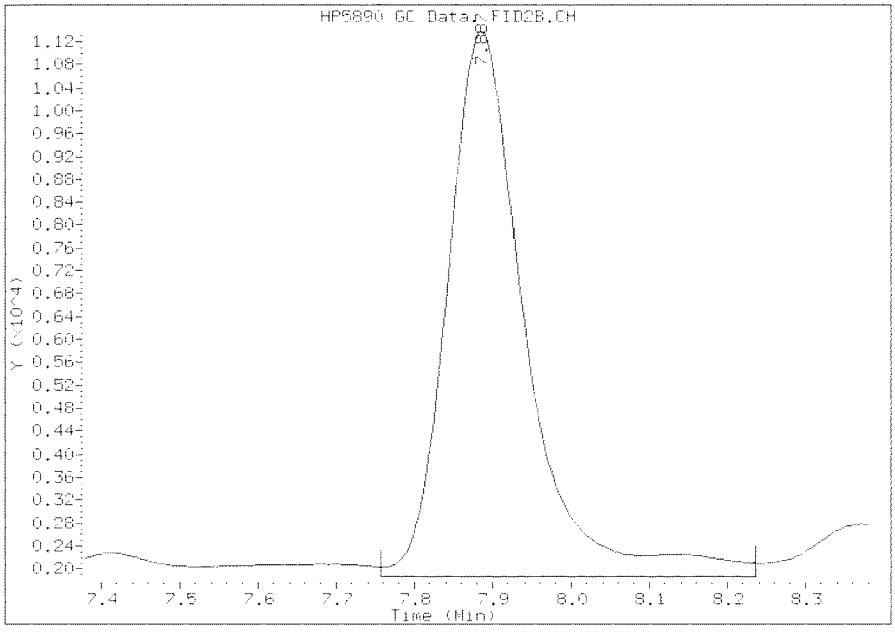
Manual Integration Results

RT: 7.89

Response: 66466

Amount: 6.83

Conc: 6.83



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:28
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 205F0701.D
Inj. Date and Time: 14-MAR-2012 13:17
Instrument ID: GC_B.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 03/19/2012

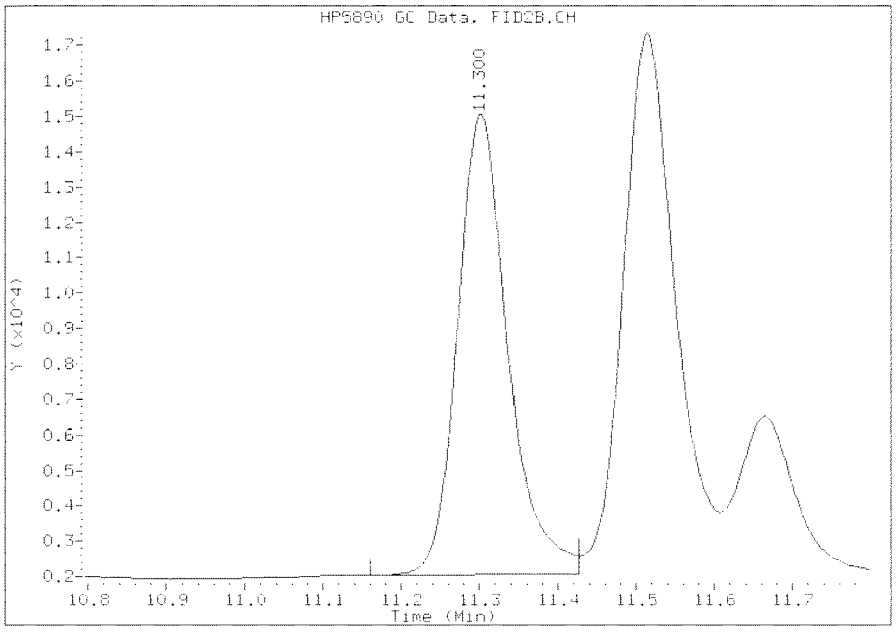
Processing Integration Results

RT: 11.30

Response: 58007

Amount: 6.33

Conc: 6.33



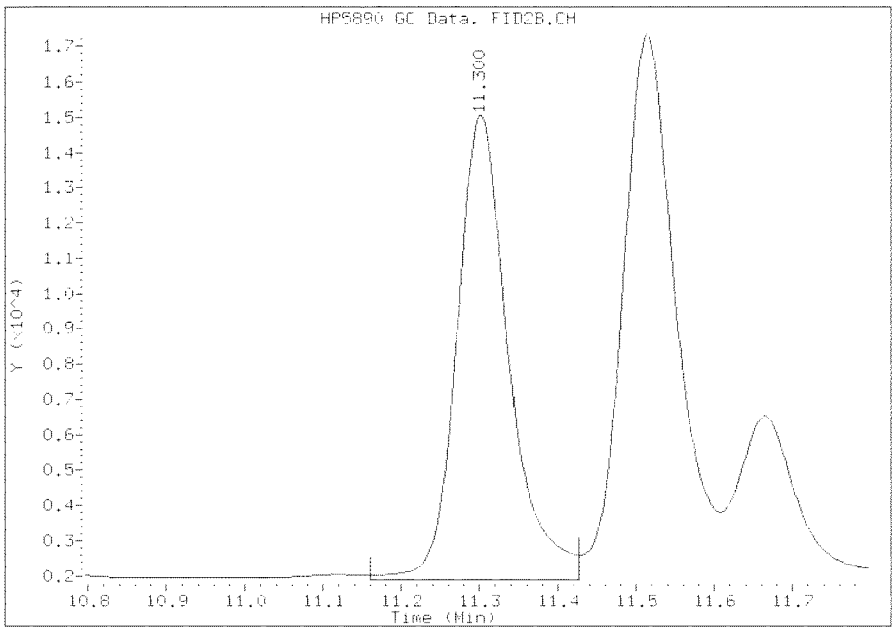
Manual Integration Results

RT: 11.30

Response: 60553

Amount: 6.46

Conc: 6.46



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:28
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\206F0801.D
Lab Smp Id: IC-1311516 L1
Inj Date : 14-MAR-2012 13:49
Operator : AMB   Inst ID: GC_B.i
Smp Info : IC-1311516 L1
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:35 GC_B.i   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:17   Cal File: 205F0701.D
Als bottle: 206   Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Trifluorotoluene	7.880	7.880	0.000	29073	3.00000	3.09231(aM)
S 2 GRO - C6 to C10	4.413-13.863			107689	20.0000	20.9406(a)
S 164 Gasoline	4.413-15.733			123303	20.0000	21.0353(aAM)
S 3 C6 - C12	4.413-15.733			123303	20.0000	22.4757(M)
S 163 C5-C12	3.507-15.733			151044	20.0000	21.1540(aM)
4 1-Chloro-4-Fluorobenzene	11.296	11.297	-0.001	28977	3.00000	3.14768(aM)
$ 5 Chlorobenzene	11.510	11.506	0.004	34821	3.00000	3.14740(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 206F0801.D

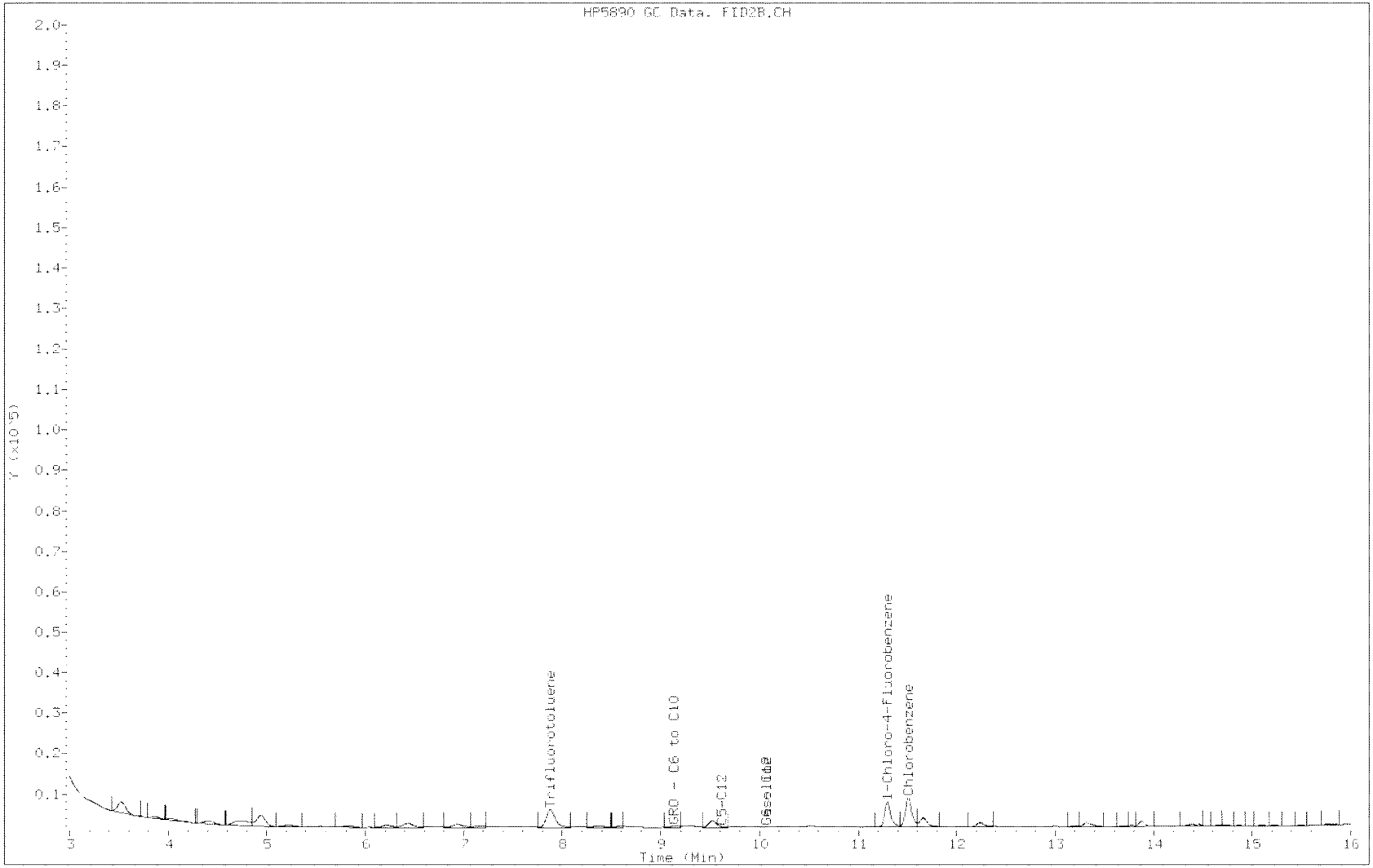
Date: 14-MAR-2012 13:49

Client ID:

Instrument: GC_B.i

Sample Info: IC-1311516 L1

Operator: AMB



Manual Integration Report

Data File: 206F0801.D
Inj. Date and Time: 14-MAR-2012 13:49
Instrument ID: GC_B.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 03/19/2012

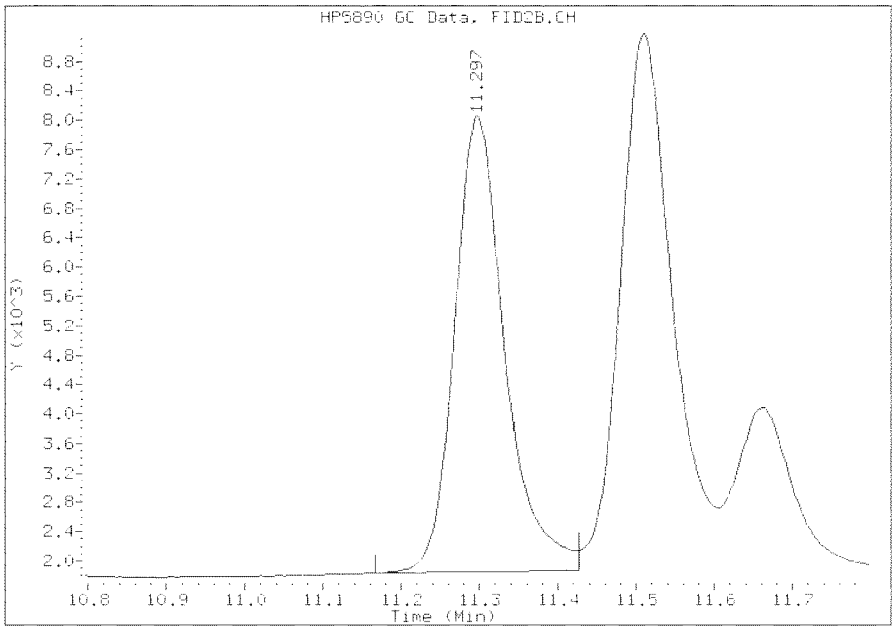
Processing Integration Results

RT: 11.30

Response: 27647

Amount: 3.13

Conc: 3.13



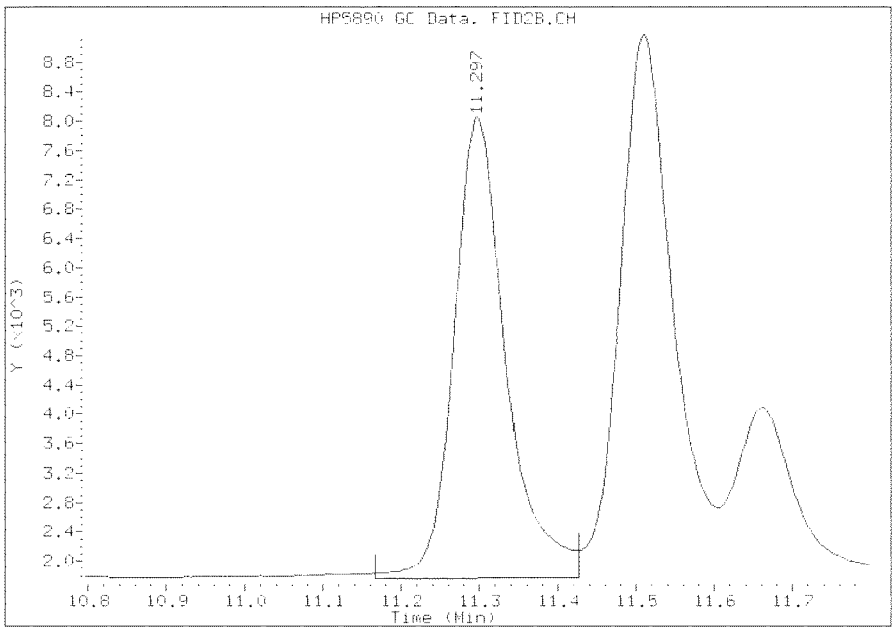
Manual Integration Results

RT: 11.30

Response: 28977

Amount: 3.15

Conc: 3.15



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:28
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 206F0801.D
Inj. Date and Time: 14-MAR-2012 13:49
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 03/19/2012

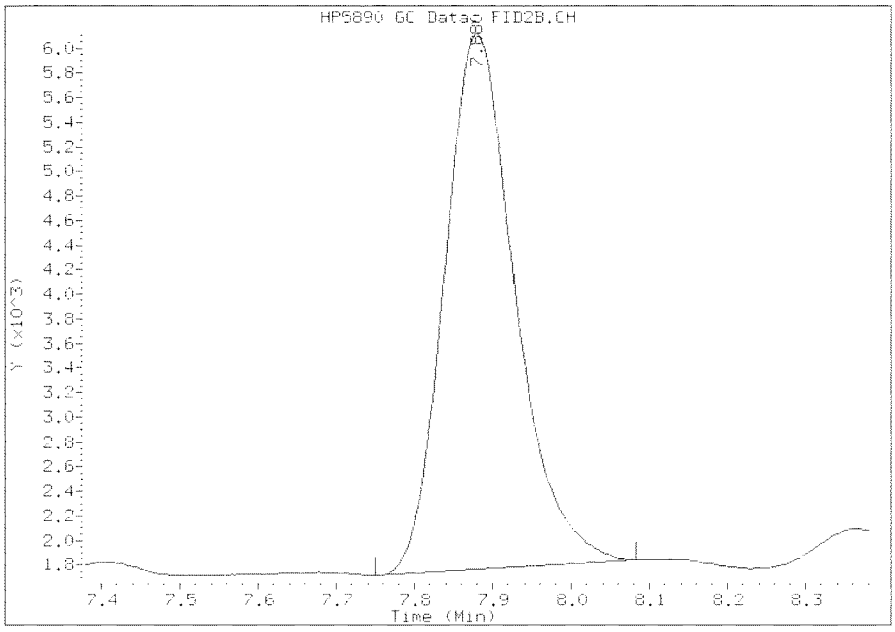
Processing Integration Results

RT: 7.88

Response: 27285

Amount: 3.07

Conc: 3.07



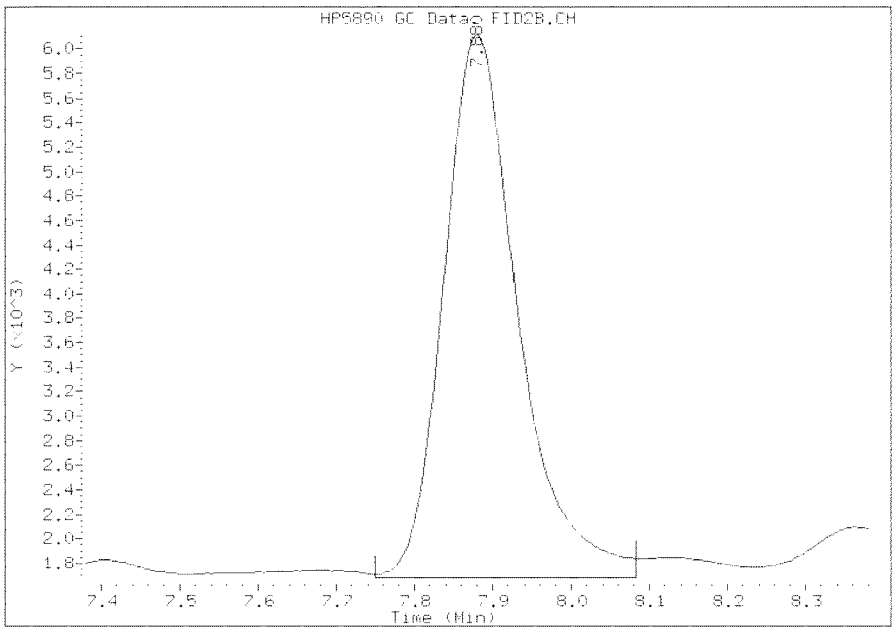
Manual Integration Results

RT: 7.88

Response: 29073

Amount: 3.09

Conc: 3.09



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:28
Manual Integration Reason: Baseline Event

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115193

SDG No.:

Instrument ID: GCV_K | GC Column: RTX 502.2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2012 15:28 | Calibration End Date: 04/11/2012 19:01 | Calibration ID: 9056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115193/8	202F0801.D
Level 2	IC 280-115193/7	201F0701.D
Level 3	IC 280-115193/6	116F0601.D
Level 4	ICRT 280-115193/5	115F0501.D
Level 5	IC 280-115193/4	114F0401.D
Level 6	IC 280-115193/3	113F0301.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Gasoline Range Organics (GRO)-C6-C10	14.463	14.463	14.463	14.463	14.463	14.463					6.483 - 22.443	14.463
C5-C12	16.983	16.983	16.983	16.983	16.983	16.983					5.143 - 28.823	16.983
C6-C12	17.653	17.653	17.653	17.653	17.653	17.653					6.483 - 28.823	17.653
a,a,a-Trifluorotoluene	10.560	10.570	10.567	10.573	10.570	10.573					10.493 - 10.653	10.569
Chlorobenzene	15.700	15.713	15.713	15.720	15.717	15.727					15.640 - 15.800	15.715

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115193

SDG No.:

Instrument ID: GCV_K | GC Column: RTX 502.2 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2012 15:28 | Calibration End Date: 04/11/2012 19:01 | Calibration ID: 9056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115193/8	202F0801.D
Level 2	IC 280-115193/7	201F0701.D
Level 3	IC 280-115193/6	116F0601.D
Level 4	ICRT 280-115193/5	115F0501.D
Level 5	IC 280-115193/4	114F0401.D
Level 6	IC 280-115193/3	113F0301.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 4		B	M1	M2								
Gasoline Range Organics (GRO)-C6-C10	2449.5 2986.3	2652.2 3001.0	2495.5	2713.3	Lin2	3.35029930	2864.67154							0.9954		0.9900
C5-C12	2917.7 3795.7	3391.0 3847.1	3154.0	3407.6	Lin2	4.39776450	3665.52517							0.9951		
C6-C12	2682.2 3529.2	3161.3 3562.0	3032.8	3226.5	Lin2	4.61481310	3437.25735							0.9972		0.9900
a,a,a-Trifluorotoluene	3859.3 3760.4	3521.9 3824.0	3250.1	3455.0	Lin2	-0.1347504	3577.14037							0.9939		0.9900
Chlorobenzene	3796.7 4369.3	4192.7 4510.3	3913.9	4116.1	Lin2	0.38132250	4317.15199							0.9974		0.9900

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

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 115193

SDG No.:

Instrument ID: GCV_K | GC Column: RTX 502.2 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2012 15:28 | Calibration End Date: 04/11/2012 19:01 | Calibration ID: 9056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115193/8	202F0801.D
Level 2	IC 280-115193/7	201F0701.D
Level 3	IC 280-115193/6	116F0601.D
Level 4	ICRT 280-115193/5	115F0501.D
Level 5	IC 280-115193/4	114F0401.D
Level 6	IC 280-115193/3	113F0301.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Gasoline Range Organics (GRO)-C6-C10	Lin2	48989 3000980	132608	249548	542661	1493161	20.0 1000	50.0	100	200	500
C5-C12	Lin2	58354 3847070	169552	315399	681524	1897848	20.0 1000	50.0	100	200	500
C6-C12	Lin2	53644 3562009	158063	303278	645300	1764592	20.0 1000	50.0	100	200	500
a,a,a-Trifluorotoluene	Lin2	11578 573603	26414	48752	103650	282031	3.00 150	7.50	15.0	30.0	75.0
Chlorobenzene	Lin2	11390 676550	31445	58709	123484	327697	3.00 150	7.50	15.0	30.0	75.0

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\113F0301.D
Lab Smp Id: IC-1353577 L6
Inj Date : 11-APR-2012 15:28
Operator : AMB   Inst ID: GC_K.i
Smp Info : IC-1353577 L6
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 10:31 byla   Quant Type: ESTD
Cal Date : 11-APR-2012 15:28   Cal File: 113F0301.D
Als bottle: 113   Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Chlorobenzene	15.726	15.720	0.006	676550	150.000	161.056(AM)
S 165 Gasoline	6.483-28.823			3562009	1000.00	1104.99(AM)
$ 2 Trifluorotoluene	10.573	10.573	0.000	573603	150.000	143.657(M)
S 3 GRO - C6 to C10	6.483-22.443			3000980	1000.00	1111.51(AM)
S 163 C6 - C12	6.483-28.823			3562009	1000.00	1104.99(AM)
S 164 C5-C12	5.143-28.823			3847070	1000.00	1111.41(AM)
4 1-Chloro-4-Fluorobenzene	15.390	15.383	0.007	541236	150.000	158.159(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 113F0301.D

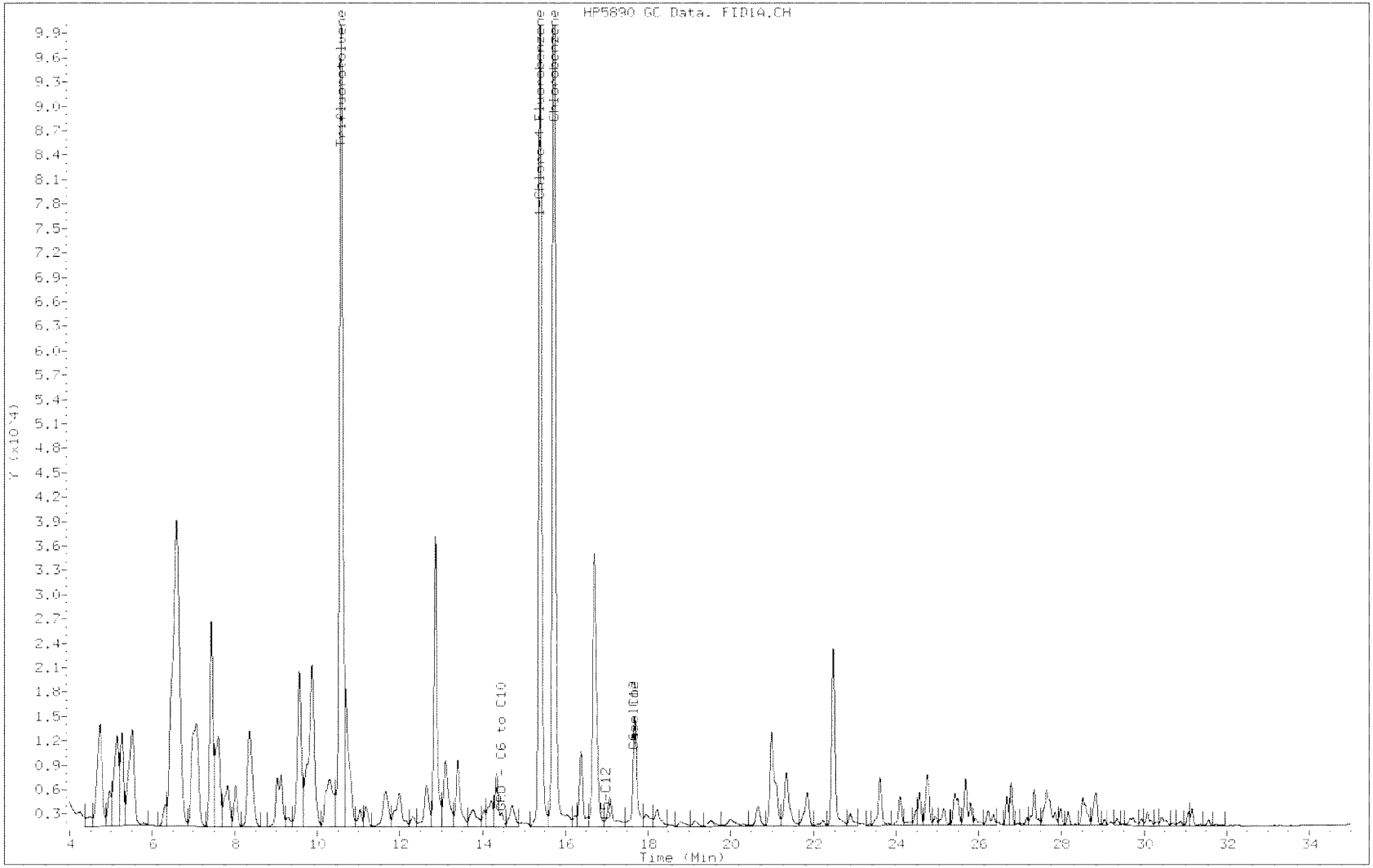
Date: 11-APR-2012 15:28

Client ID:

Instrument: GC_K.i

Sample Info: IC-1353577 L6

Operator: AMB



Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 11-APR-2012 15:28
Instrument ID: GC_K.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 04/12/2012

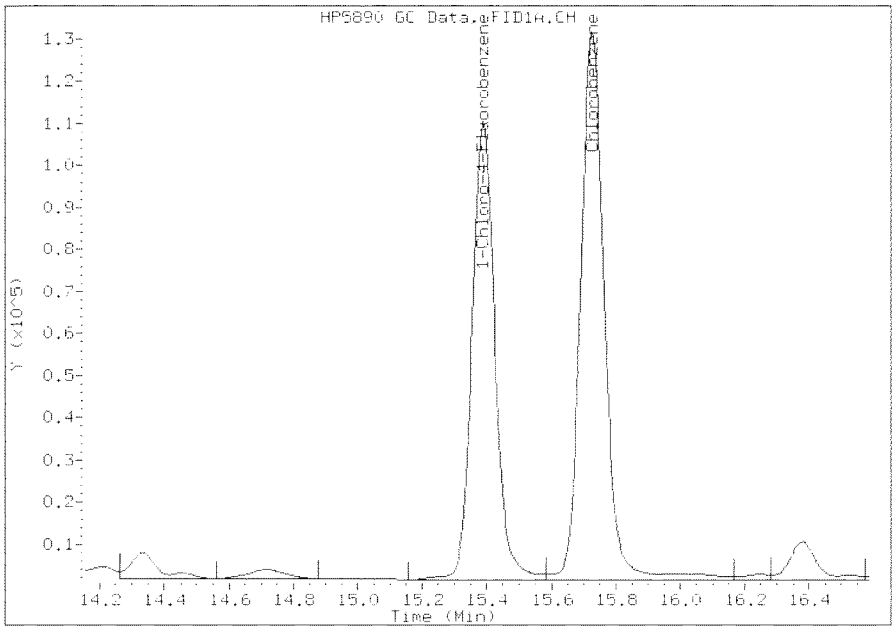
Processing Integration Results

RT: 15.39

Response: 537863

Amount: 157.49

Conc: 157.49



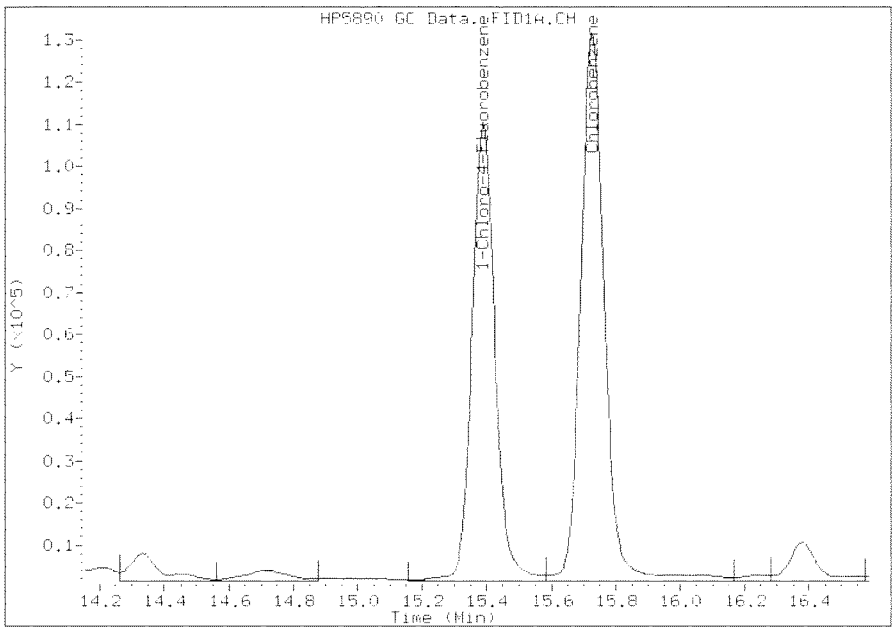
Manual Integration Results

RT: 15.39

Response: 541236

Amount: 158.16

Conc: 158.16



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 11-APR-2012 15:28
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

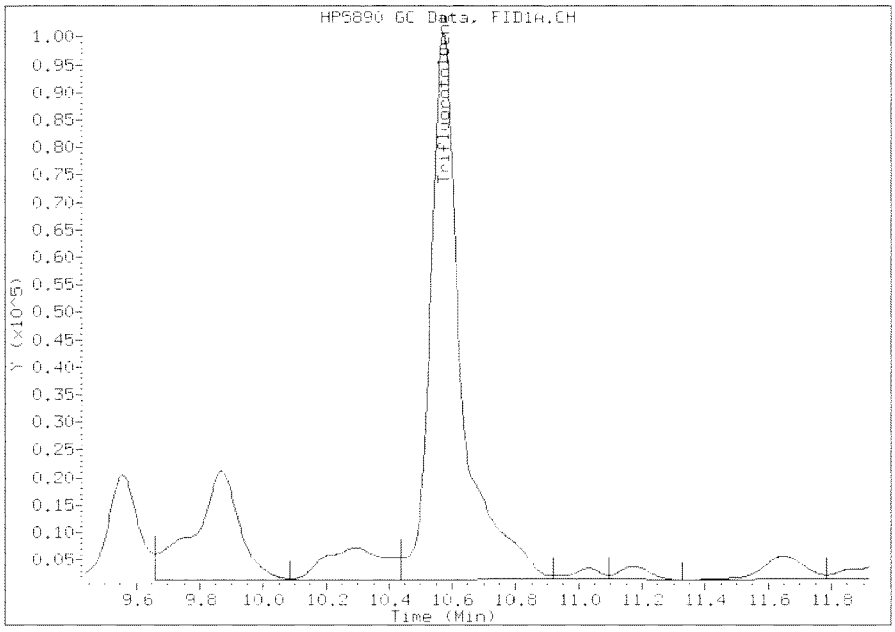
Processing Integration Results

RT: 10.57

Response: 679808

Amount: 153.80

Conc: 153.80



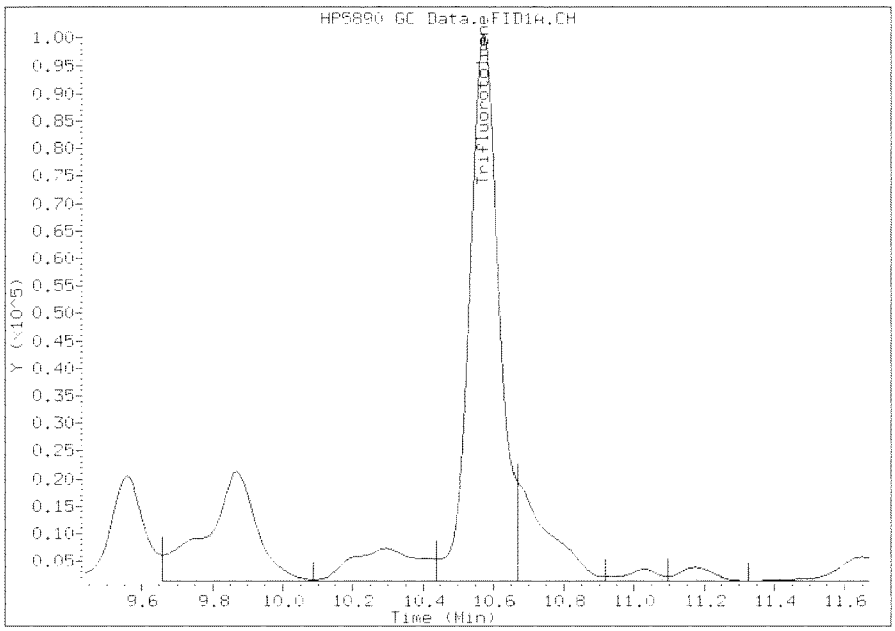
Manual Integration Results

RT: 10.57

Response: 573603

Amount: 143.66

Conc: 143.66



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 11-APR-2012 15:28
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

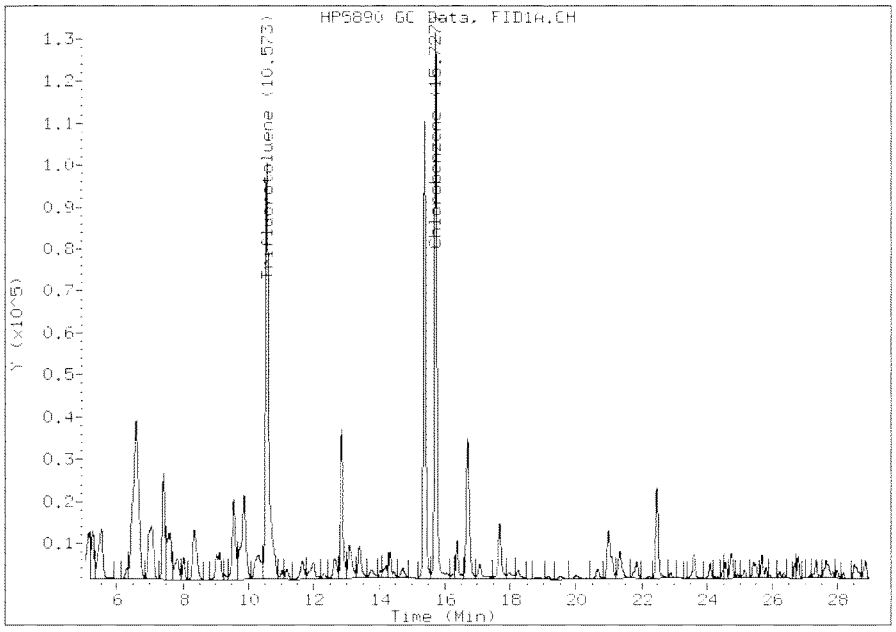
Processing Integration Results

RT: 16.98

Response: 3732185

Amount: 1090.51

Conc: 1090.51



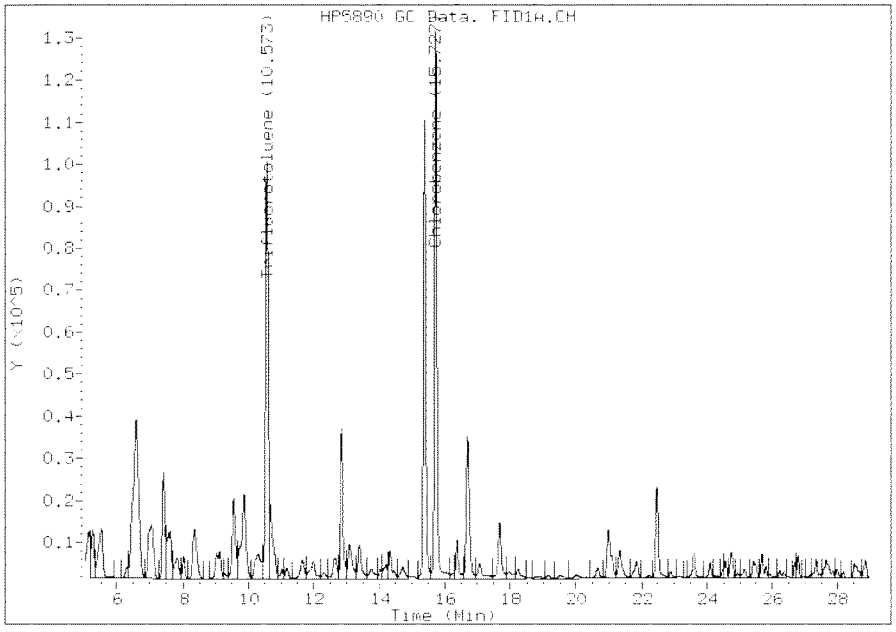
Manual Integration Results

RT: 16.98

Response: 3847070

Amount: 1111.41

Conc: 1111.41



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 11-APR-2012 15:28
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

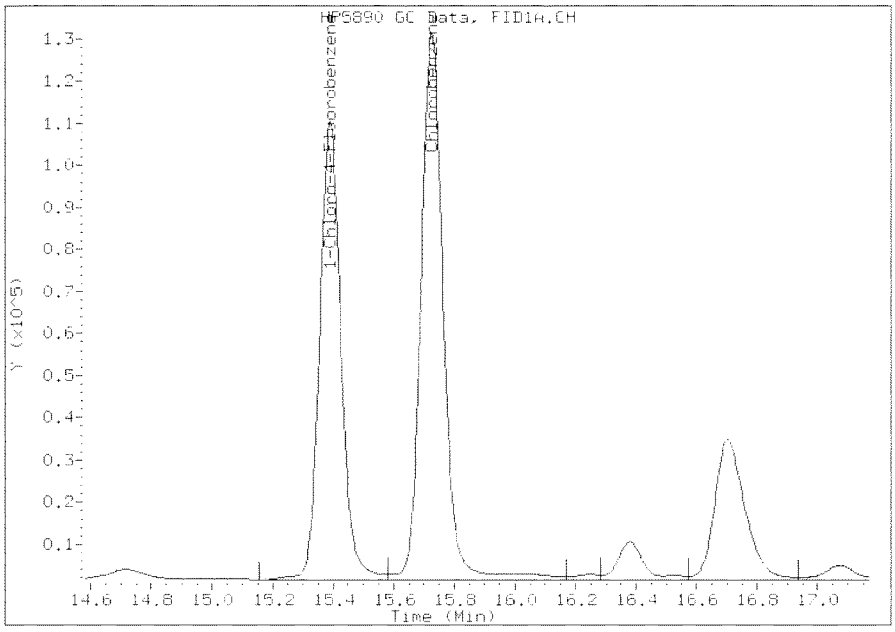
Processing Integration Results

RT: 15.73

Response: 671135

Amount: 160.20

Conc: 160.20



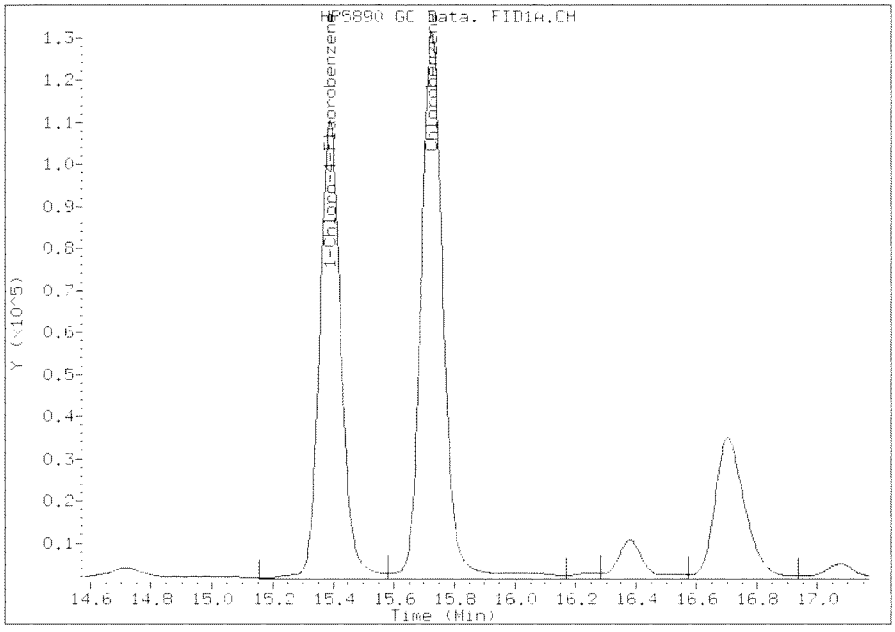
Manual Integration Results

RT: 15.73

Response: 676550

Amount: 161.06

Conc: 161.06



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 11-APR-2012 15:28
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

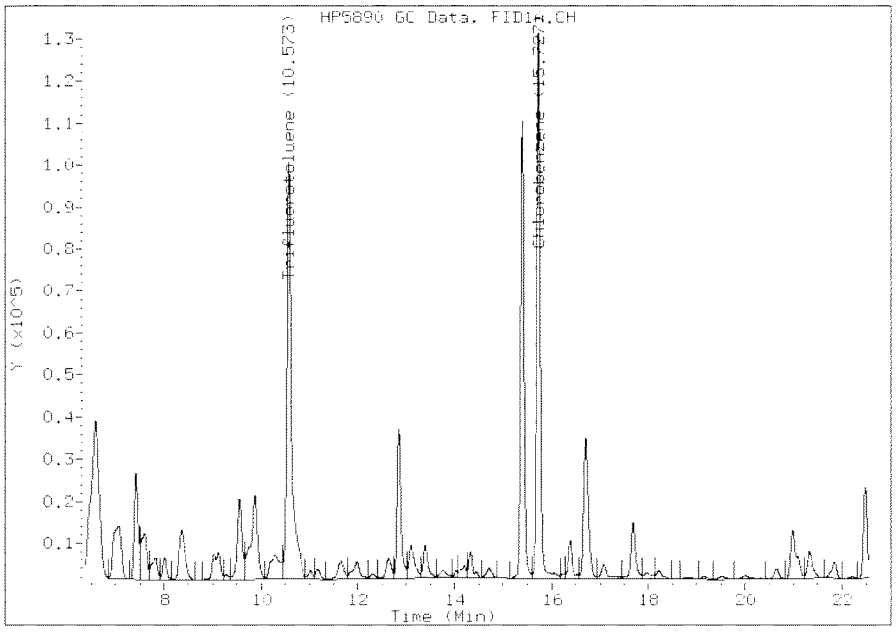
Processing Integration Results

RT: 14.46

Response: 2751022

Amount: 1000.00

Conc: 1000.00



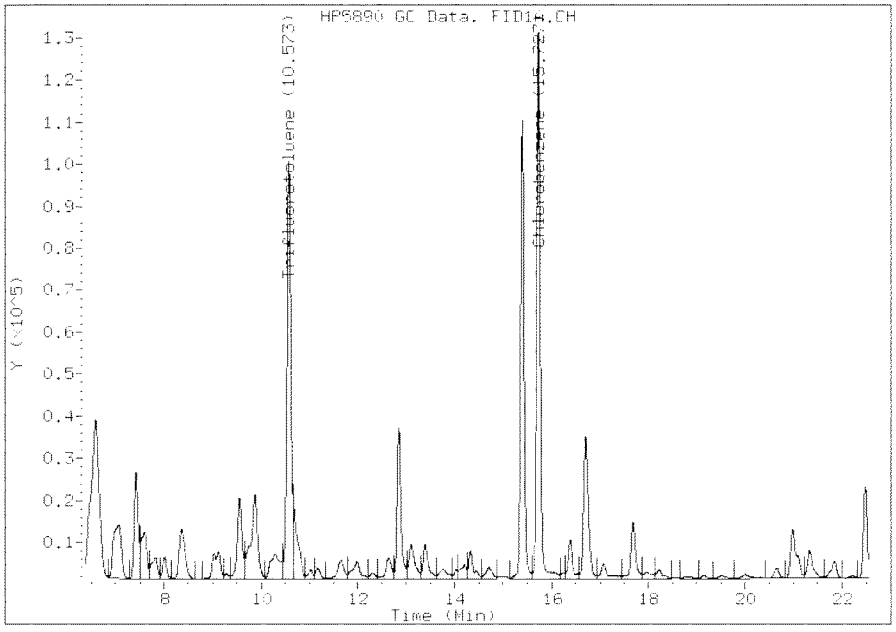
Manual Integration Results

RT: 14.46

Response: 3000980

Amount: 1111.51

Conc: 1111.51



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 11-APR-2012 15:28
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

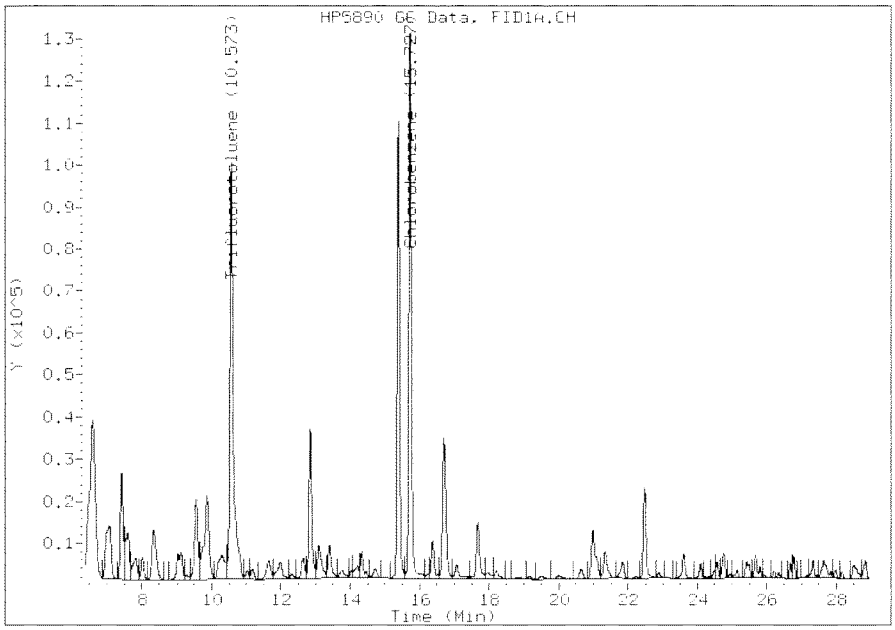
Processing Integration Results

RT: 17.65

Response: 3254554

Amount: 1000.00

Conc: 1000.00



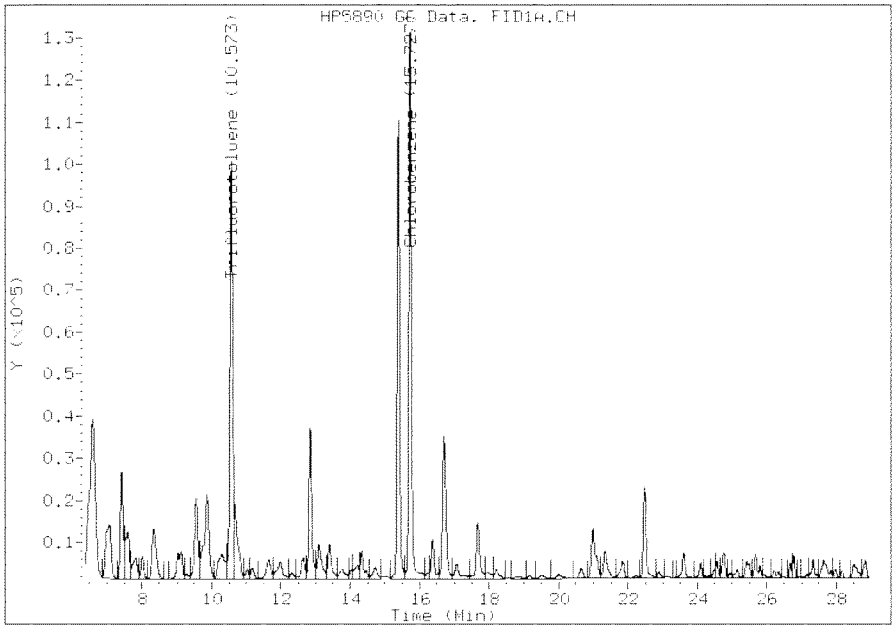
Manual Integration Results

RT: 17.65

Response: 3562009

Amount: 1104.99

Conc: 1104.99



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\114F0401.D
Lab Smp Id: IC-1353577 L5
Inj Date : 11-APR-2012 16:10
Operator : AMB   Inst ID: GC_K.i
Smp Info : IC-1353577 L5
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 12:57 byla   Quant Type: ESTD
Cal Date : 11-APR-2012 16:10   Cal File: 114F0401.D
Als bottle: 114   Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Chlorobenzene	15.716	15.720	-0.004	327697	75.0000	76.2872 (M)
S 165 Gasoline	6.483-28.823			1764592	500.000	517.987 (M)
$ 2 Trifluorotoluene	10.570	10.573	-0.003	282031	75.0000	78.7078 (M)
S 3 GRO - C6 to C10	6.483-22.443			1493161	500.000	524.583 (M)
S 163 C6 - C12	6.483-28.823			1764592	500.000	517.987 (M)
S 164 C5-C12	5.143-28.823			1897848	500.000	522.154 (M)
4 1-Chloro-4-Fluorobenzene	15.380	15.383	-0.003	266250	75.0000	76.6267 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 114F0401.D

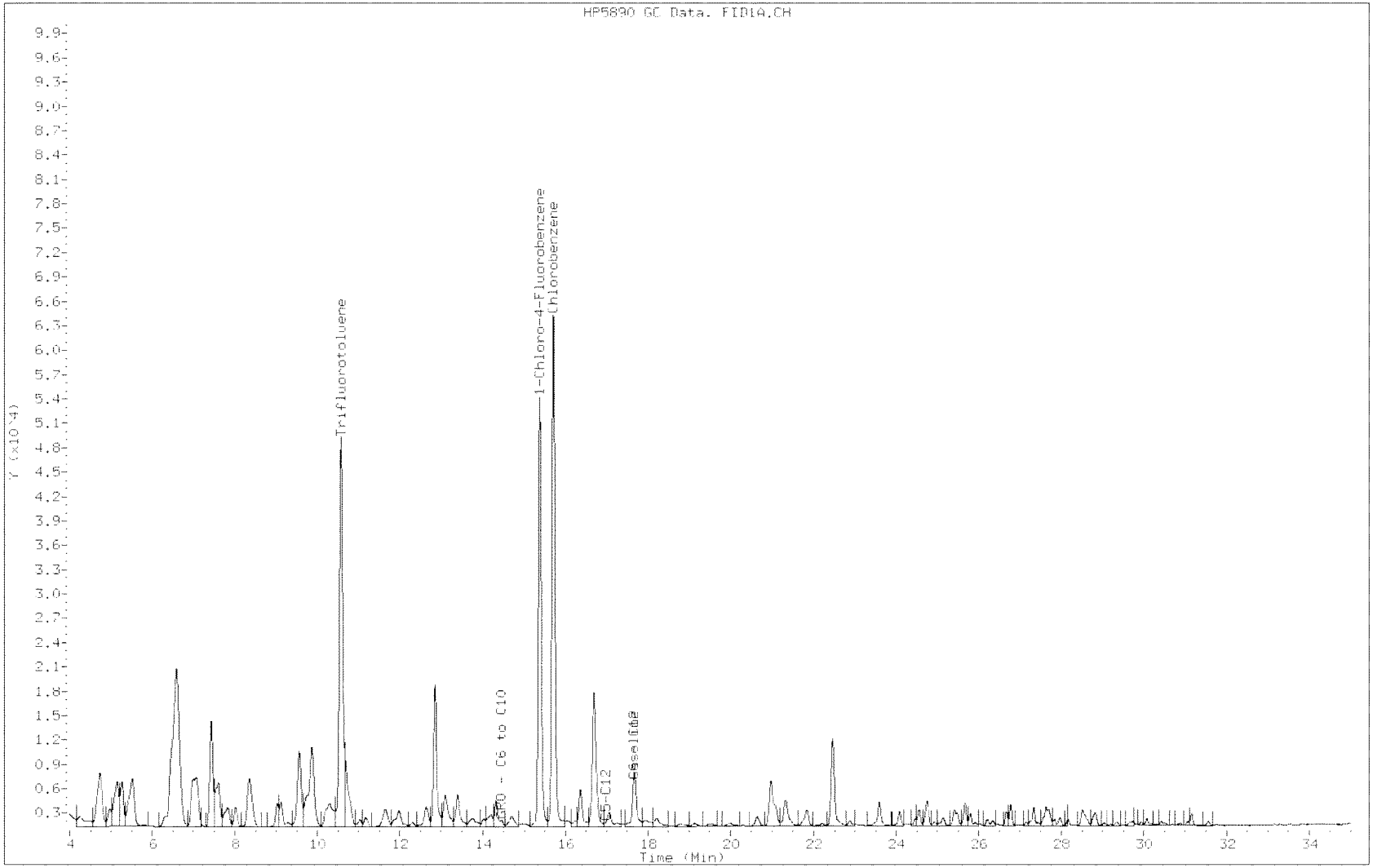
Date: 11-APR-2012 16:10

Client ID:

Instrument: GC_K.i

Sample Info: IC-1353577 L5

Operator: AMB



Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 11-APR-2012 16:10
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

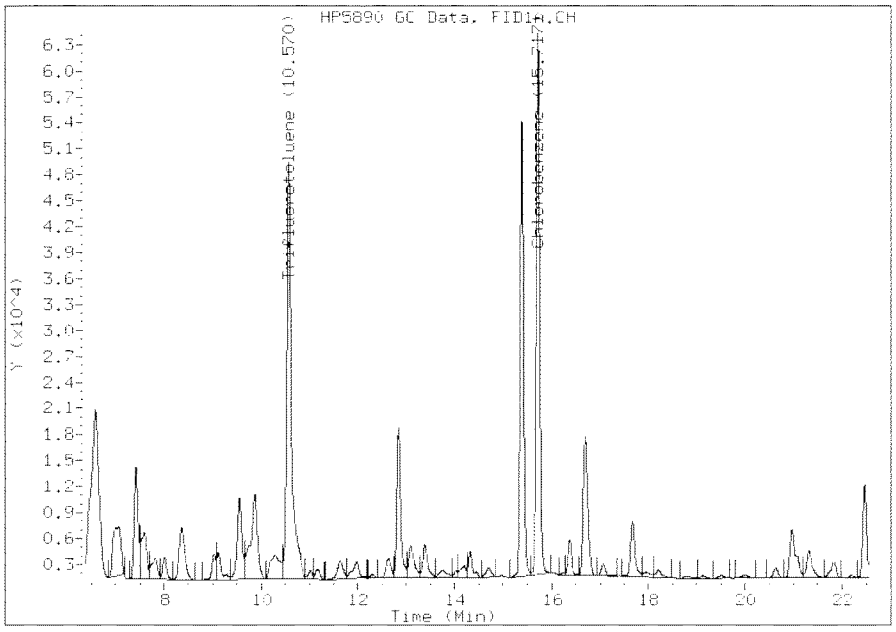
Processing Integration Results

RT: 14.46

Response: 1325089

Amount: 480.74

Conc: 480.74



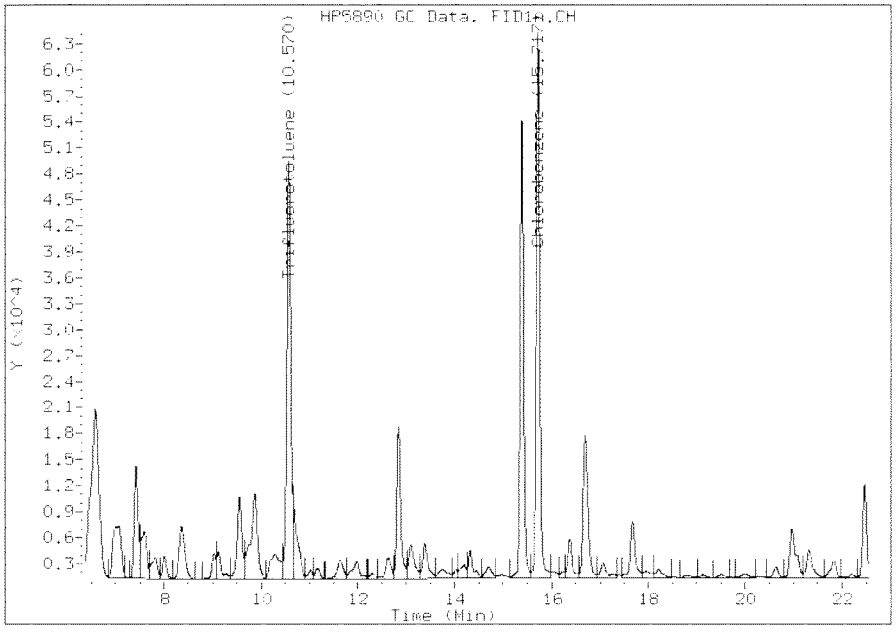
Manual Integration Results

RT: 14.46

Response: 1493161

Amount: 524.58

Conc: 524.58



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 11-APR-2012 16:10
Instrument ID: GC_K.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 04/12/2012

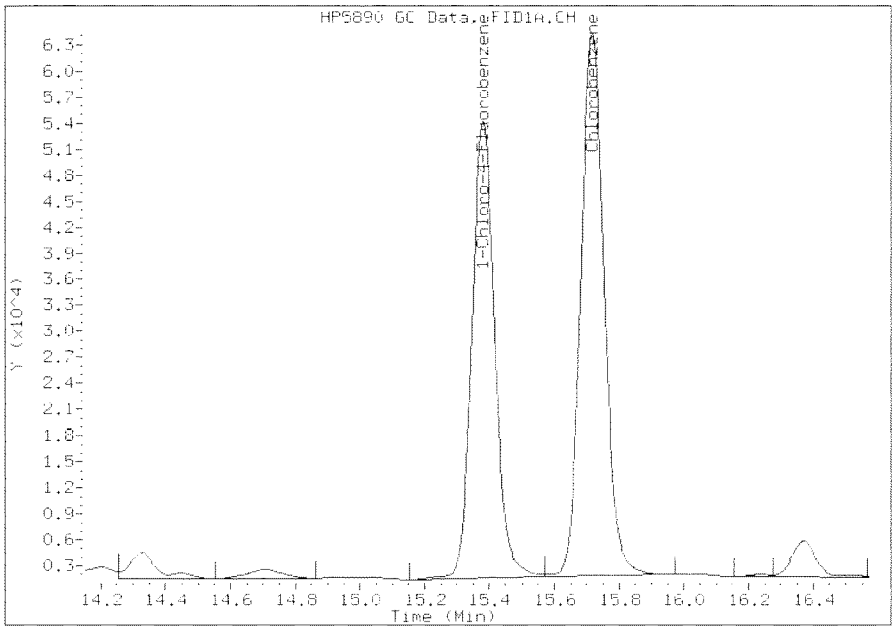
Processing Integration Results

RT: 15.38

Response: 259228

Amount: 75.15

Conc: 75.15



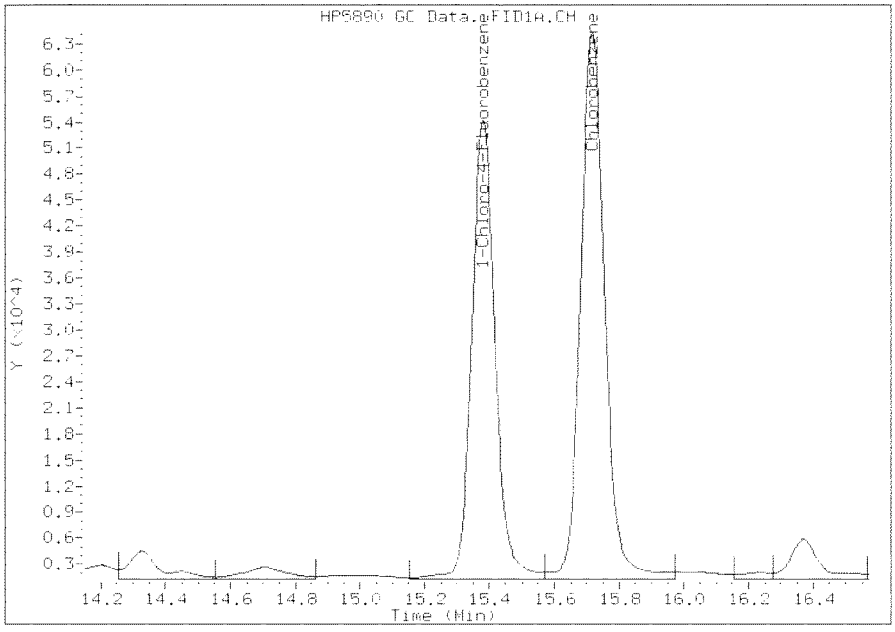
Manual Integration Results

RT: 15.38

Response: 266250

Amount: 76.63

Conc: 76.63



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 11-APR-2012 16:10
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

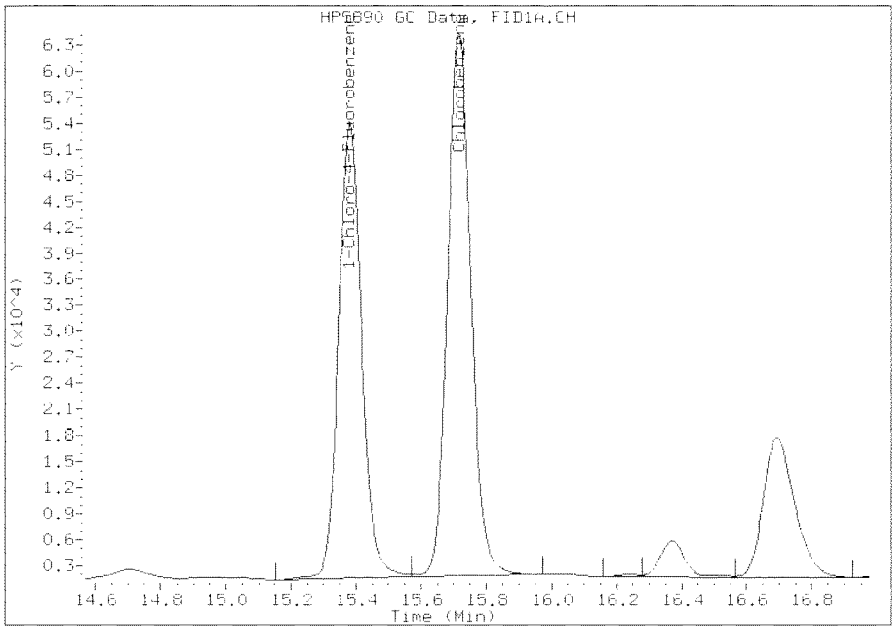
Processing Integration Results

RT: 15.72

Response: 313150

Amount: 73.78

Conc: 73.78



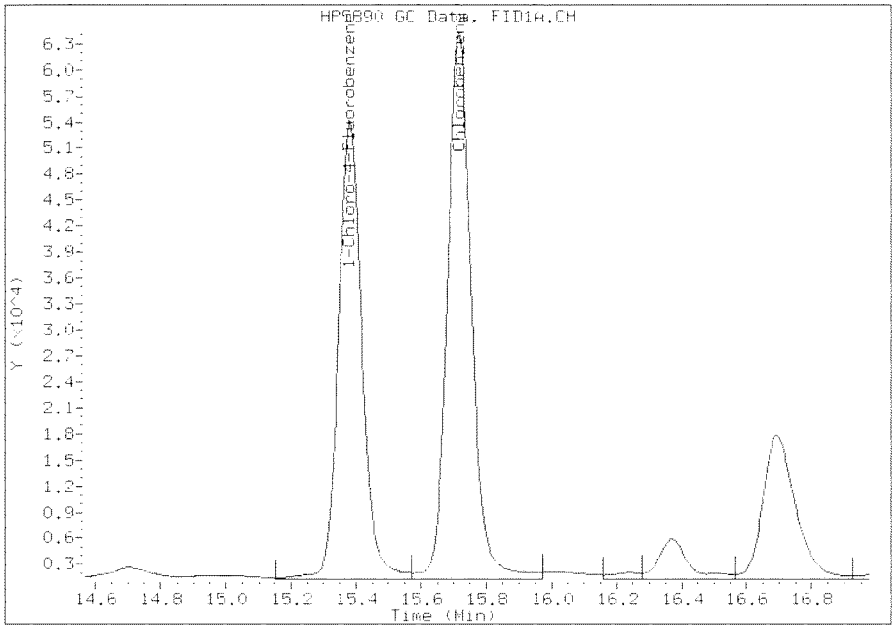
Manual Integration Results

RT: 15.72

Response: 327697

Amount: 76.29

Conc: 76.29



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 11-APR-2012 16:10
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

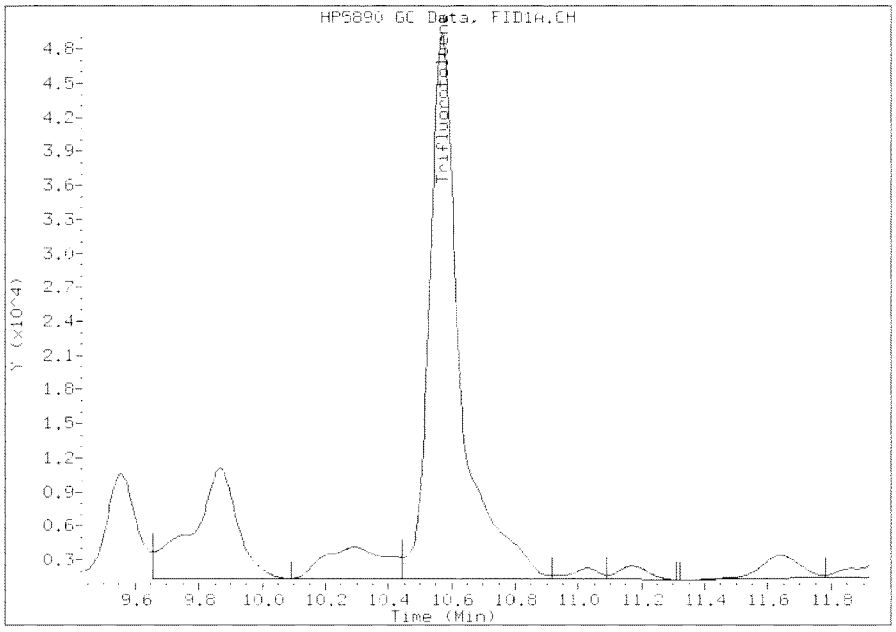
Processing Integration Results

RT: 10.57

Response: 330078

Amount: 87.09

Conc: 87.09



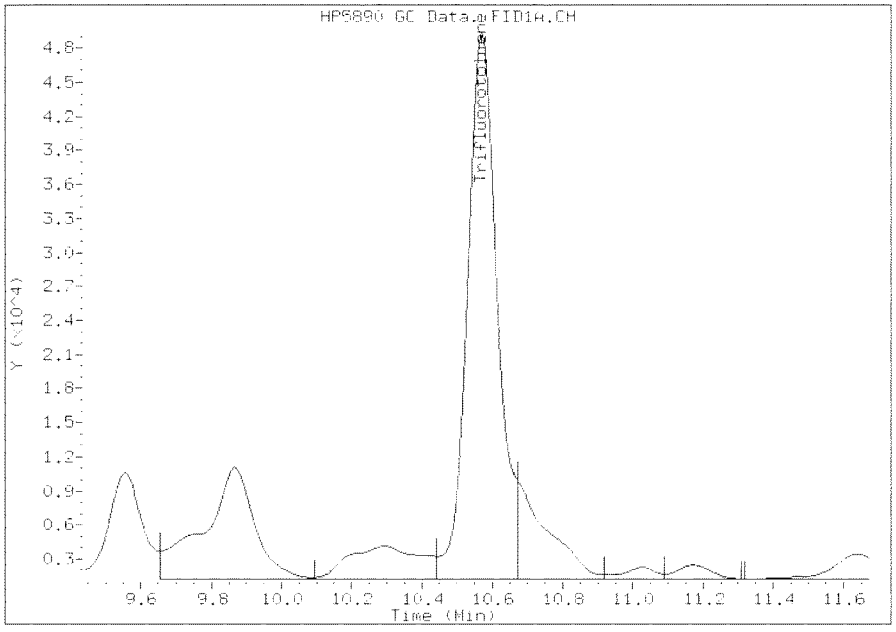
Manual Integration Results

RT: 10.57

Response: 282031

Amount: 78.71

Conc: 78.71



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 11-APR-2012 16:10
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

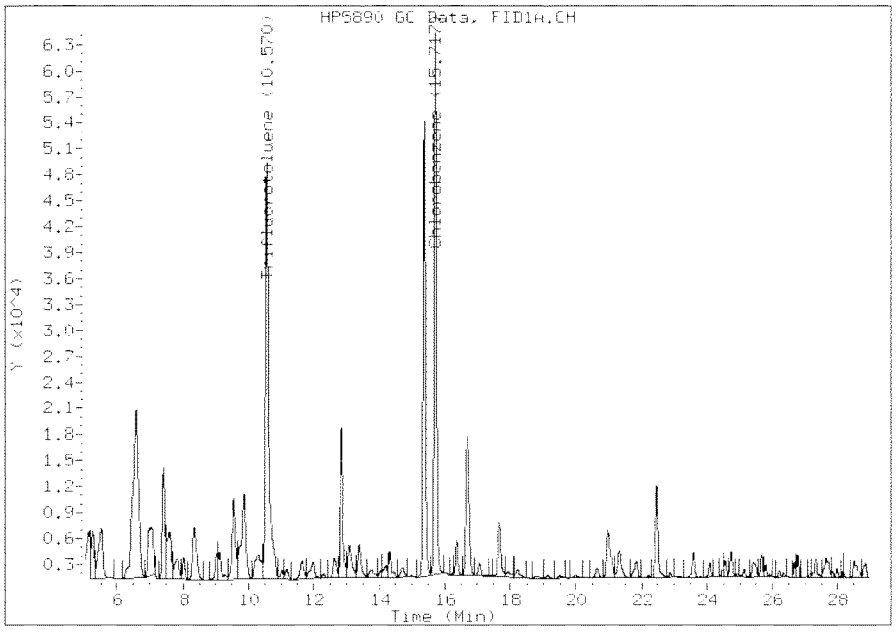
Processing Integration Results

RT: 16.98

Response: 1822384

Amount: 507.34

Conc: 507.34



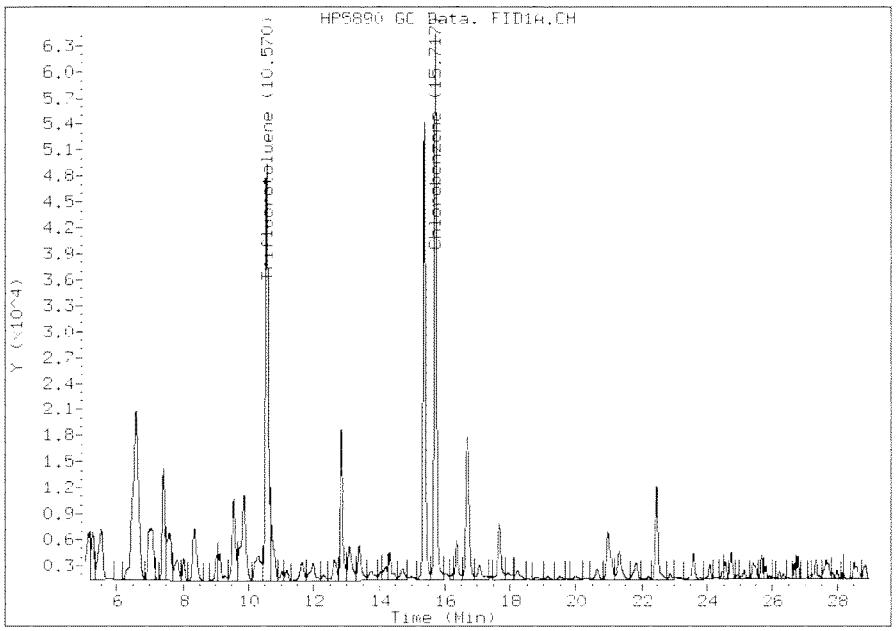
Manual Integration Results

RT: 16.98

Response: 1897848

Amount: 522.15

Conc: 522.15



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 11-APR-2012 16:10
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

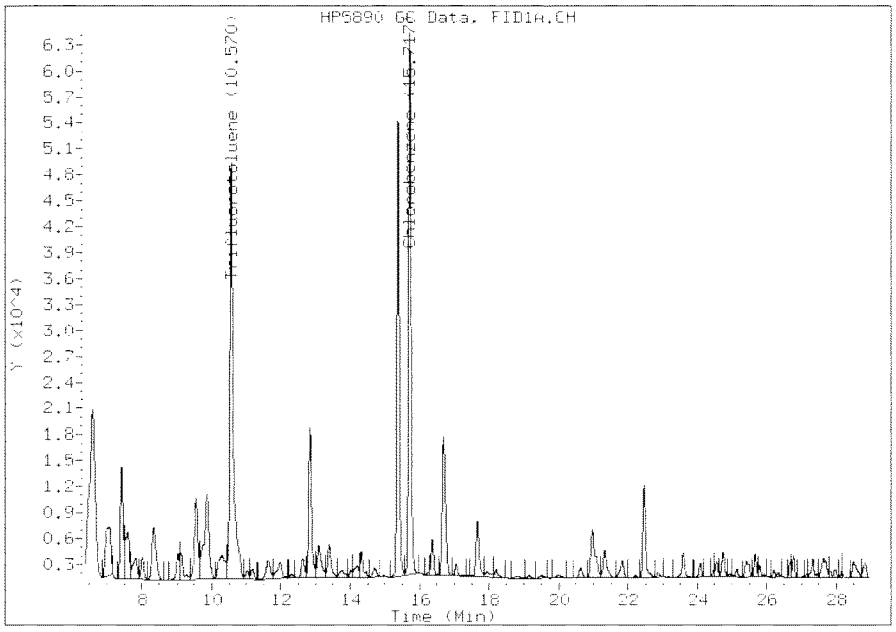
Processing Integration Results

RT: 17.65

Response: 1567444

Amount: 474.52

Conc: 474.52



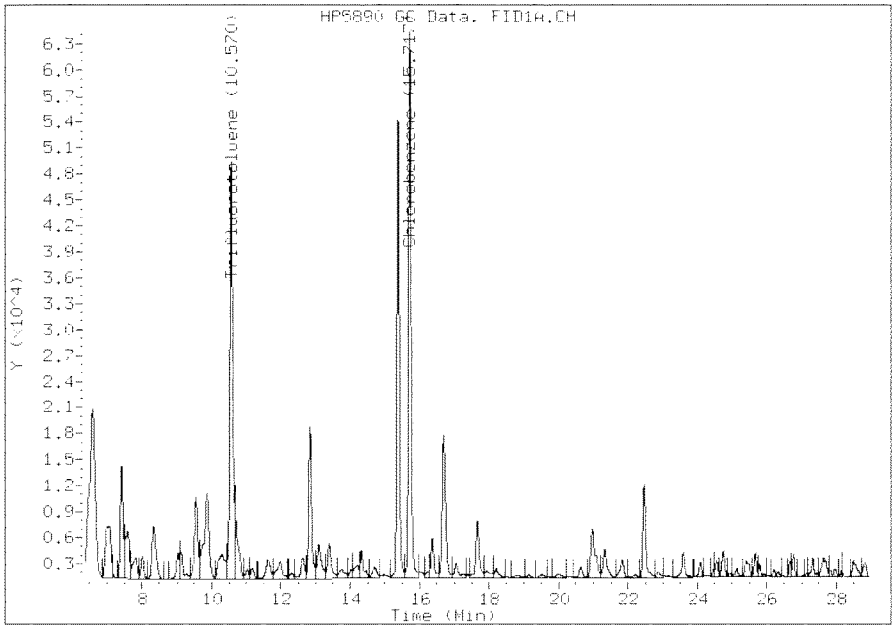
Manual Integration Results

RT: 17.65

Response: 1764592

Amount: 517.99

Conc: 517.99



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\115F0501.D
Lab Smp Id: ICRT-1353577 L4
Inj Date : 11-APR-2012 16:53
Operator : AMB   Inst ID: GC_K.i
Smp Info : ICRT-1353577 L4
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 10:29 byla   Quant Type: ESTD
Cal Date : 11-APR-2012 16:53   Cal File: 115F0501.D
Als bottle: 115   Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Chlorobenzene	15.720	15.720	0.000	123484	30.0000	30.0000(M)
S 165 Gasoline	6.483-28.823			645300	200.000	200.000(M)
$ 2 Trifluorotoluene	10.573	10.573	0.000	103650	30.0000	30.0000(M)
S 3 GRO - C6 to C10	6.483-22.443			542661	200.000	200.000(M)
S 163 C6 - C12	6.483-28.823			645300	200.000	200.000(M)
S 164 C5-C12	5.143-28.823			681524	200.000	200.000(M)
4 1-Chloro-4-Fluorobenzene	15.383	15.383	0.000	100719	30.0000	30.0000(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 115F0501.D

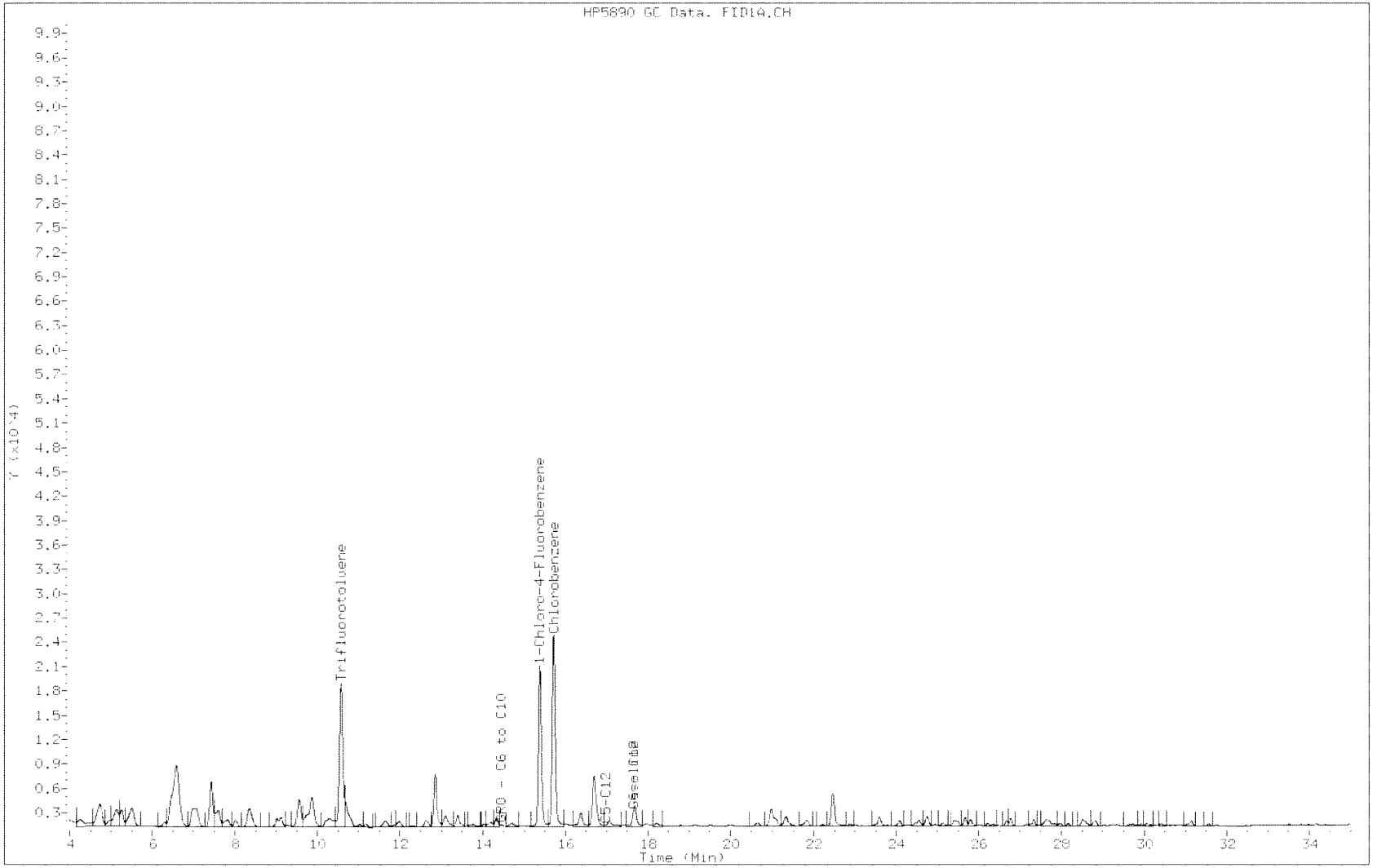
Date: 11-APR-2012 16:53

Client ID:

Instrument: GC_K.i

Sample Info: ICRT-1353577 L4

Operator: AMB



Manual Integration Report

Data File: 115F0501.D
Inj. Date and Time: 11-APR-2012 16:53
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

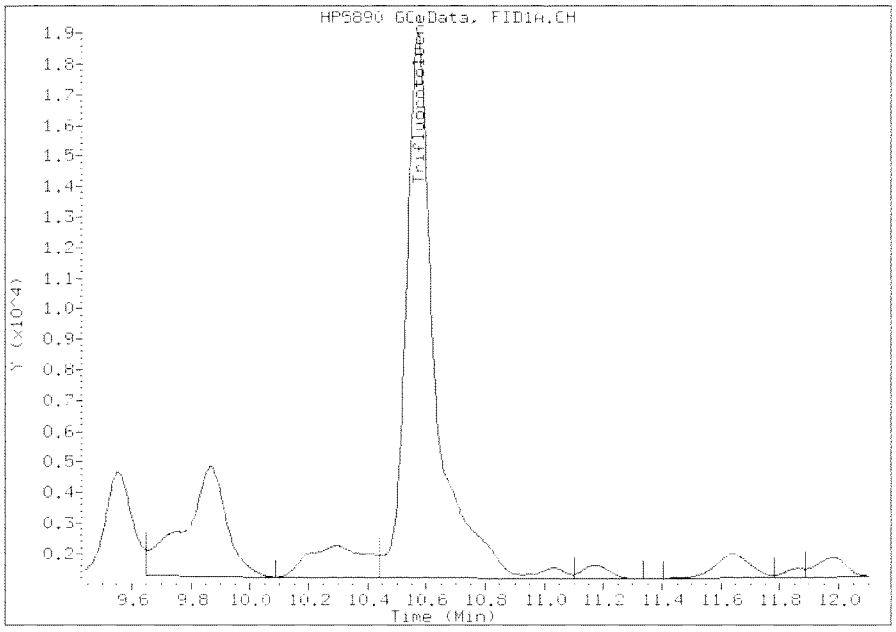
Processing Integration Results

RT: 10.57

Response: 125815

Amount: 30.00

Conc: 30.00



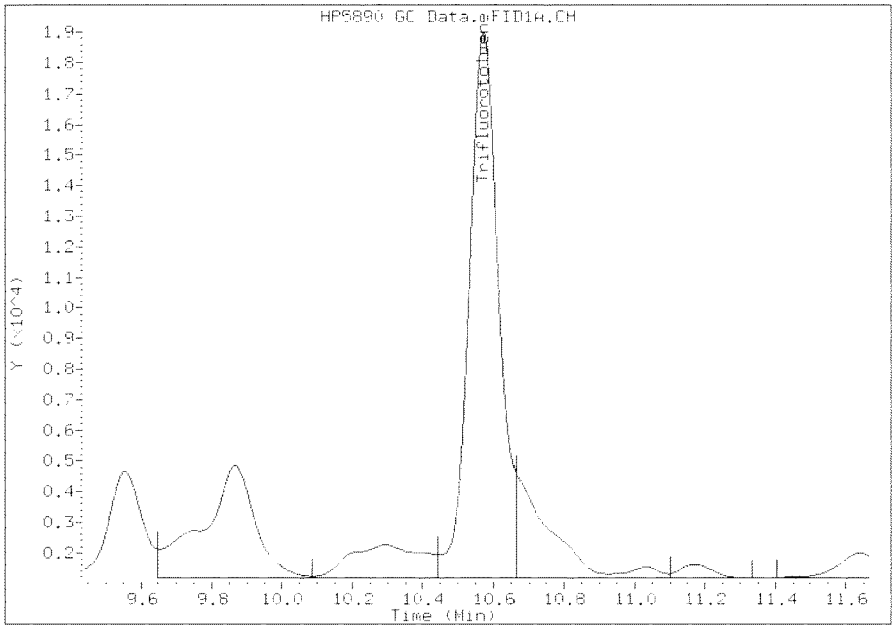
Manual Integration Results

RT: 10.57

Response: 103650

Amount: 30.00

Conc: 30.00



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 115F0501.D
Inj. Date and Time: 11-APR-2012 16:53
Instrument ID: GC_K.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 04/12/2012

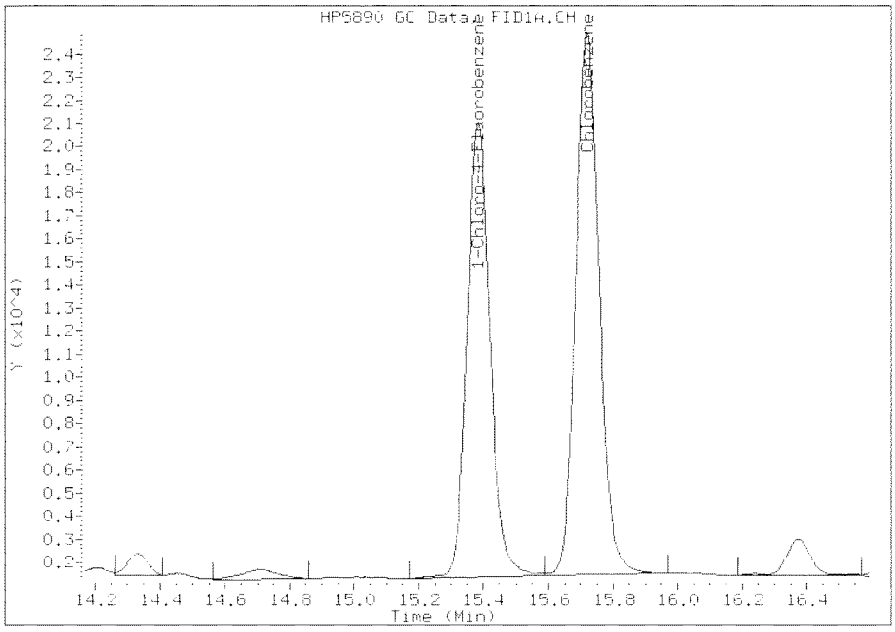
Processing Integration Results

RT: 15.38

Response: 97610

Amount: 30.00

Conc: 30.00



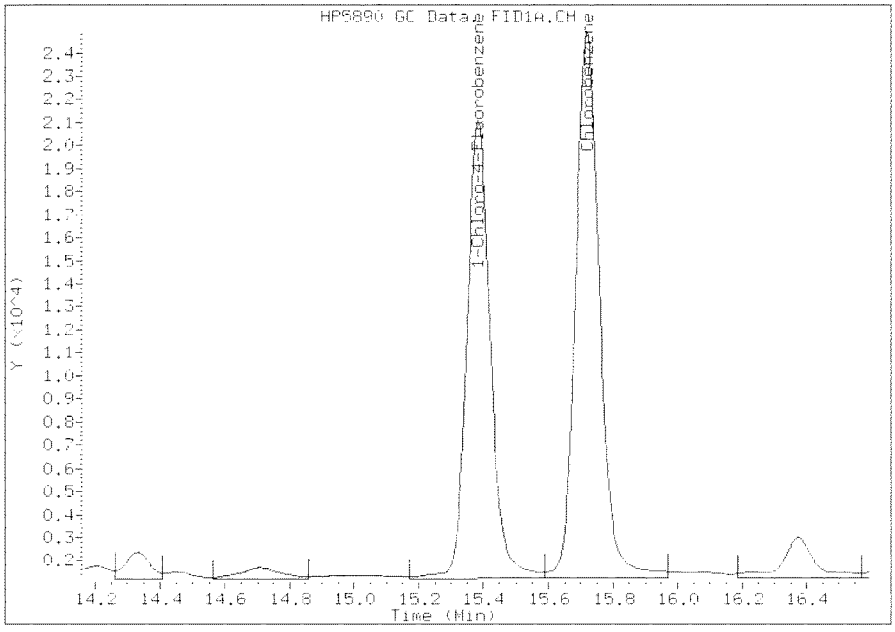
Manual Integration Results

RT: 15.38

Response: 100719

Amount: 30.00

Conc: 30.00



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 115F0501.D
Inj. Date and Time: 11-APR-2012 16:53
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

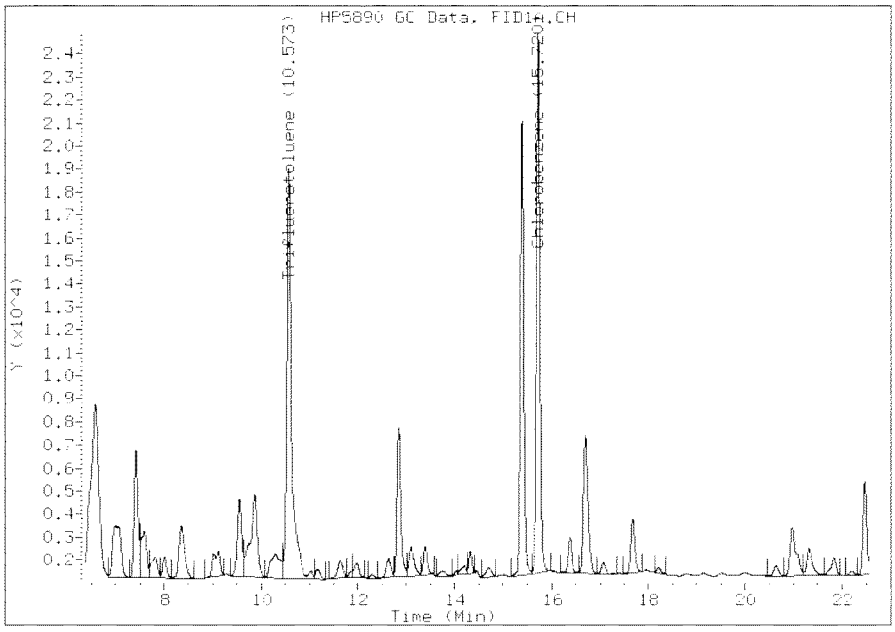
Processing Integration Results

RT: 14.46

Response: 517890

Amount: 200.00

Conc: 200.00



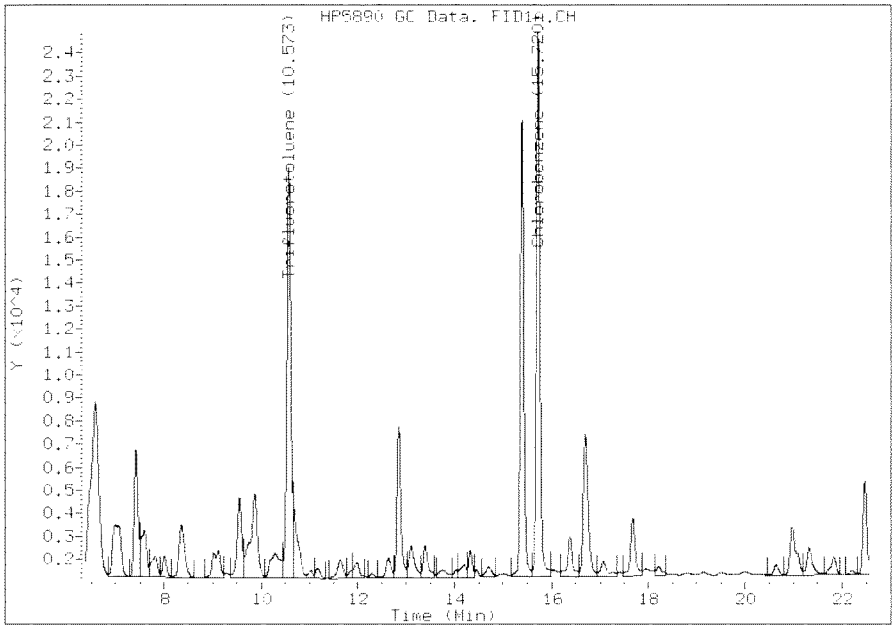
Manual Integration Results

RT: 14.46

Response: 542661

Amount: 200.00

Conc: 200.00



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 115F0501.D
Inj. Date and Time: 11-APR-2012 16:53
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

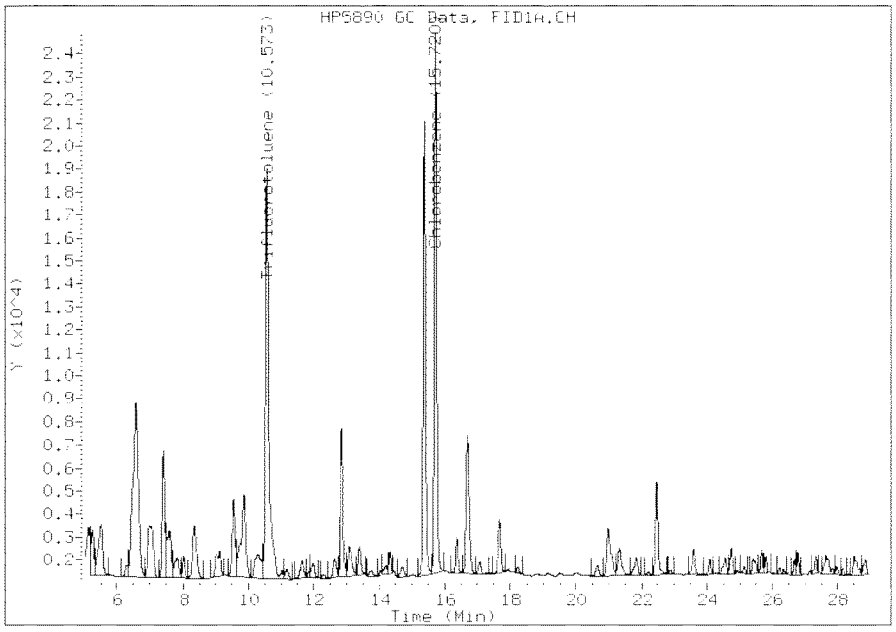
Processing Integration Results

RT: 16.98

Response: 657618

Amount: 200.00

Conc: 200.00



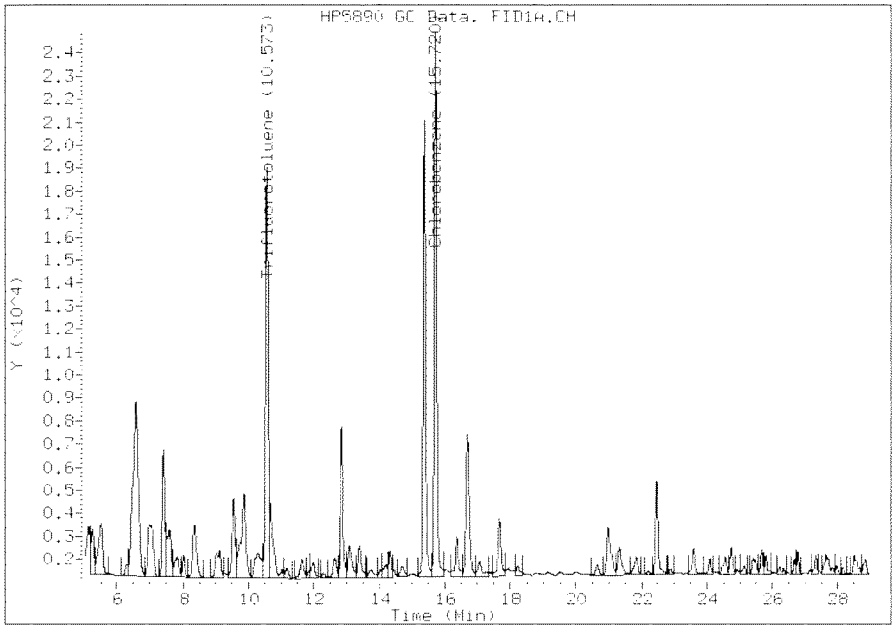
Manual Integration Results

RT: 16.98

Response: 681524

Amount: 200.00

Conc: 200.00



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 115F0501.D
Inj. Date and Time: 11-APR-2012 16:53
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

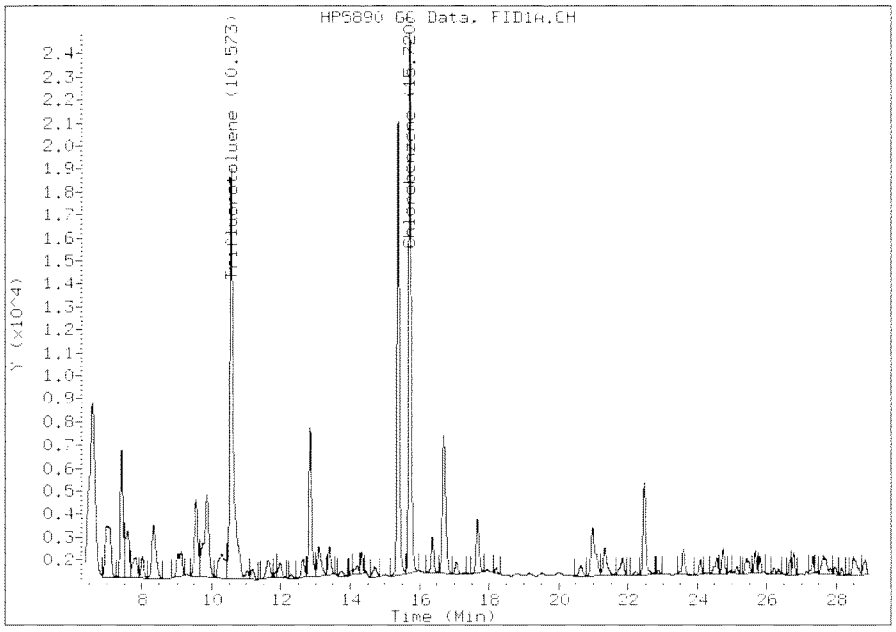
Processing Integration Results

RT: 17.65

Response: 621394

Amount: 200.00

Conc: 200.00



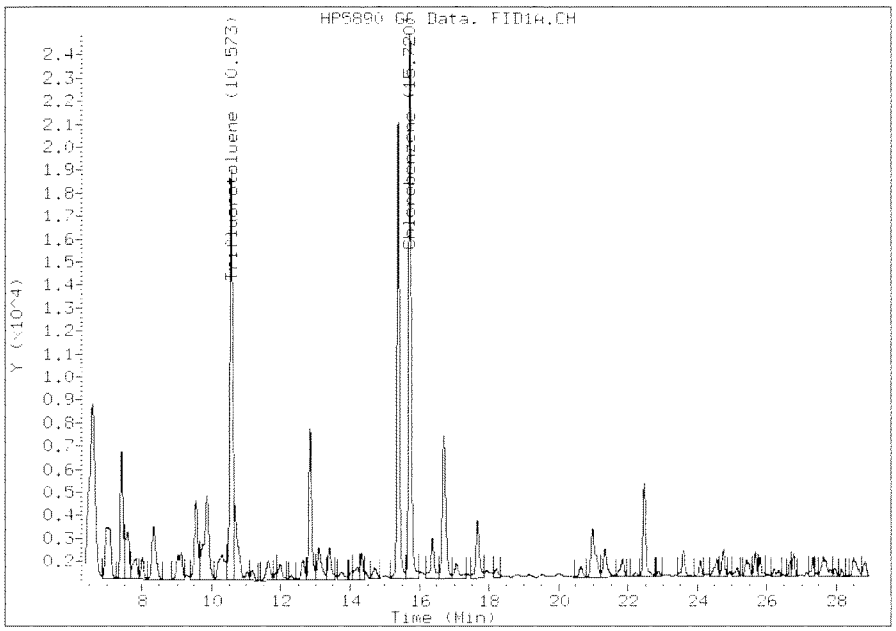
Manual Integration Results

RT: 17.65

Response: 645300

Amount: 200.00

Conc: 200.00



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 115F0501.D
Inj. Date and Time: 11-APR-2012 16:53
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

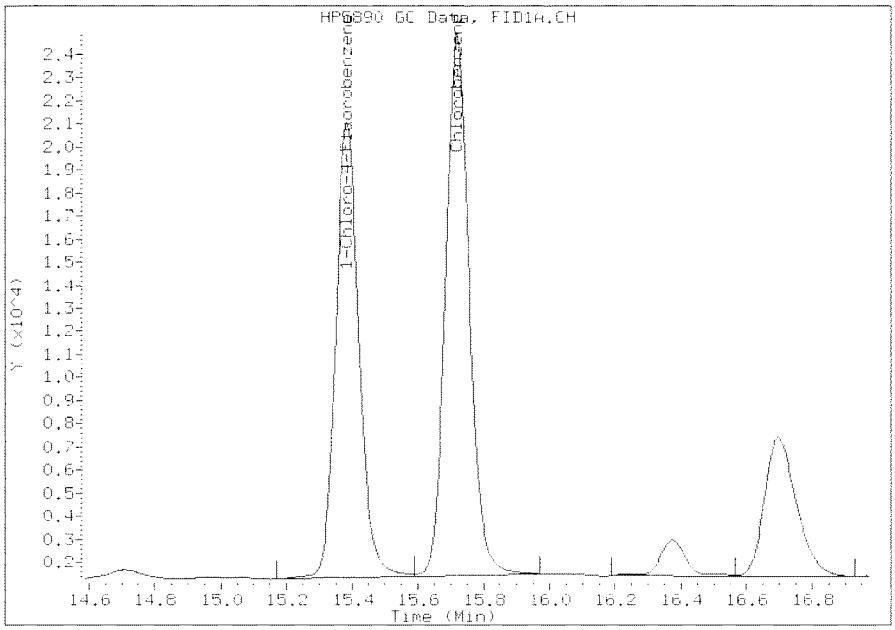
Processing Integration Results

RT: 15.72

Response: 118000

Amount: 30.00

Conc: 30.00



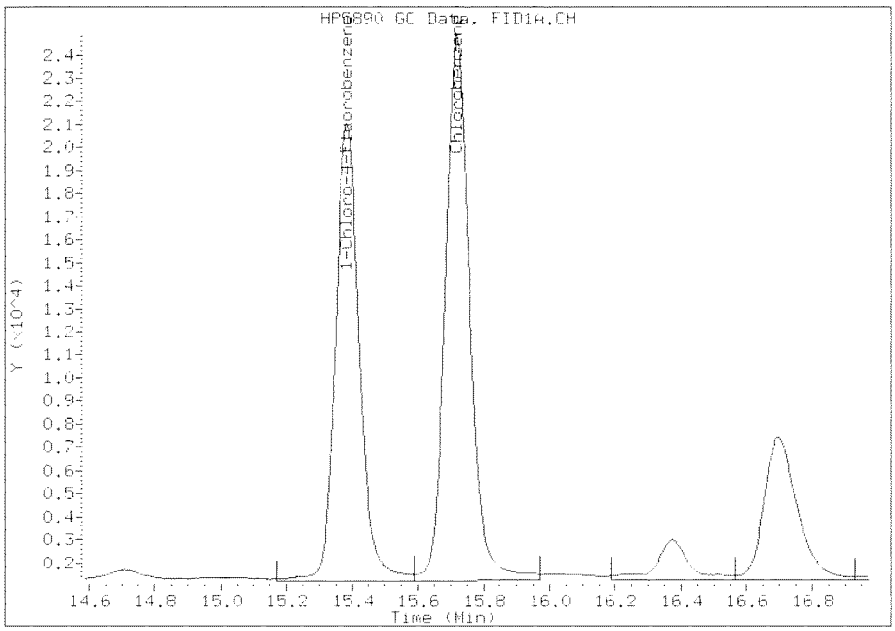
Manual Integration Results

RT: 15.72

Response: 123484

Amount: 30.00

Conc: 30.00



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\116F0601.D
Lab Smp Id: IC-1353577 L3
Inj Date : 11-APR-2012 17:36
Operator : AMB   Inst ID: GC_K.i
Smp Info : IC-1353577 L3
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 11:39 GC_K.i   Quant Type: ESTD
Cal Date : 11-APR-2012 16:10   Cal File: 114F0401.D
Als bottle: 116   Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Chlorobenzene	15.713	15.720	-0.007	58709	15.0000	14.1050(M)
S 165 Gasoline	6.483-28.823			303278	100.000	94.9676(aM)
$ 2 Trifluorotoluene	10.566	10.573	-0.007	48752	15.0000	12.9535(M)
S 3 GRO - C6 to C10	6.483-22.443			249548	100.000	92.6154(M)
S 163 C6 - C12	6.483-28.823			303278	100.000	94.9676(aM)
S 164 C5-C12	5.143-28.823			315399	100.000	92.4050(aM)
4 1-Chloro-4-Fluorobenzene	15.376	15.383	-0.007	48141	15.0000	14.1385(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 116F0601.D

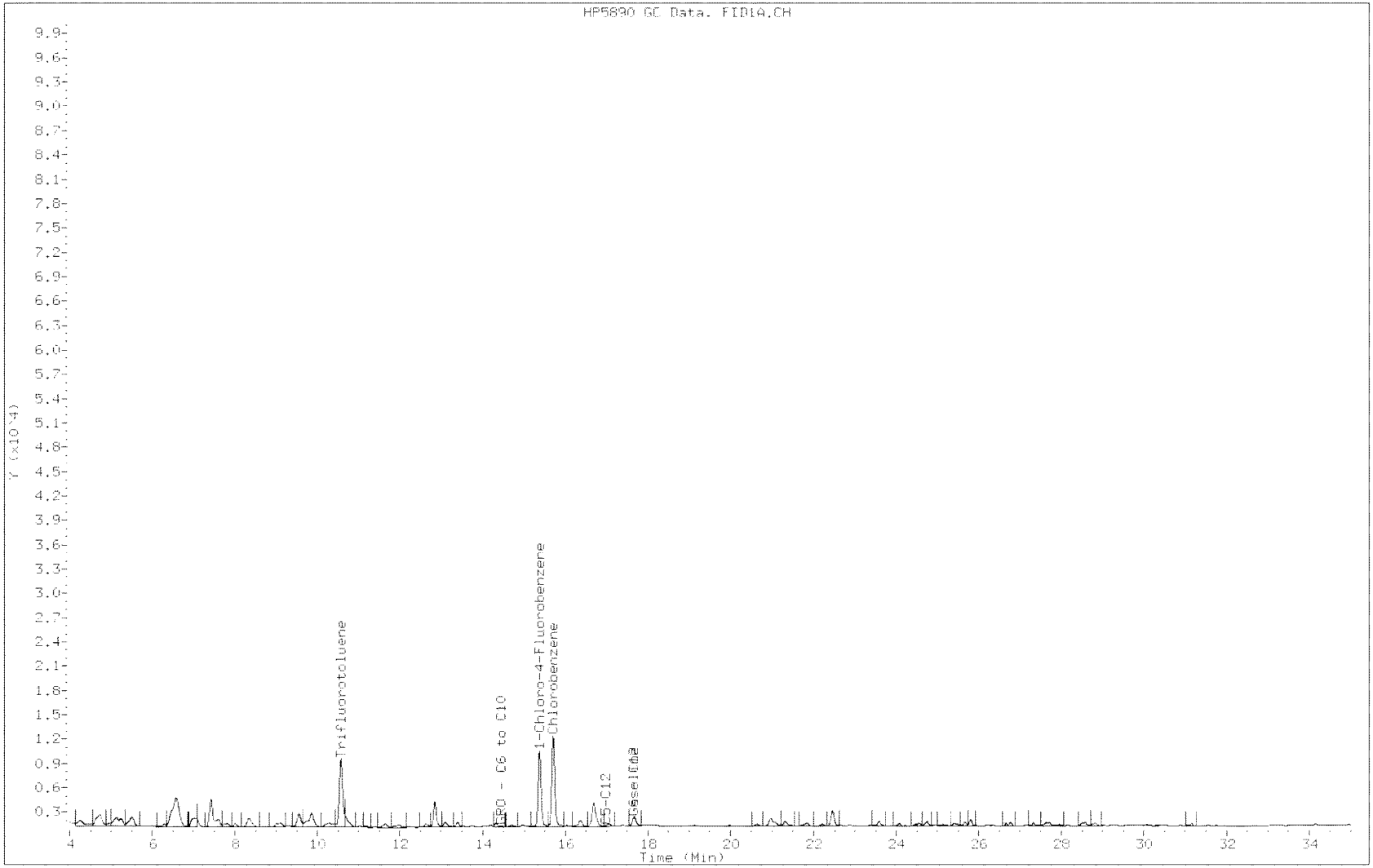
Date: 11-APR-2012 17:36

Client ID:

Instrument: GC_K.i

Sample Info: IC-1353577 L3

Operator: AMB



Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 11-APR-2012 17:36
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

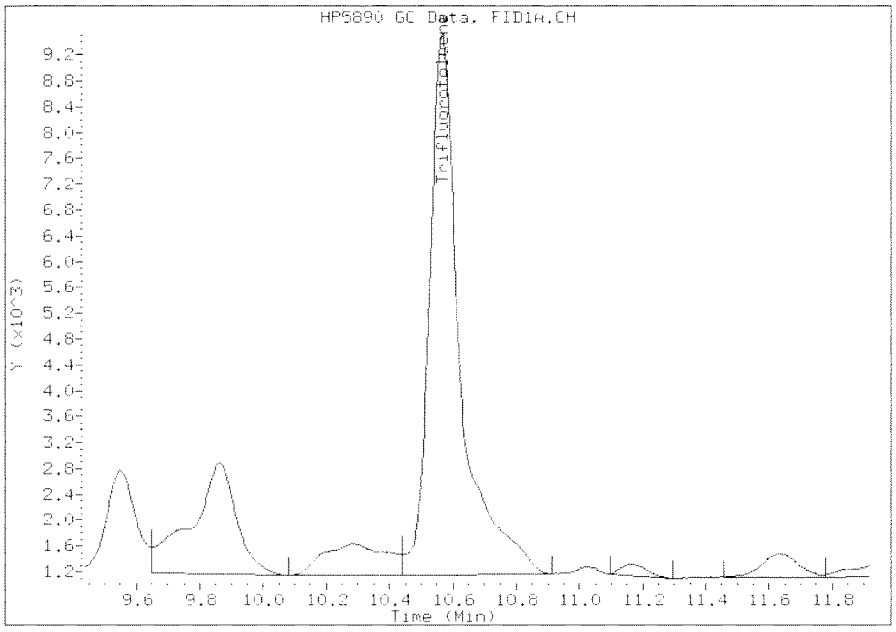
Processing Integration Results

RT: 10.57

Response: 56989

Amount: 15.37

Conc: 15.37



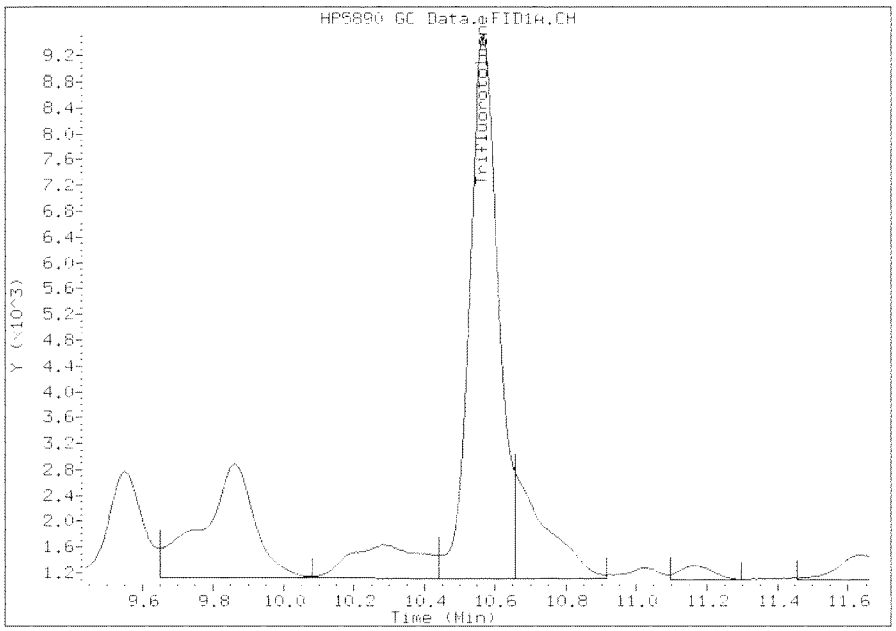
Manual Integration Results

RT: 10.57

Response: 48752

Amount: 12.95

Conc: 12.95



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 11-APR-2012 17:36
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

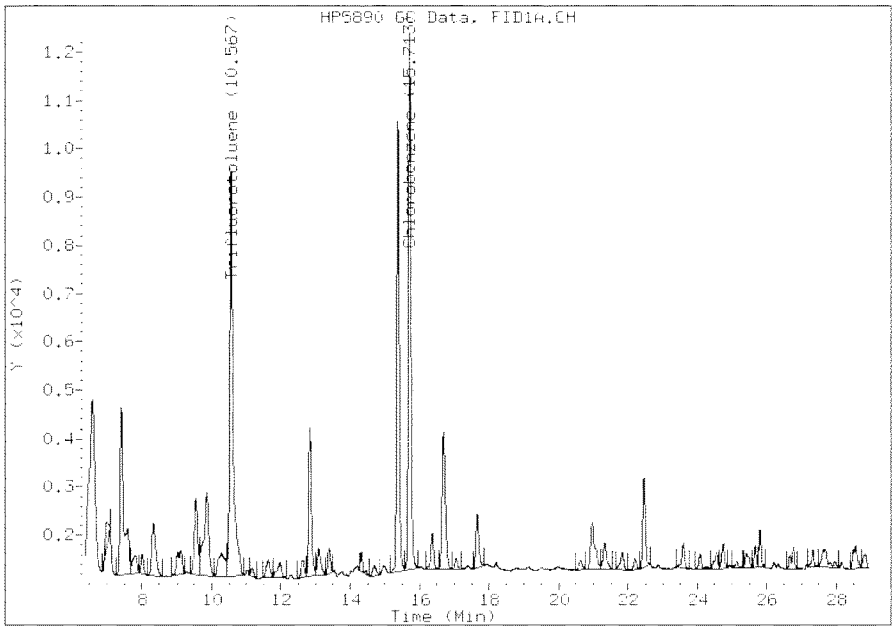
Processing Integration Results

RT: 17.65

Response: 255340

Amount: 97.54

Conc: 97.54



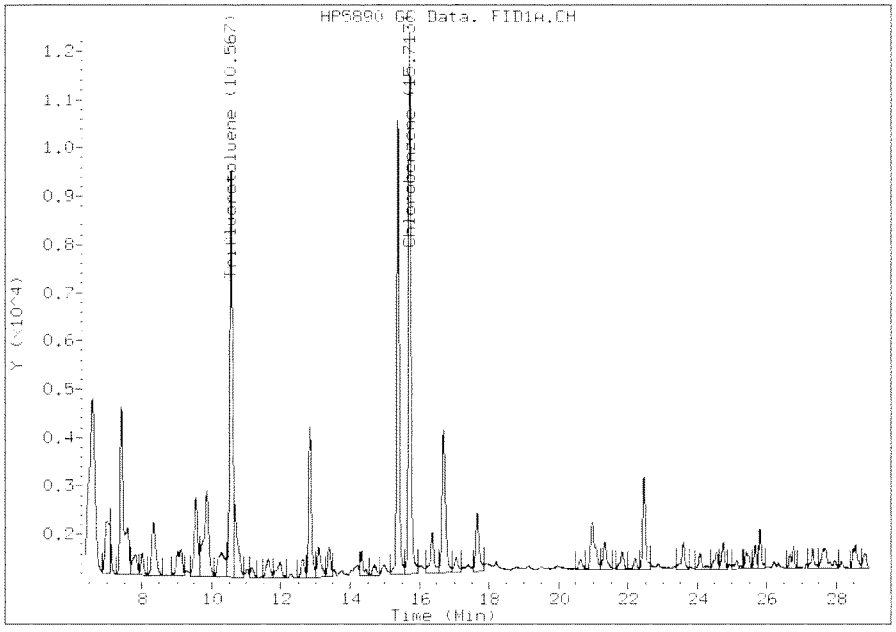
Manual Integration Results

RT: 17.65

Response: 303278

Amount: 94.97

Conc: 94.97



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 11-APR-2012 17:36
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

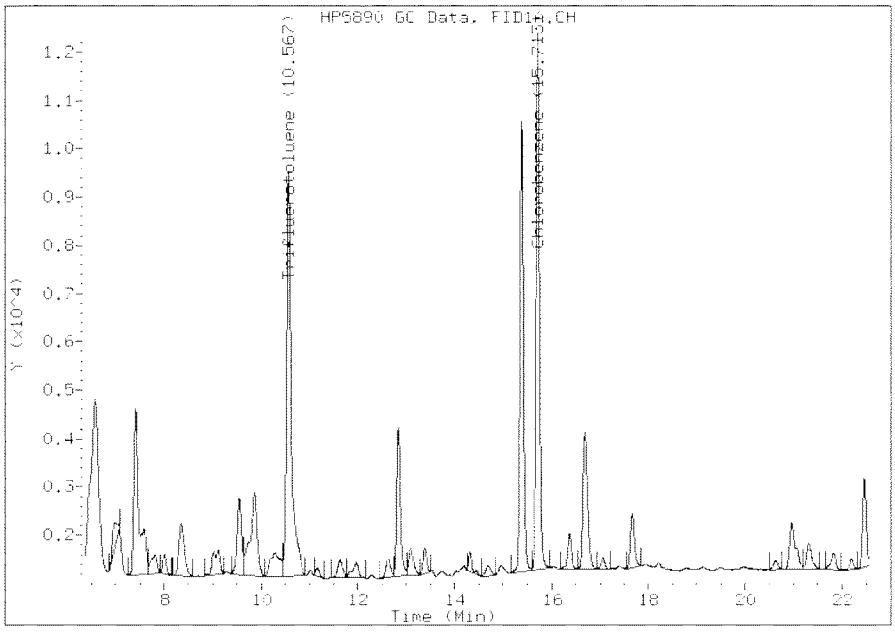
Processing Integration Results

RT: 14.46

Response: 210673

Amount: 97.47

Conc: 97.47



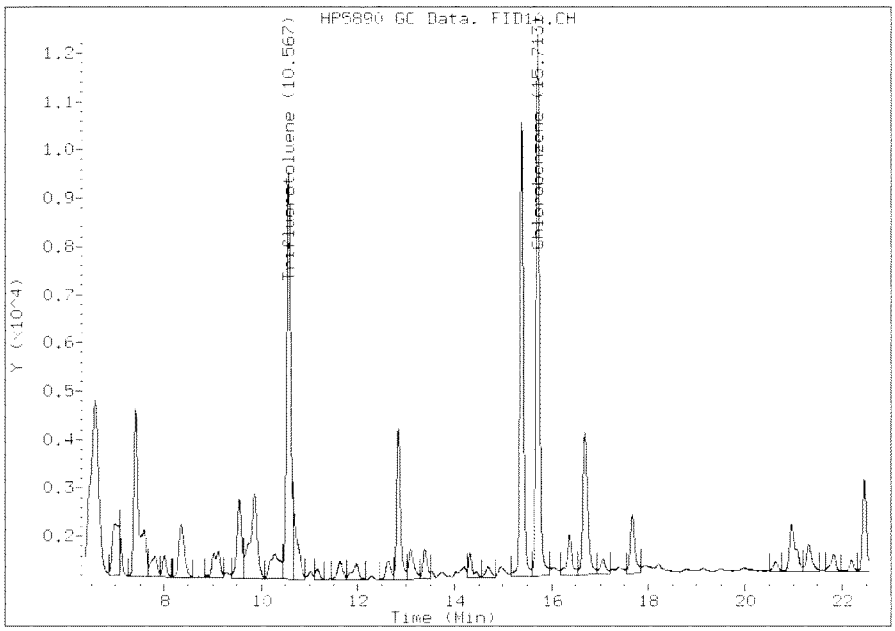
Manual Integration Results

RT: 14.46

Response: 249548

Amount: 92.62

Conc: 92.62



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 11-APR-2012 17:36
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

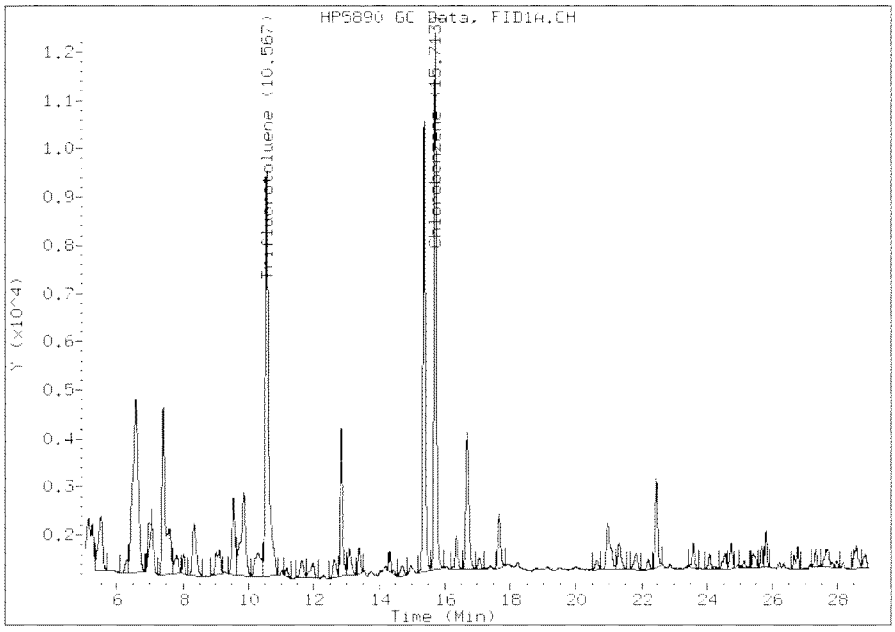
Processing Integration Results

RT: 16.98

Response: 304604

Amount: 91.70

Conc: 91.70



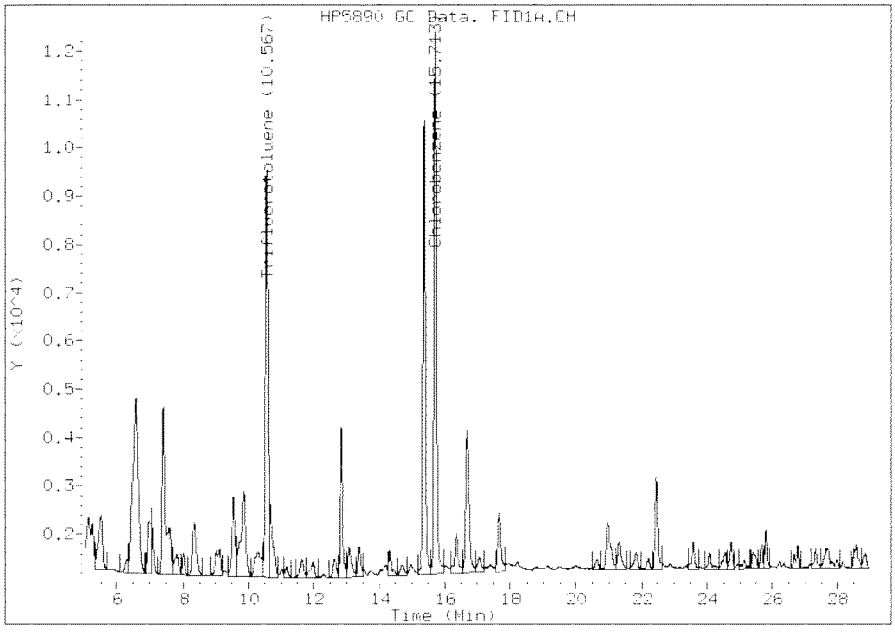
Manual Integration Results

RT: 16.98

Response: 315399

Amount: 92.41

Conc: 92.41



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 11-APR-2012 17:36
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

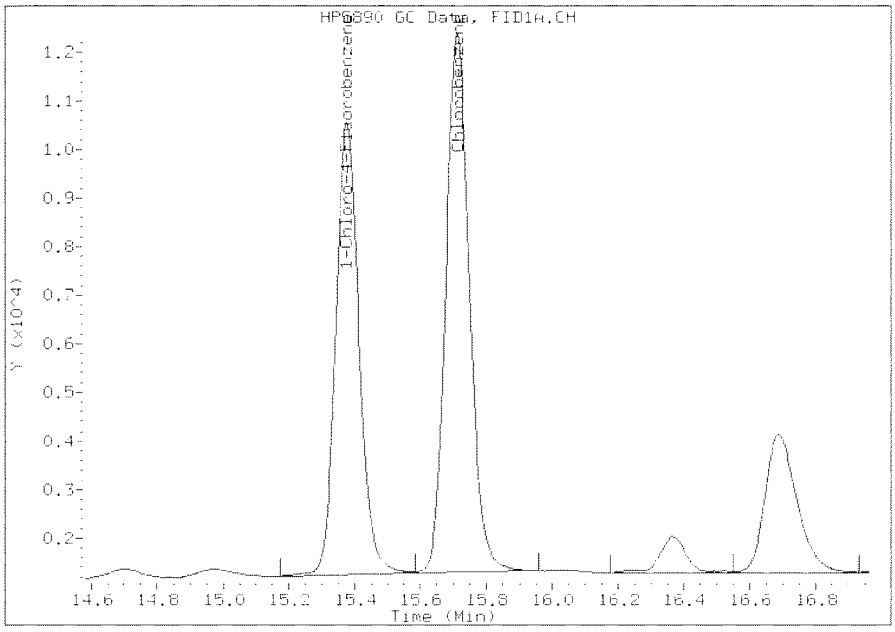
Processing Integration Results

RT: 15.71

Response: 55878

Amount: 13.59

Conc: 13.59



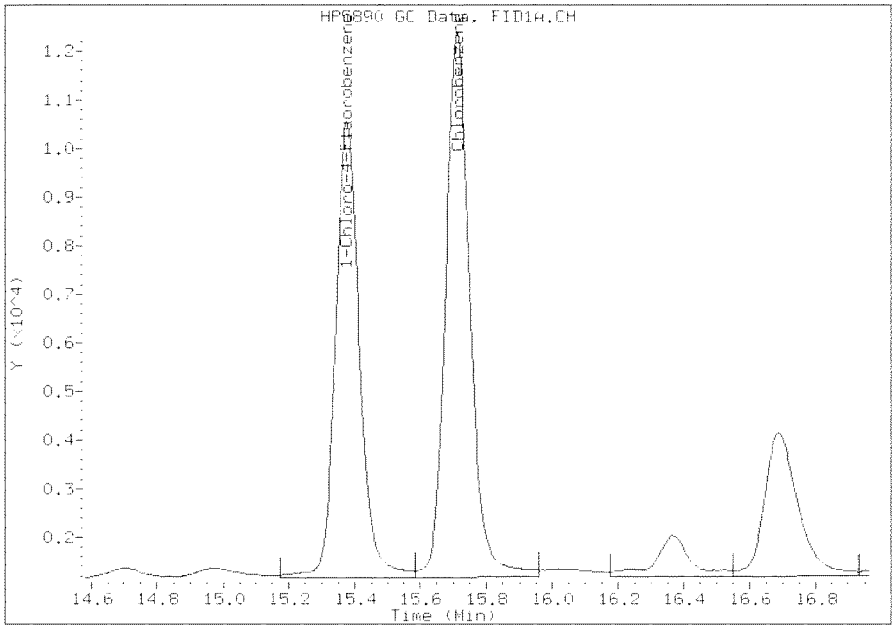
Manual Integration Results

RT: 15.71

Response: 58709

Amount: 14.11

Conc: 14.11



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 116F0601.D
Inj. Date and Time: 11-APR-2012 17:36
Instrument ID: GC_K.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 04/12/2012

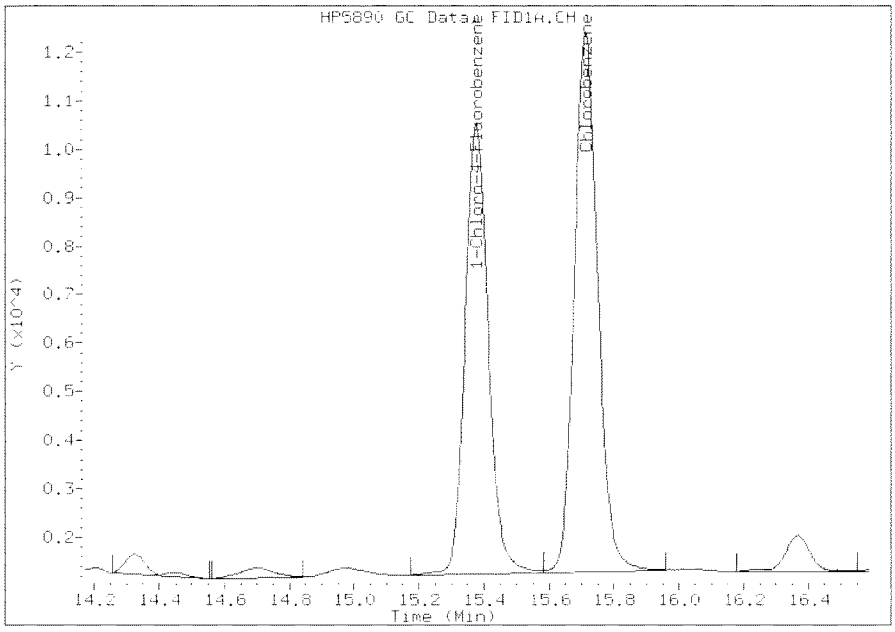
Processing Integration Results

RT: 15.38

Response: 46090

Amount: 13.77

Conc: 13.77



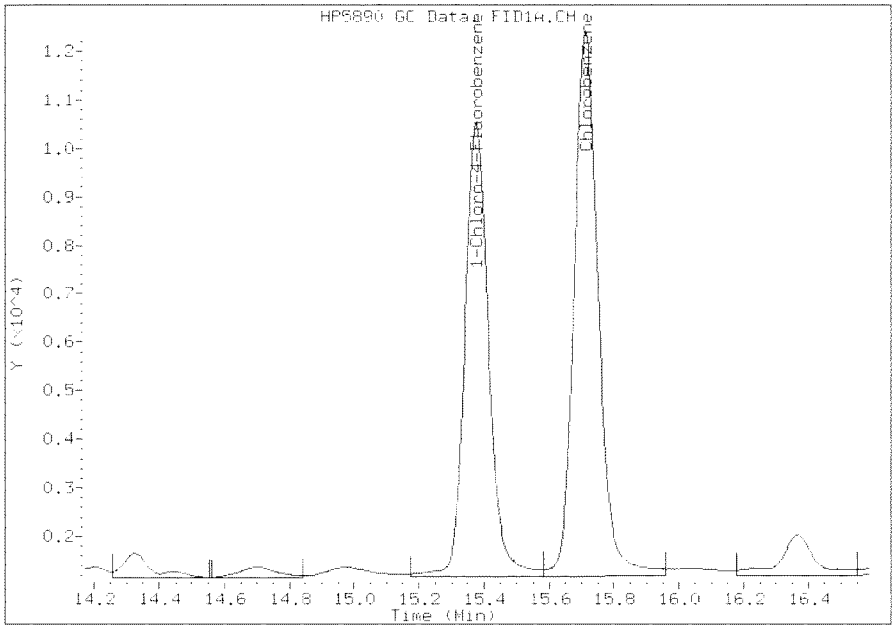
Manual Integration Results

RT: 15.38

Response: 48141

Amount: 14.14

Conc: 14.14



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\201F0701.D
Lab Smp Id: IC-1353577 L2
Inj Date : 11-APR-2012 18:18
Operator : AMB   Inst ID: GC_K.i
Smp Info : IC-1353577 L2
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 11:40 GC_K.i   Quant Type: ESTD
Cal Date : 11-APR-2012 17:36   Cal File: 116F0601.D
Als bottle: 201   Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Chlorobenzene	15.713	15.720	-0.007	31445	7.50000	7.71088(M)
S 165 Gasoline	6.483-28.823			158063	50.0000	51.3681(aM)
$ 2 Trifluorotoluene	10.570	10.573	-0.003	26414	7.50000	7.06681(M)
S 3 GRO - C6 to C10	6.483-22.443			132608	50.0000	50.4163(M)
S 163 C6 - C12	6.483-28.823			158063	50.0000	51.3681(aM)
S 164 C5-C12	5.143-28.823			169552	50.0000	51.3918(aM)
4 1-Chloro-4-Fluorobenzene	15.376	15.383	-0.007	25785	7.50000	7.67689(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 201F0701.D

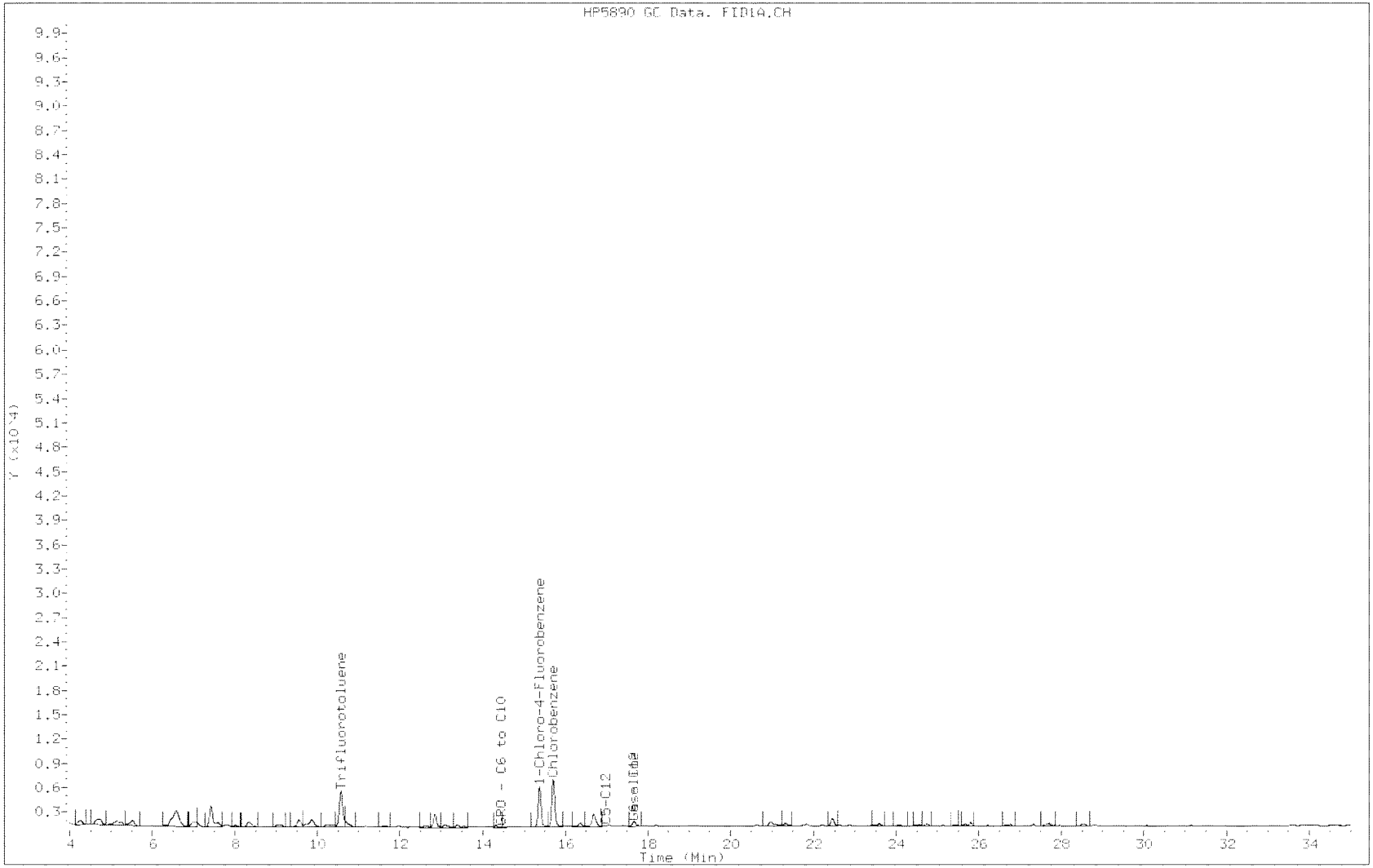
Date: 11-APR-2012 18:18

Client ID:

Instrument: GC_K.i

Sample Info: IC-1353577 L2

Operator: AMB



Manual Integration Report

Data File: 201F0701.D
Inj. Date and Time: 11-APR-2012 18:18
Instrument ID: GC_K.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 04/12/2012

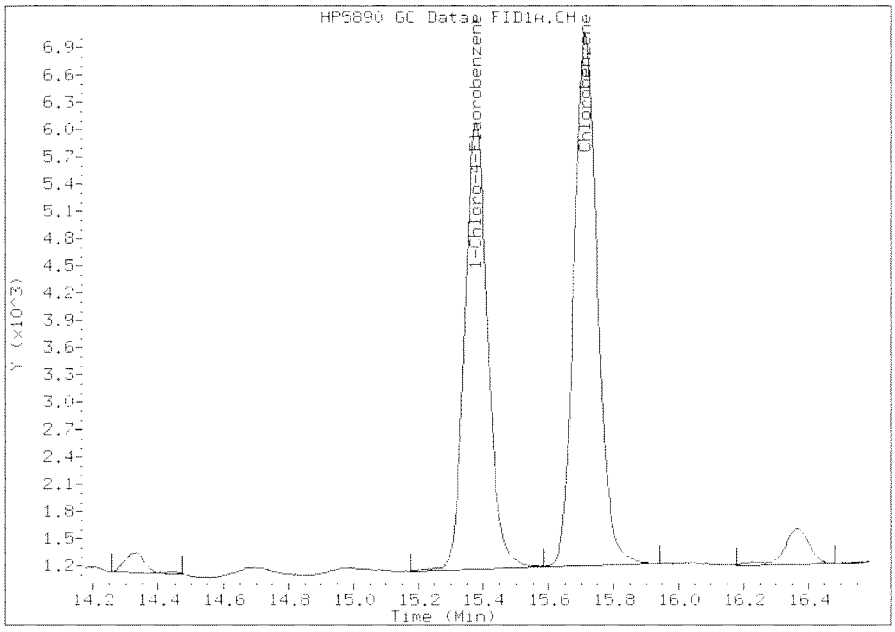
Processing Integration Results

RT: 15.38

Response: 24210

Amount: 7.39

Conc: 7.39



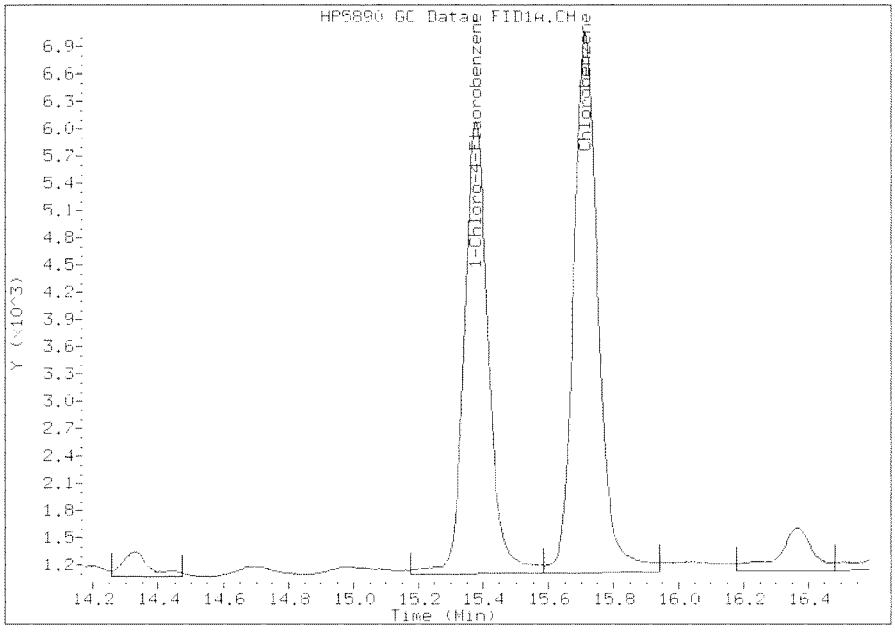
Manual Integration Results

RT: 15.38

Response: 25785

Amount: 7.68

Conc: 7.68



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 201F0701.D
Inj. Date and Time: 11-APR-2012 18:18
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

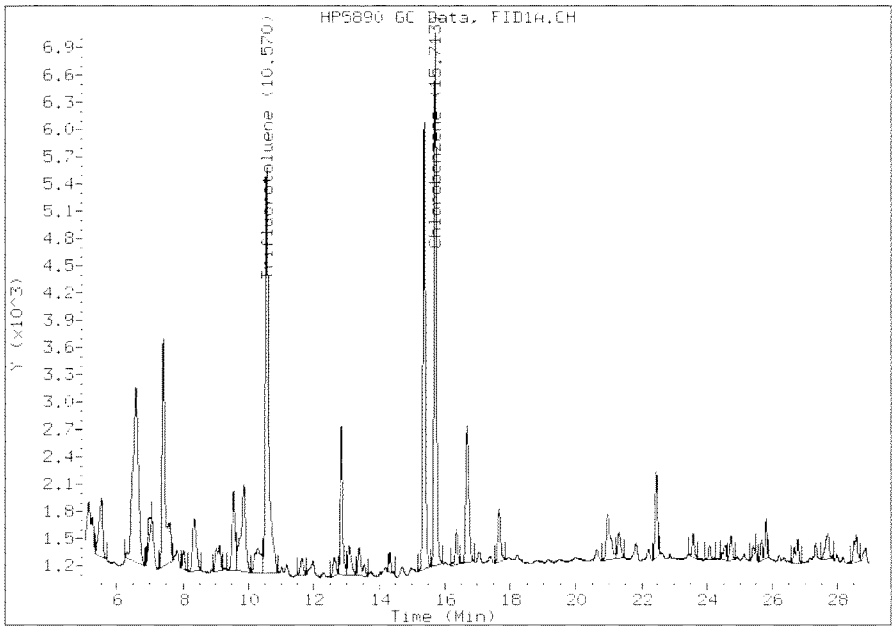
Processing Integration Results

RT: 16.98

Response: 164075

Amount: 51.64

Conc: 51.64



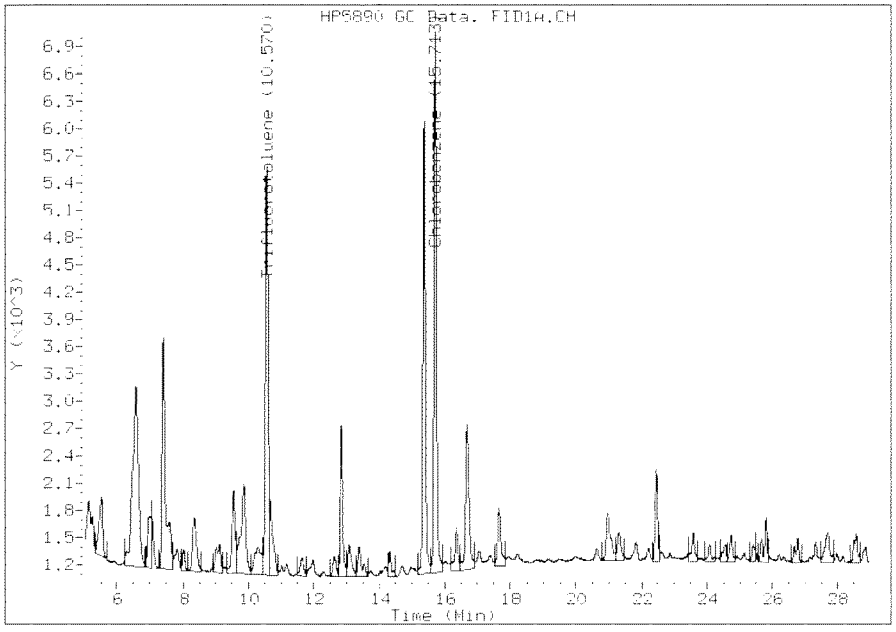
Manual Integration Results

RT: 16.98

Response: 169552

Amount: 51.39

Conc: 51.39



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 201F0701.D
Inj. Date and Time: 11-APR-2012 18:18
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

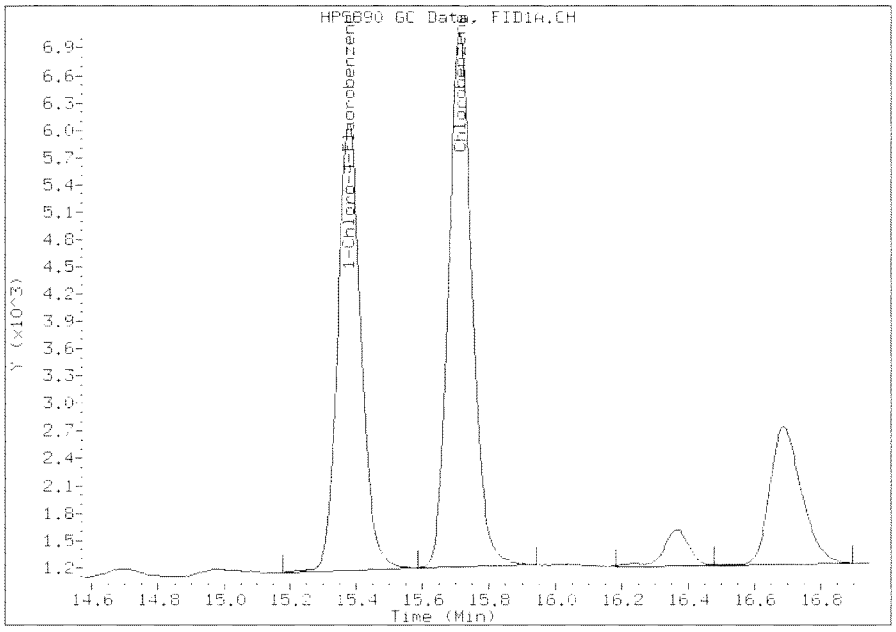
Processing Integration Results

RT: 15.71

Response: 29471

Amount: 7.35

Conc: 7.35



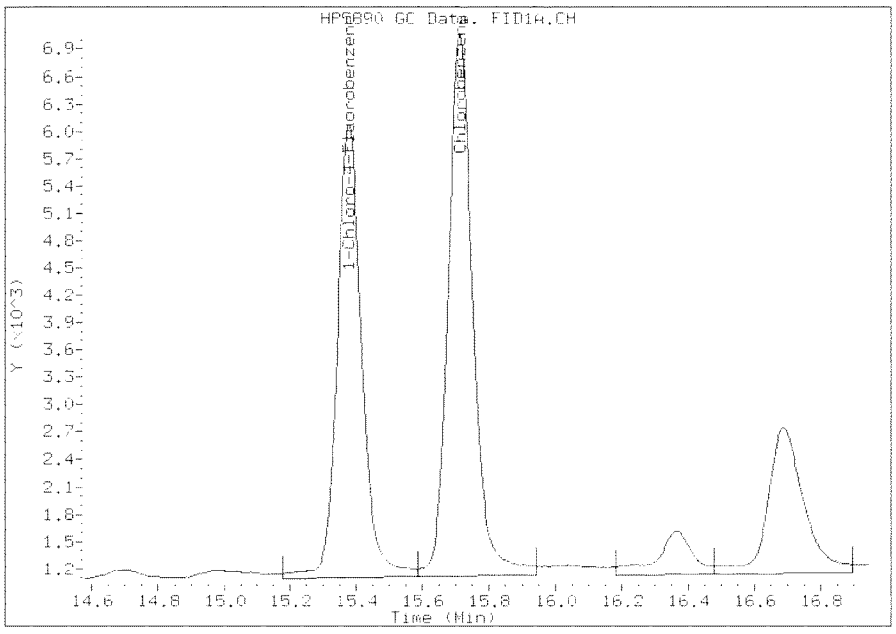
Manual Integration Results

RT: 15.71

Response: 31445

Amount: 7.71

Conc: 7.71



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 201F0701.D
Inj. Date and Time: 11-APR-2012 18:18
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

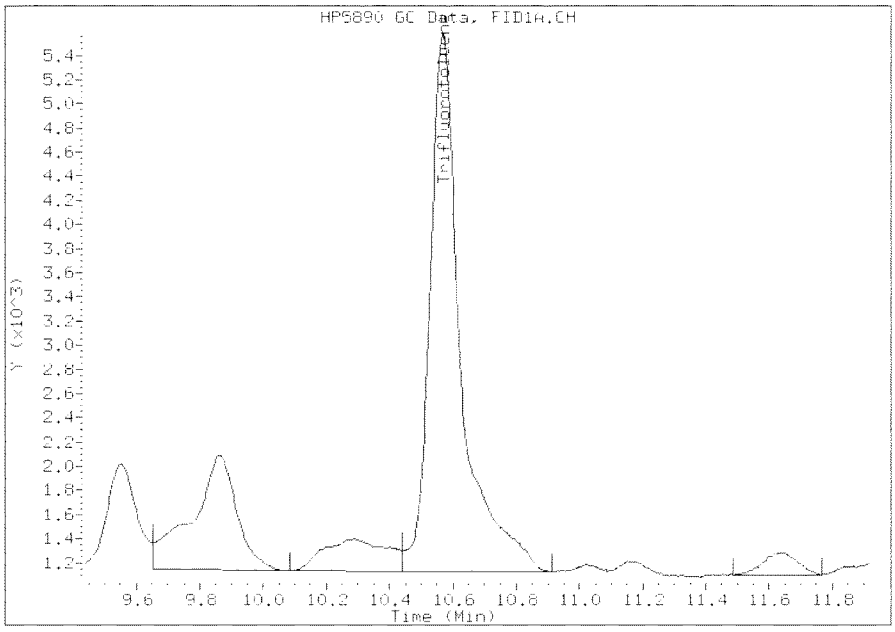
Processing Integration Results

RT: 10.57

Response: 30502

Amount: 8.61

Conc: 8.61



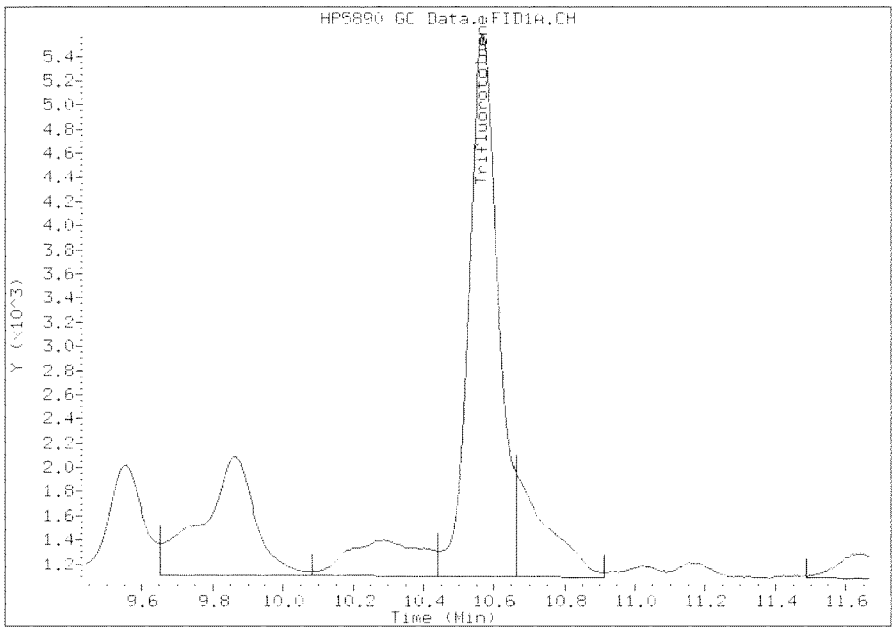
Manual Integration Results

RT: 10.57

Response: 26414

Amount: 7.07

Conc: 7.07



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 201F0701.D
Inj. Date and Time: 11-APR-2012 18:18
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

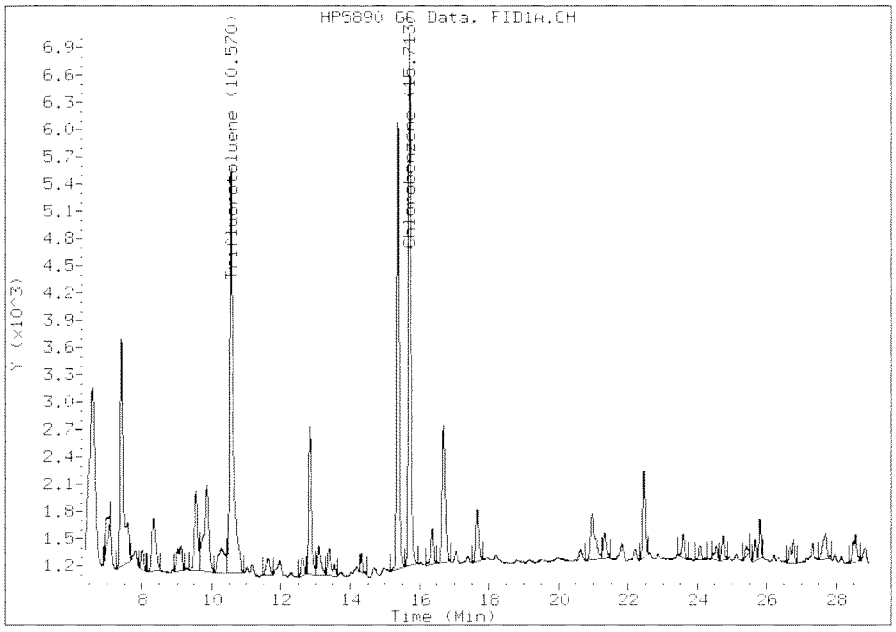
Processing Integration Results

RT: 17.65

Response: 127884

Amount: 51.73

Conc: 51.73



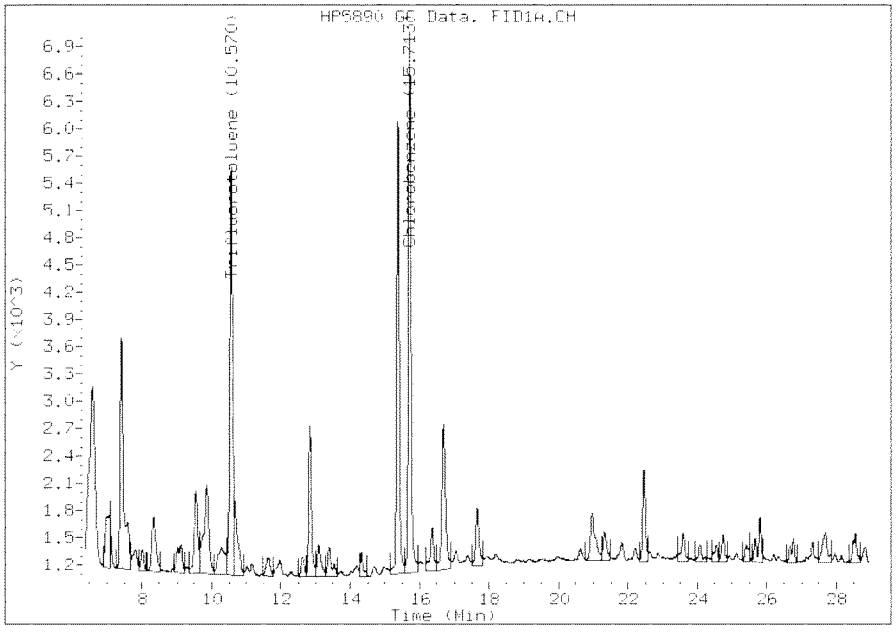
Manual Integration Results

RT: 17.65

Response: 158063

Amount: 51.37

Conc: 51.37



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 201F0701.D
Inj. Date and Time: 11-APR-2012 18:18
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

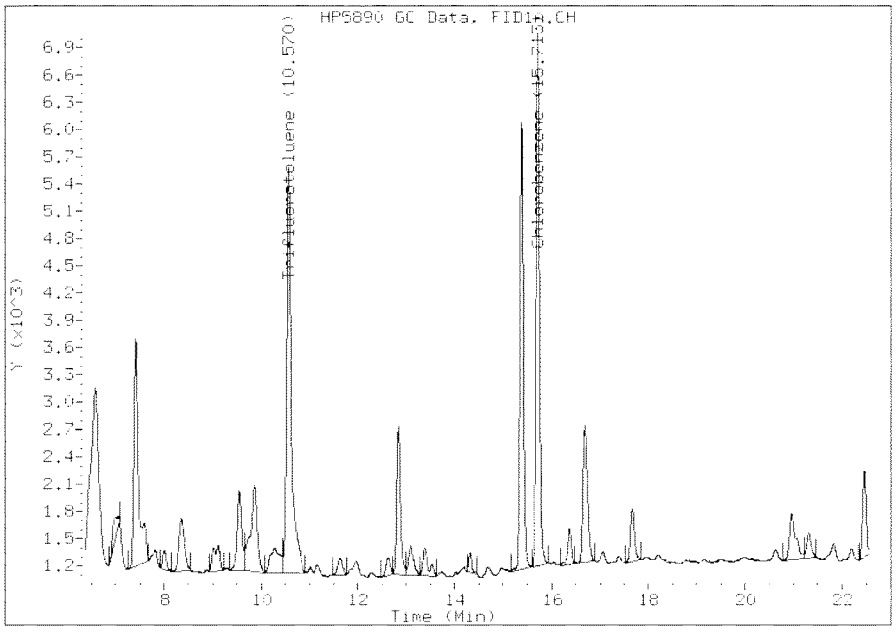
Processing Integration Results

RT: 14.46

Response: 108029

Amount: 52.08

Conc: 52.08



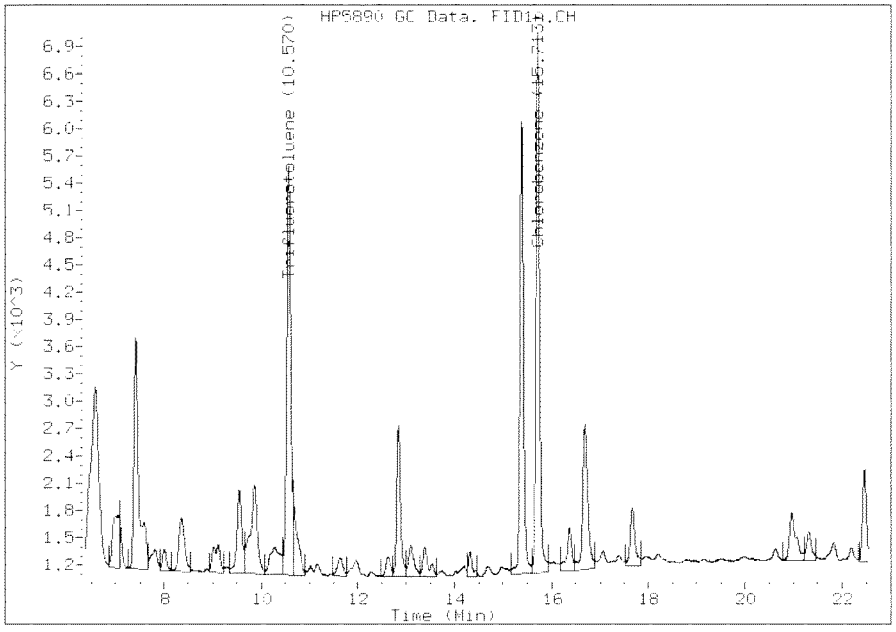
Manual Integration Results

RT: 14.46

Response: 132608

Amount: 50.42

Conc: 50.42



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\202F0801.D
Lab Smp Id: IC-1353577 L1
Inj Date : 11-APR-2012 19:01
Operator : AMB   Inst ID: GC_K.i
Smp Info : IC-1353577 L1
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 11:40 GC_K.i   Quant Type: ESTD
Cal Date : 11-APR-2012 18:18   Cal File: 201F0701.D
Als bottle: 202   Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 1 Chlorobenzene	15.700	15.720	-0.020	11390	3.00000	3.00745(aM)
S 165 Gasoline	6.483-28.823			53644	20.0000	20.0172(aM)
$ 2 Trifluorotoluene	10.560	10.573	-0.013	11578	3.00000	3.15711(aM)
S 3 GRO - C6 to C10	6.483-22.443			48989	20.0000	20.2415(aM)
S 163 C6 - C12	6.483-28.823			53644	20.0000	20.0172(aM)
S 164 C5-C12	5.143-28.823			58354	20.0000	20.1221(aM)
4 1-Chloro-4-Fluorobenzene	15.366	15.383	-0.017	9638	3.00000	3.00990(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 202F0801.D

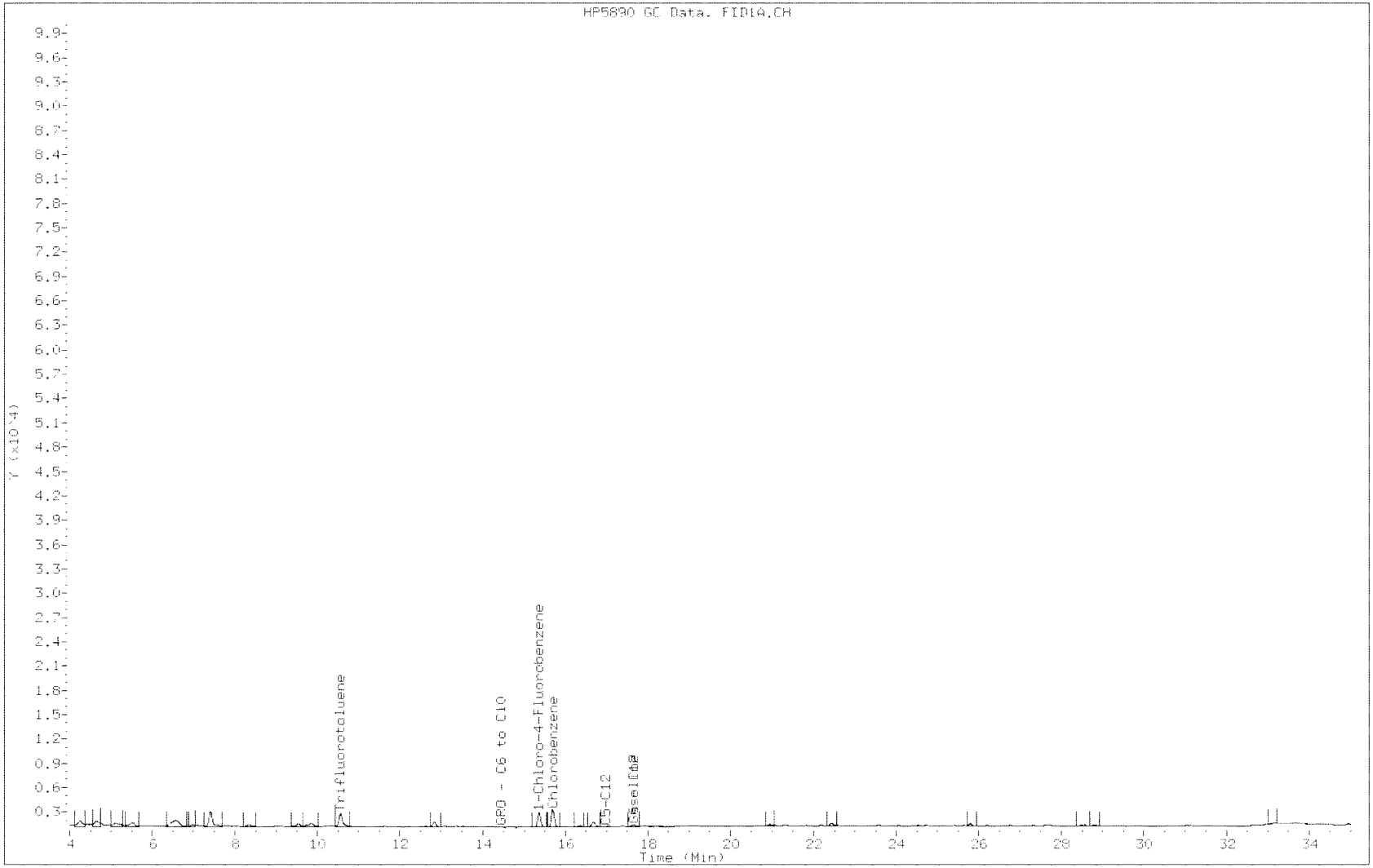
Date: 11-APR-2012 19:01

Client ID:

Instrument: GC_K.i

Sample Info: IC-1353577 L1

Operator: AMB



Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 11-APR-2012 19:01
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

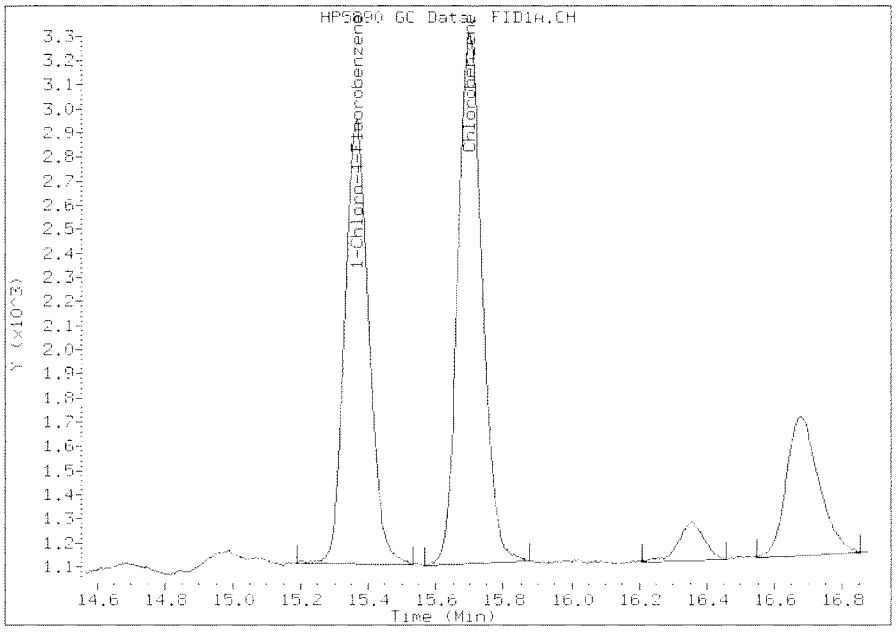
Processing Integration Results

RT: 15.70

Response: 11089

Amount: 3.01

Conc: 3.01



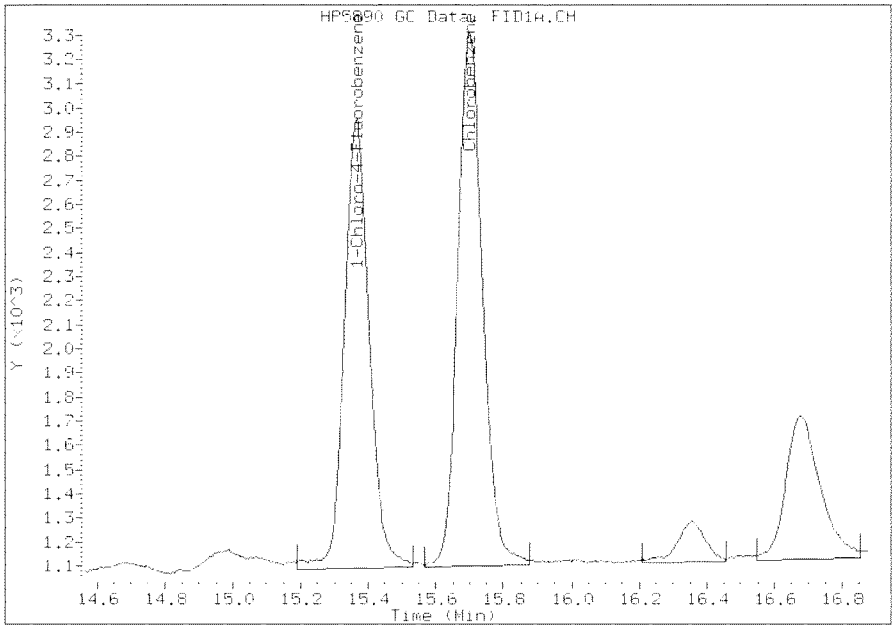
Manual Integration Results

RT: 15.70

Response: 11390

Amount: 3.01

Conc: 3.01



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 11-APR-2012 19:01
Instrument ID: GC_K.i
Client ID:
Compound: 4 1-Chloro-4-Fluorobenzene
CAS #: 352-33-0
Report Date: 04/12/2012

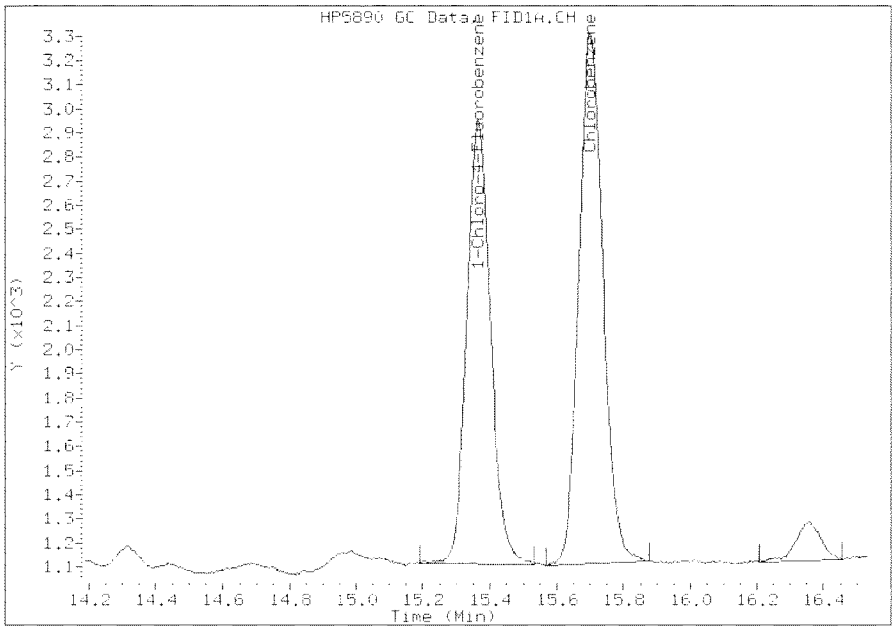
Processing Integration Results

RT: 15.37

Response: 9159

Amount: 3.00

Conc: 3.00



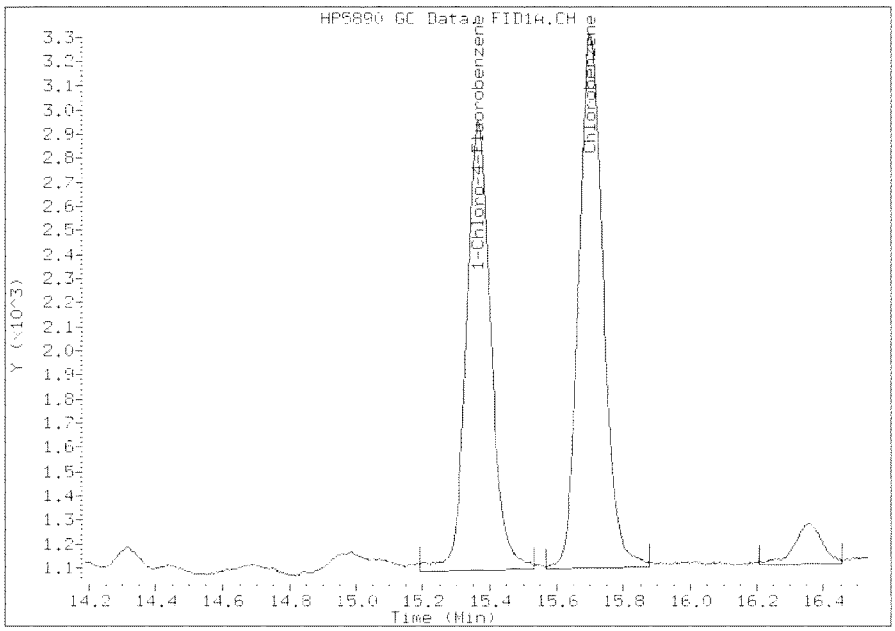
Manual Integration Results

RT: 15.37

Response: 9638

Amount: 3.01

Conc: 3.01



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 11-APR-2012 19:01
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

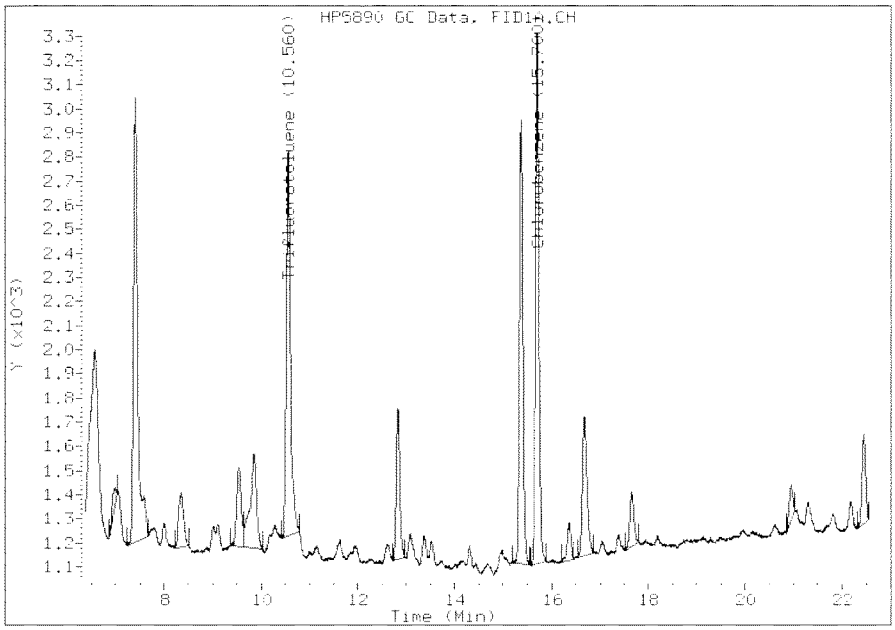
Processing Integration Results

RT: 14.46

Response: 40233

Amount: 20.06

Conc: 20.06



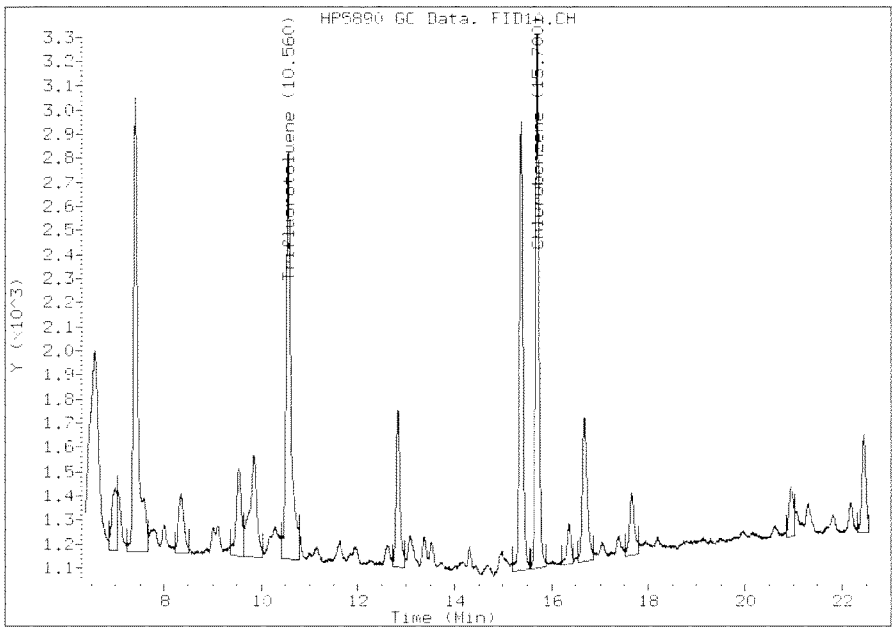
Manual Integration Results

RT: 14.46

Response: 48989

Amount: 20.24

Conc: 20.24



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 11-APR-2012 19:01
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

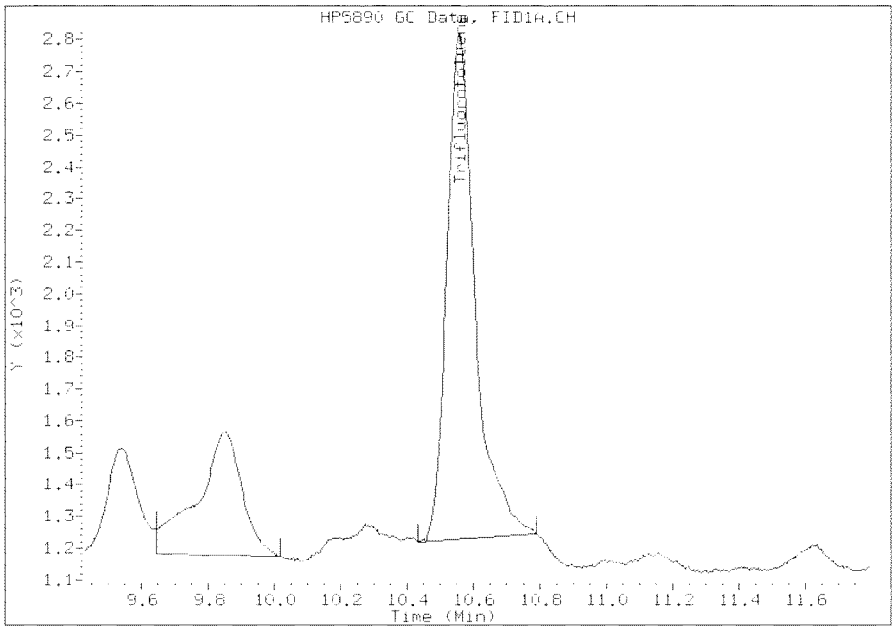
Processing Integration Results

RT: 10.56

Response: 9472

Amount: 3.03

Conc: 3.03



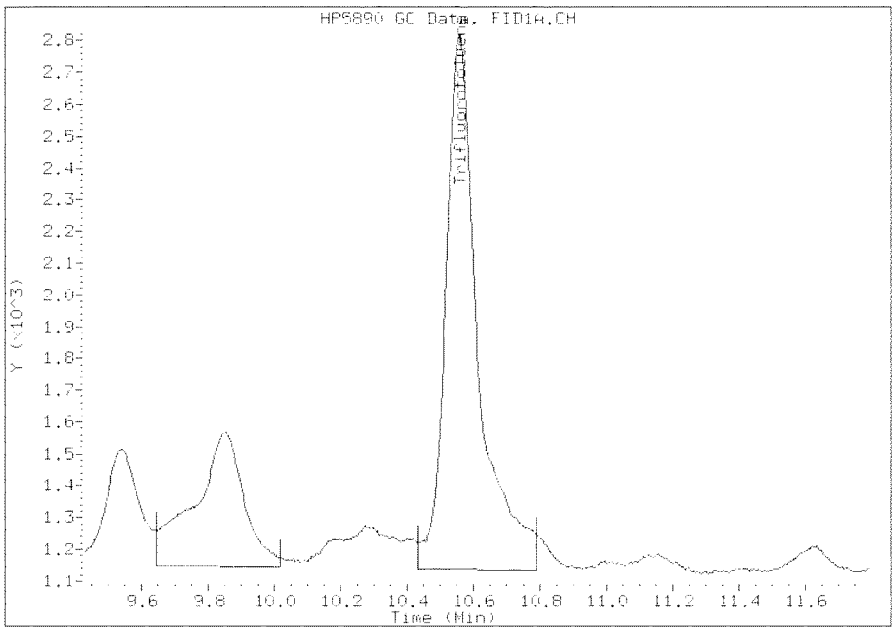
Manual Integration Results

RT: 10.56

Response: 11578

Amount: 3.16

Conc: 3.16



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 11-APR-2012 19:01
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

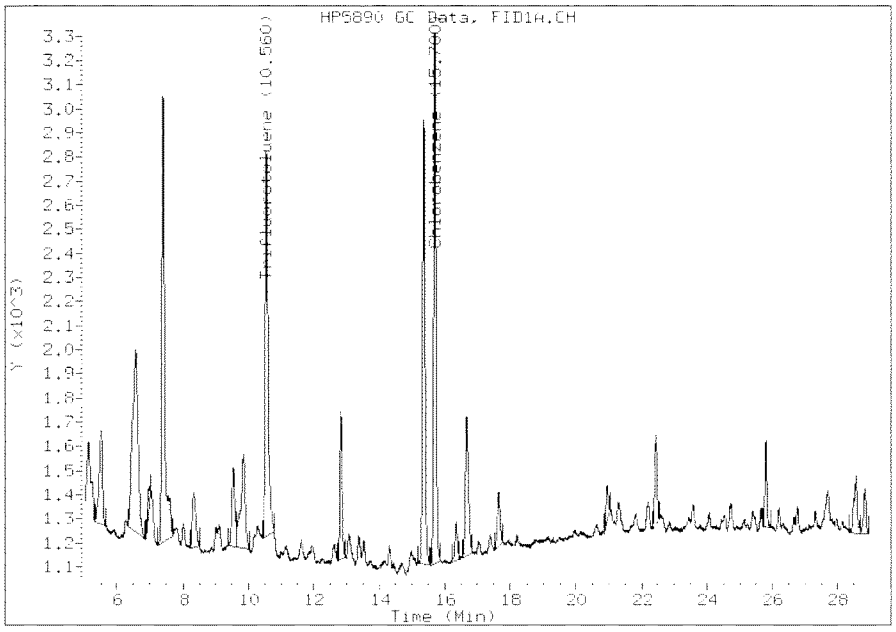
Processing Integration Results

RT: 16.98

Response: 47023

Amount: 19.94

Conc: 19.94



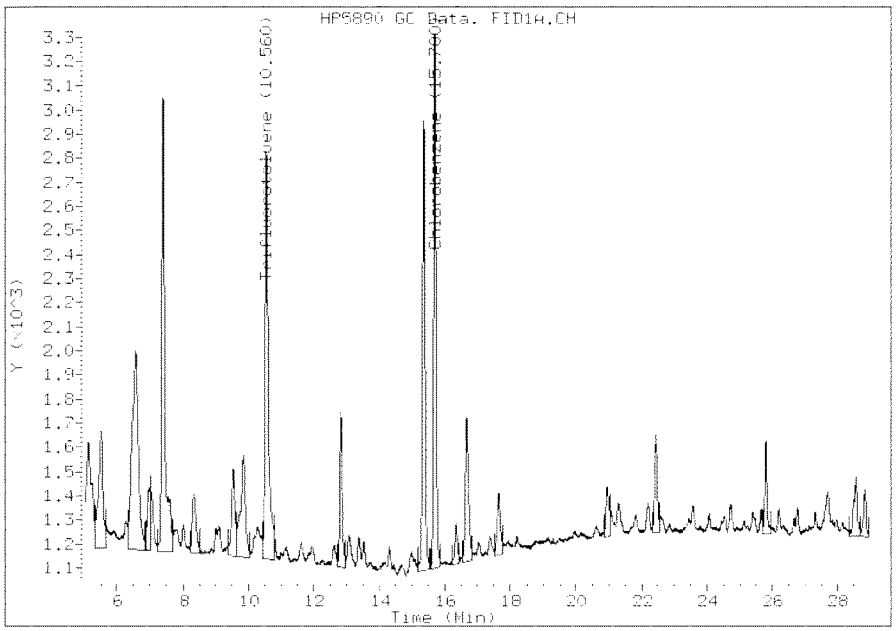
Manual Integration Results

RT: 16.98

Response: 58354

Amount: 20.12

Conc: 20.12



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 11-APR-2012 19:01
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

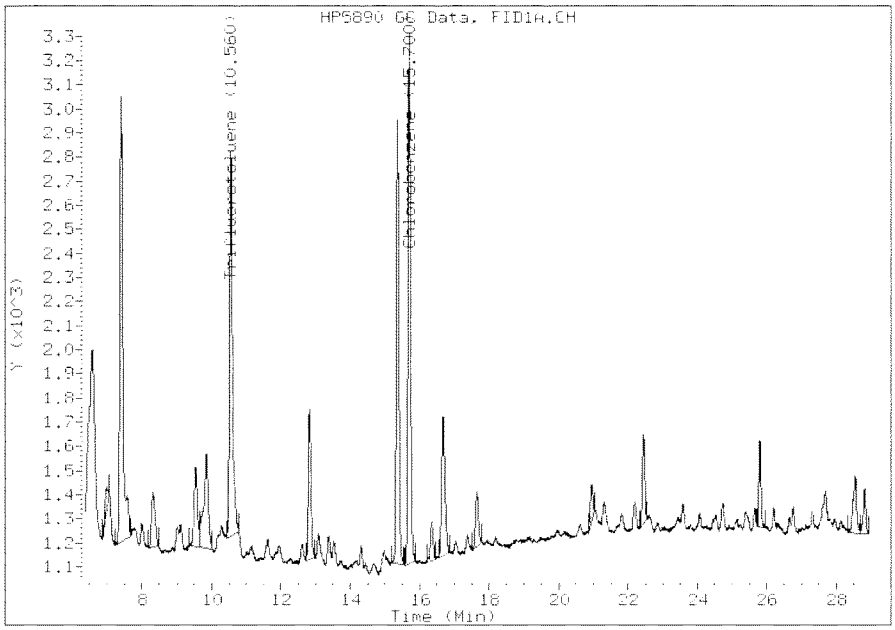
Processing Integration Results

RT: 17.65

Response: 44293

Amount: 19.89

Conc: 19.89



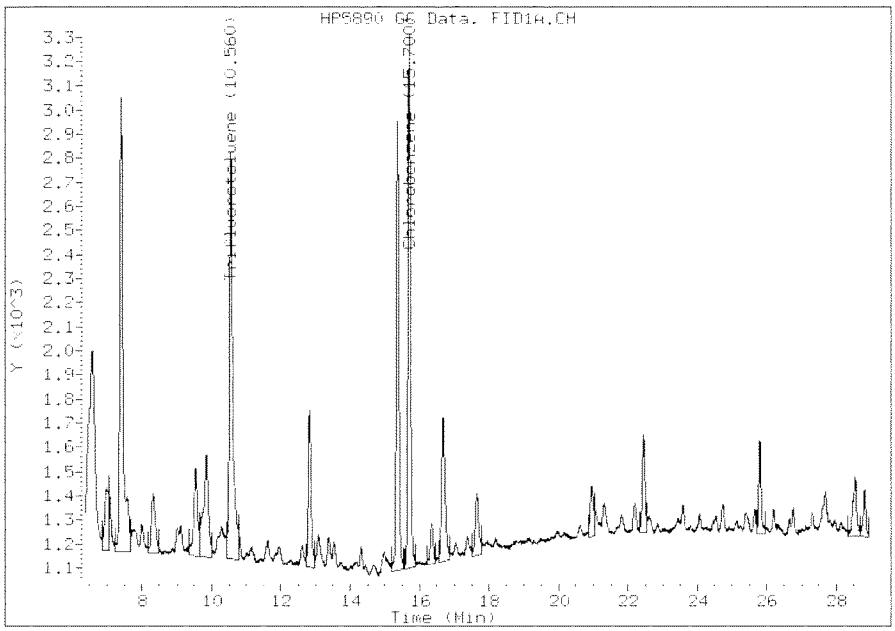
Manual Integration Results

RT: 17.65

Response: 53644

Amount: 20.02

Conc: 20.02



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-112259/9 Calibration Date: 03/14/2012 14:26

Instrument ID: GCV_B Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) Calib End Date: 03/14/2012 13:49

Lab File ID: 207F0901.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
C5-C12	Lin1	7221	7571		208	202	3.1	15.0
C6-C12	Lin2	6589	6980		202	202	0.2	15.0
Gasoline	Lin2	5647	6980		205	202	1.8	
Chlorobenzene	Lin	11346	11221		29.3	30.0	-2.3	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-112259/9 Calibration Date: 03/14/2012 14:26

Instrument ID: GCV_B Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) Calib End Date: 03/14/2012 13:49

Lab File ID: 207F0901.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
C5-C12	9.62	3.51	15.73
C6-C12	10.07	4.41	15.73
Gasoline	10.07	4.41	15.73
Chlorobenzene	11.51	11.45	11.57

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\207F0901.D
Lab Smp Id: ICV-1311515
Inj Date : 14-MAR-2012 14:26
Operator : AMB   Inst ID: GC_B.i
Smp Info : ICV-1311515
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:30 mooret   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 207
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 1 Trifluorotoluene	7.880	7.880	0.000	266059	26.8108	26.8108 (M)
S 2 GRO - C6 to C10	4.413-13.863			1290595	207.304	207.304
S 164 Gasoline	4.413-15.733			1407558	205.231	205.231 (AM)
S 3 C6 - C12	4.413-15.733			1407558	201.983	201.983 (M)
S 163 C5-C12	3.507-15.733			1526862	207.829	207.829 (M)
4 1-Chloro-4-Fluorobenzene	11.296	11.297	-0.001	254698	26.8134	26.8134 (M)
$ 5 Chlorobenzene	11.510	11.506	0.004	336638	29.3013	29.3012 (M)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 207F0901.D

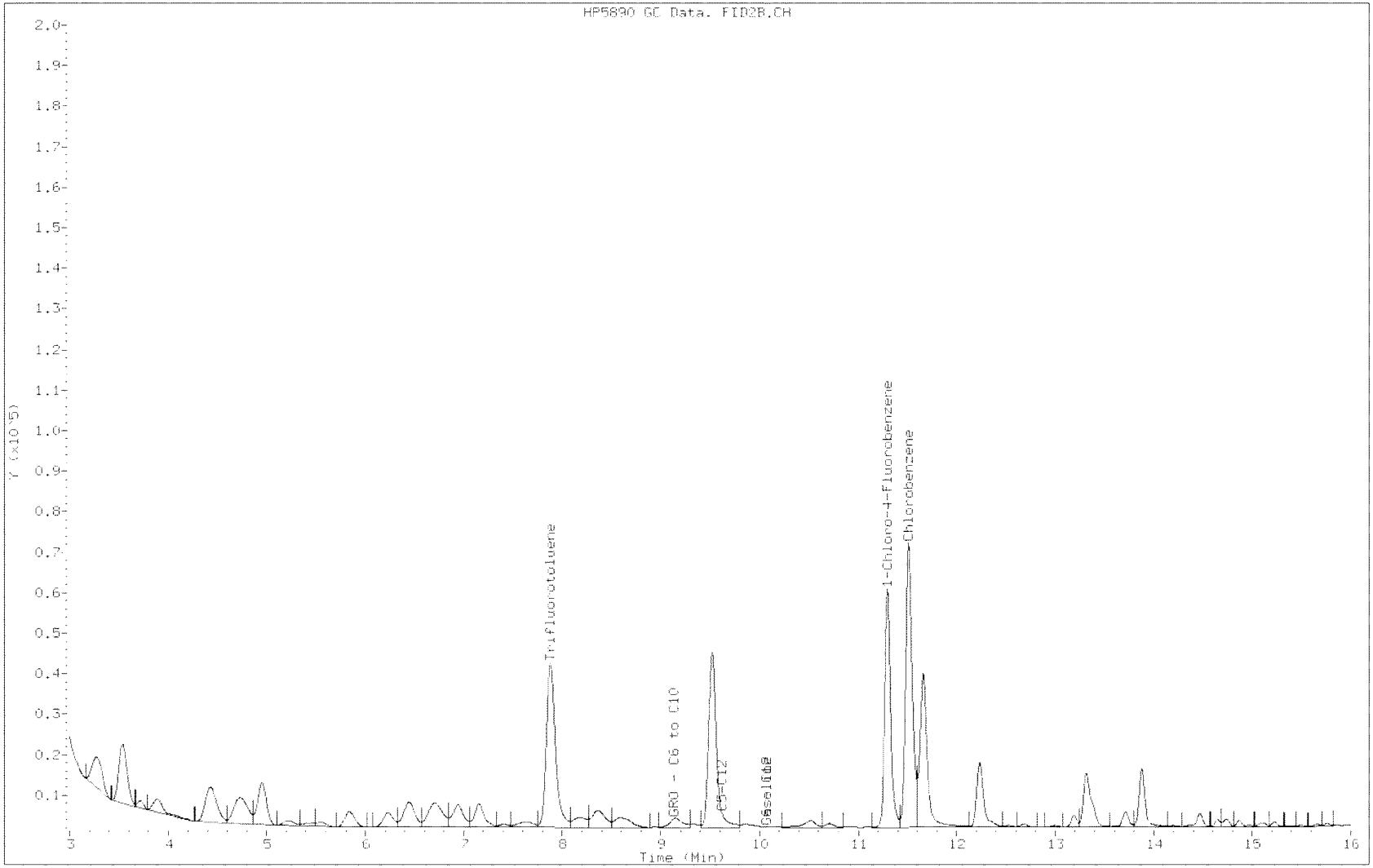
Date: 14-MAR-2012 14:26

Client ID:

Instrument: GC_B.i

Sample Info: ICV-1311515

Operator: AMB



Manual Integration Report

Data File: 207F0901.D
Inj. Date and Time: 14-MAR-2012 14:26
Instrument ID: GC_B.i
Client ID:
Compound: 164 Gasoline
CAS #: STL00228
Report Date: 03/19/2012

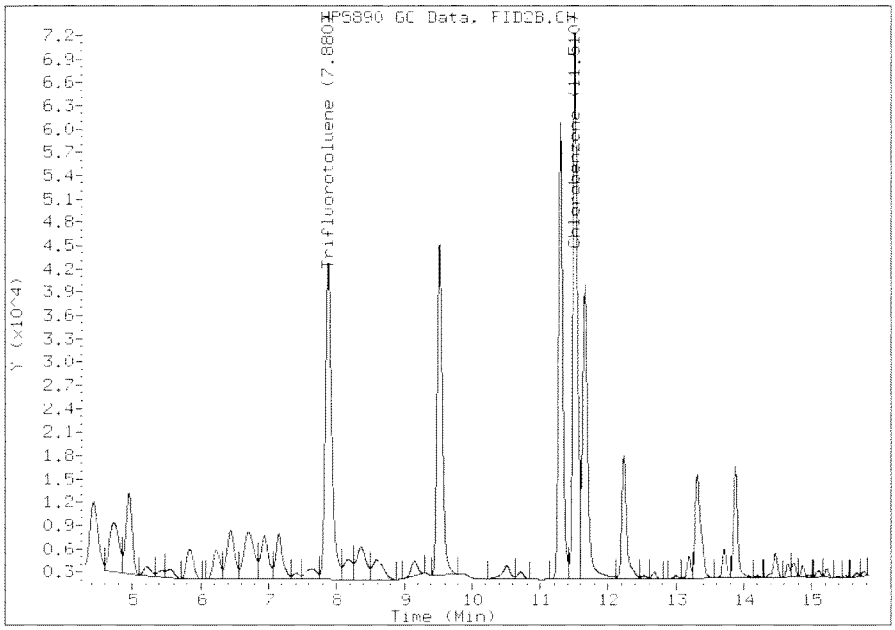
Processing Integration Results

RT: 10.07

Response: 1356745

Amount: 197.94

Conc: 197.94



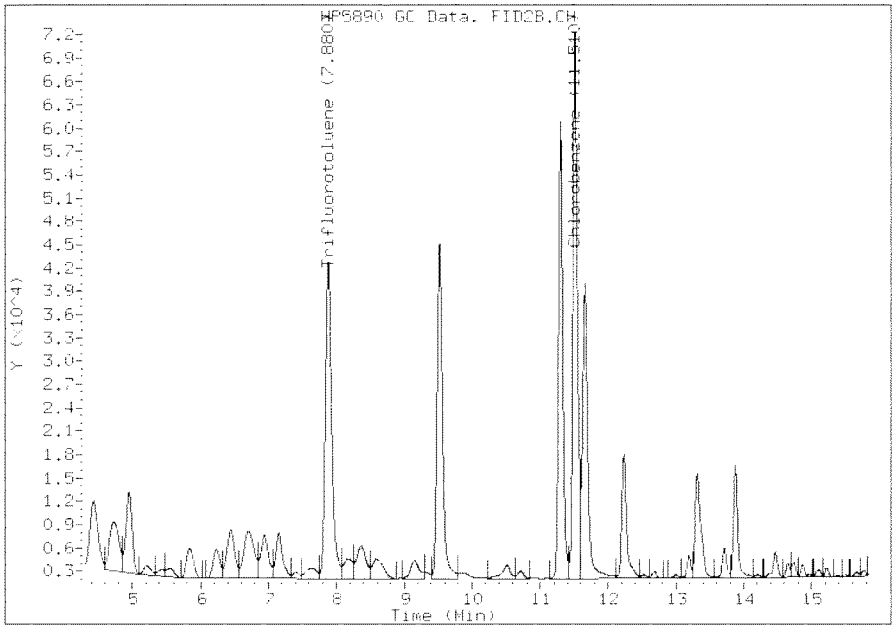
Manual Integration Results

RT: 10.07

Response: 1407558

Amount: 205.23

Conc: 205.23



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 207F0901.D
Inj. Date and Time: 14-MAR-2012 14:26
Instrument ID: GC_B.i
Client ID:
Compound: 3 C6 - C12
CAS #: STL00061
Report Date: 03/19/2012

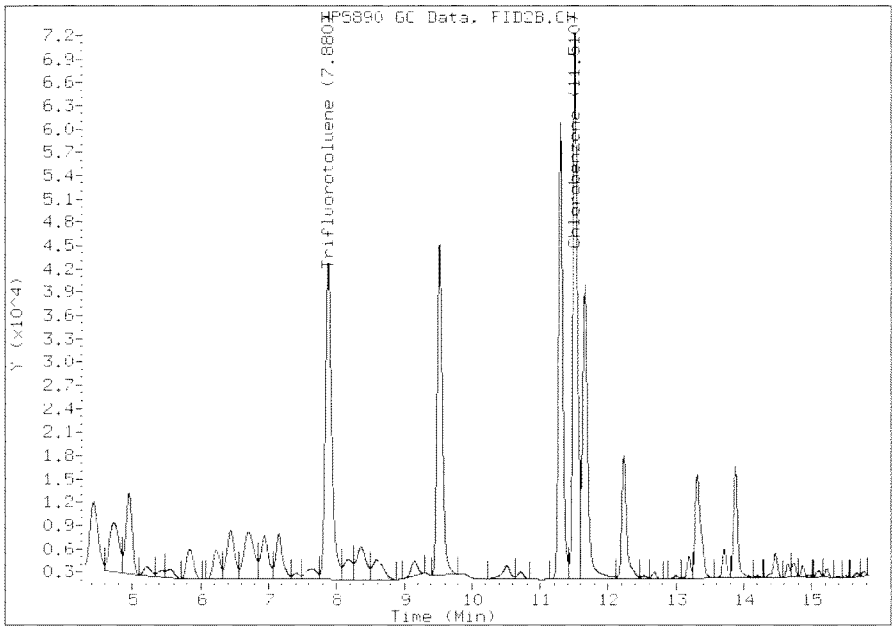
Processing Integration Results

RT: 10.07

Response: 1356745

Amount: 194.88

Conc: 194.88



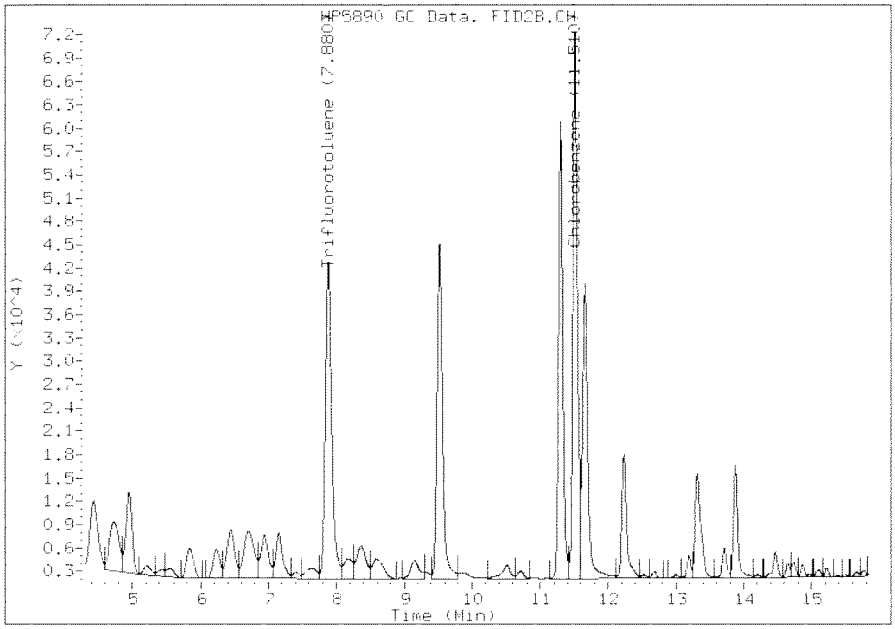
Manual Integration Results

RT: 10.07

Response: 1407558

Amount: 201.98

Conc: 201.98



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 207F0901.D
Inj. Date and Time: 14-MAR-2012 14:26
Instrument ID: GC_B.i
Client ID:
Compound: 163 C5-C12
CAS #: STL00349
Report Date: 03/19/2012

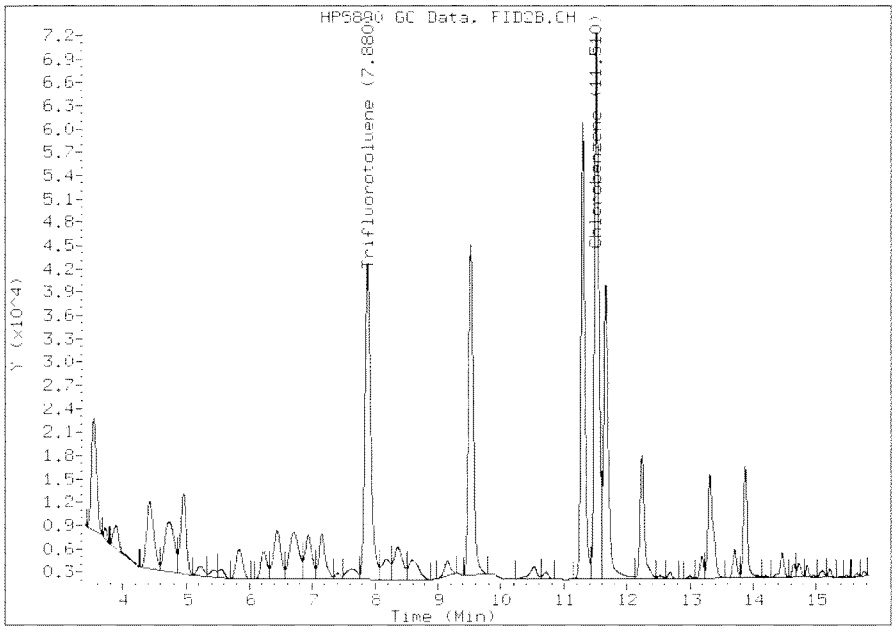
Processing Integration Results

RT: 9.62

Response: 1468102

Amount: 199.86

Conc: 199.86



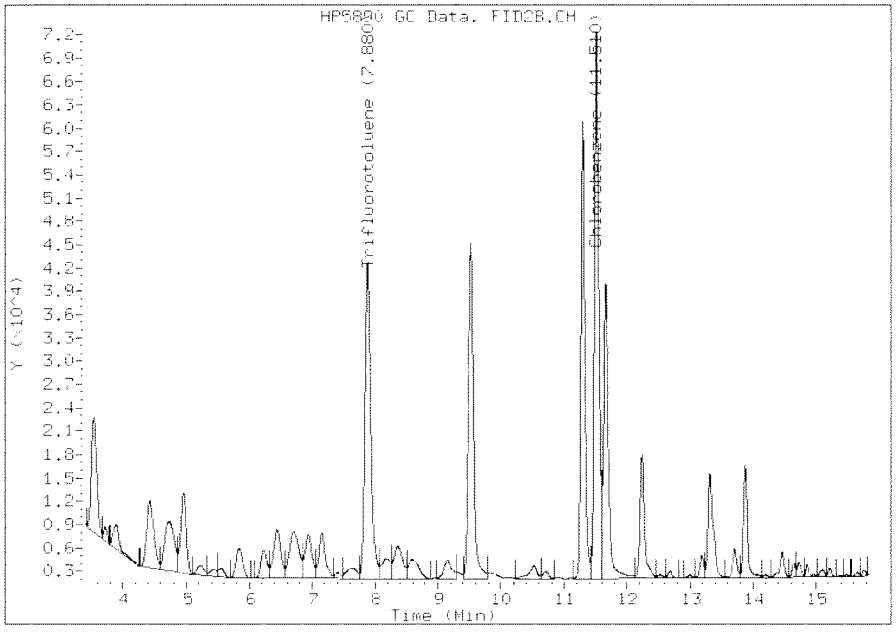
Manual Integration Results

RT: 9.62

Response: 1526862

Amount: 207.83

Conc: 207.83



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 207F0901.D
Inj. Date and Time: 14-MAR-2012 14:26
Instrument ID: GC_B.i
Client ID:
Compound: 5 Chlorobenzene
CAS #: 108-90-7
Report Date: 03/19/2012

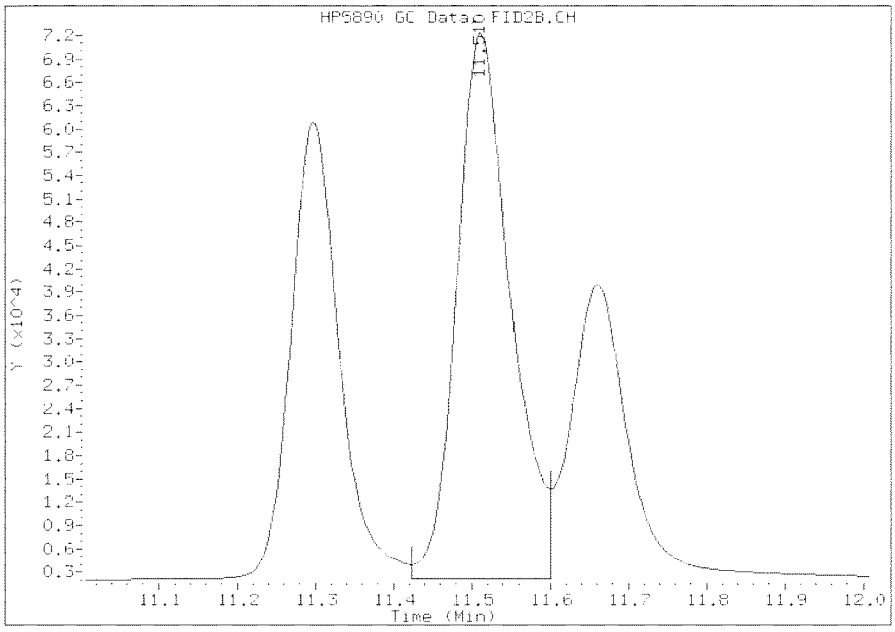
Processing Integration Results

RT: 11.51

Response: 334381

Amount: 29.11

Conc: 29.11



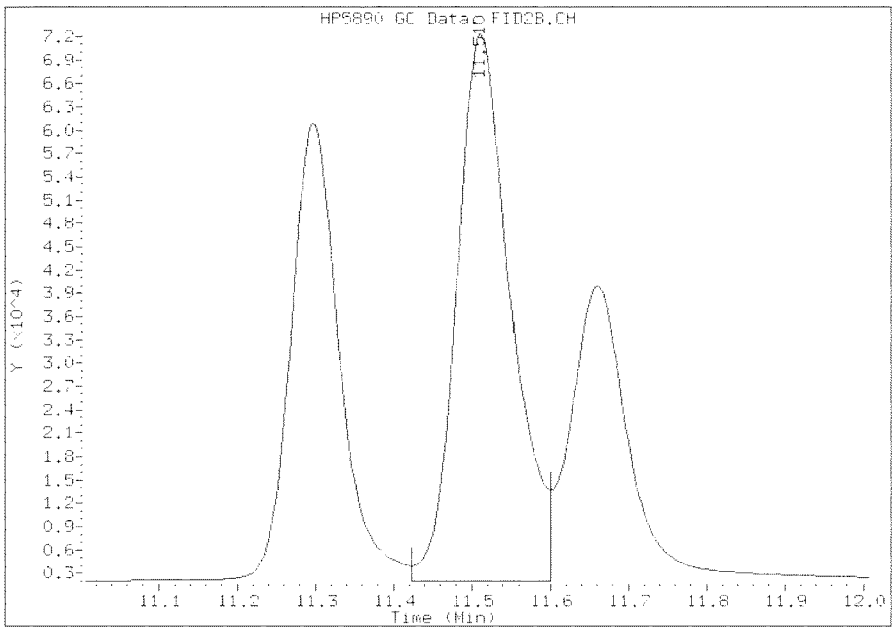
Manual Integration Results

RT: 11.51

Response: 336638

Amount: 29.30

Conc: 29.30



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:31
Manual Integration Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-112259/9 Calibration Date: 03/14/2012 14:26

Instrument ID: GCV_B Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) Calib End Date: 03/14/2012 09:46

Lab File ID: 207F0901.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
Gasoline Range Organics (GRO)-C6-C10	Lin2	5958	6400		207	202	2.8	15.0
a,a,a-Trifluorotoluene	Lin2	9797	8869		26.8	30.0	-10.6	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-112259/9 | Calibration Date: 03/14/2012 14:26

Instrument ID: GCV_B | Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) | Calib End Date: 03/14/2012 09:46

Lab File ID: 207F0901.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (GRO)-C6-C10	9.14	4.41	13.86
a,a,a-Trifluorotoluene	7.88	7.82	7.94

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\207F0901.D
Lab Smp Id: ICV-1311515
Inj Date : 14-MAR-2012 14:26
Operator : AMB   Inst ID: GC_B.i
Smp Info : ICV-1311515
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0314121.B\8015.m
Meth Date : 19-Mar-2012 11:30 mooret   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 207
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC369

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
$	1 Trifluorotoluene	7.880	7.880	0.000	266059	26.8108	26.8108 (M)
S	2 GRO - C6 to C10	4.413	-13.863		1290595	207.304	207.304
S	164 Gasoline	4.413	-15.733		1407558	205.231	205.231 (AM)
S	3 C6 - C12	4.413	-15.733		1407558	201.983	201.983 (M)
S	163 C5-C12	3.507	-15.733		1526862	207.829	207.829 (M)
	4 1-Chloro-4-Fluorobenzene	11.296	11.297	-0.001	254698	26.8134	26.8134 (M)
$	5 Chlorobenzene	11.510	11.506	0.004	336638	29.3013	29.3012 (M)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: 207F0901.D

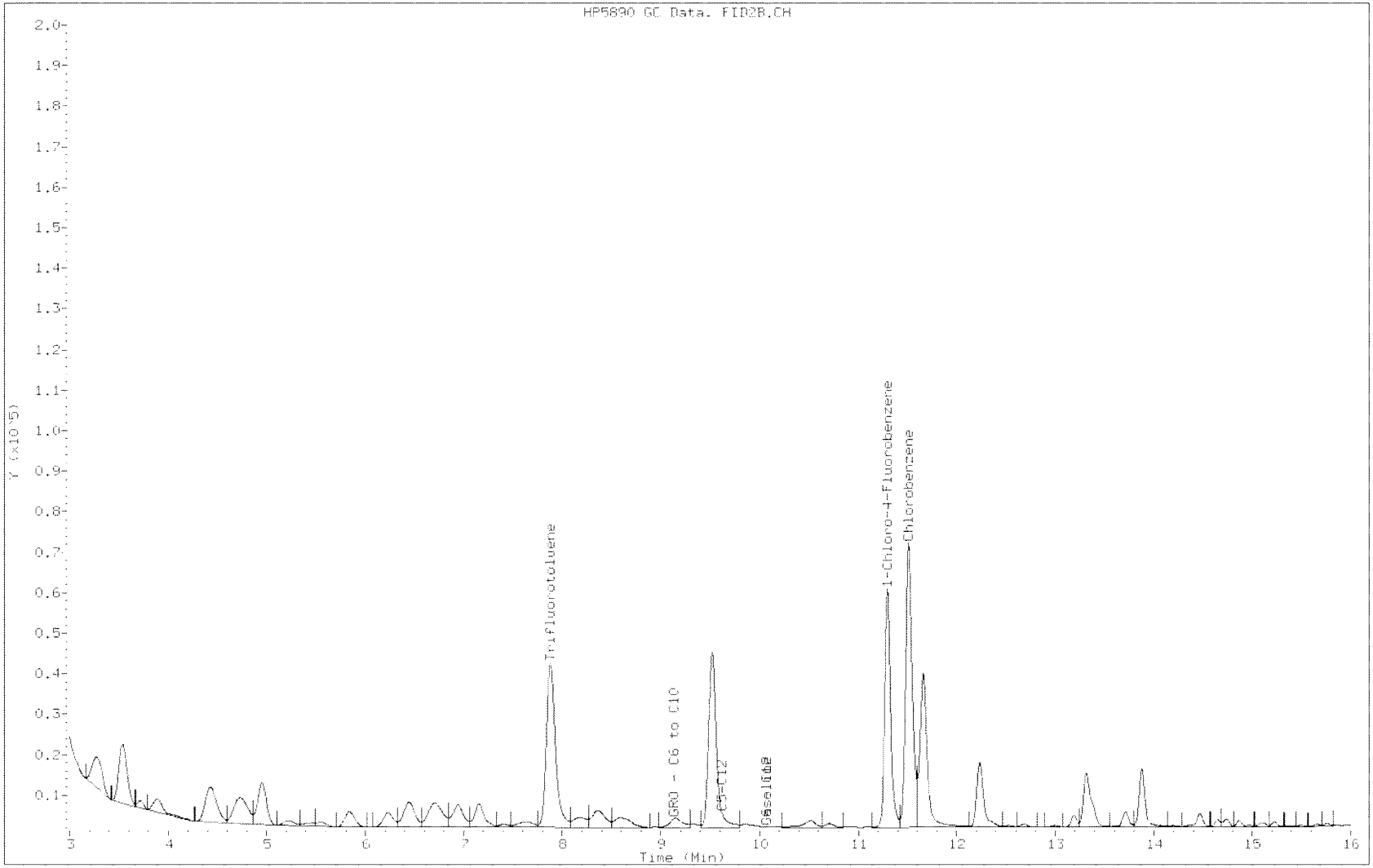
Date: 14-MAR-2012 14:26

Client ID:

Instrument: GC_B.i

Sample Info: ICV-1311515

Operator: AMB



Manual Integration Report

Data File: 207F0901.D
Inj. Date and Time: 14-MAR-2012 14:26
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 03/19/2012

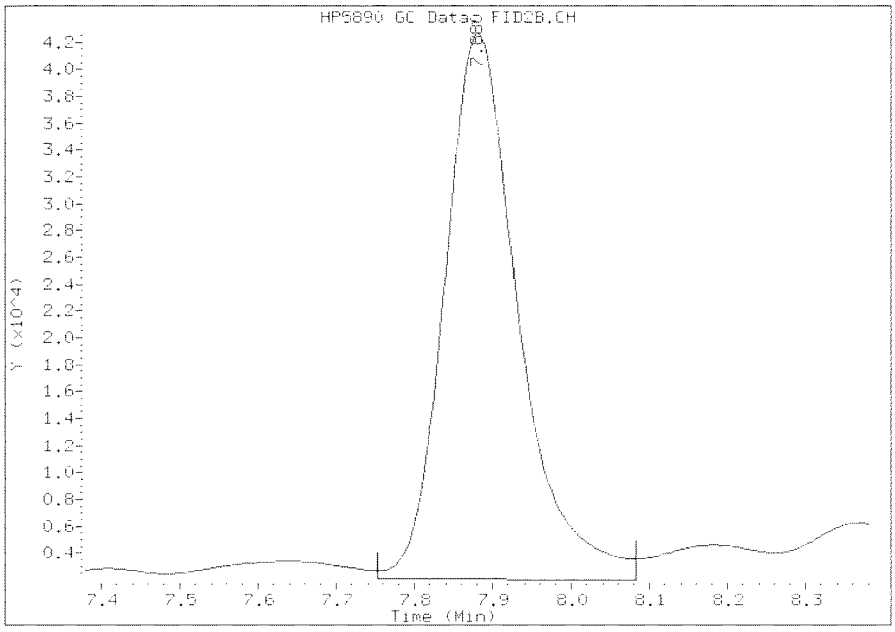
Processing Integration Results

RT: 7.88

Response: 265624

Amount: 26.77

Conc: 26.77



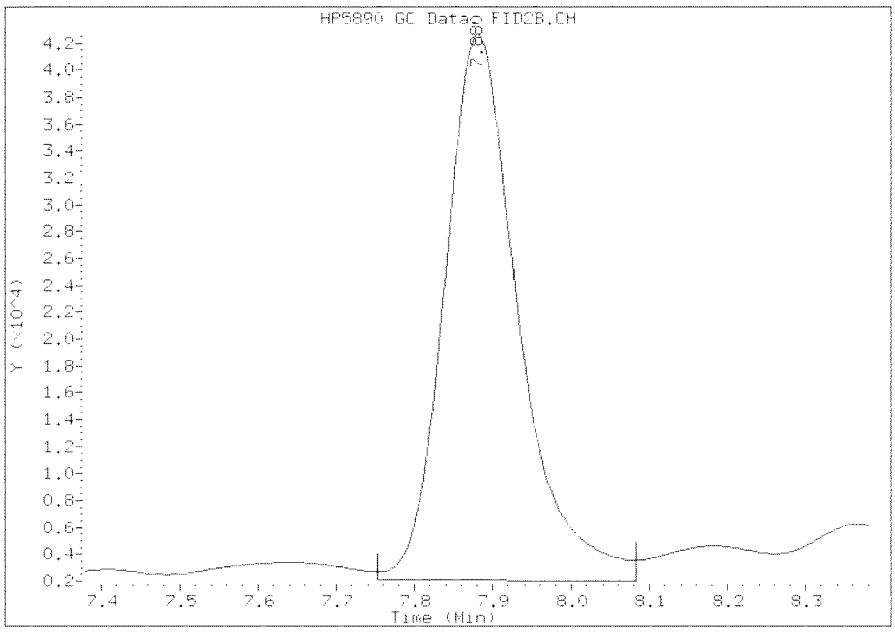
Manual Integration Results

RT: 7.88

Response: 266059

Amount: 26.81

Conc: 26.81



Manually Integrated By: mooret
Modification Date: 19-Mar-2012 11:31
Manual Integration Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117506/2 Calibration Date: 04/27/2012 10:22

Instrument ID: GCV_B Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) Calib End Date: 03/14/2012 09:46

Lab File ID: 112F0201.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
Gasoline Range Organics (GRO)-C6-C10	Lin2	5958	6658		214	200	6.9	15.0
a,a,a-Trifluorotoluene	Lin2	9797	9384		28.4	30.0	-5.5	15.0
Chlorobenzene	Lin2	11349	11876		31.0	30.0	3.3	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117506/2 Calibration Date: 04/27/2012 10:22

Instrument ID: GCV_B Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) Calib End Date: 03/14/2012 09:46

Lab File ID: 112F0201.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (GRO)-C6-C10	9.13	4.41	13.84
a,a,a-Trifluorotoluene	7.85	7.79	7.91
Chlorobenzene	11.47	11.41	11.53

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\112F0201.D
Lab Smp Id: CCVRT-1371775
Inj Date : 27-APR-2012 10:22
Operator : AMB   Inst ID: GC_B.i
Smp Info : CCVRT-1371775
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 112   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
$	1 Trifluorotoluene	7.850	7.850	0.000	281525	30.0000	28.3587(M)
S	2 GRO - C6 to C10	4.413-13.840			1331694	200.000	213.779(M)
	4 1-Chloro-4-Fluorobenzene	11.260	11.260	0.000	287751	30.0000	30.2789(M)
$	5 Chlorobenzene	11.470	11.470	0.000	356279	30.0000	31.0032(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 112F0201.D

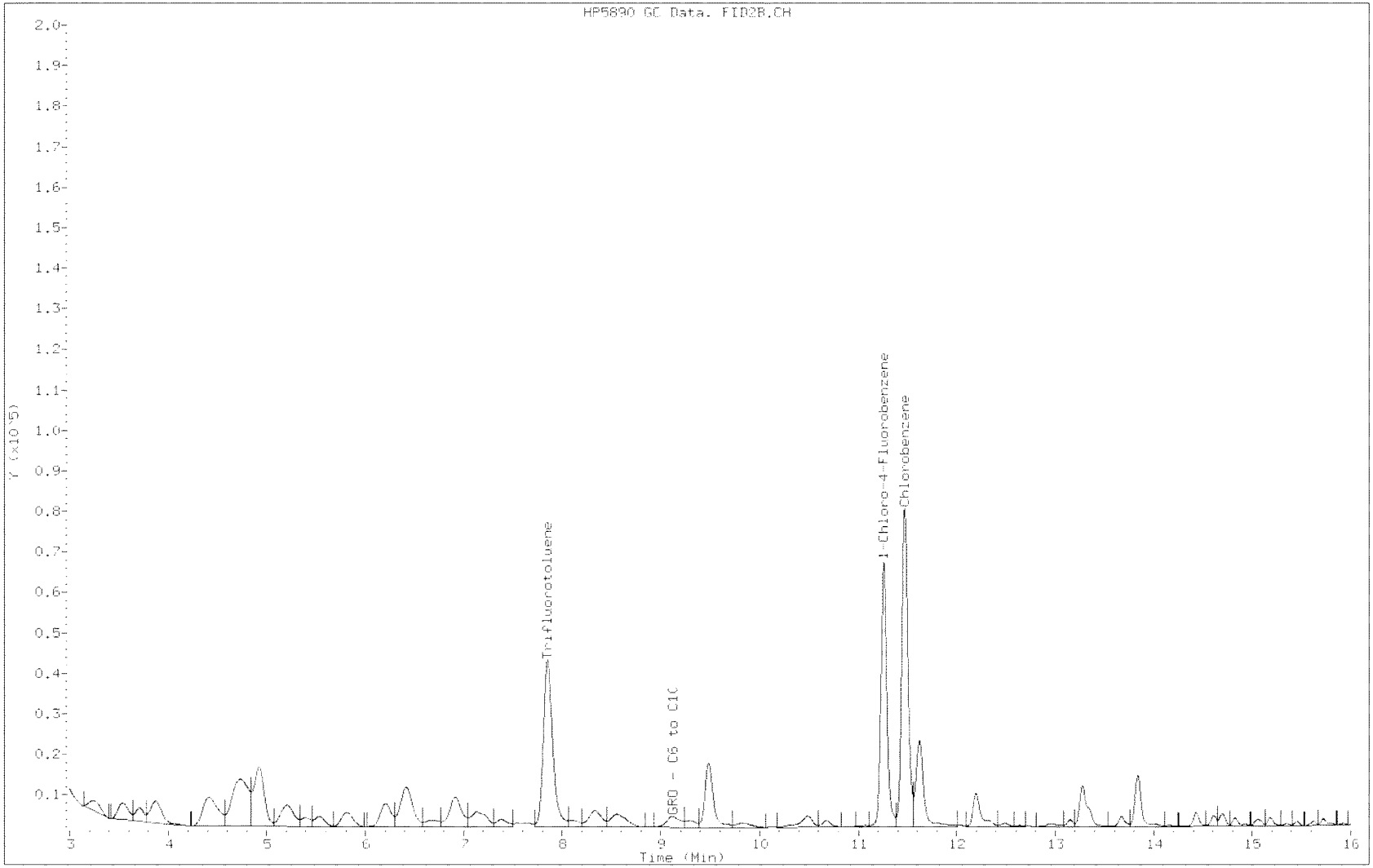
Date: 27-APR-2012 10:22

Client ID:

Instrument: GC_B.i

Sample Info: CCVRT-1371775

Operator: AMB



Manual Integration Report

Data File: 112F0201.D
Inj. Date and Time: 27-APR-2012 10:22
Instrument ID: GC_B.i
Client ID:
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

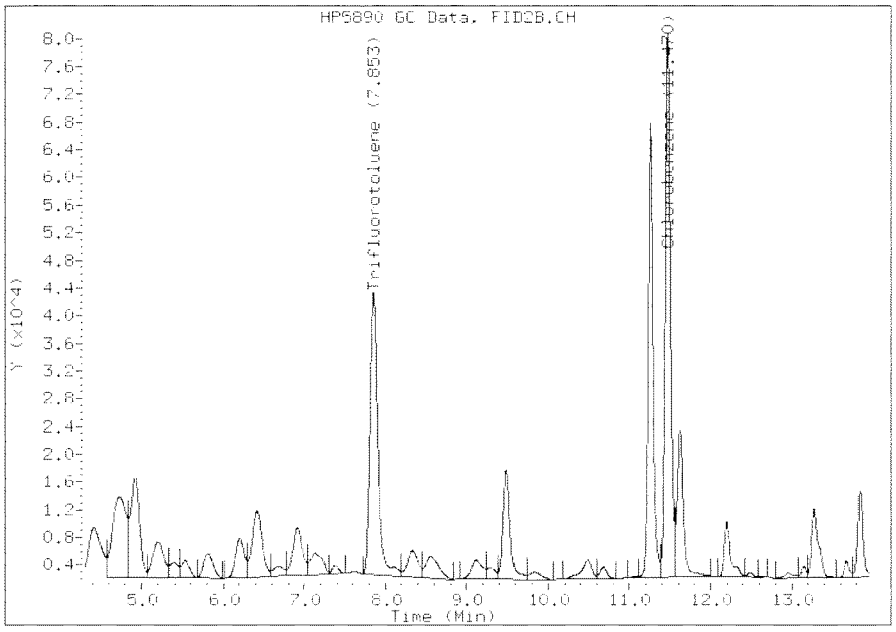
Processing Integration Results

RT: 9.13

Response: 1222026

Amount: 196.50

Conc: 196.50



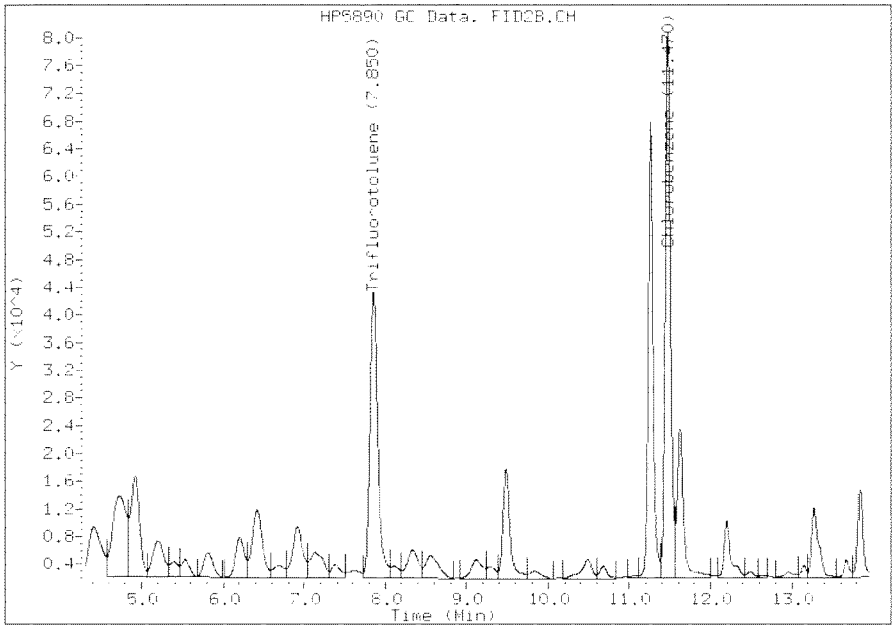
Manual Integration Results

RT: 9.13

Response: 1331694

Amount: 213.78

Conc: 213.78



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 112F0201.D
Inj. Date and Time: 27-APR-2012 10:22
Instrument ID: GC_B.i
Client ID:
Compound: 5 Chlorobenzene
CAS #: 108-90-7
Report Date: 04/30/2012

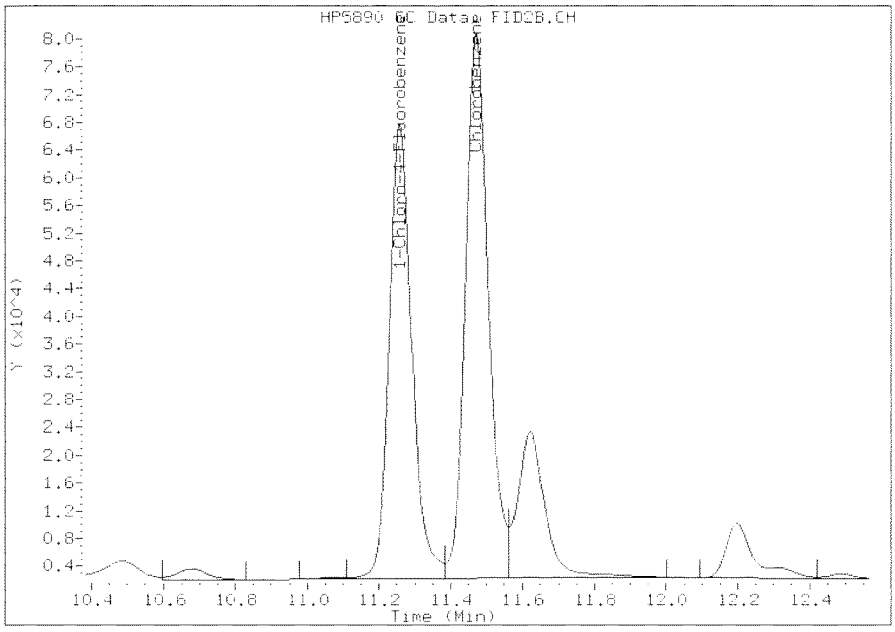
Processing Integration Results

RT: 11.47

Response: 351826

Amount: 30.62

Conc: 30.62



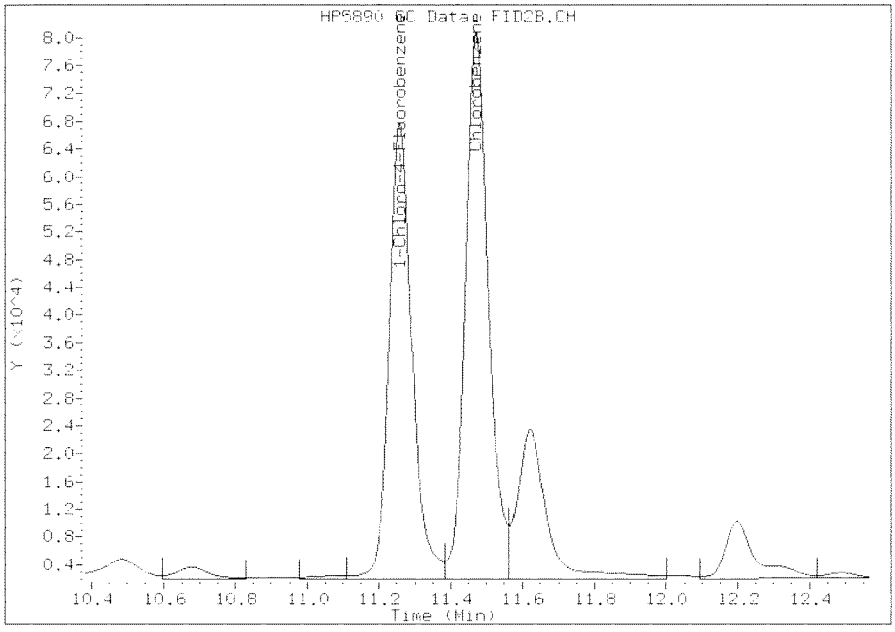
Manual Integration Results

RT: 11.47

Response: 356279

Amount: 31.00

Conc: 31.00



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 112F0201.D
Inj. Date and Time: 27-APR-2012 10:22
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/30/2012

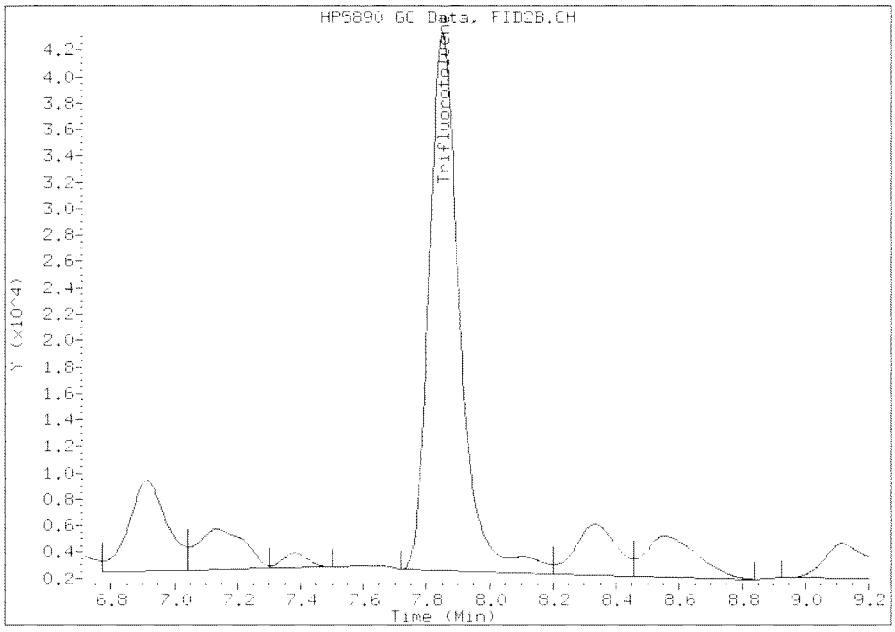
Processing Integration Results

RT: 7.85

Response: 277595

Amount: 27.97

Conc: 27.97



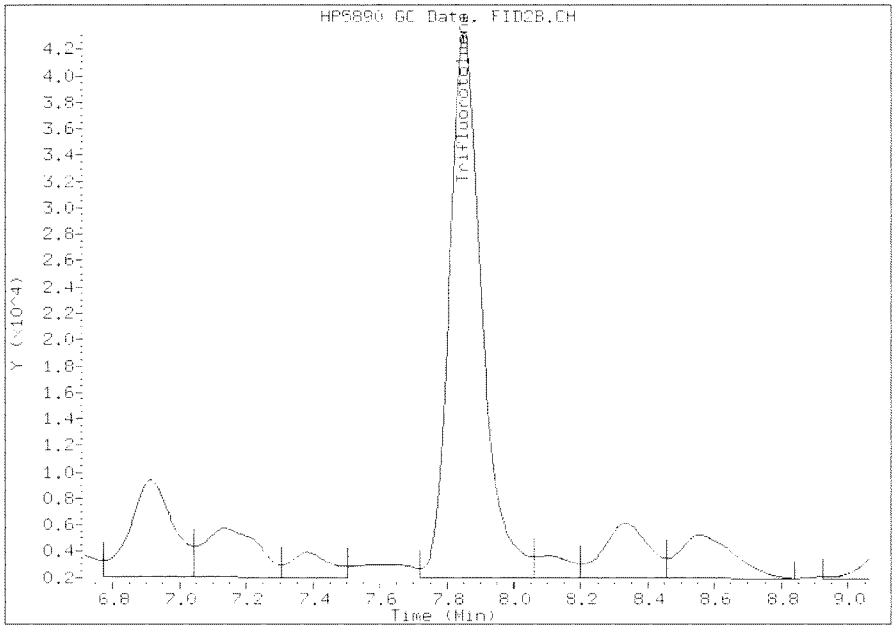
Manual Integration Results

RT: 7.85

Response: 281525

Amount: 28.36

Conc: 28.36



Manually Integrated By: byla
Manual Integration Reason: Split Peak

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117506/10 Calibration Date: 04/27/2012 17:20

Instrument ID: GCV_B Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) Calib End Date: 03/14/2012 09:46

Lab File ID: 204F1001.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
Gasoline Range Organics (GRO)-C6-C10	Lin2	5958	6458		207	200	3.7	15.0
a,a,a-Trifluorotoluene	Lin2	9797	9387		28.4	30.0	-5.4	15.0
Chlorobenzene	Lin2	11349	11572		30.2	30.0	0.7	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117506/10 | Calibration Date: 04/27/2012 17:20

Instrument ID: GCV_B | Calib Start Date: 03/14/2012 09:46

GC Column: RTX 502.2 (105) ID: 0.53(mm) | Calib End Date: 03/14/2012 09:46

Lab File ID: 204F1001.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (GRO)-C6-C10	9.13	4.41	13.84
a,a,a-Trifluorotoluene	7.86	7.79	7.91
Chlorobenzene	11.48	11.41	11.53

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\204F1001.D
Lab Smp Id: CCV-1371775
Inj Date : 27-APR-2012 17:20
Operator : AMB   Inst ID: GC_B.i
Smp Info : CCV-1371775
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 204
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	1 Trifluorotoluene	7.856	7.850	0.006	281601	28.3664	28.3664(M)
S	2 GRO - C6 to C10	4.413-13.840			1291696	207.477	207.477(M)
	4 1-Chloro-4-Fluorobenzene	11.263	11.260	0.003	279962	29.4623	29.4622(M)
$	5 Chlorobenzene	11.476	11.470	0.006	347152	30.2123	30.2123(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 204F1001.D

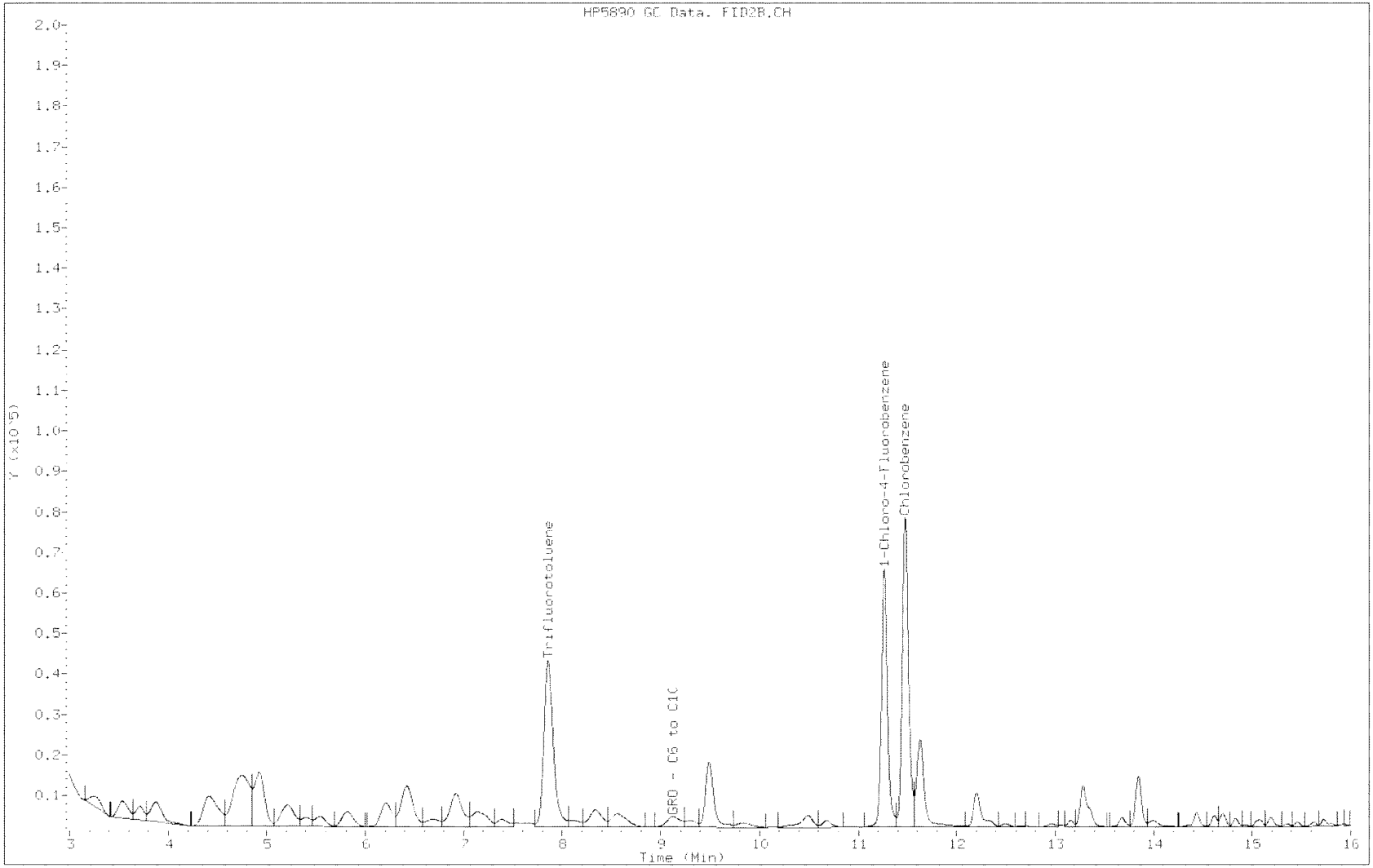
Date: 27-APR-2012 17:20

Client ID:

Instrument: GC_B.i

Sample Info: CCV-1371775

Operator: AMB



Manual Integration Report

Data File: 204F1001.D
Inj. Date and Time: 27-APR-2012 17:20
Instrument ID: GC_B.i
Client ID:
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

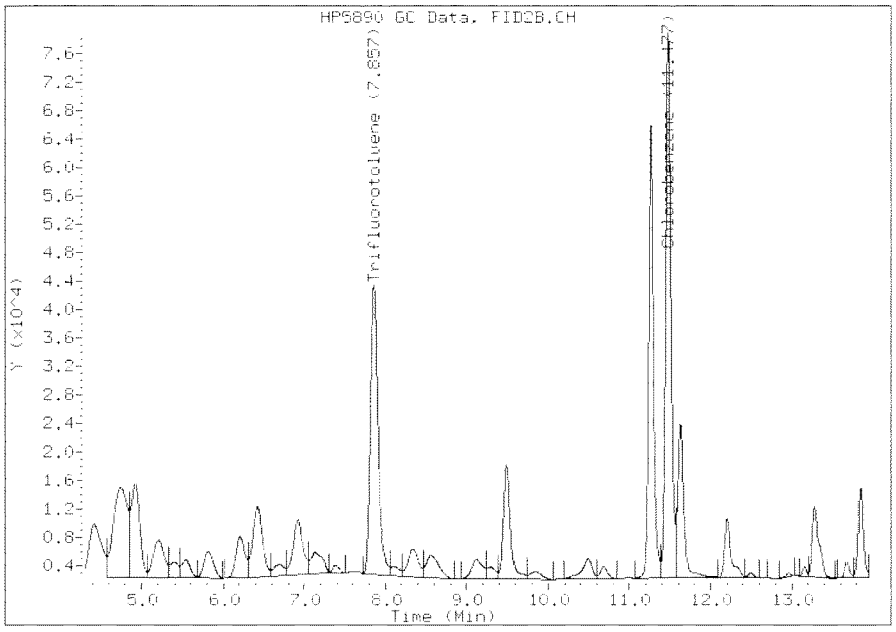
Processing Integration Results

RT: 9.13

Response: 1193607

Amount: 192.02

Conc: 192.02



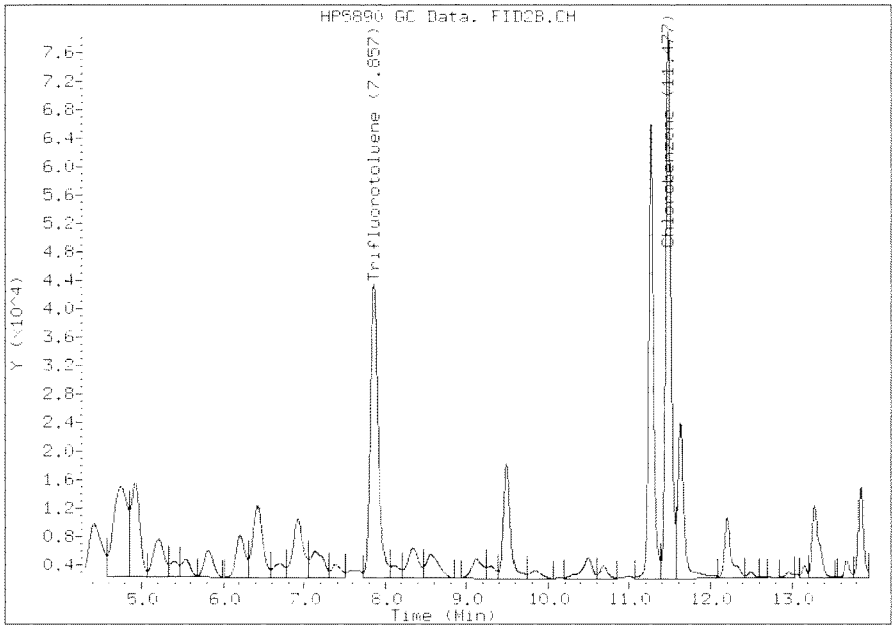
Manual Integration Results

RT: 9.13

Response: 1291696

Amount: 207.48

Conc: 207.48



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 204F1001.D
Inj. Date and Time: 27-APR-2012 17:20
Instrument ID: GC_B.i
Client ID:
Compound: 1 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/30/2012

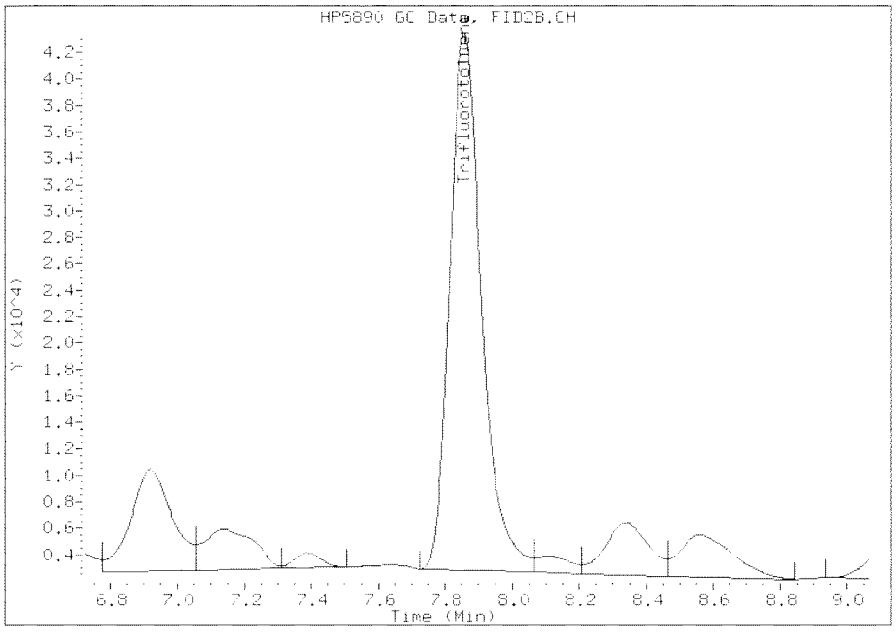
Processing Integration Results

RT: 7.86

Response: 268854

Amount: 27.09

Conc: 27.09



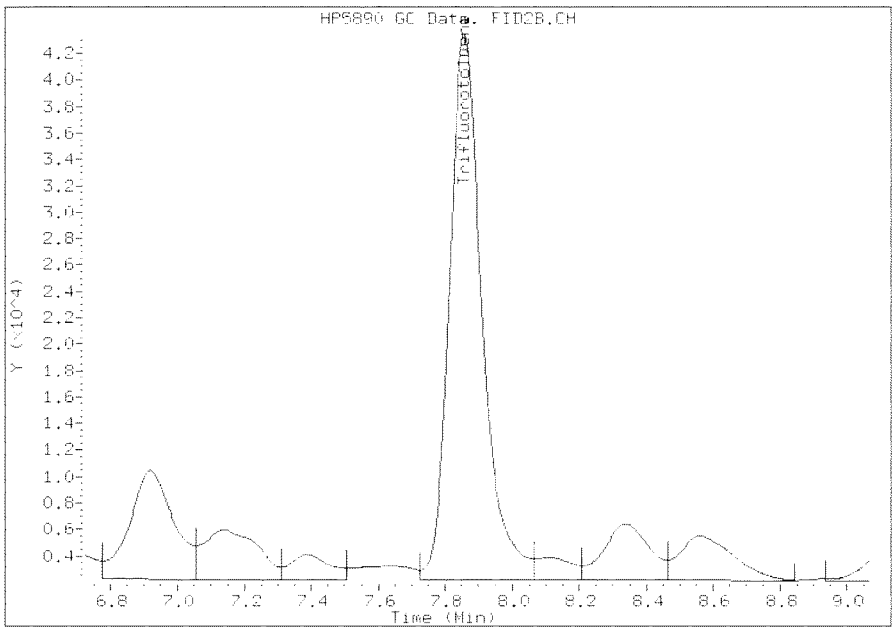
Manual Integration Results

RT: 7.86

Response: 281601

Amount: 28.37

Conc: 28.37



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 204F1001.D
Inj. Date and Time: 27-APR-2012 17:20
Instrument ID: GC_B.i
Client ID:
Compound: 5 Chlorobenzene
CAS #: 108-90-7
Report Date: 04/30/2012

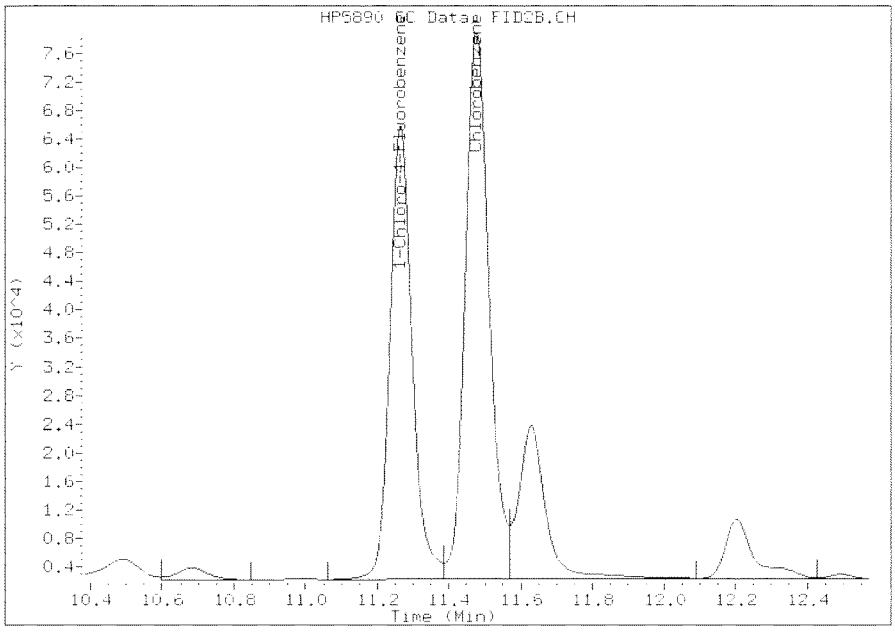
Processing Integration Results

RT: 11.48

Response: 344160

Amount: 29.95

Conc: 29.95



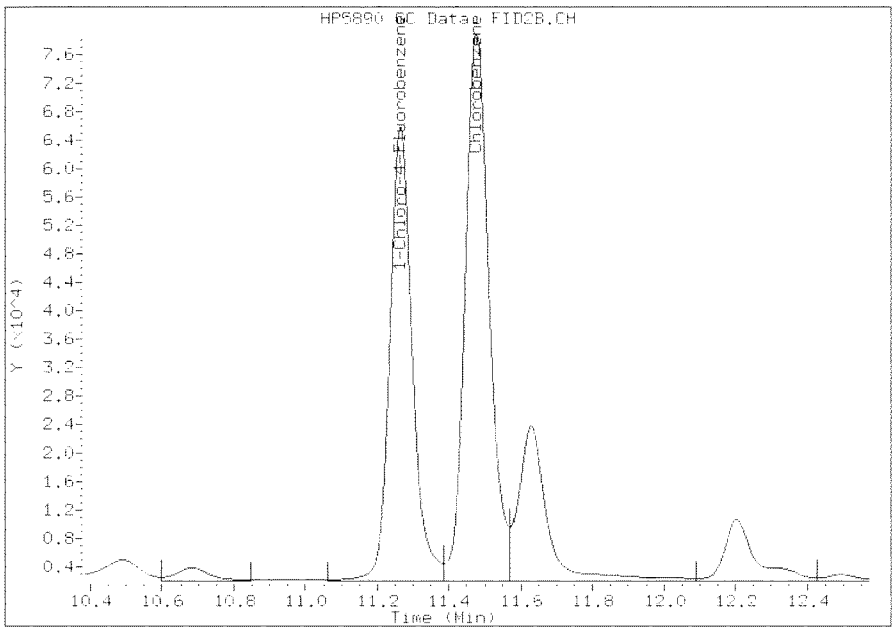
Manual Integration Results

RT: 11.48

Response: 347152

Amount: 30.21

Conc: 30.21



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-115193/9 Calibration Date: 04/11/2012 19:43

Instrument ID: GCV_K Calib Start Date: 04/11/2012 15:28

GC Column: RTX 502.2 (60) ID: 0.53(mm) Calib End Date: 04/11/2012 19:01

Lab File ID: 203F0901.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
Gasoline Range Organics (GRO)-C6-C10	Lin2	2716	3156		226	202	11.8	15.0
C5-C12	Lin2	3419	3509		197	202	-2.1	15.0
C6-C12	Lin2	3199	3433		206	202	2.2	15.0
Gasoline	Lin2	3199	3433		206	202	2.2	
a,a,a-Trifluorotoluene	Lin2	3612	3545		29.6	30.0	-1.4	15.0
Chlorobenzene	Lin2	4150	4168		29.3	30.0	-2.2	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-115193/9 Calibration Date: 04/11/2012 19:43

Instrument ID: GCV_K Calib Start Date: 04/11/2012 15:28

GC Column: RTX 502.2 (60) ID: 0.53(mm) Calib End Date: 04/11/2012 19:01

Lab File ID: 203F0901.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (GRO)-C6-C10	14.46	6.48	22.44
C5-C12	16.98	5.14	28.82
C6-C12	17.65	6.48	28.82
Gasoline	17.65	6.48	28.82
a,a,a-Trifluorotoluene	10.55	10.49	10.65
Chlorobenzene	15.69	15.64	15.80

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\203F0901.D
Lab Smp Id: ICV-1350969
Inj Date : 11-APR-2012 19:43
Operator : AMB   Inst ID: GC_K.i
Smp Info : ICV-1350969
Misc Info : Method 8015
Comment   : REV. OLMO1.1.1
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0411121.B\8015.m
Meth Date : 12-Apr-2012 13:00 byla   Quant Type: ESTD
Cal Date : 11-APR-2012 16:10   Cal File: 114F0401.D
Als bottle: 203
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: all.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 1 Chlorobenzene	15.693	15.720	-0.027	125048	29.3467	29.3467 (M)
S 165 Gasoline	6.483-28.823			692250	206.011	206.011 (M)
$ 2 Trifluorotoluene	10.550	10.573	-0.023	106337	29.5921	29.5921 (M)
S 3 GRO - C6 to C10	6.483-22.443			636392	225.502	225.502 (M)
S 163 C6 - C12	6.483-28.823			692250	206.011	206.011 (M)
S 164 C5-C12	5.143-28.823			707583	197.435	197.435 (M)
4 1-Chloro-4-Fluorobenzene	15.356	15.383	-0.027	100343	29.0362	29.0362 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 203F0901.D

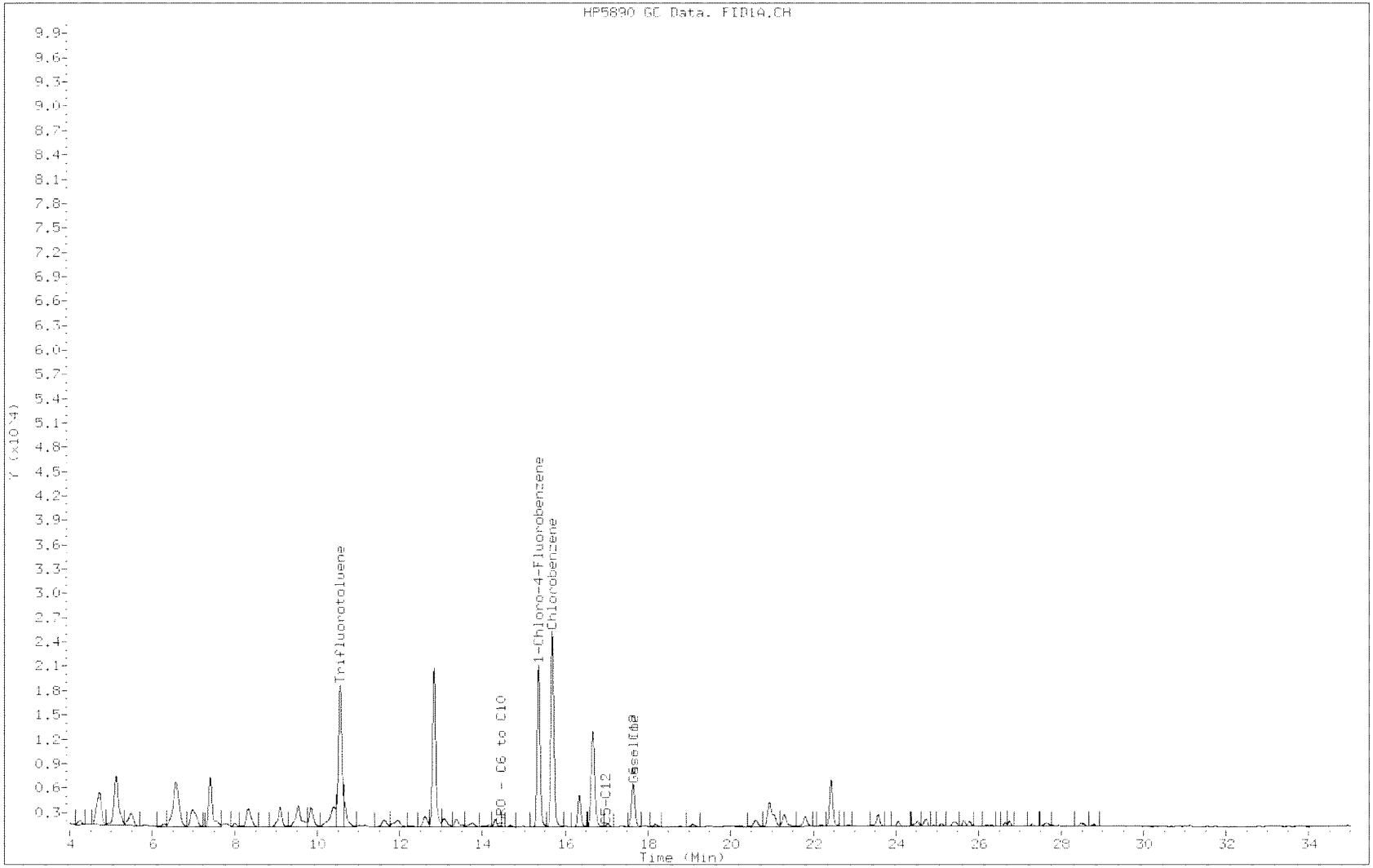
Date: 11-APR-2012 19:43

Client ID:

Instrument: GC_K.i

Sample Info: ICV-1350969

Operator: AMB



Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 11-APR-2012 19:43
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 04/12/2012

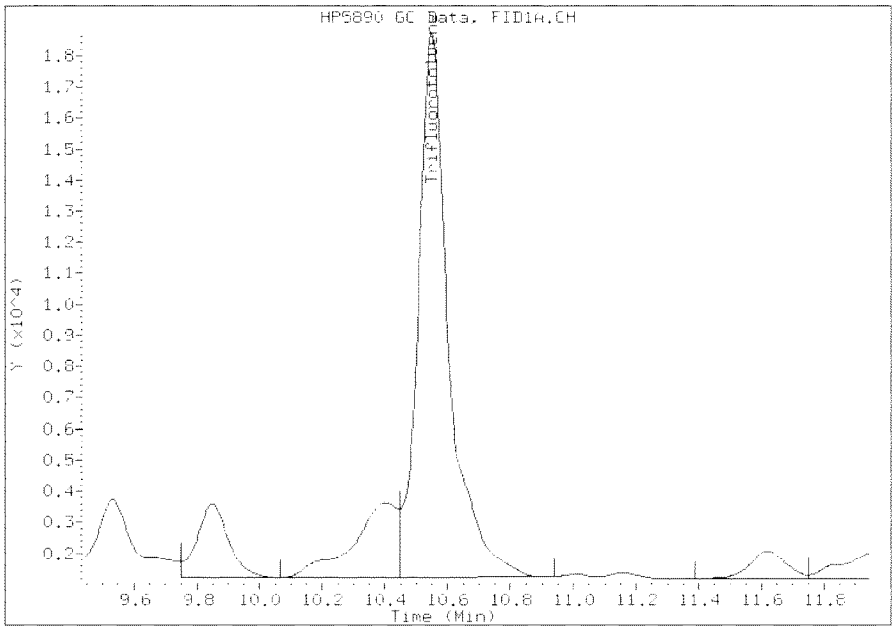
Processing Integration Results

RT: 10.55

Response: 118681

Amount: 33.01

Conc: 33.01



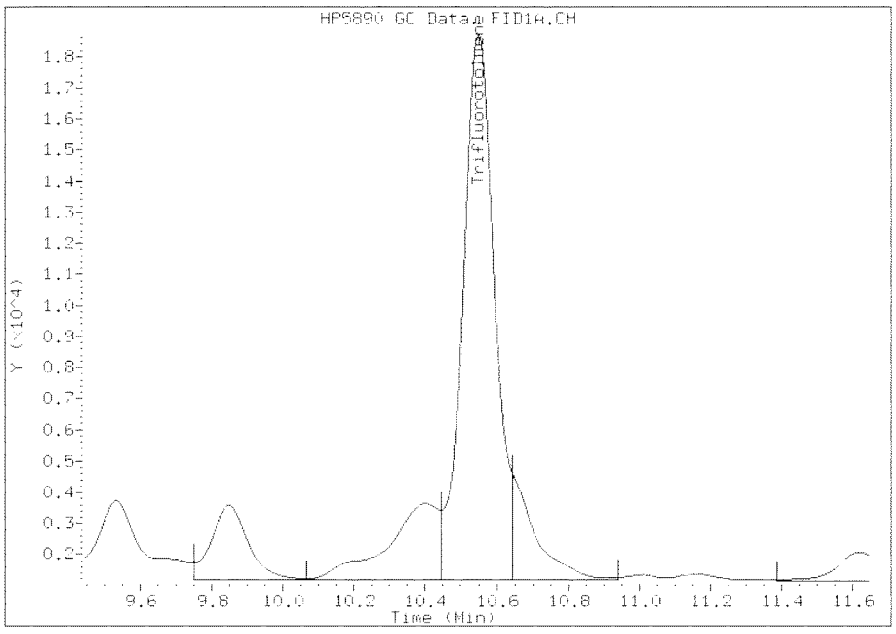
Manual Integration Results

RT: 10.55

Response: 106337

Amount: 29.59

Conc: 29.59



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 11-APR-2012 19:43
Instrument ID: GC_K.i
Client ID:
Compound: 164 C5-C12
CAS #: STL00349
Report Date: 04/12/2012

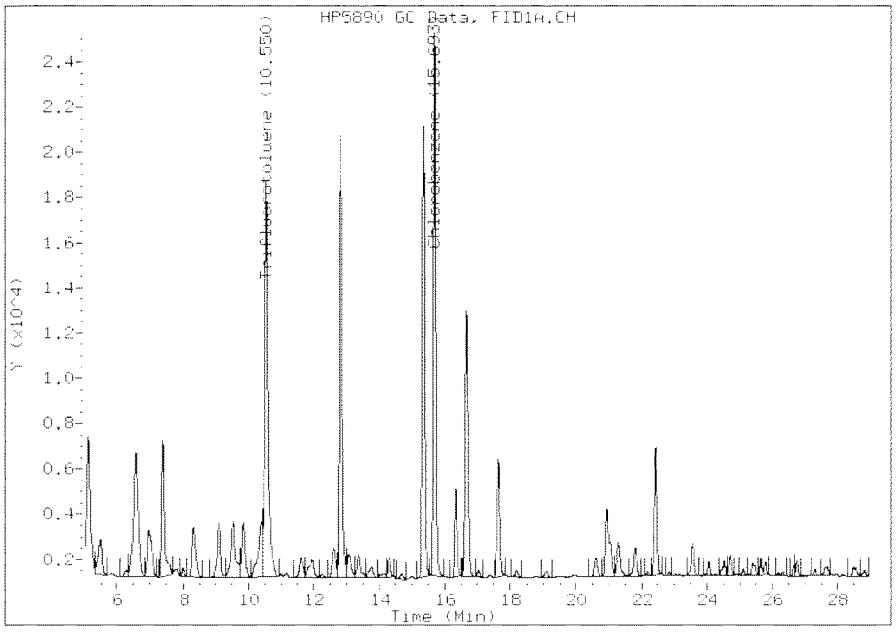
Processing Integration Results

RT: 16.98

Response: 690150

Amount: 193.10

Conc: 193.10



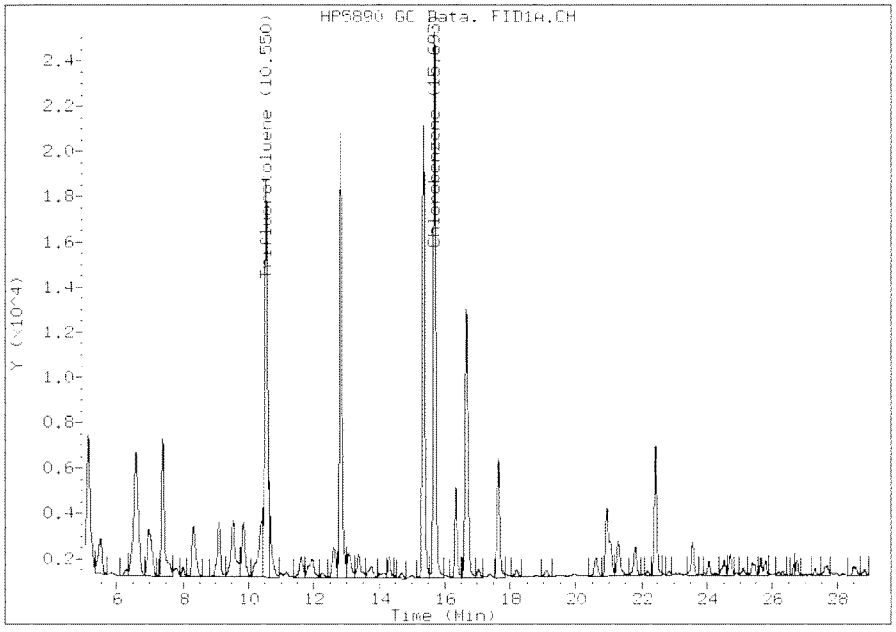
Manual Integration Results

RT: 16.98

Response: 707583

Amount: 197.44

Conc: 197.44



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 11-APR-2012 19:43
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/12/2012

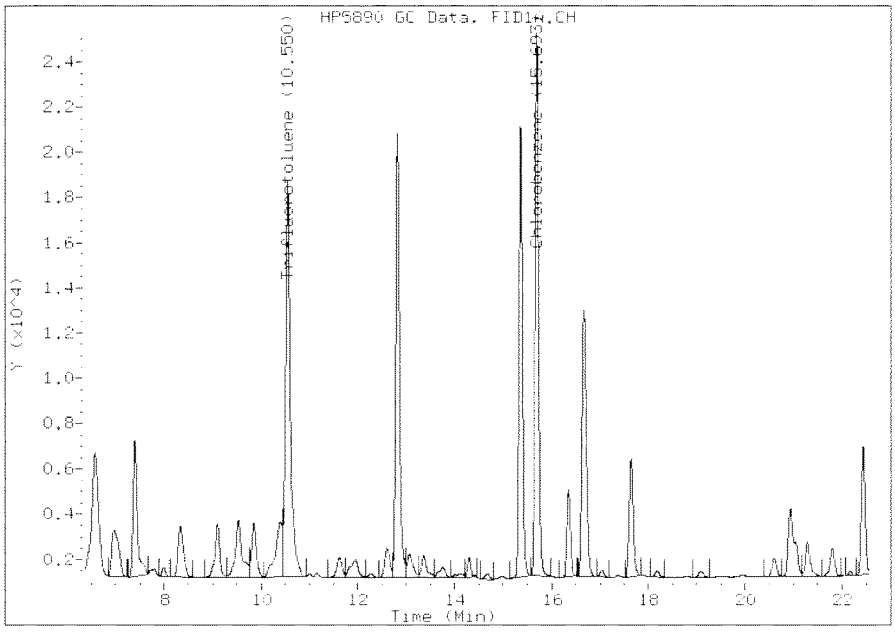
Processing Integration Results

RT: 14.46

Response: 592390

Amount: 210.84

Conc: 210.84



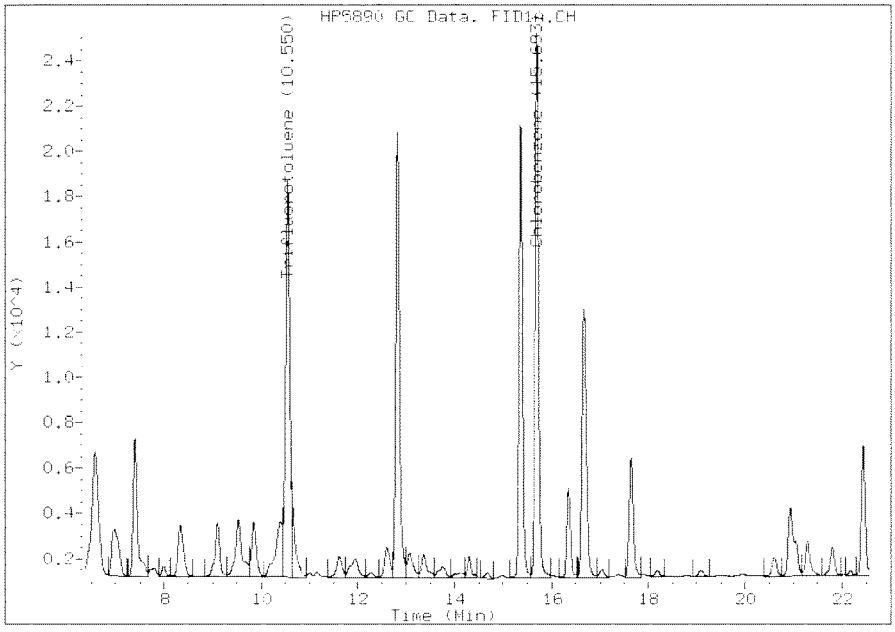
Manual Integration Results

RT: 14.46

Response: 636392

Amount: 225.50

Conc: 225.50



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 11-APR-2012 19:43
Instrument ID: GC_K.i
Client ID:
Compound: 163 C6 - C12
CAS #: STL00061
Report Date: 04/12/2012

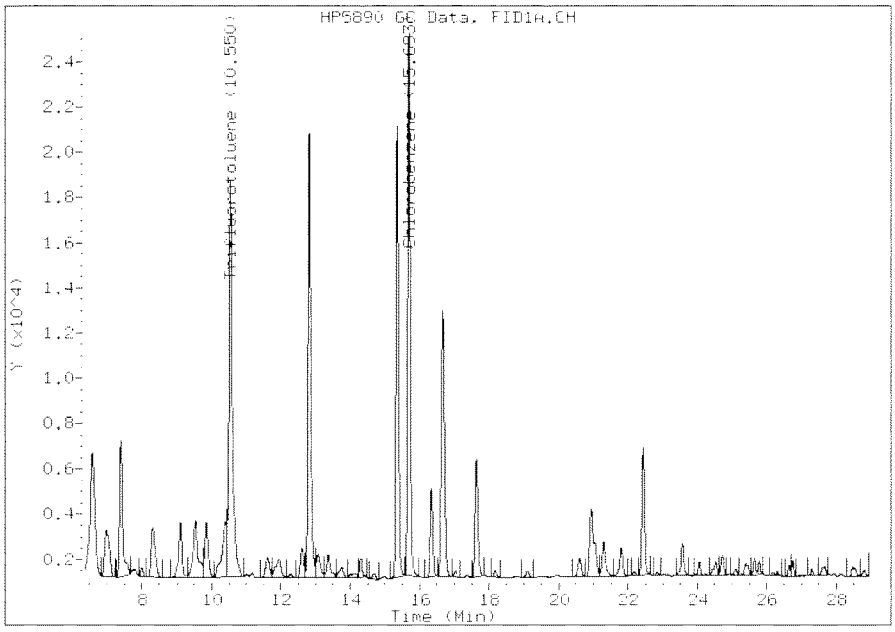
Processing Integration Results

RT: 17.65

Response: 639715

Amount: 191.25

Conc: 191.25



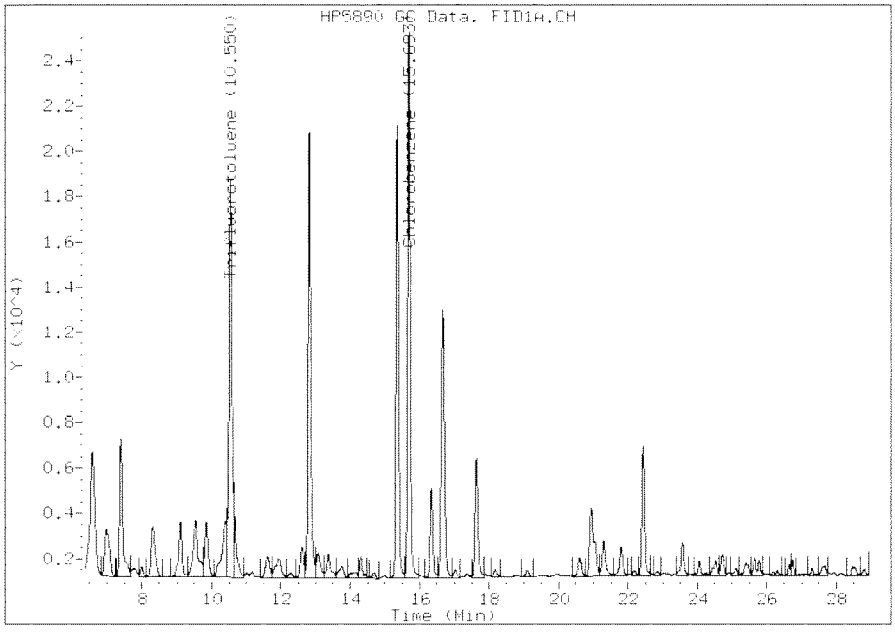
Manual Integration Results

RT: 17.65

Response: 692250

Amount: 206.01

Conc: 206.01



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 11-APR-2012 19:43
Instrument ID: GC_K.i
Client ID:
Compound: 165 Gasoline
CAS #: STL00228
Report Date: 04/12/2012

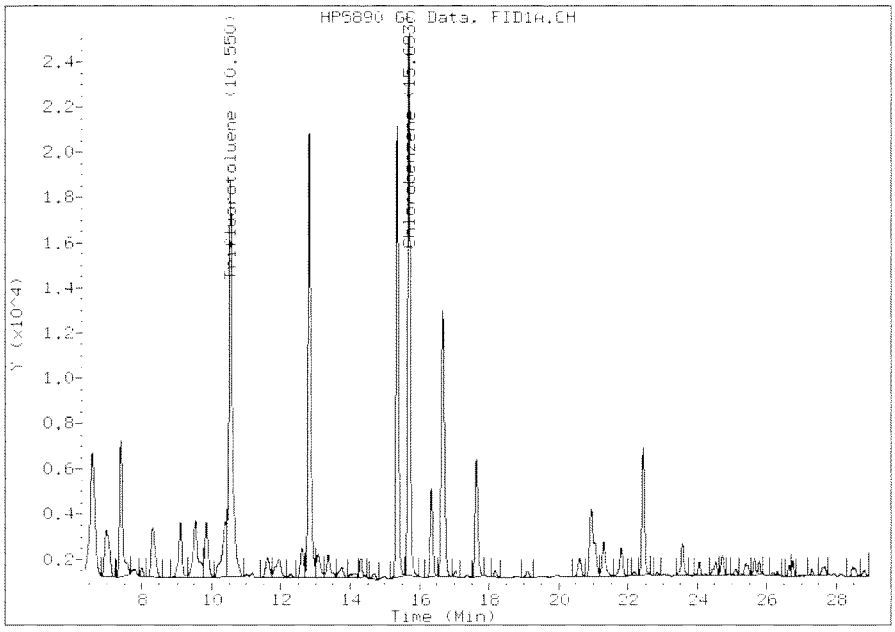
Processing Integration Results

RT: 17.65

Response: 639715

Amount: 191.25

Conc: 191.25



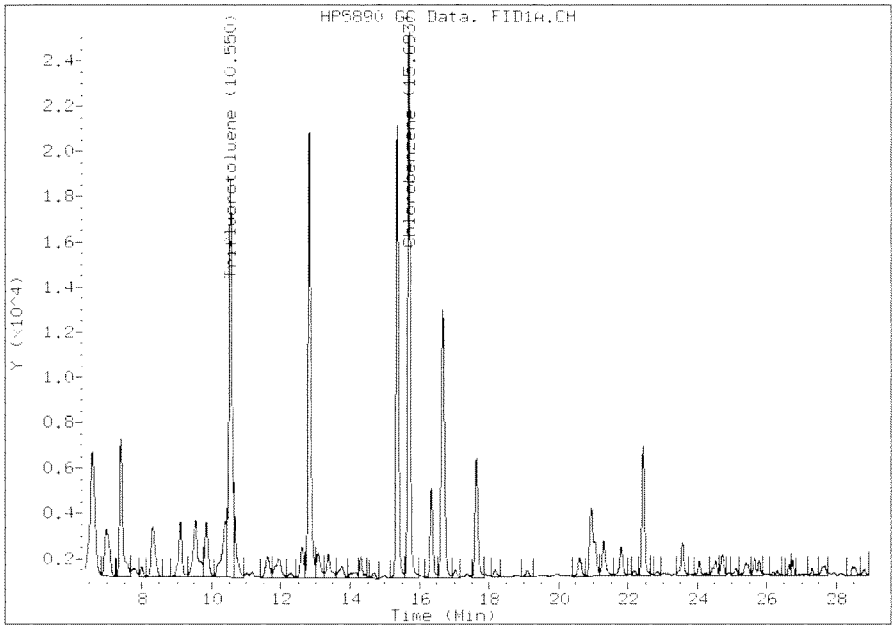
Manual Integration Results

RT: 17.65

Response: 692250

Amount: 206.01

Conc: 206.01



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 11-APR-2012 19:43
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 04/12/2012

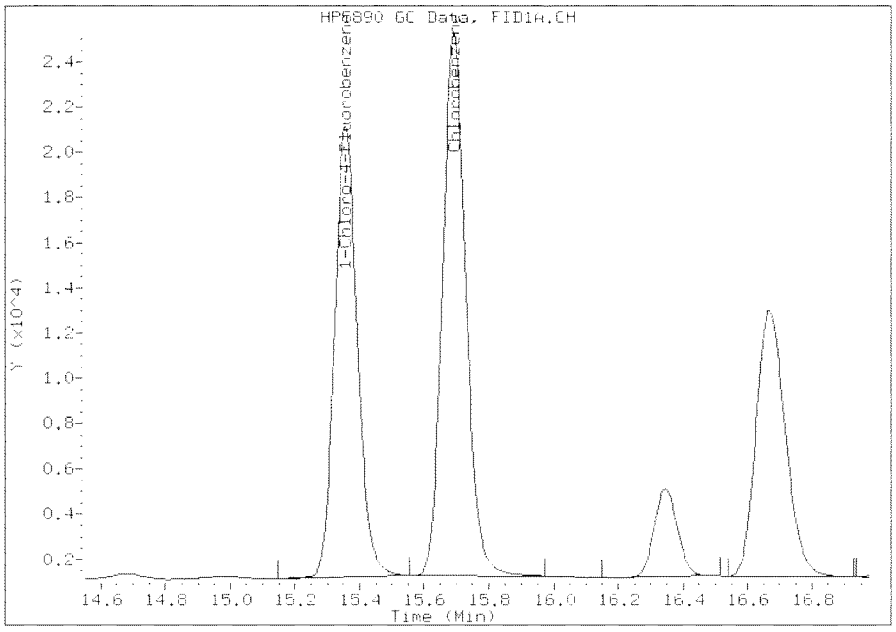
Processing Integration Results

RT: 15.69

Response: 121391

Amount: 28.55

Conc: 28.55



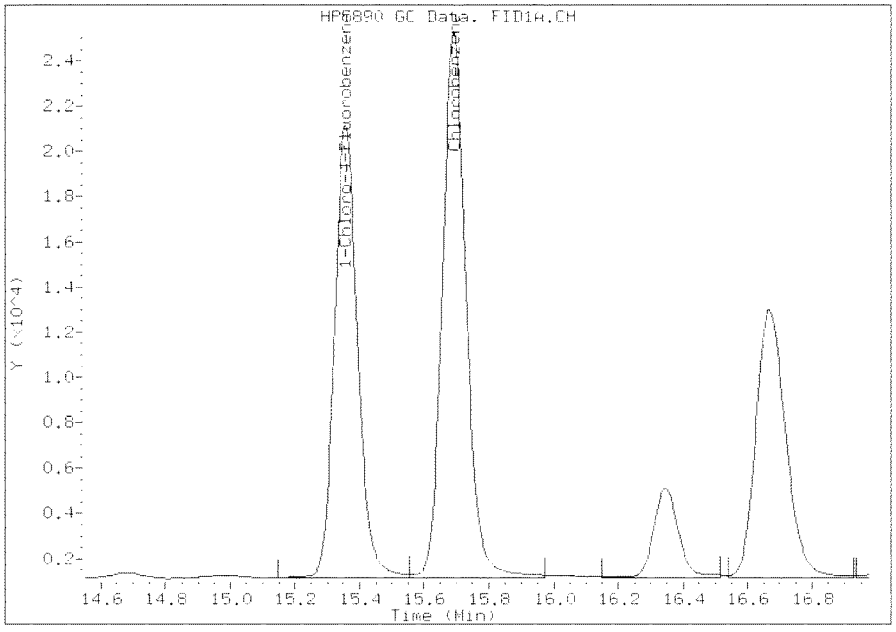
Manual Integration Results

RT: 15.69

Response: 125048

Amount: 29.35

Conc: 29.35



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117914/2 Calibration Date: 05/01/2012 12:27

Instrument ID: GCV_K Calib Start Date: 04/11/2012 15:28

GC Column: RTX 502.2 (60) ID: 0.53(mm) Calib End Date: 04/11/2012 19:01

Lab File ID: 102F0201.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
Gasoline Range Organics (GRO)-C6-C10	Lin2	2716	2705		192	200	-3.9	15.0
a,a,a-Trifluorotoluene	Lin2	3612	3642		30.4	30.0	1.4	15.0
Chlorobenzene	Lin2	4150	4488		31.6	30.0	5.2	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117914/2 Calibration Date: 05/01/2012 12:27

Instrument ID: GCV_K Calib Start Date: 04/11/2012 15:28

GC Column: RTX 502.2 (60) ID: 0.53(mm) Calib End Date: 04/11/2012 19:01

Lab File ID: 102F0201.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (GRO)-C6-C10	14.45	6.47	22.42
a,a,a-Trifluorotoluene	10.55	10.47	10.63
Chlorobenzene	15.69	15.61	15.77

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\102F0201.D
Lab Smp Id: CCVRT-1390921
Inj Date : 01-MAY-2012 12:27
Operator : AMB   Inst ID: GC_K.i
Smp Info : CCVRT-1390921
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 102   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	2 Trifluorotoluene	10.550	10.550	0.000	109250	30.0000	30.4064 (M)
S	3 GRO - C6 to C10	6.470-22.423			541009	200.000	192.206 (M)
	4 1-Chloro-4-Fluorobenzene	15.356	15.356	0.000	108910	30.0000	31.4936 (M)
$	1 Chlorobenzene	15.690	15.690	0.000	134628	30.0000	31.5658 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 102F0201.D

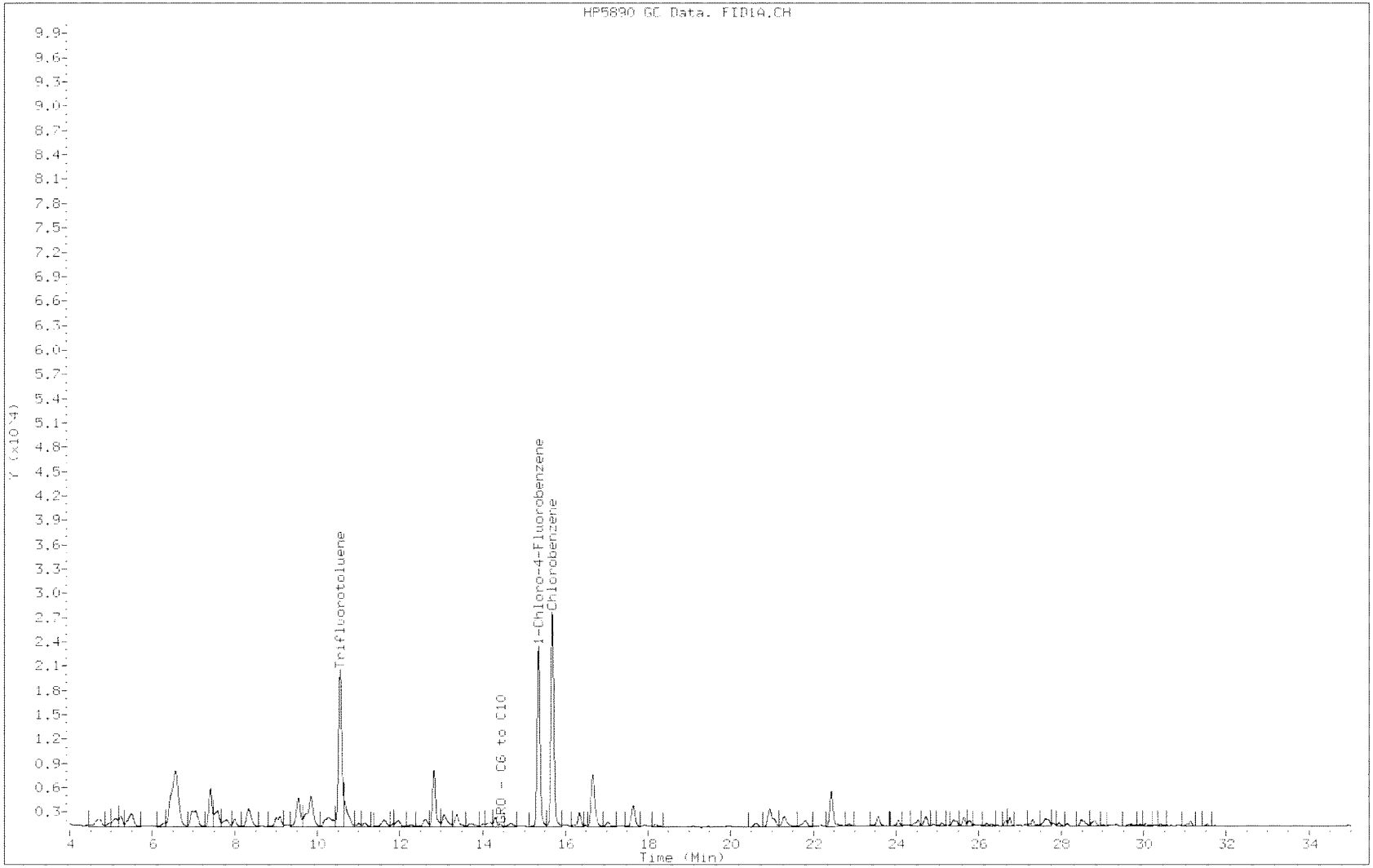
Date: 01-MAY-2012 12:27

Client ID:

Instrument: GC_K.i

Sample Info: CCVRT-1390921

Operator: AMB



Manual Integration Report

Data File: 102F0201.D
Inj. Date and Time: 01-MAY-2012 12:27
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 05/02/2012

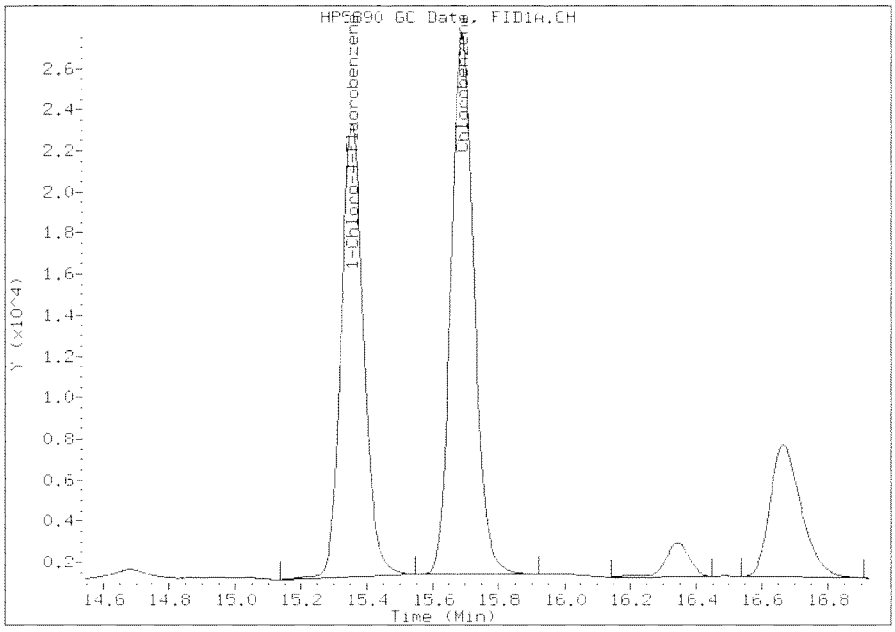
Processing Integration Results

RT: 15.69

Response: 128598

Amount: 30.17

Conc: 30.17



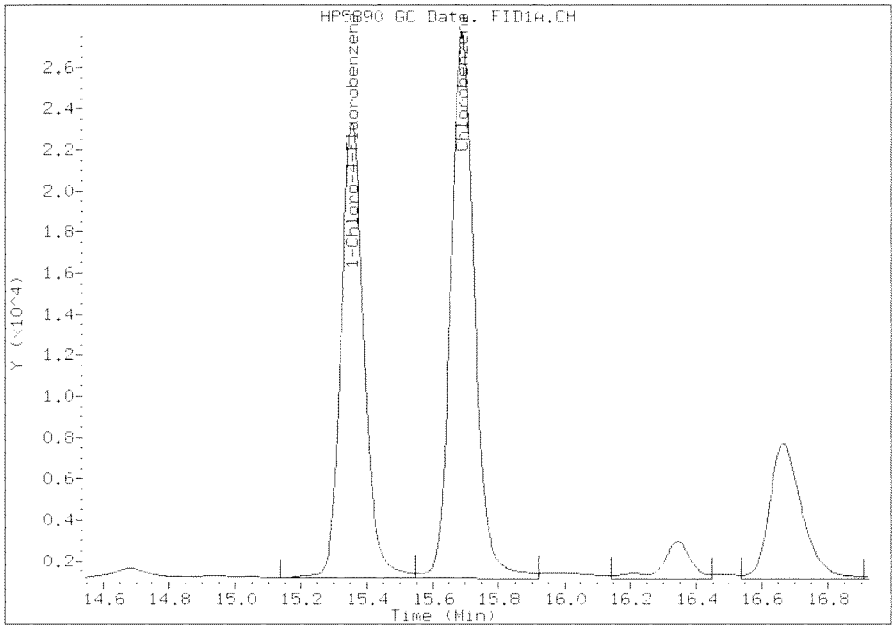
Manual Integration Results

RT: 15.69

Response: 134628

Amount: 31.57

Conc: 31.57



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 102F0201.D
Inj. Date and Time: 01-MAY-2012 12:27
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

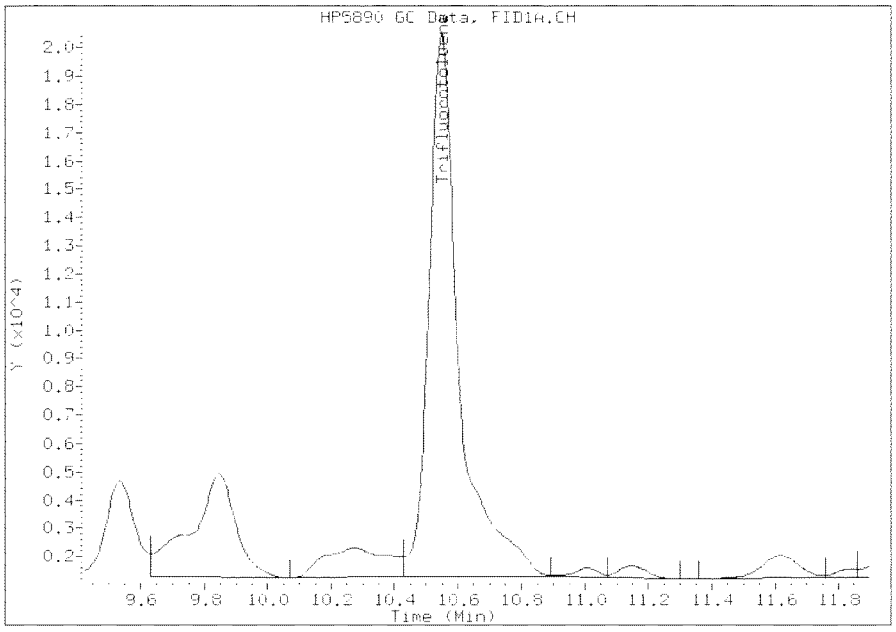
Processing Integration Results

RT: 10.55

Response: 128501

Amount: 35.79

Conc: 35.79



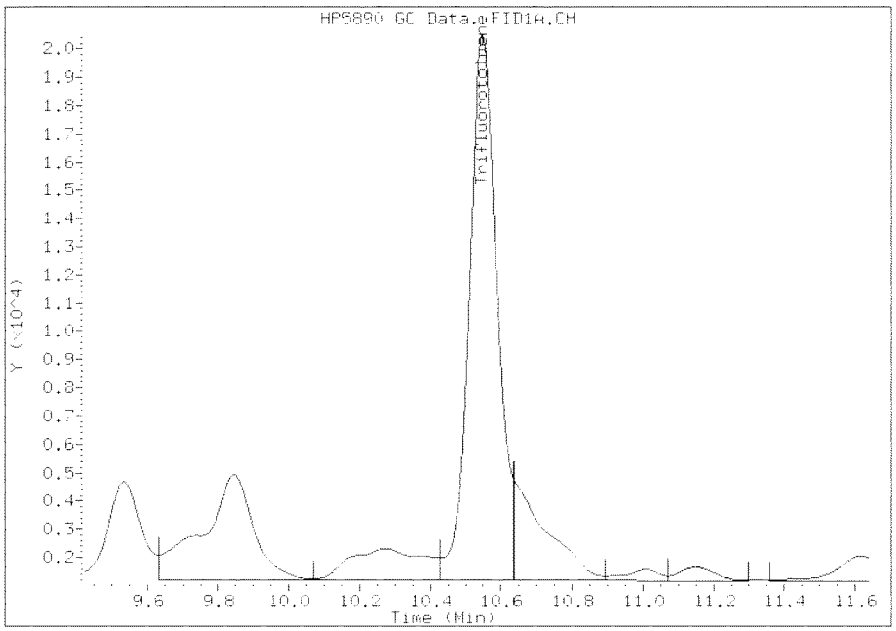
Manual Integration Results

RT: 10.55

Response: 109250

Amount: 30.41

Conc: 30.41



Manually Integrated By: mooret
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 102F0201.D
Inj. Date and Time: 01-MAY-2012 12:27
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

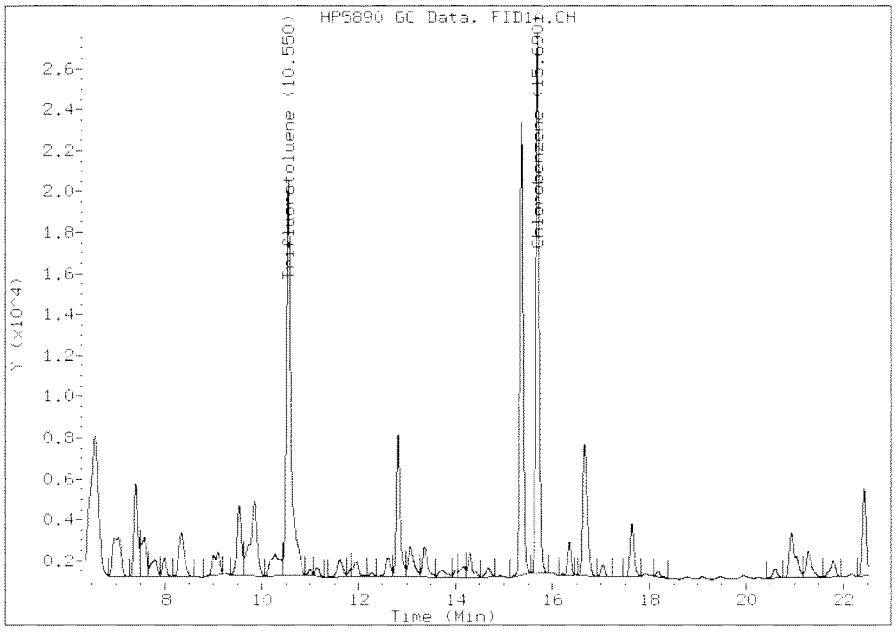
Processing Integration Results

RT: 14.45

Response: 479342

Amount: 170.68

Conc: 170.68



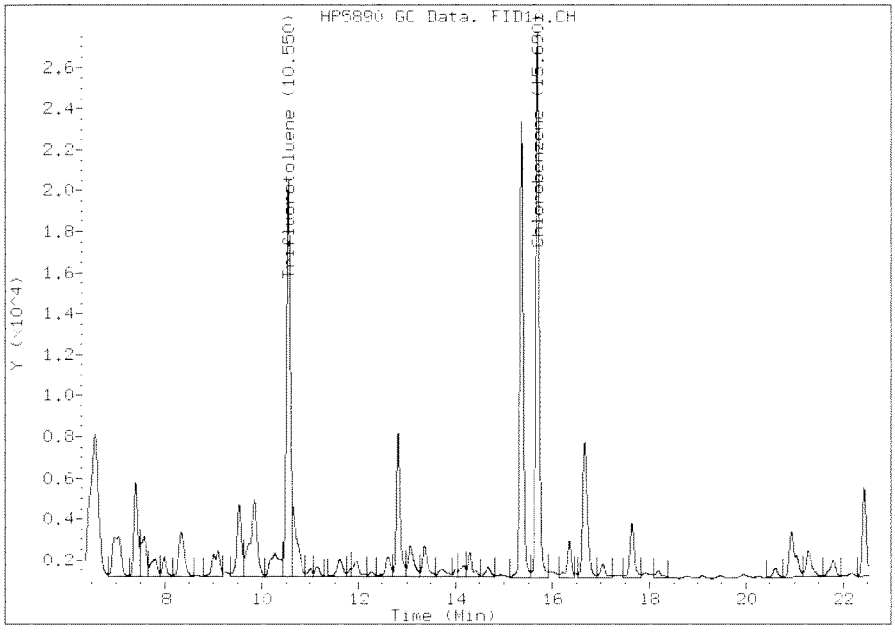
Manual Integration Results

RT: 14.45

Response: 541009

Amount: 192.21

Conc: 192.21



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117914/14 Calibration Date: 05/01/2012 22:03

Instrument ID: GCV_K Calib Start Date: 04/11/2012 15:28

GC Column: RTX 502.2 (60) ID: 0.53(mm) Calib End Date: 04/11/2012 19:01

Lab File ID: 114F1401.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
Gasoline Range Organics (GRO)-C6-C10	Lin2	2716	2709		192	200	-3.8	15.0
a,a,a-Trifluorotoluene	Lin2	3612	3432		28.6	30.0	-4.5	15.0
Chlorobenzene	Lin2	4150	4227		29.8	30.0	-0.8	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117914/14 Calibration Date: 05/01/2012 22:03

Instrument ID: GCV_K Calib Start Date: 04/11/2012 15:28

GC Column: RTX 502.2 (60) ID: 0.53(mm) Calib End Date: 04/11/2012 19:01

Lab File ID: 114F1401.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (GRO)-C6-C10	14.45	6.47	22.42
a,a,a-Trifluorotoluene	10.53	10.47	10.63
Chlorobenzene	15.66	15.61	15.77

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\114F1401.D
Lab Smp Id: CCV-1390921
Inj Date : 01-MAY-2012 22:03
Operator : AMB   Inst ID: GC_K.i
Smp Info : CCV-1390921
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 114
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	2 Trifluorotoluene	10.526	10.550	-0.024	102961	28.6483	28.6483(M)
S	3 GRO - C6 to C10	6.470-22.423			541783	192.476	192.476(M)
	4 1-Chloro-4-Fluorobenzene	15.330	15.356	-0.026	101191	29.2794	29.2794(M)
$	1 Chlorobenzene	15.663	15.690	-0.027	126808	29.7544	29.7544(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 114F1401.D

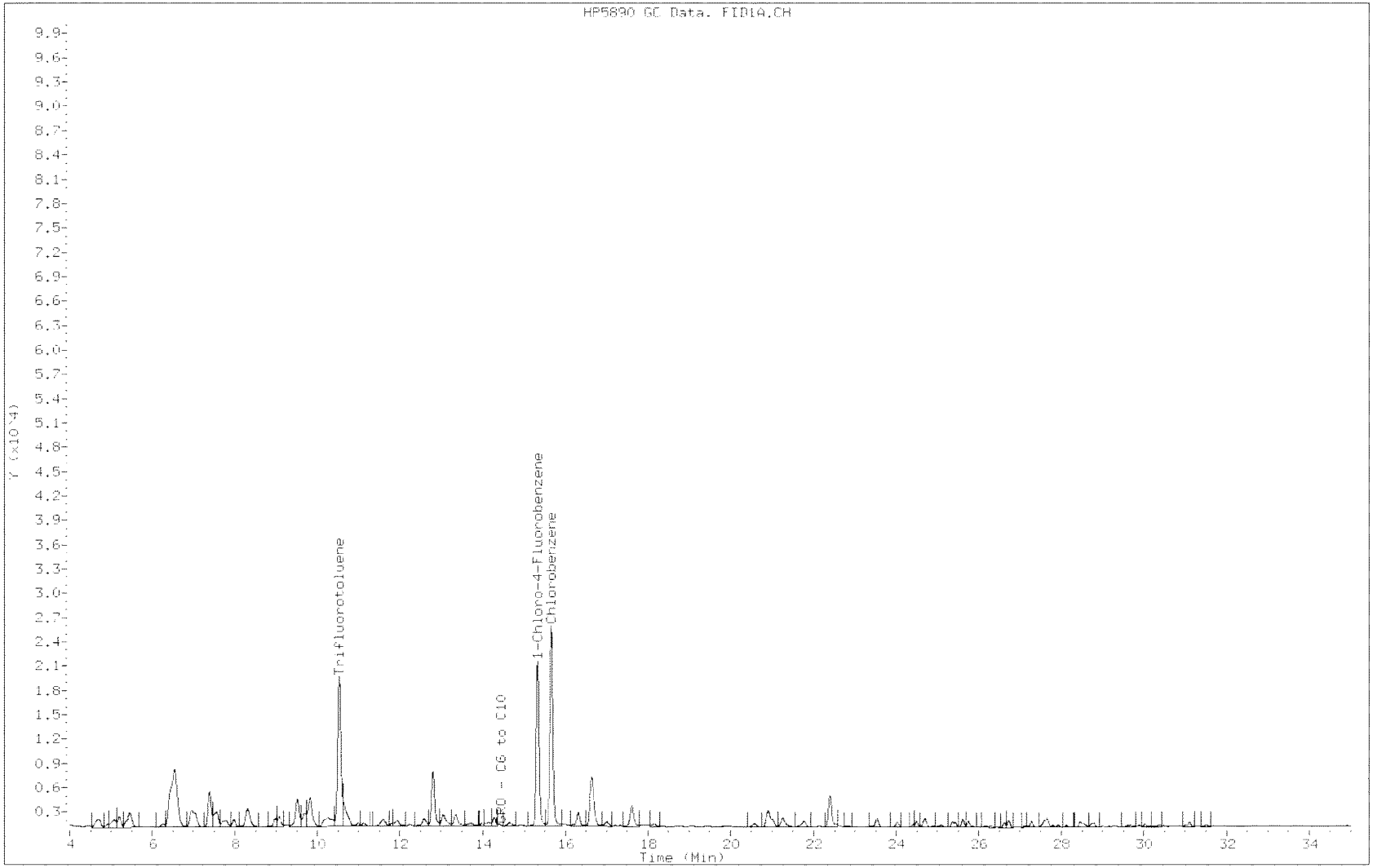
Date: 01-MAY-2012 22:03

Client ID:

Instrument: GC_K.i

Sample Info: CCV-1390921

Operator: AMB



Manual Integration Report

Data File: 114F1401.D
Inj. Date and Time: 01-MAY-2012 22:03
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

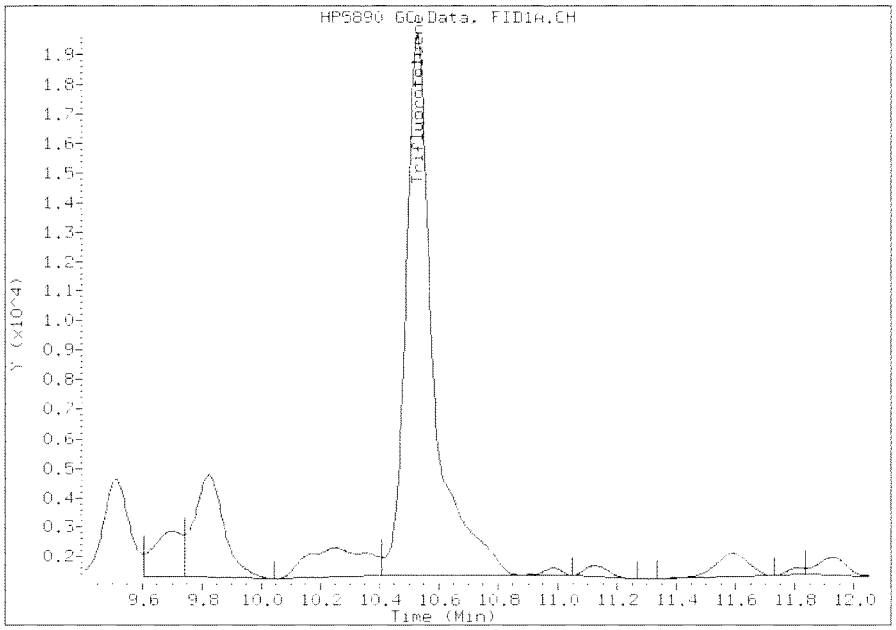
Processing Integration Results

RT: 10.53

Response: 121640

Amount: 33.87

Conc: 33.87



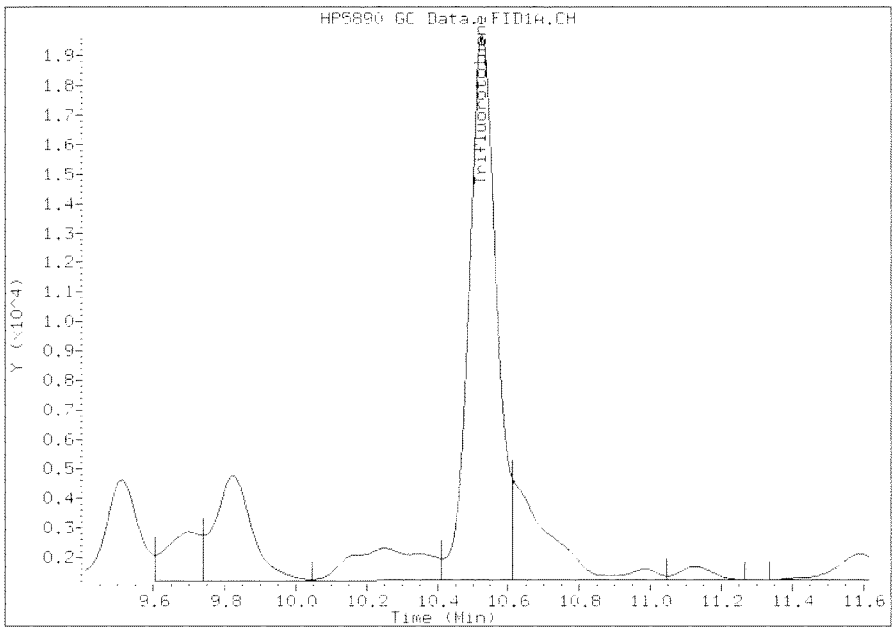
Manual Integration Results

RT: 10.53

Response: 102961

Amount: 28.65

Conc: 28.65



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 114F1401.D
Inj. Date and Time: 01-MAY-2012 22:03
Instrument ID: GC_K.i
Client ID:
Compound: 1 Chlorobenzene
CAS #: 8006-61-9
Report Date: 05/02/2012

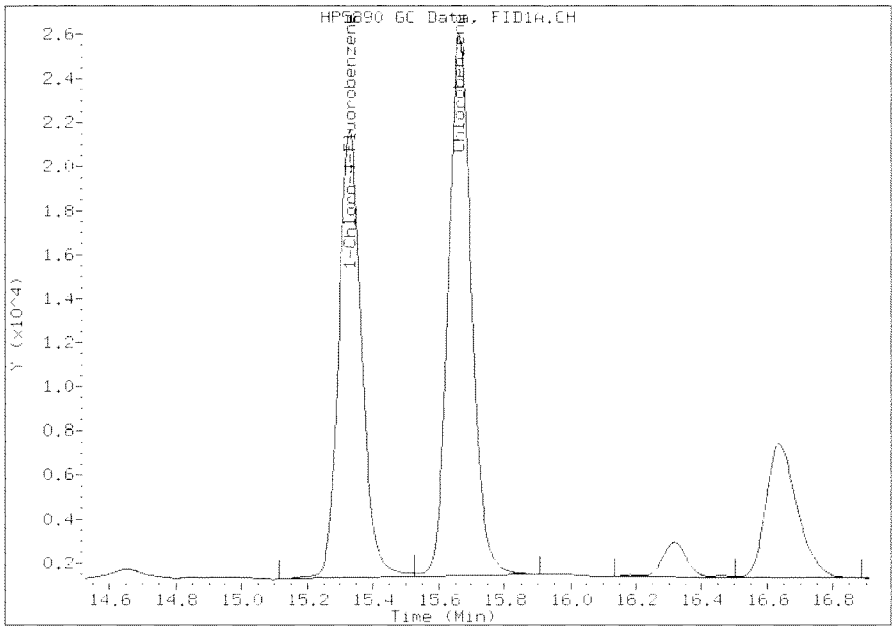
Processing Integration Results

RT: 15.66

Response: 122136

Amount: 28.67

Conc: 28.67



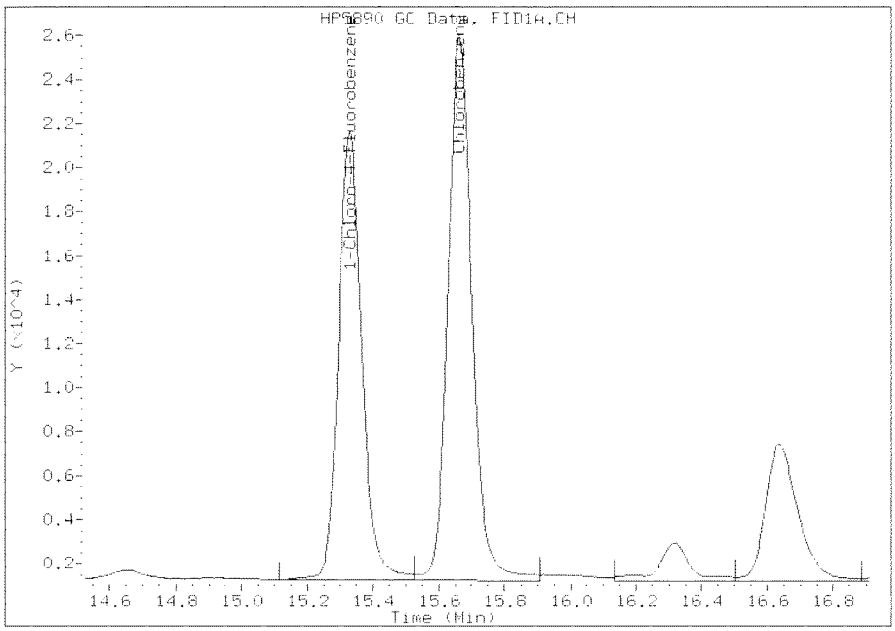
Manual Integration Results

RT: 15.66

Response: 126808

Amount: 29.75

Conc: 29.75



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 114F1401.D
Inj. Date and Time: 01-MAY-2012 22:03
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

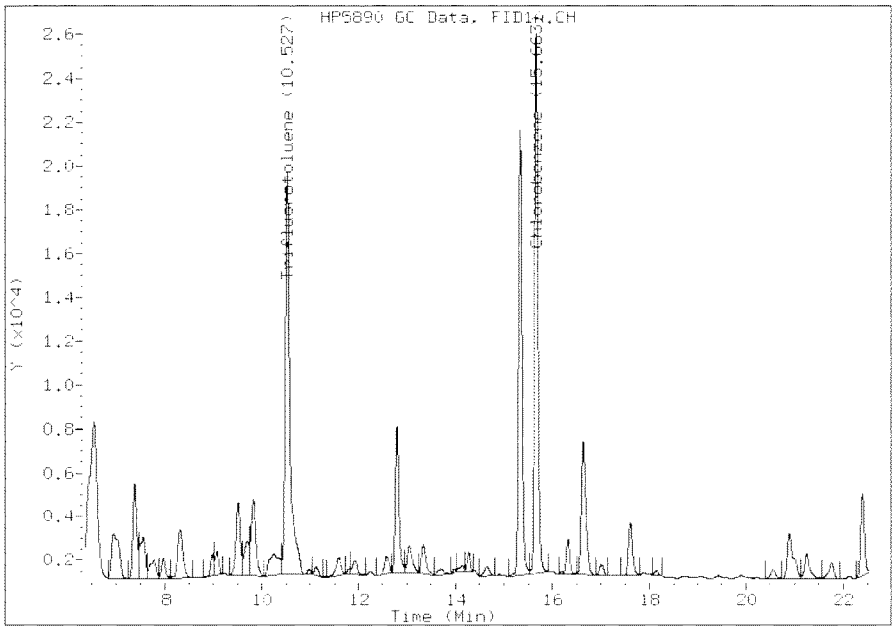
Processing Integration Results

RT: 14.45

Response: 463747

Amount: 165.24

Conc: 165.24



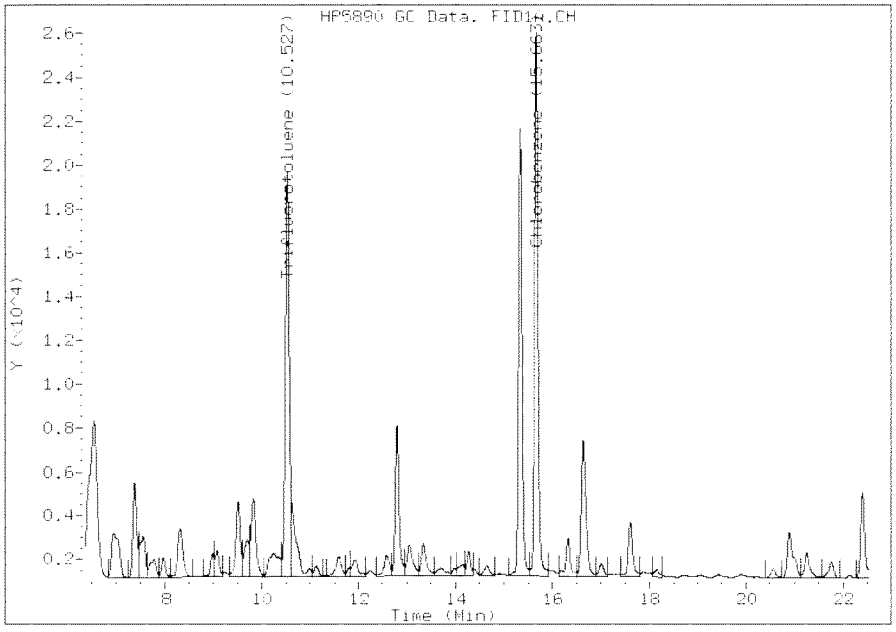
Manual Integration Results

RT: 14.45

Response: 541783

Amount: 192.48

Conc: 192.48



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	MB 280-117506/5
Matrix:	Water	Lab File ID:	115F0501.D
Analysis Method:	8015B	Date Collected:	
Sample wt/vol:	5(mL)	Date Analyzed:	04/27/2012 13:40
Soil Aliquot Vol:		Dilution Factor:	1
Soil Extract Vol.:		GC Column:	RTX 502.2 (105) ID: 0.53(mm)
% Moisture:		Level: (low/med)	Low
Analysis Batch No.:	117506	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	ND		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	89		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\115F0501.D
Lab Smp Id: MB-1342444
Inj Date : 27-APR-2012 13:40
Operator : AMB   Inst ID: GC_B.i
Smp Info : MB-1342444
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 115   QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	1 Trifluorotoluene	7.853	7.850	0.003	265717	26.7766	26.7766
S	2 GRO - C6 to C10	4.413-13.840			19795	7.09319	7.09319(a)
	4 1-Chloro-4-Fluorobenzene	11.260	11.260	0.000	267708	28.1775	28.1775
$	5 Chlorobenzene	11.473	11.470	0.003	338676	29.4779	29.4778

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: 115F0501.D

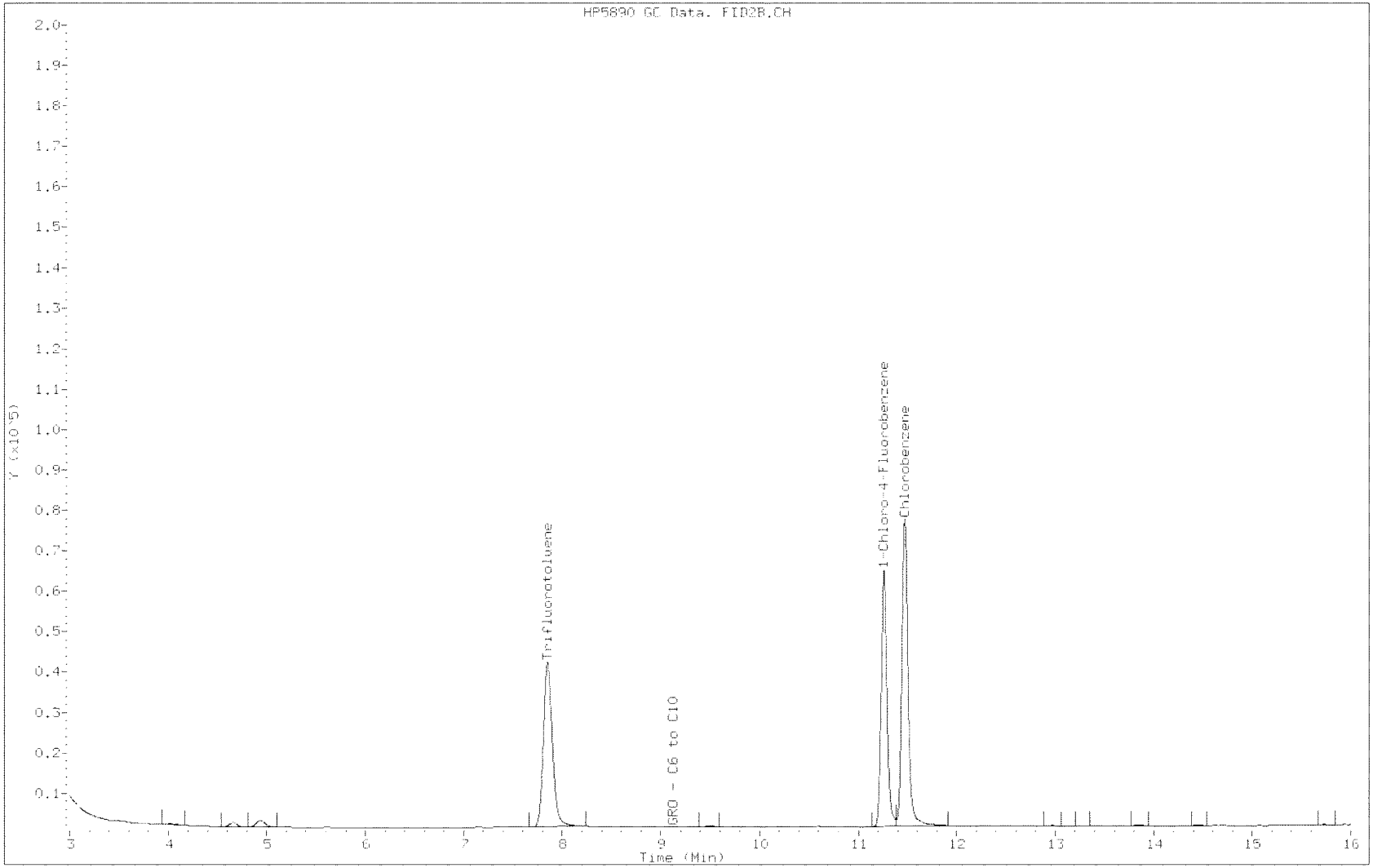
Date: 27-APR-2012 13:40

Client ID:

Instrument: GC_B.i

Sample Info: MB-1342444

Operator: AMB



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-117914/5

Matrix: Water | Lab File ID: 105F0501.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/01/2012 14:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (60) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117914 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	ND		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	96		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\105F0501.D
Lab Smp Id: MB-1342444
Inj Date : 01-MAY-2012 14:57
Operator : AMB   Inst ID: GC_K.i
Smp Info : MB-1342444
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 105   QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	2 Trifluorotoluene	10.546	10.550	-0.004	102992	28.6570	28.6570
S	3 GRO - C6 to C10	6.470-22.423			4780	5.01890	5.01890(a)
	4 1-Chloro-4-Fluorobenzene	15.353	15.356	-0.003	103400	29.9131	29.9131
$	1 Chlorobenzene	15.686	15.690	-0.004	126173	29.6073	29.6073

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: 105F0501.D

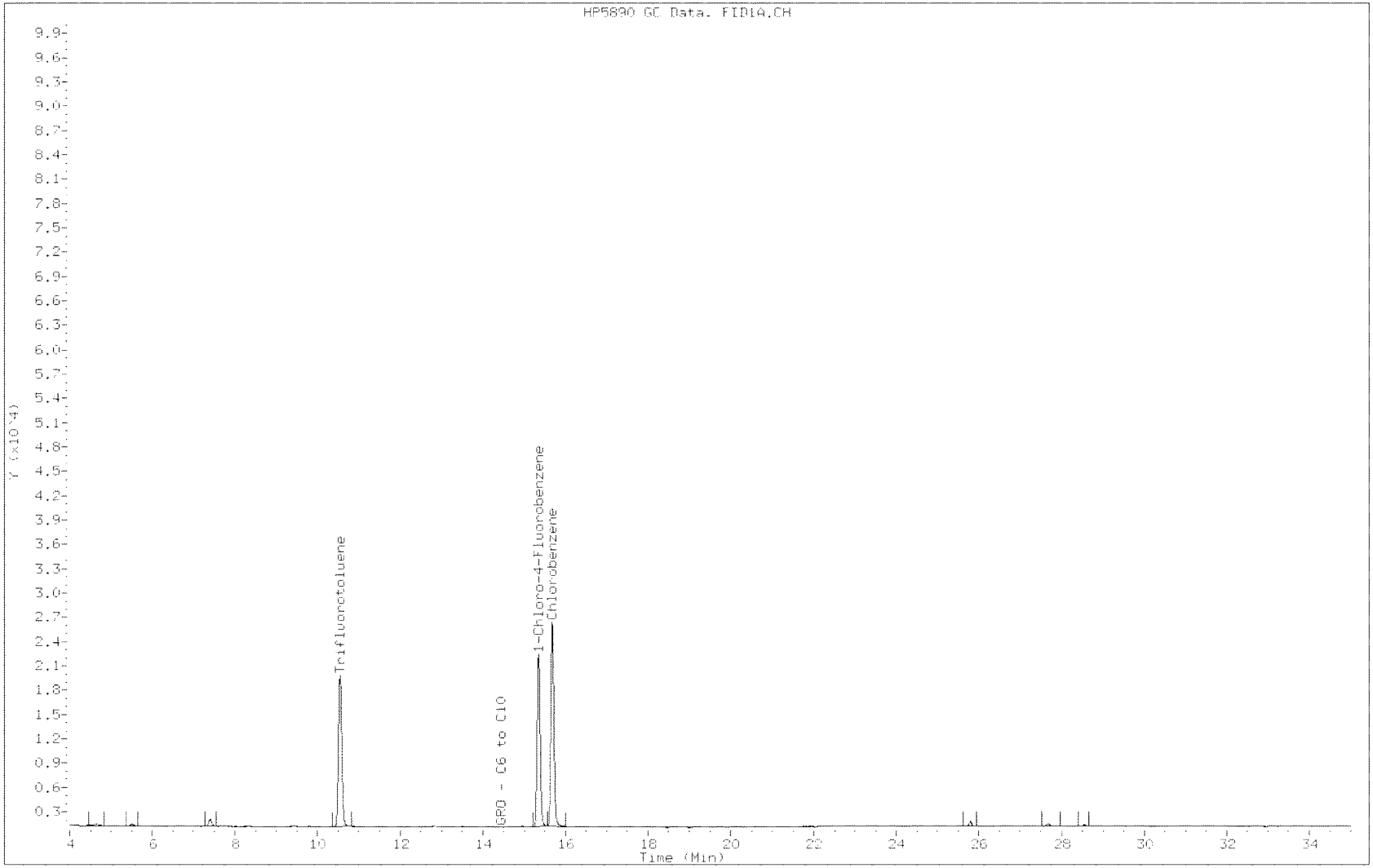
Date: 01-MAY-2012 14:57

Client ID:

Instrument: GC_K.i

Sample Info: MB-1342444

Operator: AMB



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117506/3

Matrix: Water | Lab File ID: 113F0301.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/27/2012 12:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (105) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	113		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	91		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\113F0301.D
Lab Smp Id: LCS-1380295
Inj Date : 27-APR-2012 12:36
Operator : AMB   Inst ID: GC_B.i
Smp Info : LCS-1380295
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 113   QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	1 Trifluorotoluene	7.853	7.850	0.003	269885	27.1938	27.1938
S	2 GRO - C6 to C10	4.413-13.840			689999	112.682	112.682(M)
	4 1-Chloro-4-Fluorobenzene	11.263	11.260	0.003	270661	28.4871	28.4871(M)
$	5 Chlorobenzene	11.473	11.470	0.003	350911	30.5381	30.5381(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 113F0301.D

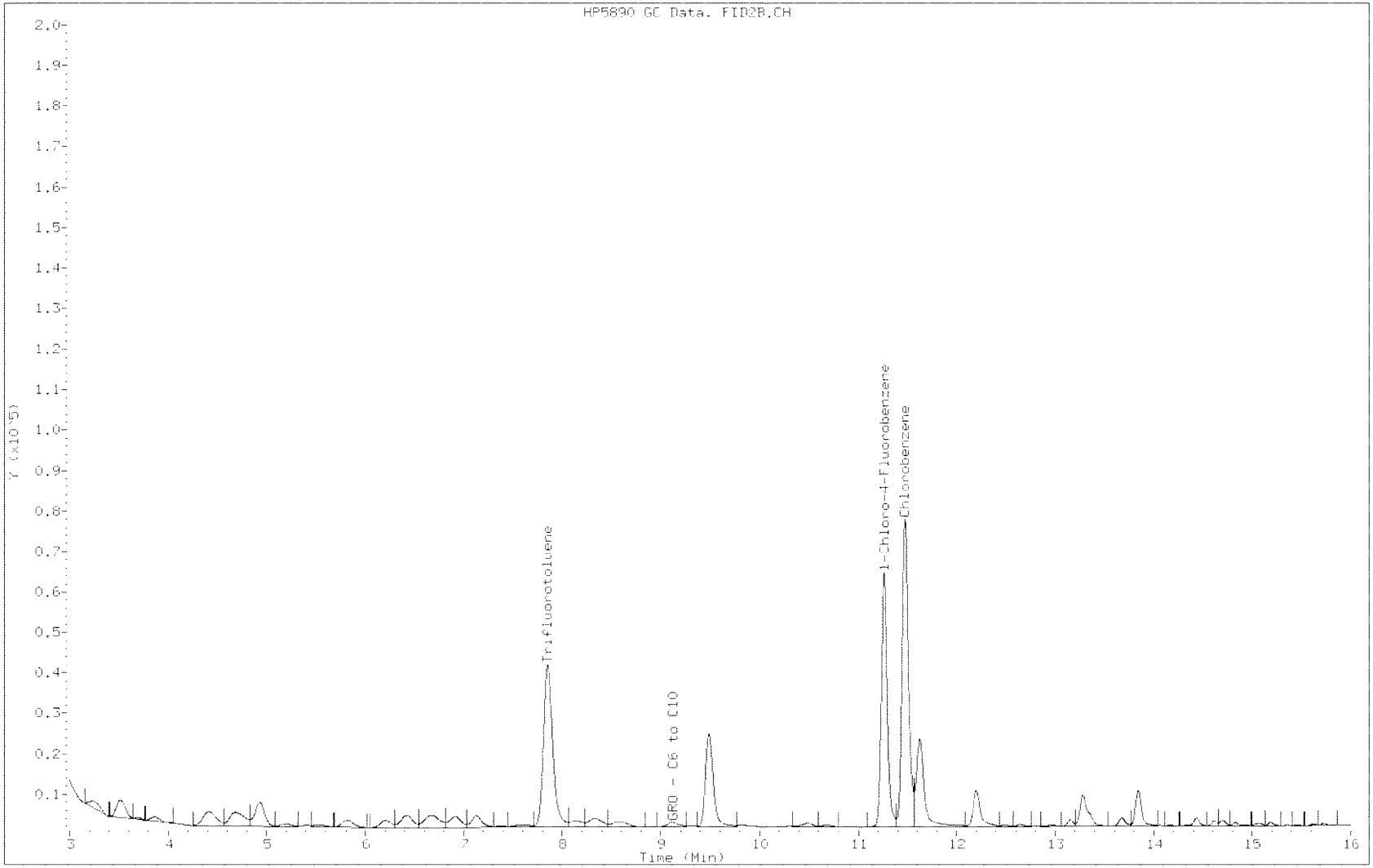
Date: 27-APR-2012 12:36

Client ID:

Instrument: GC_B.i

Sample Info: LCS-1380295

Operator: AMB



Manual Integration Report

Data File: 113F0301.D
Inj. Date and Time: 27-APR-2012 12:36
Instrument ID: GC_B.i
Client ID:
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

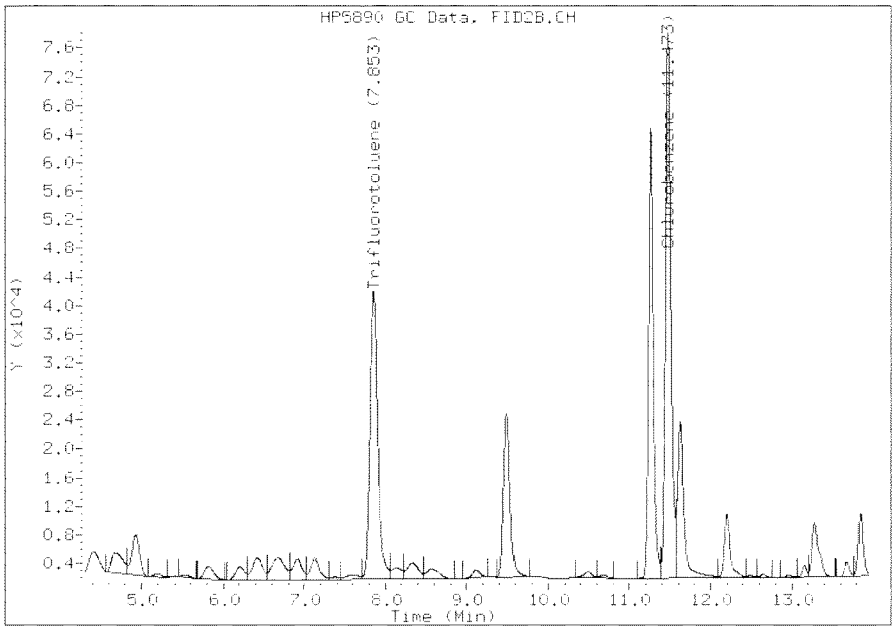
Processing Integration Results

RT: 9.13

Response: 644995

Amount: 105.59

Conc: 105.59



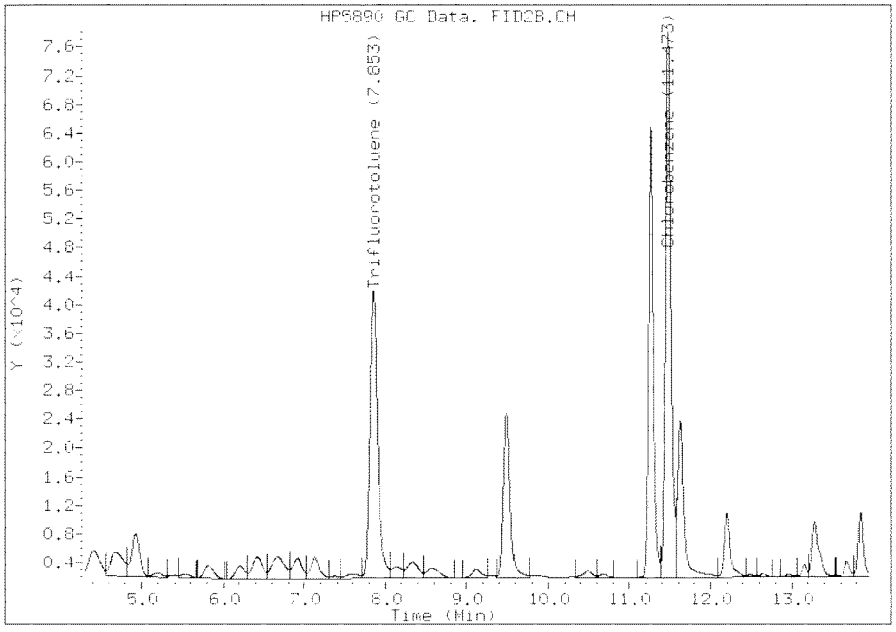
Manual Integration Results

RT: 9.13

Response: 689999

Amount: 112.68

Conc: 112.68



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCS 280-117914/3
Matrix:	Water	Lab File ID:	103F0301.D
Analysis Method:	8015B	Date Collected:	
Sample wt/vol:	5(mL)	Date Analyzed:	05/01/2012 13:33
Soil Aliquot Vol:		Dilution Factor:	1
Soil Extract Vol.:		GC Column:	RTX 502.2 (60) ID: 0.53(mm)
% Moisture:		Level: (low/med)	Low
Analysis Batch No.:	117914	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	114		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	109		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\103F0301.D
Lab Smp Id: LCS-1380295
Inj Date : 01-MAY-2012 13:33
Operator : AMB   Inst ID: GC_K.i
Smp Info : LCS-1380295
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 103   QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	2 Trifluorotoluene	10.533	10.550	-0.017	117975	32.8455	32.8455 (M)
S	3 GRO - C6 to C10	6.470-22.423			315624	113.528	113.528 (M)
	4 1-Chloro-4-Fluorobenzene	15.343	15.356	-0.013	107673	31.1388	31.1388 (M)
$	1 Chlorobenzene	15.680	15.690	-0.010	132506	31.0742	31.0742 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 103F0301.D

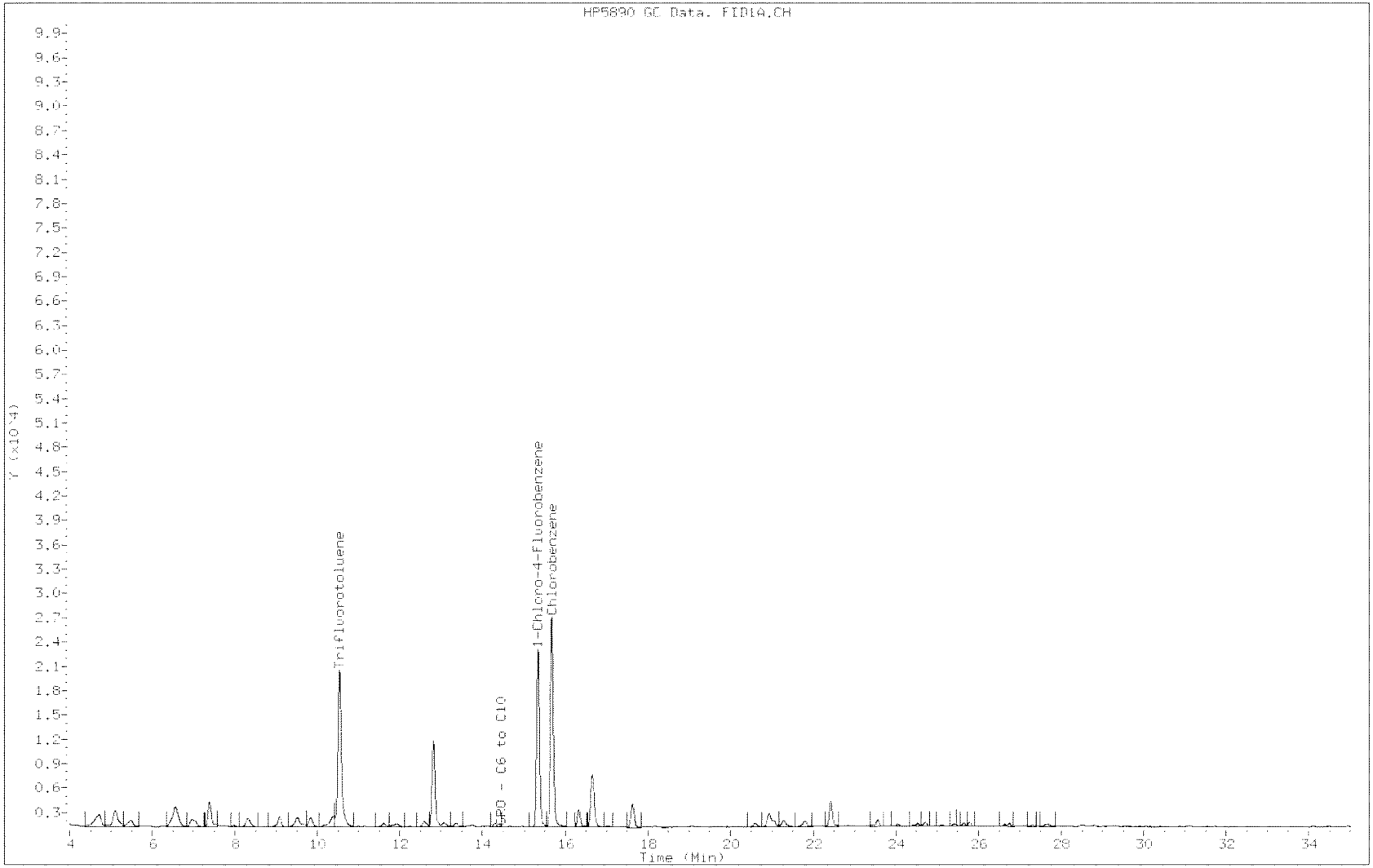
Date: 01-MAY-2012 13:33

Client ID:

Instrument: GC_K.i

Sample Info: LCS-1380295

Operator: AMB



Manual Integration Report

Data File: 103F0301.D
Inj. Date and Time: 01-MAY-2012 13:33
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

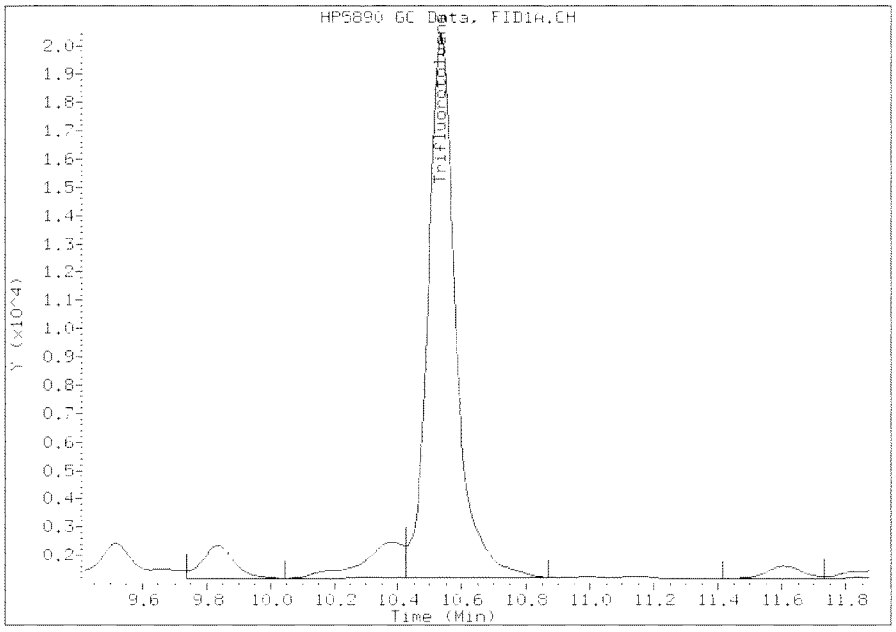
Processing Integration Results

RT: 10.53

Response: 116483

Amount: 32.43

Conc: 32.43



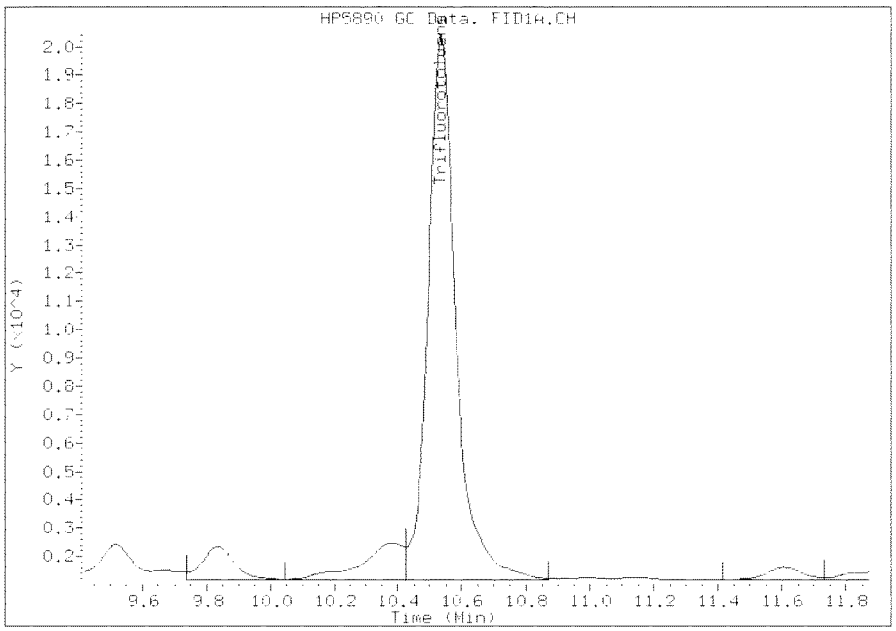
Manual Integration Results

RT: 10.53

Response: 117975

Amount: 32.85

Conc: 32.85



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 103F0301.D
Inj. Date and Time: 01-MAY-2012 13:33
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

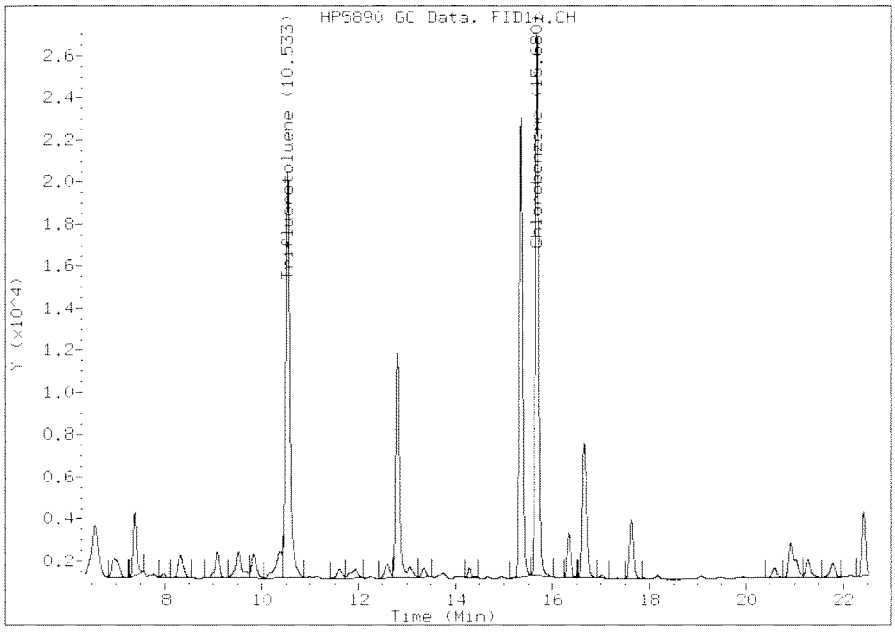
Processing Integration Results

RT: 14.45

Response: 289737

Amount: 104.49

Conc: 104.49



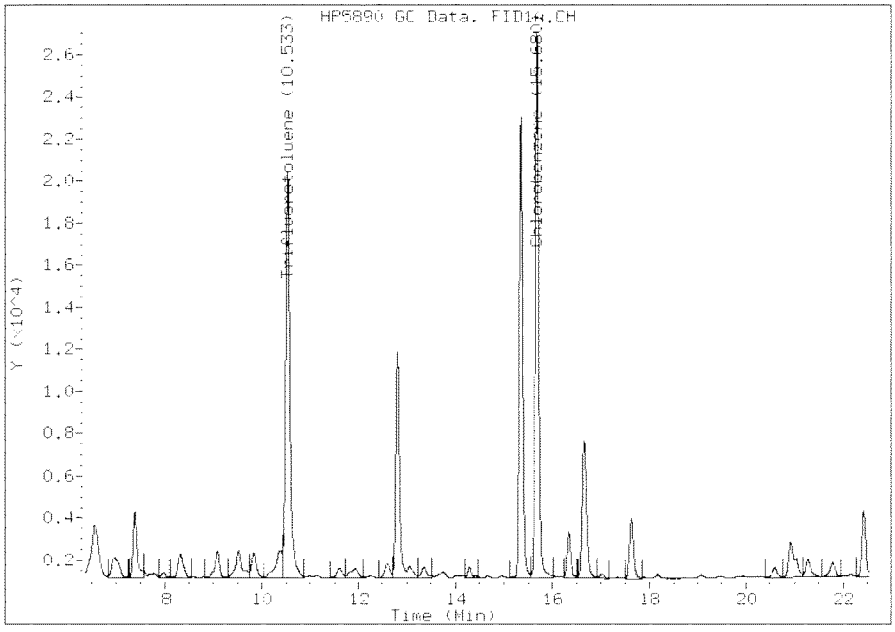
Manual Integration Results

RT: 14.45

Response: 315624

Amount: 113.53

Conc: 113.53



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCSD 280-117506/4
Matrix:	Water	Lab File ID:	114F0401.D
Analysis Method:	8015B	Date Collected:	
Sample wt/vol:	5(mL)	Date Analyzed:	04/27/2012 13:08
Soil Aliquot Vol:		Dilution Factor:	1
Soil Extract Vol.:		GC Column:	RTX 502.2 (105) ID: 0.53(mm)
% Moisture:		Level: (low/med)	Low
Analysis Batch No.:	117506	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	111		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	94		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\114F0401.D
Lab Smp Id: LCSD-1380295
Inj Date : 27-APR-2012 13:08
Operator : AMB   Inst ID: GC_B.i
Smp Info : LCSD-1380295
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 114   QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	1 Trifluorotoluene	7.850	7.850	0.000	279234	28.1295	28.1294
S	2 GRO - C6 to C10	4.413-13.840			676181	110.505	110.505 (M)
	4 1-Chloro-4-Fluorobenzene	11.260	11.260	0.000	278704	29.3304	29.3304 (M)
$	5 Chlorobenzene	11.470	11.470	0.000	359552	31.2869	31.2868 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 114F0401.D

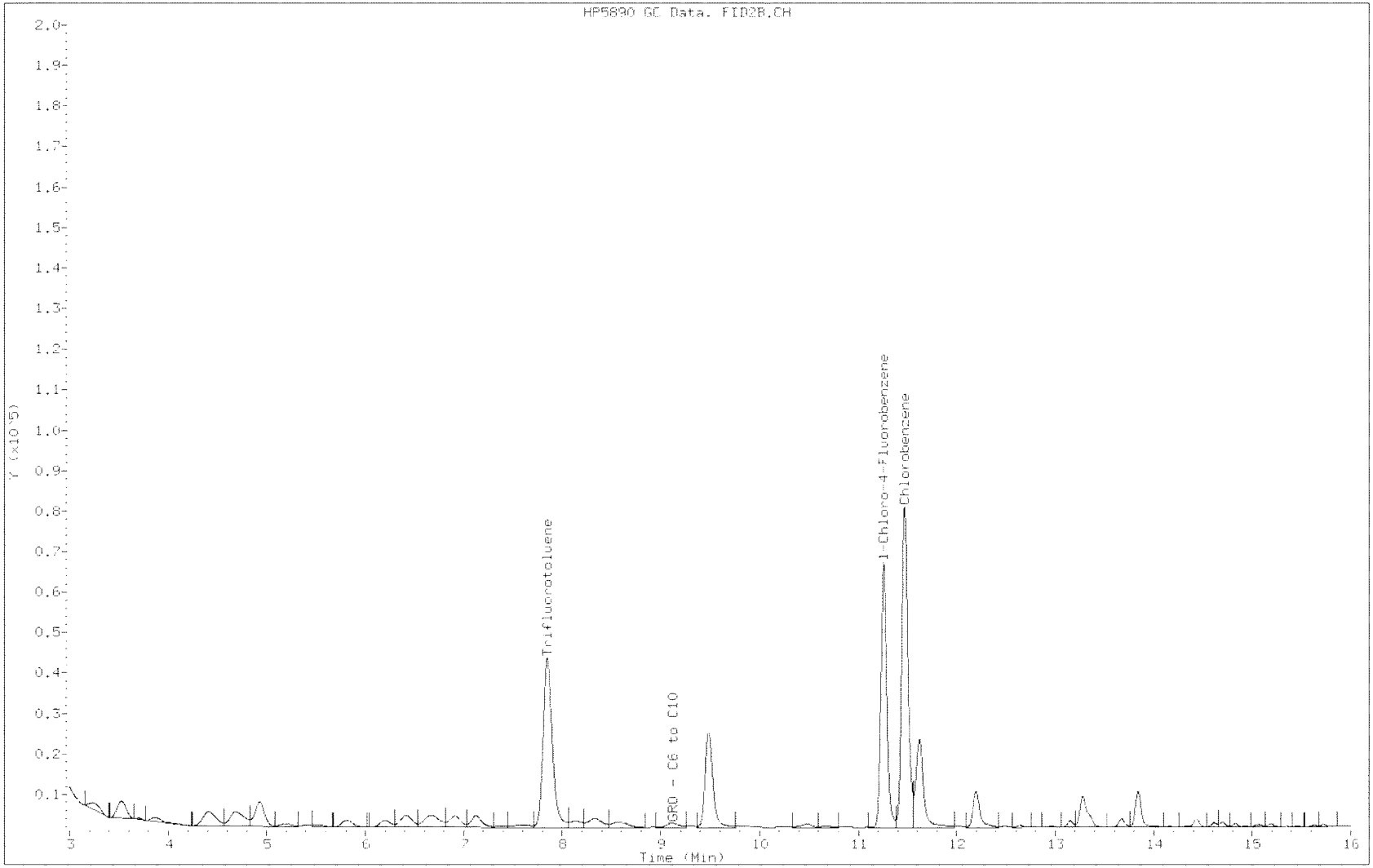
Date: 27-APR-2012 13:08

Client ID:

Instrument: GC_B.i

Sample Info: LCSD-1380295

Operator: AMB



Manual Integration Report

Data File: 114F0401.D
Inj. Date and Time: 27-APR-2012 13:08
Instrument ID: GC_B.i
Client ID:
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

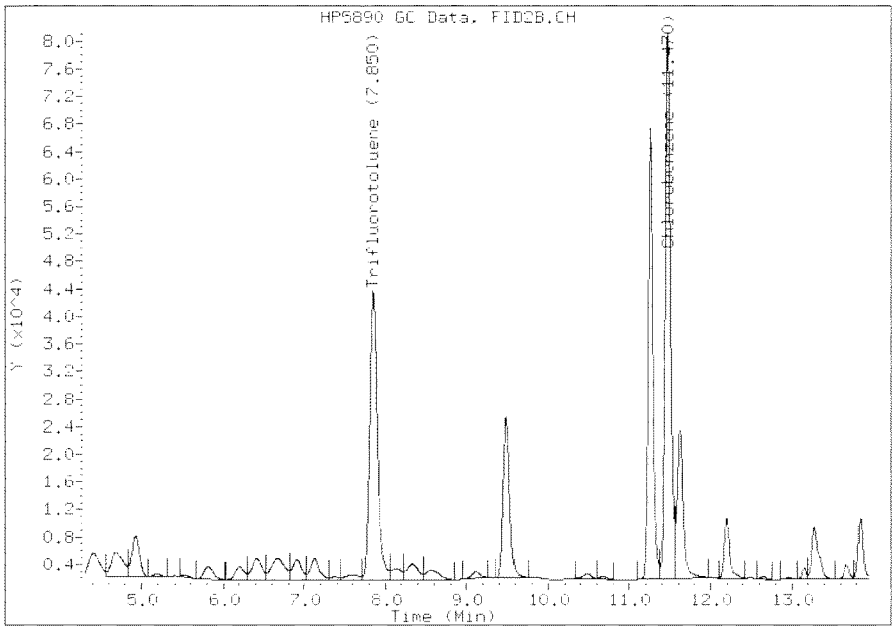
Processing Integration Results

RT: 9.13

Response: 640582

Amount: 104.90

Conc: 104.90



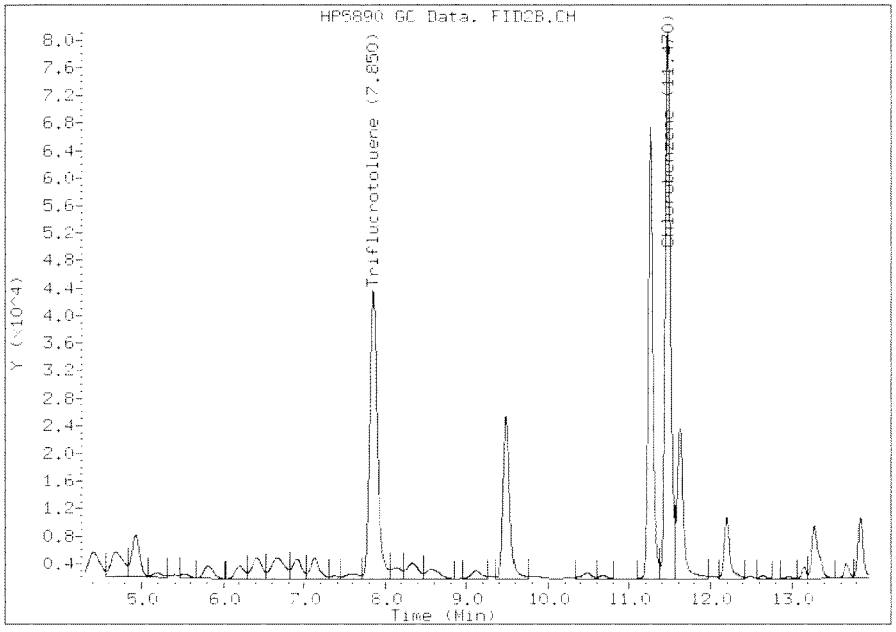
Manual Integration Results

RT: 9.13

Response: 676181

Amount: 110.50

Conc: 110.50



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCSD 280-117914/4
Matrix:	Water	Lab File ID:	104F0401.D
Analysis Method:	8015B	Date Collected:	
Sample wt/vol:	5(mL)	Date Analyzed:	05/01/2012 14:15
Soil Aliquot Vol:		Dilution Factor:	1
Soil Extract Vol.:		GC Column:	RTX 502.2 (60) ID: 0.53(mm)
% Moisture:		Level: (low/med)	Low
Analysis Batch No.:	117914	Units:	ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	102		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	109		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\104F0401.D
Lab Smp Id: LCSD-1380295
Inj Date : 01-MAY-2012 14:15
Operator : AMB   Inst ID: GC_K.i
Smp Info : LCSD-1380295
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 104   QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 2 Trifluorotoluene	10.543	10.550	-0.007	116931	32.5537	32.5536(M)
S 3 GRO - C6 to C10	6.470-22.423			282188	101.857	101.856(M)
4 1-Chloro-4-Fluorobenzene	15.350	15.356	-0.006	107606	31.1196	31.1196(M)
$ 1 Chlorobenzene	15.683	15.690	-0.007	132267	31.0189	31.0189(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 104F0401.D

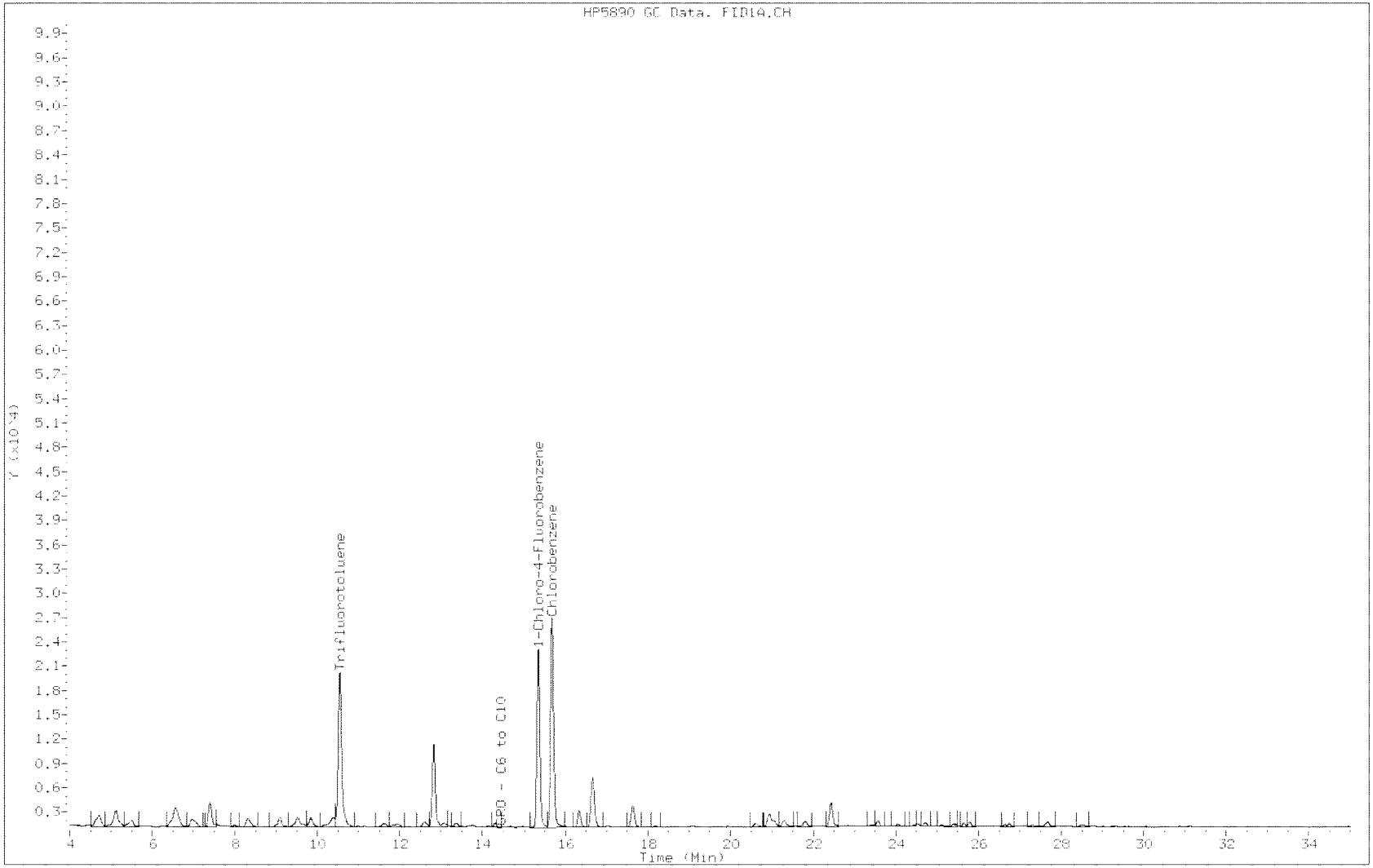
Date: 01-MAY-2012 14:15

Client ID:

Instrument: GC_K.i

Sample Info: LCSD-1380295

Operator: AMB



Manual Integration Report

Data File: 104F0401.D
Inj. Date and Time: 01-MAY-2012 14:15
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

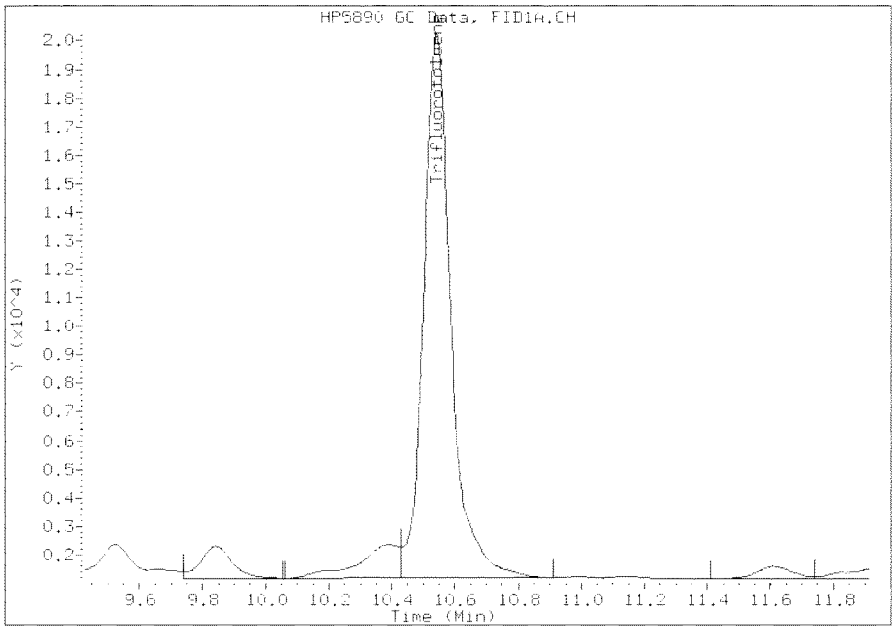
Processing Integration Results

RT: 10.54

Response: 115357

Amount: 32.11

Conc: 32.11



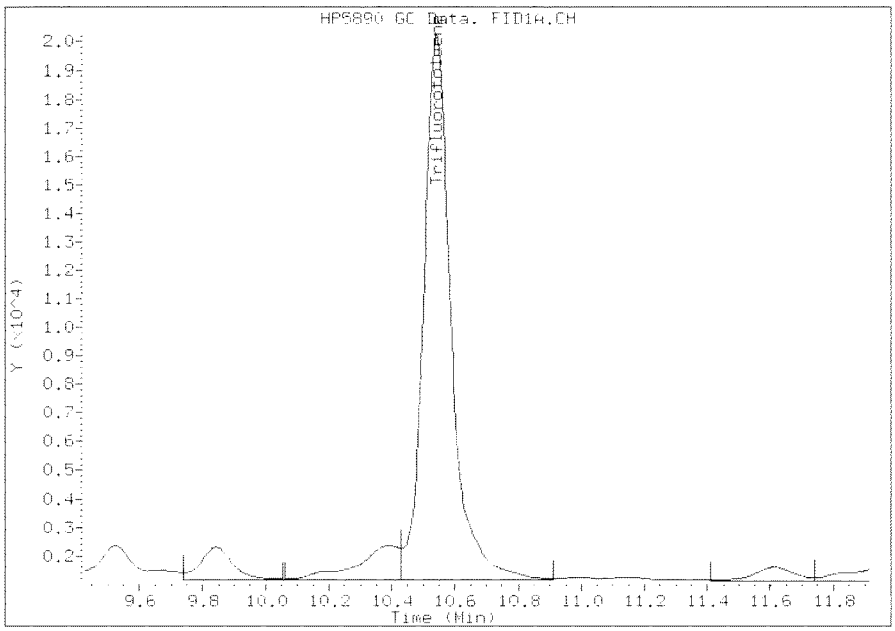
Manual Integration Results

RT: 10.54

Response: 116931

Amount: 32.55

Conc: 32.55



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 104F0401.D
Inj. Date and Time: 01-MAY-2012 14:15
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

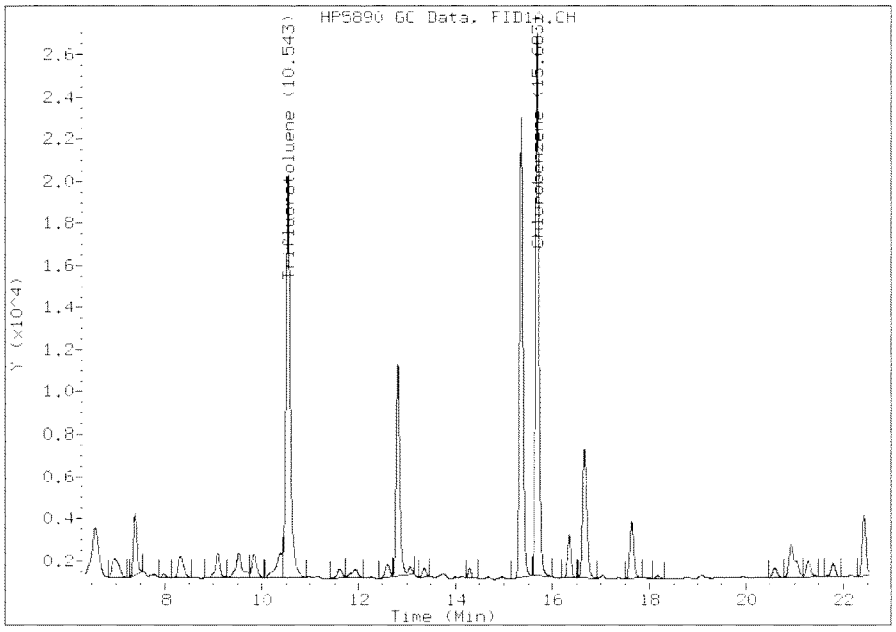
Processing Integration Results

RT: 14.45

Response: 256474

Amount: 92.88

Conc: 92.88



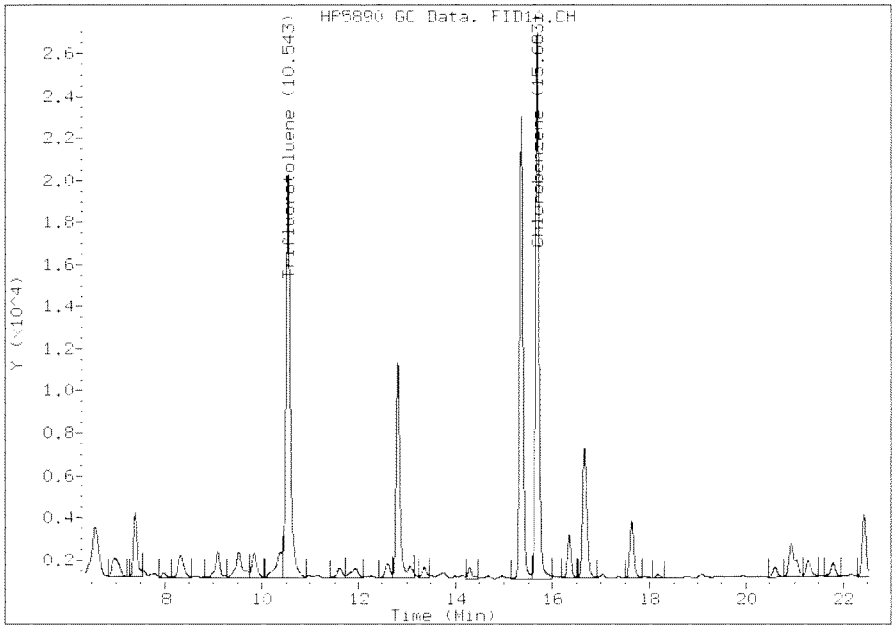
Manual Integration Results

RT: 14.45

Response: 282188

Amount: 101.86

Conc: 101.86



Manually Integrated By: mooret
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-A-12 MS

Matrix: Water | Lab File ID: 202F0801.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 2.5(mL) | Date Analyzed: 04/27/2012 16:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (105) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	1290		50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	0	X	82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\202F0801.D
Lab Smp Id: 280-28131-DD-4MS
Inj Date : 27-APR-2012 16:15
Operator : AMB   Inst ID: GC_B.i
Smp Info : 280-28131-DD-4MS
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 202   QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	2.500	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	1 Trifluorotoluene	Compound Not Detected.					
S	2 GRO - C6 to C10	4.413-13.840			4080763	646.886	1293.77 (RM)
	4 1-Chloro-4-Fluorobenzene	11.263	11.260	0.003	266779	28.0801	56.1602 (M)
$	5 Chlorobenzene	11.476	11.470	0.006	348018	30.2874	60.5748 (M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 202F0801.D

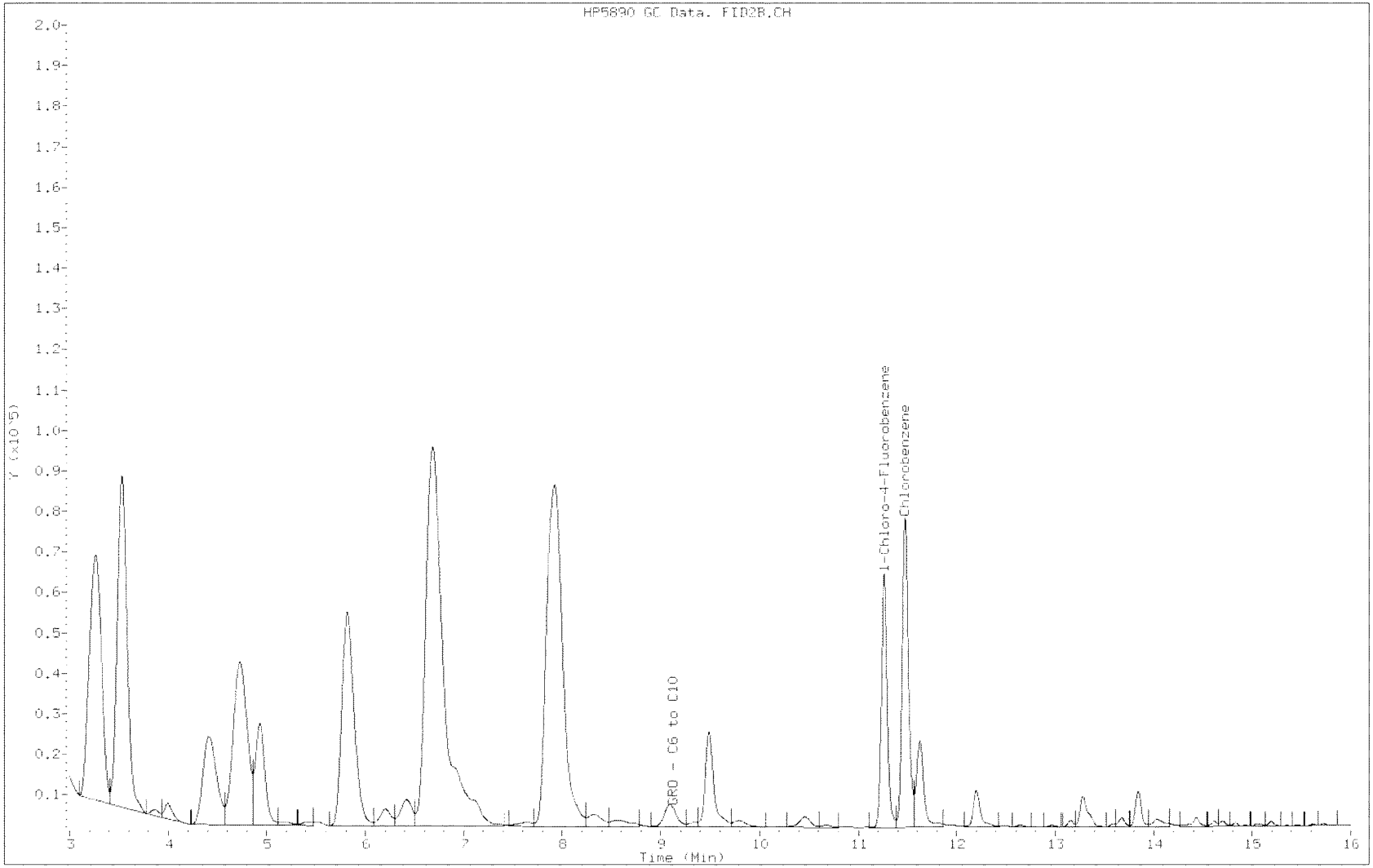
Date: 27-APR-2012 16:15

Client ID:

Instrument: GC_B.i

Sample Info: 280-28131-DD-4MS

Operator: AMB



Manual Integration Report

Data File: 202F0801.D
Inj. Date and Time: 27-APR-2012 16:15
Instrument ID: GC_B.i
Client ID:
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

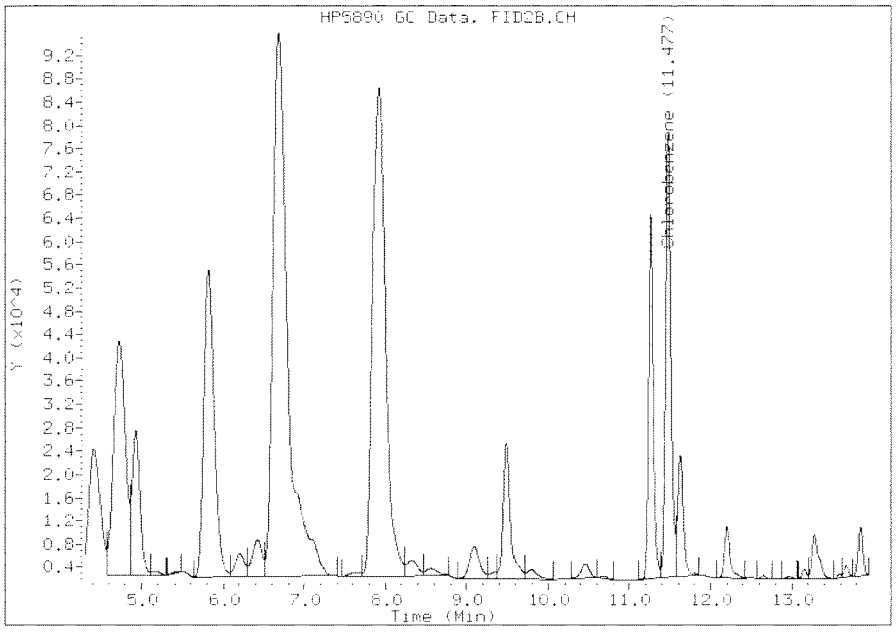
Processing Integration Results

RT: 9.13

Response: 3972899

Amount: 629.89

Conc: 1259.78



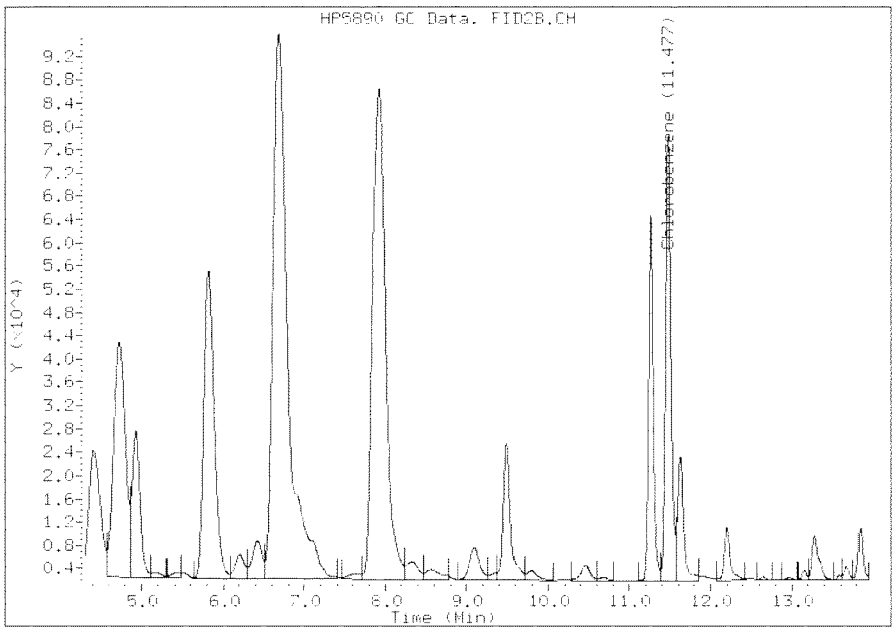
Manual Integration Results

RT: 9.13

Response: 4080763

Amount: 646.89

Conc: 1293.77



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BN-4 MS

Matrix: Water | Lab File ID: 107F0701.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 2.5(mL) | Date Analyzed: 05/01/2012 17:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (60) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117914 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	935		50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	105		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\107F0701.D
Lab Smp Id: 280-28131-BN-4MS
Inj Date : 01-MAY-2012 17:06
Operator : AMB   Inst ID: GC_K.i
Smp Info : 280-28131-BN-4MS
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 107   QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	2.500	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 2 Trifluorotoluene	10.543	10.550	-0.007	113391	31.5640	63.1281(M)
S 3 GRO - C6 to C10	6.470-22.423			1330171	467.687	935.373(RM)
4 1-Chloro-4-Fluorobenzene	15.350	15.356	-0.006	102052	29.5264	59.0528(M)
$ 1 Chlorobenzene	15.686	15.690	-0.004	131111	30.7511	61.5022(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 107F0701.D

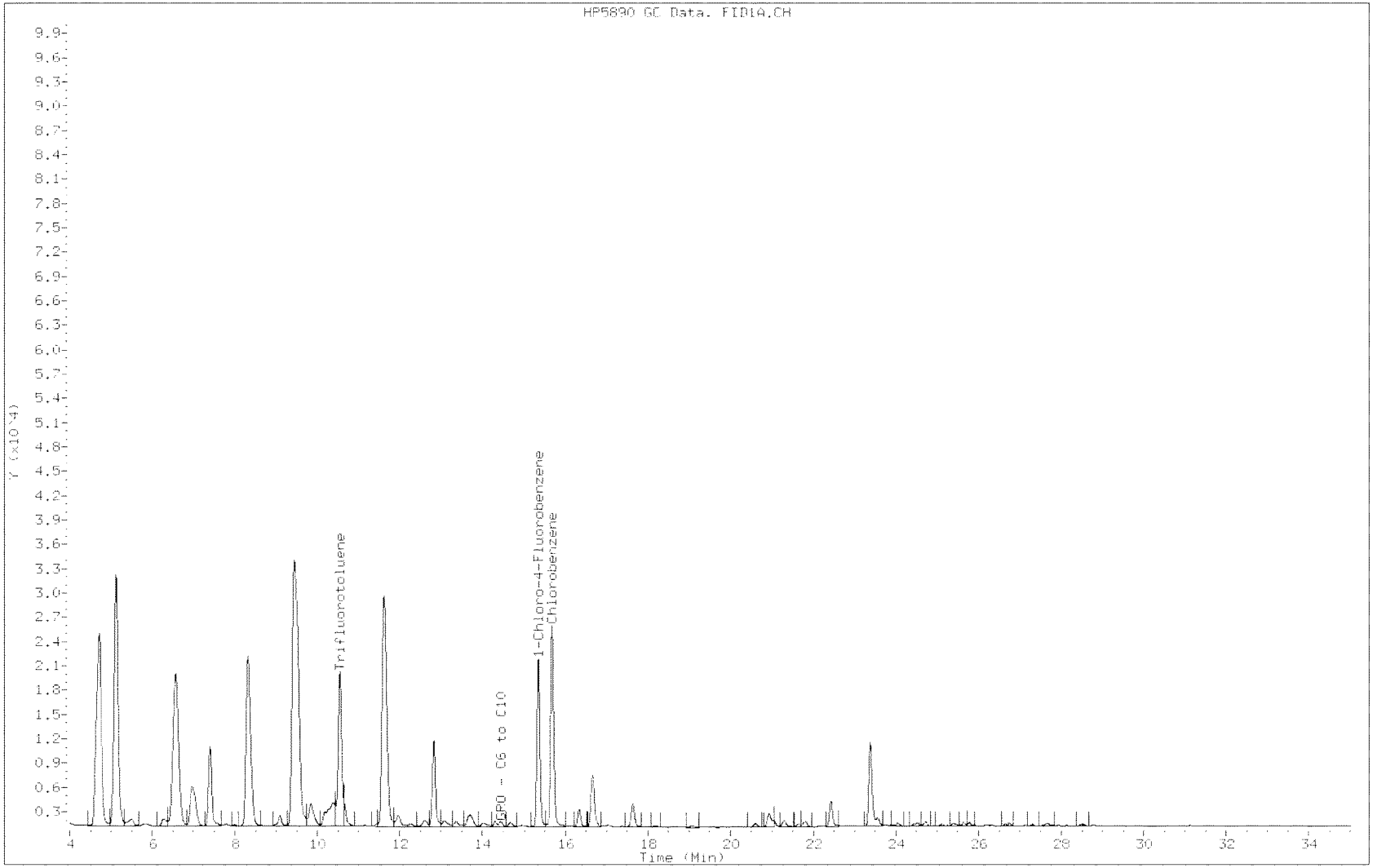
Date: 01-MAY-2012 17:06

Client ID:

Instrument: GC_K.i

Sample Info: 280-28131-BN-4MS

Operator: AMB



Manual Integration Report

Data File: 107F0701.D
Inj. Date and Time: 01-MAY-2012 17:06
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

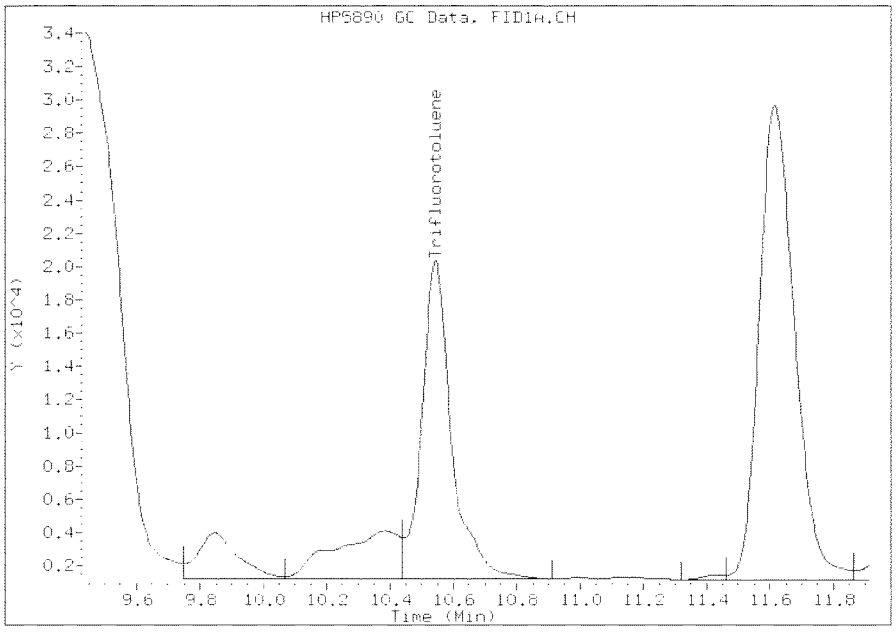
Processing Integration Results

RT: 10.54

Response: 123931

Amount: 34.51

Conc: 69.02



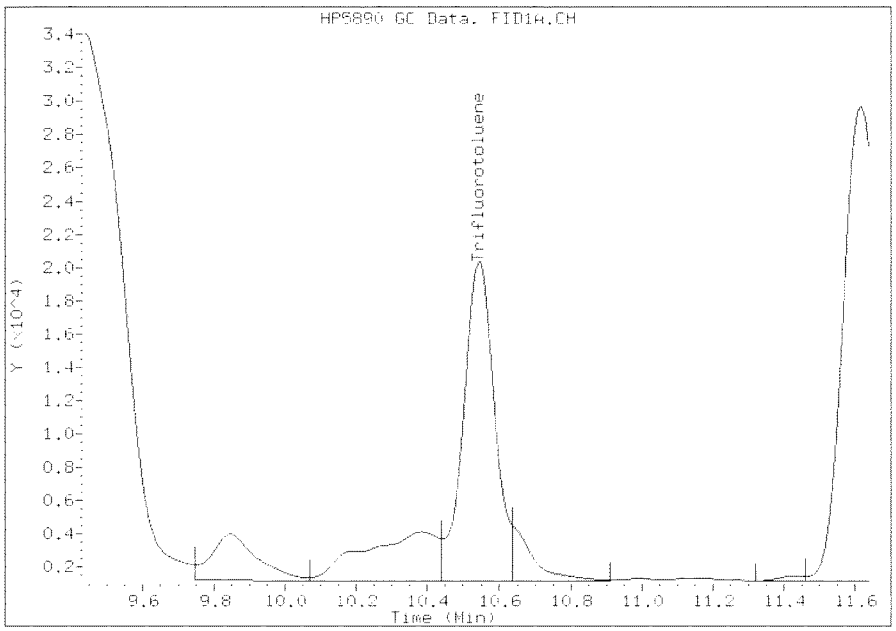
Manual Integration Results

RT: 10.54

Response: 113391

Amount: 31.56

Conc: 63.13



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 107F0701.D
Inj. Date and Time: 01-MAY-2012 17:06
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

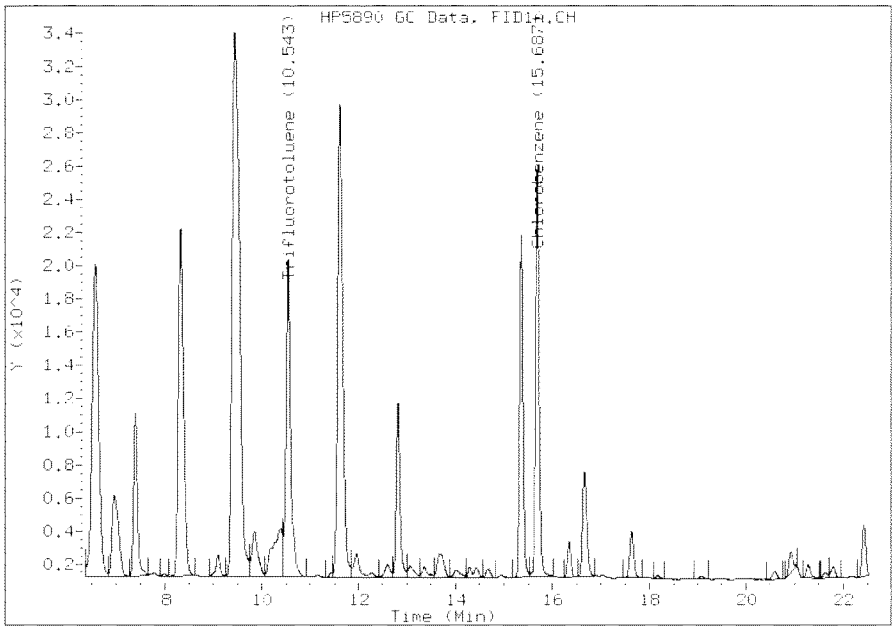
Processing Integration Results

RT: 14.45

Response: 1289334

Amount: 453.43

Conc: 906.86



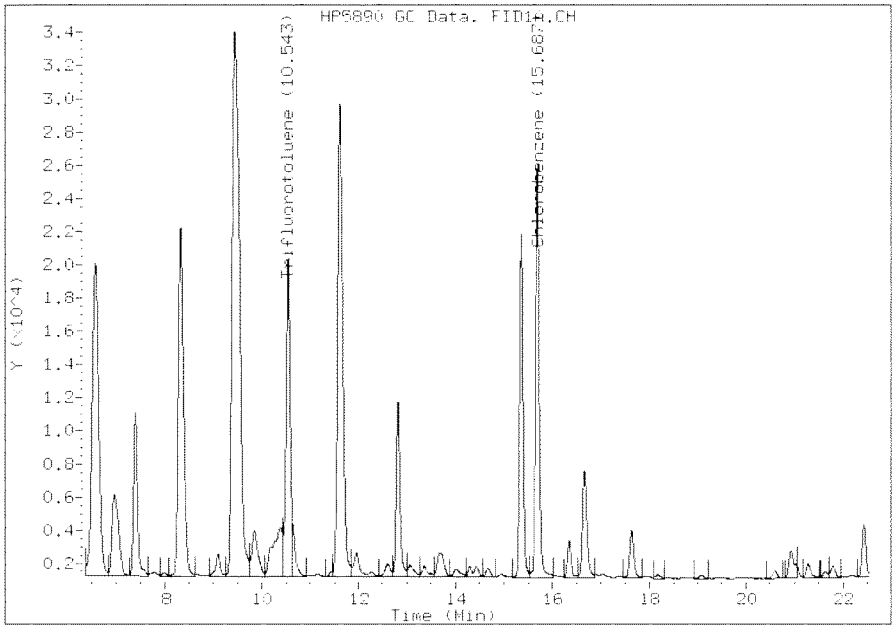
Manual Integration Results

RT: 14.45

Response: 1330171

Amount: 467.69

Conc: 935.37



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-A-12 MSD

Matrix: Water | Lab File ID: 203F0901.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 2.5(mL) | Date Analyzed: 04/27/2012 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (105) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	1210		50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	0	X	82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\203F0901.D
Lab Smp Id: 280-28131-DD-4MSD
Inj Date : 27-APR-2012 16:47
Operator : AMB   Inst ID: GC_B.i
Smp Info : 280-28131-DD-4MSD
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_B.i\0427121.B\8015.m
Meth Date : 27-Apr-2012 10:58 byla   Quant Type: ESTD
Cal Date : 14-MAR-2012 13:49   Cal File: 206F0801.D
Als bottle: 203   QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Default Sample Volume
Vo	2.500	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 1	Trifluorotoluene	Compound Not Detected.					
S 2	GRO - C6 to C10	4.413-13.840			3814787	604.982	1209.96(RM)
4	1-Chloro-4-Fluorobenzene	11.266	11.260	0.006	269789	28.3957	56.7913(M)
$ 5	Chlorobenzene	11.476	11.470	0.006	351346	30.5758	61.1515(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 203F0901.D

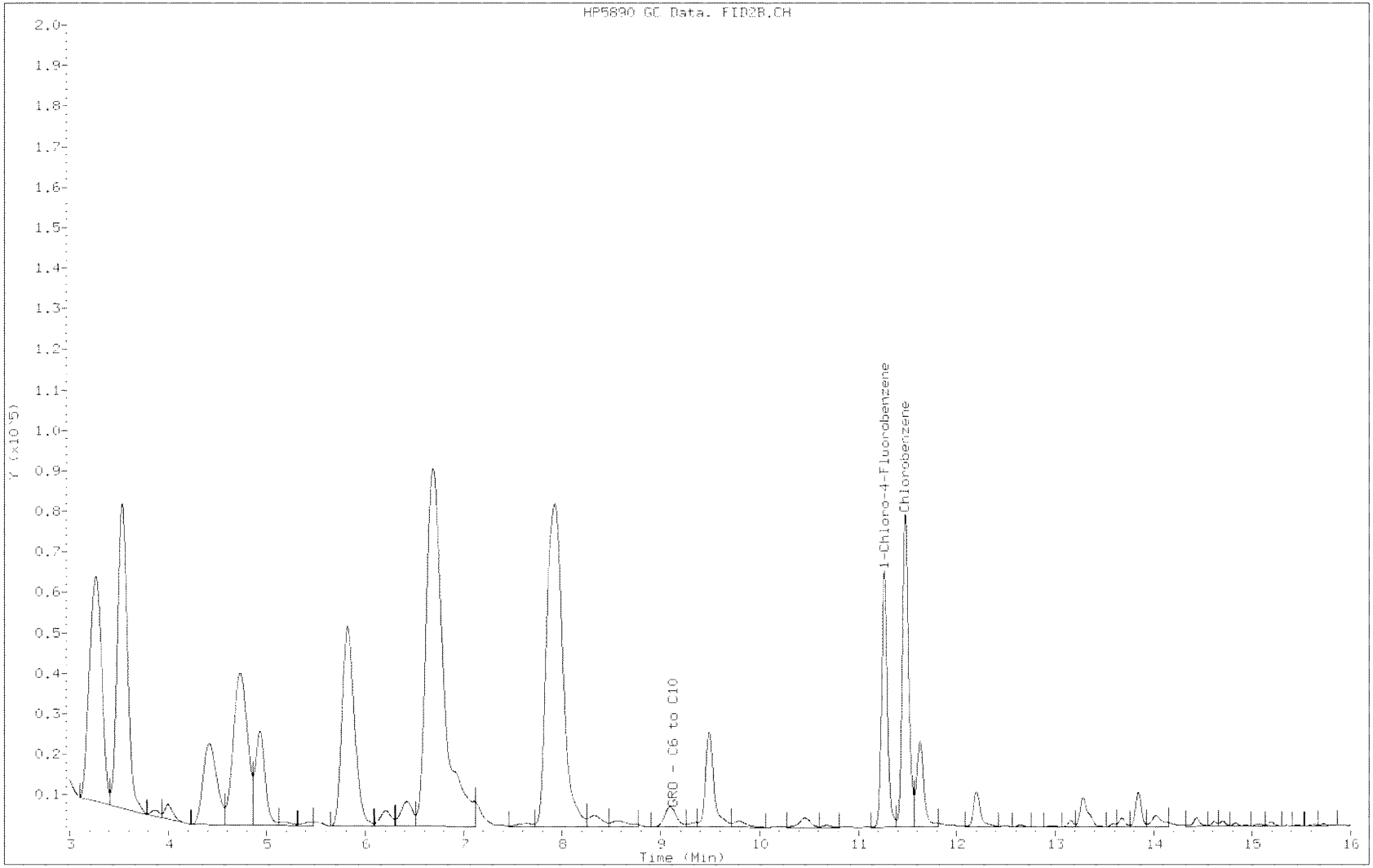
Date: 27-APR-2012 16:47

Client ID:

Instrument: GC_B.i

Sample Info: 280-28131-DD-4MSD

Operator: AMB



Manual Integration Report

Data File: 203F0901.D
Inj. Date and Time: 27-APR-2012 16:47
Instrument ID: GC_B.i
Client ID:
Compound: 2 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 04/30/2012

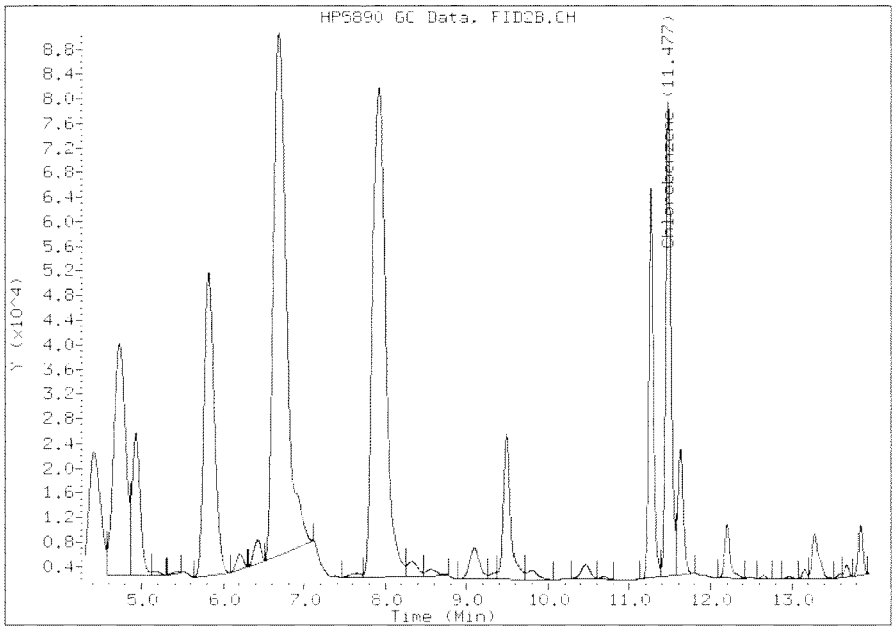
Processing Integration Results

RT: 9.13

Response: 3523547

Amount: 559.10

Conc: 1118.20



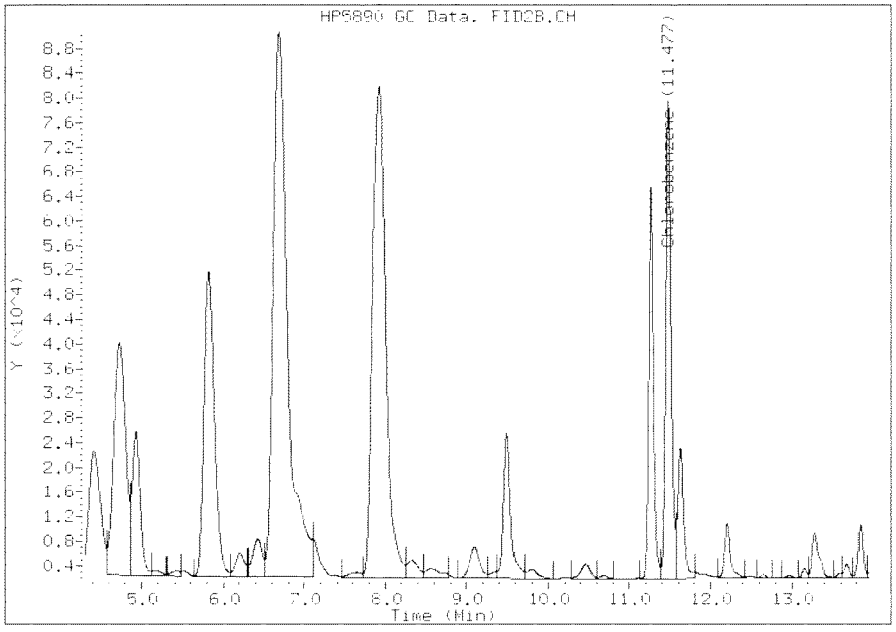
Manual Integration Results

RT: 9.13

Response: 3814787

Amount: 604.98

Conc: 1209.96



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BN-4 MSD

Matrix: Water | Lab File ID: 108F0801.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 2.5(mL) | Date Analyzed: 05/01/2012 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX 502.2 (60) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117914 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	1020		50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	102		82-110

TestAmerica

Method 8015 GRO

Data file : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\108F0801.D
Lab Smp Id: 280-28131-BN-4MSD
Inj Date : 01-MAY-2012 17:49
Operator : AMB   Inst ID: GC_K.i
Smp Info : 280-28131-BN-4MSD
Misc Info : Method 8015
Comment   : 8015 GRO
Method   : \\DenSvr03\Public\chem\GCV\GC_K.i\0501121.B\8015.m
Meth Date : 01-May-2012 13:12 mooret   Quant Type: ESTD
Cal Date : 11-APR-2012 19:01   Cal File: 202F0801.D
Als bottle: 108   QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: GRO.A.01.sub
Target Version: 4.14
Processing Host: DENPC382

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	2.500	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	2 Trifluorotoluene	10.543	10.550	-0.007	110211	30.6751	61.3501(M)
S	3 GRO - C6 to C10	6.470-22.423			1457786	512.234	1024.47(RM)
	4 1-Chloro-4-Fluorobenzene	15.350	15.356	-0.006	102414	29.6303	59.2605(M)
$	1 Chlorobenzene	15.683	15.690	-0.007	131793	30.9091	61.8182(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 108F0801.D

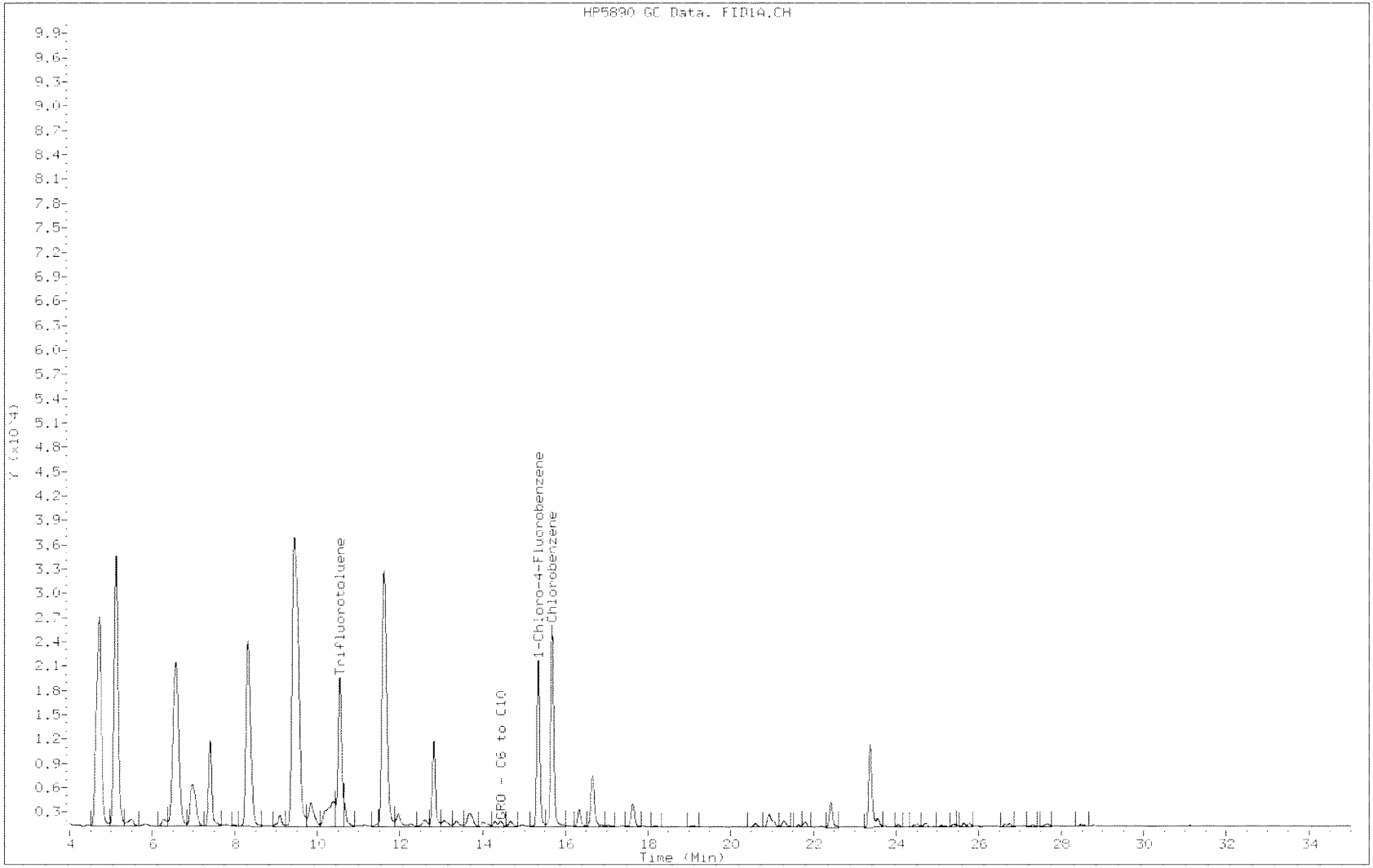
Date: 01-MAY-2012 17:49

Client ID:

Instrument: GC_K.i

Sample Info: 280-28131-BN-4MSD

Operator: AMB



Manual Integration Report

Data File: 108F0801.D
Inj. Date and Time: 01-MAY-2012 17:49
Instrument ID: GC_K.i
Client ID:
Compound: 2 Trifluorotoluene
CAS #: 98-08-8
Report Date: 05/02/2012

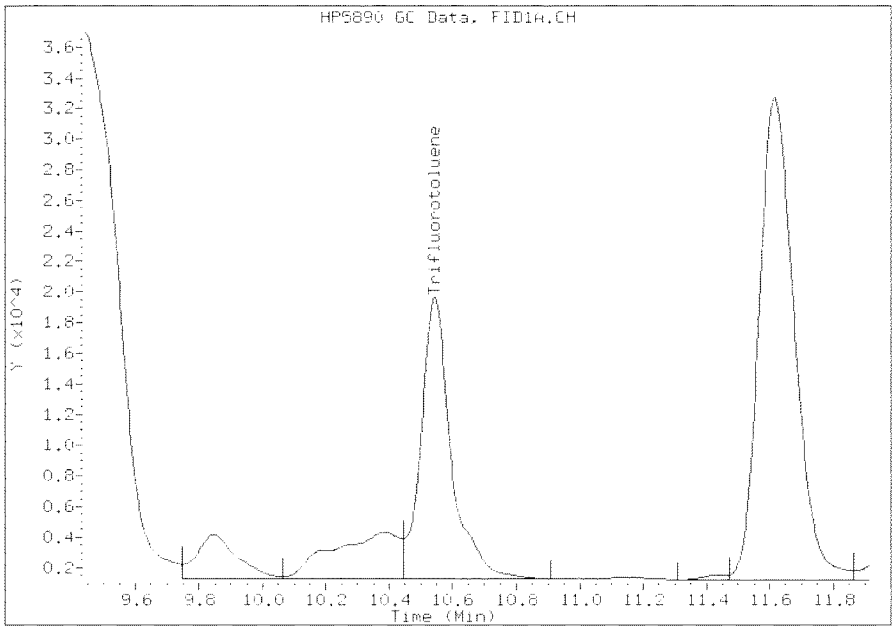
Processing Integration Results

RT: 10.54

Response: 121184

Amount: 33.74

Conc: 67.49



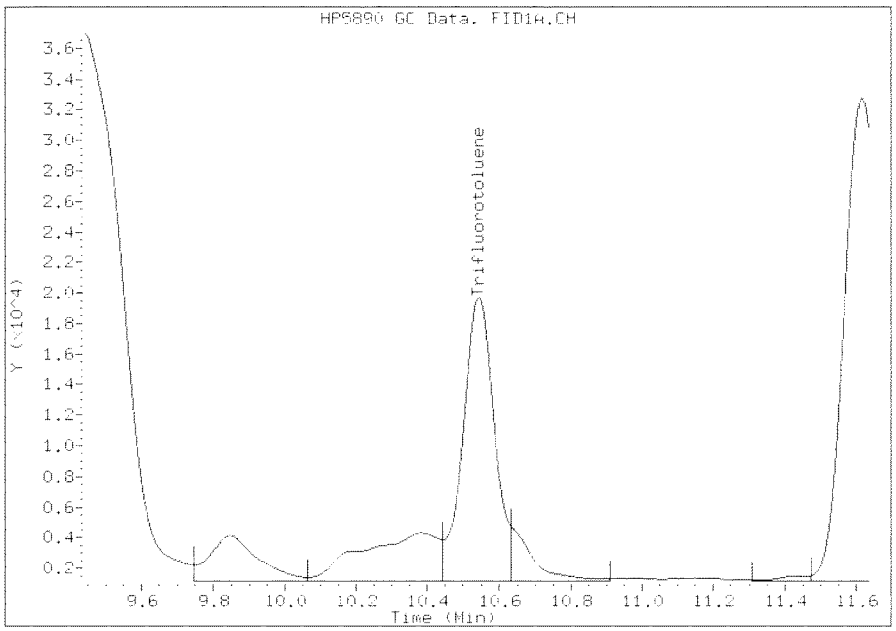
Manual Integration Results

RT: 10.54

Response: 110211

Amount: 30.68

Conc: 61.35



Manually Integrated By: byla
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 108F0801.D
Inj. Date and Time: 01-MAY-2012 17:49
Instrument ID: GC_K.i
Client ID:
Compound: 3 GRO - C6 to C10
CAS #: 8006-61-9
Report Date: 05/02/2012

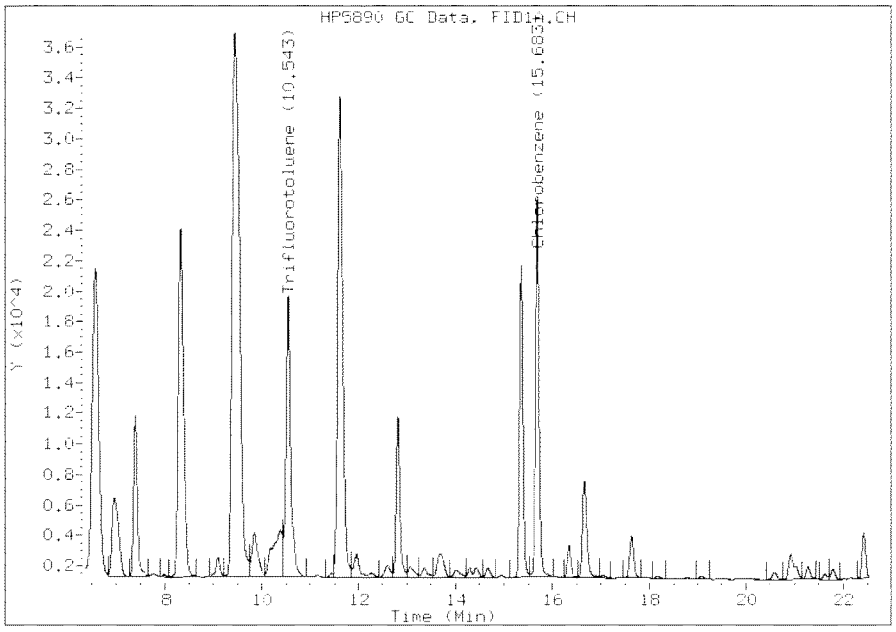
Processing Integration Results

RT: 14.45

Response: 1403326

Amount: 493.22

Conc: 986.45



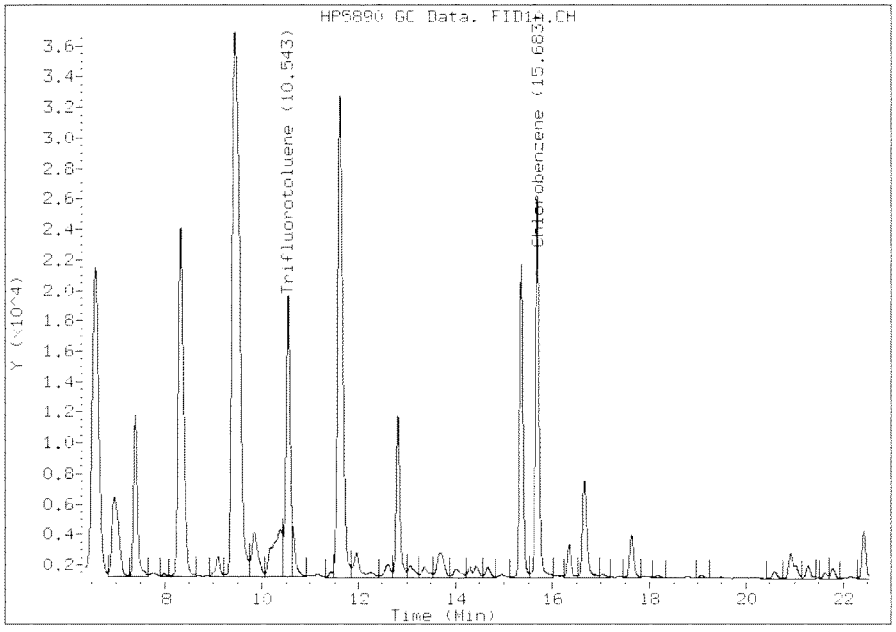
Manual Integration Results

RT: 14.45

Response: 1457786

Amount: 512.23

Conc: 1024.47



Manually Integrated By: byla
Manual Integration Reason: Baseline Event

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_B Start Date: 03/14/2012 08:16

Analysis Batch Number: 112259 End Date: 03/14/2012 14:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/14/2012 08:16	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		03/14/2012 08:48	1		RTX 502.2 (105) 0.53(mm)
IC 280-112259/3		03/14/2012 09:46	1	116F0301.D	RTX 502.2 (105) 0.53(mm)
IC 280-112259/4		03/14/2012 10:19	1	202F0401.D	RTX 502.2 (105) 0.53(mm)
ICRT 280-112259/5		03/14/2012 12:03	1	203F0501.D	RTX 502.2 (105) 0.53(mm)
IC 280-112259/6		03/14/2012 12:34	1	204F0601.D	RTX 502.2 (105) 0.53(mm)
IC 280-112259/7		03/14/2012 13:17	1	205F0701.D	RTX 502.2 (105) 0.53(mm)
IC 280-112259/8		03/14/2012 13:49	1	206F0801.D	RTX 502.2 (105) 0.53(mm)
ICV 280-112259/9		03/14/2012 14:26	1	207F0901.D	RTX 502.2 (105) 0.53(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_B Start Date: 04/27/2012 09:50

Analysis Batch Number: 117506 End Date: 04/27/2012 22:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/27/2012 09:50	1		RTX 502.2 (105) 0.53(mm)
CCVRT 280-117506/2		04/27/2012 10:22	1	112F0201.D	RTX 502.2 (105) 0.53(mm)
LCS 280-117506/3		04/27/2012 12:36	1	113F0301.D	RTX 502.2 (105) 0.53(mm)
LCSD 280-117506/4		04/27/2012 13:08	1	114F0401.D	RTX 502.2 (105) 0.53(mm)
MB 280-117506/5		04/27/2012 13:40	1	115F0501.D	RTX 502.2 (105) 0.53(mm)
280-28076-2	MW02 (UNPRESERVED)	04/27/2012 15:10	1	116F0601.D	RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 15:43	1		RTX 502.2 (105) 0.53(mm)
280-28131-A-12 MS		04/27/2012 16:15	1	202F0801.D	RTX 502.2 (105) 0.53(mm)
280-28131-A-12 MSD		04/27/2012 16:47	1	203F0901.D	RTX 502.2 (105) 0.53(mm)
CCV 280-117506/10		04/27/2012 17:20	1	204F1001.D	RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 17:52	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 18:24	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 18:56	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 19:28	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 20:00	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 21:04	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 21:36	1		RTX 502.2 (105) 0.53(mm)
ZZZZZ		04/27/2012 22:09	1		RTX 502.2 (105) 0.53(mm)
CCV 280-117506/19		04/27/2012 22:41	1		RTX 502.2 (105) 0.53(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Start Date: 04/11/2012 14:02

Analysis Batch Number: 115193 End Date: 04/11/2012 19:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/11/2012 14:02	1		RTX 502.2 (60) 0.53(mm)
ZZZZZ		04/11/2012 14:44	1		RTX 502.2 (60) 0.53(mm)
IC 280-115193/3		04/11/2012 15:28	1	113F0301.D	RTX 502.2 (60) 0.53(mm)
IC 280-115193/4		04/11/2012 16:10	1	114F0401.D	RTX 502.2 (60) 0.53(mm)
ICRT 280-115193/5		04/11/2012 16:53	1	115F0501.D	RTX 502.2 (60) 0.53(mm)
IC 280-115193/6		04/11/2012 17:36	1	116F0601.D	RTX 502.2 (60) 0.53(mm)
IC 280-115193/7		04/11/2012 18:18	1	201F0701.D	RTX 502.2 (60) 0.53(mm)
IC 280-115193/8		04/11/2012 19:01	1	202F0801.D	RTX 502.2 (60) 0.53(mm)
ICV 280-115193/9		04/11/2012 19:43	1	203F0901.D	RTX 502.2 (60) 0.53(mm)

8015B

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_K Start Date: 05/01/2012 11:44

Analysis Batch Number: 117914 End Date: 05/01/2012 22:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/01/2012 11:44	1		RTX 502.2 (60) 0.53(mm)
CCVRT 280-117914/2		05/01/2012 12:27	1	102F0201.D	RTX 502.2 (60) 0.53(mm)
LCS 280-117914/3		05/01/2012 13:33	1	103F0301.D	RTX 502.2 (60) 0.53(mm)
LCSD 280-117914/4		05/01/2012 14:15	1	104F0401.D	RTX 502.2 (60) 0.53(mm)
MB 280-117914/5		05/01/2012 14:57	1	105F0501.D	RTX 502.2 (60) 0.53(mm)
ZZZZZ		05/01/2012 16:24	1		RTX 502.2 (60) 0.53(mm)
280-28131-BN-4 MS		05/01/2012 17:06	1	107F0701.D	RTX 502.2 (60) 0.53(mm)
280-28131-BN-4 MSD		05/01/2012 17:49	1	108F0801.D	RTX 502.2 (60) 0.53(mm)
280-28076-1	MW02	05/01/2012 18:31	1	109F0901.D	RTX 502.2 (60) 0.53(mm)
ZZZZZ		05/01/2012 19:14	1		RTX 502.2 (60) 0.53(mm)
ZZZZZ		05/01/2012 19:56	1		RTX 502.2 (60) 0.53(mm)
ZZZZZ		05/01/2012 20:39	1		RTX 502.2 (60) 0.53(mm)
ZZZZZ		05/01/2012 21:21	1		RTX 502.2 (60) 0.53(mm)
CCV 280-117914/14		05/01/2012 22:03	1	114F1401.D	RTX 502.2 (60) 0.53(mm)

Method RSK-175

Dissolved Gases (GC) by Method RSK_175

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rt-Alumina ID: 0.53

Client Sample ID	Lab Sample ID	TFE1 #
MW02	280-28076-1	85
MW02	280-28076-1	89
	MB 180-34676/2	86
	LCS 180-34676/3	95
	LCSD 180-34676/4	92
	280-28131-H-4 MS	85
	280-28131-B-12 MS	84
	280-28131-H-4 MSD	88
	280-28131-B-12 MSD	94

	QC LIMITS
TFE = 1,1,1-Trifluoroethane	40-150

Column to be used to flag recovery values

FORM II RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 003F0301.D

Lab ID: LCS 280-117933/2 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methane	73.2	67.1	92	75-125	
Methane	73.2	66.5	91	75-125	
Ethylene	128	119	93	75-125	
Ethylene	128	118	93	75-125	
Ethane	137	128	93	75-125	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 004F0401.D

Lab ID: LCSD 280-117933/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methane	73.2	68.8	94	2	20	75-125	
Methane	73.2	68.0	93	2	20	75-125	
Ethylene	128	121	95	2	20	75-125	
Ethylene	128	121	94	2	20	75-125	
Ethane	137	130	95	2	20	75-125	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 037F3801.D

Lab ID: 280-28131-BX-4 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methane	1320	28000	41000	1015	52-145	4 F
Methane	1320	27000	40500	999	52-145	4 F
Ethylene	2300	ND	2170	94	75-131	
Ethylene	2300	ND	2310	101	75-131	
Ethane	2470	3600	7780	170	75-125	F

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 038F3901.D

Lab ID: 280-28131-BX-4 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methane	1320	39200	881	4	20	52-145	4 F
Methane	1320	38800	869	4	20	52-145	4 F
Ethylene	2300	2020	88	7	20	75-131	
Ethylene	2300	2170	95	6	20	75-131	
Ethane	2470	7440	156	4	20	75-125	F

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04301205.D

Lab ID: LCS 180-34676/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Propane	151	140	93	40-150	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04301206.D

Lab ID: LCSD 180-34676/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Propane	151	134	89	4	20	40-150	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04301212.D

Lab ID: 280-28131-H-4 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Propane	151	1400	1350	-35	40-150	4

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04301231.D

Lab ID: 280-28131-B-12 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Propane	301	1300	1420	45	40-150	4

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04301213.D

Lab ID: 280-28131-H-4 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Propane	151	1400	-0.03	4	20	40-150	4

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04301232.D

Lab ID: 280-28131-B-12 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Propane	301	1680	130	17	20	40-150	4

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM I V
GC VOA METHOD BLANK SUMMARY

Lab Name: Test Ameri ca Denver Job No.: 280-28076-1

SDG No.:

Lab Sampl e I D: MB 280-117933/ 4

Mat ri x: Wat er Dat e Ext ract ed:

Lab Fi l e I D: (1) 005F0501. D Lab Fi l e I D: (2) 005F0501. D

Dat e Anal yzed: (1) 05/ 01/ 2012 12: 12 Dat e Anal yzed: (2) 05/ 01/ 2012 12: 12

I nst rument I D: (1) GCV_J I nst rument I D: (2) GCV_J

GC Col umn: (1) RT-VPLOT I D: 0. 32(mm) GC Col umn: (2) RT-3PLOT I D: 0. 32(mm)

THI S METHOD BLANK APPLI ES TO THE FOLLOWI NG SAMPLES:

CLI ENT SAMPLE I D	LAB SAMPLE I D	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-117933/ 2	05/ 01/ 2012 12: 03	05/ 01/ 2012 12: 03
	LCSD 280-117933/ 3	05/ 01/ 2012 12: 07	05/ 01/ 2012 12: 07
MW02	280-28076-1	05/ 01/ 2012 15: 52	05/ 01/ 2012 15: 52
	280-28131-W-3 DU	05/ 01/ 2012 16: 46	05/ 01/ 2012 16: 46
	280-28131-BX-4 MS	05/ 01/ 2012 16: 54	05/ 01/ 2012 16: 54
	280-28131-BX-4 MSD	05/ 01/ 2012 16: 59	05/ 01/ 2012 16: 59

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Lab Sample ID: MB 180-34676/2

Matrix: Water Date Extracted:

Lab File ID: (1) 04301204.D Lab File ID: (2)

Date Analyzed: (1) 04/30/2012 08:47 Date Analyzed: (2)

Instrument ID: (1) RSK Instrument ID: (2)

GC Column: (1) Rt-Alumina 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
	LCS 180-34676/3	04/30/2012 09:02	
	LCSD 180-34676/4	04/30/2012 09:16	
MW02	280-28076-1	04/30/2012 09:31	
	280-28131-H-4 MS	04/30/2012 10:43	
	280-28131-H-4 MSD	04/30/2012 10:57	
MW02	280-28076-1	04/30/2012 14:48	
	280-28131-B-12 MS	04/30/2012 15:17	
	280-28131-B-12 MSD	04/30/2012 15:32	

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 Lab Sample ID: 280-28076-1

Instrument ID (1): GCV_J Instrument ID (2): GCV_J

Date Analyzed (1): 05/01/2012 15:52 Date Analyzed (2): 05/01/2012 15:52

GC Column (1): RT-VPLOT ID: 0.32(mm) GC Column (2): RT-3PLOT ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methane	1		1.12	1.10	1.16	32000		0.9
	2		1.14	1.11	1.17	32000		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117933/2

Instrument ID (1): GCV_J | Instrument ID (2): GCV_J

Date Analyzed (1): 05/01/2012 12:03 | Date Analyzed (2): 05/01/2012 12:03

GC Column (1): RT-VPLOT ID: 0.32(mm) | GC Column (2): RT-3PLOT ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methane	1		1.13	1.10	1.16	67.1		1.0
	2		1.14	1.11	1.17	66.5		
Ethylene	1		1.33	1.30	1.36	119		0.3
	2		1.34	1.31	1.37	118		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117933/3

Instrument ID (1): GCV_J | Instrument ID (2): GCV_J

Date Analyzed (1): 05/01/2012 12:07 | Date Analyzed (2): 05/01/2012 12:07

GC Column (1): RT-VPLOT ID: 0.32(mm) | GC Column (2): RT-3PLOT ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methane	1		1.13	1.10	1.16	68.8		1.1
	2		1.15	1.11	1.17	68.0		
Ethylene	1		1.33	1.30	1.36	121		0.6
	2		1.34	1.31	1.37	121		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-W-3 DU

Instrument ID (1): GCV_J | Instrument ID (2): GCV_J

Date Analyzed (1): 05/01/2012 16:46 | Date Analyzed (2): 05/01/2012 16:46

GC Column (1): RT-VPLOT ID: 0.32(mm) | GC Column (2): RT-3PLOT ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methane	1		1.13	1.10	1.16	28200		0.8
	2		1.14	1.11	1.17	28000		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BX-4 MS

Instrument ID (1): GCV_J | Instrument ID (2): GCV_J

Date Analyzed (1): 05/01/2012 16:54 | Date Analyzed (2): 05/01/2012 16:54

GC Column (1): RT-VPLOT ID: 0.32(mm) | GC Column (2): RT-3PLOT ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methane	1		1.12	1.10	1.16	41000		1.0
	2		1.14	1.11	1.17	40500		
Ethylene	1		1.33	1.30	1.36	2170		6.6
	2		1.34	1.31	1.37	2310		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BX-4 MSD

Instrument ID (1): GCV_J | Instrument ID (2): GCV_J

Date Analyzed (1): 05/01/2012 16:59 | Date Analyzed (2): 05/01/2012 16:59

GC Column (1): RT-VPLOT ID: 0.32(mm) | GC Column (2): RT-3PLOT ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methane	1		1.12	1.10	1.16	39200		1.0
	2		1.14	1.11	1.17	38800		
Ethylene	1		1.33	1.30	1.36	2020		7.4
	2		1.34	1.31	1.37	2170		

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: 025F2601.D

Analysis Method: RSK-175 | Date Collected: 04/22/2012 15:45

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 15:52

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	32000		90	3.9
74-85-1	Ethylene	ND		90	7.2
74-84-0	Ethane	4900		90	10

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\025F2601.D
Lab Smp Id: 280-28076-AD-1 Client Smp ID: MW02
Inj Date : 01-MAY-2012 15:52
Operator : mps Inst ID: GC_J.i
Smp Info : 280-28076-AD-1,d
Misc Info : 280-28076-AD-1
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 02-May-2012 12:13 smithm Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10 Cal File: 001F0101.D
Als bottle: 25
Dil Factor: 18.00000
Integrator: Falcon Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.124	1.126	-0.002	2082864	1766.29	31790
2 Ethene	Compound Not Detected.					
3 Ethane	1.381	1.383	-0.002	310751	273.933	4931(M)
4 Acetylene	Compound Not Detected.					

QC Flag Legend

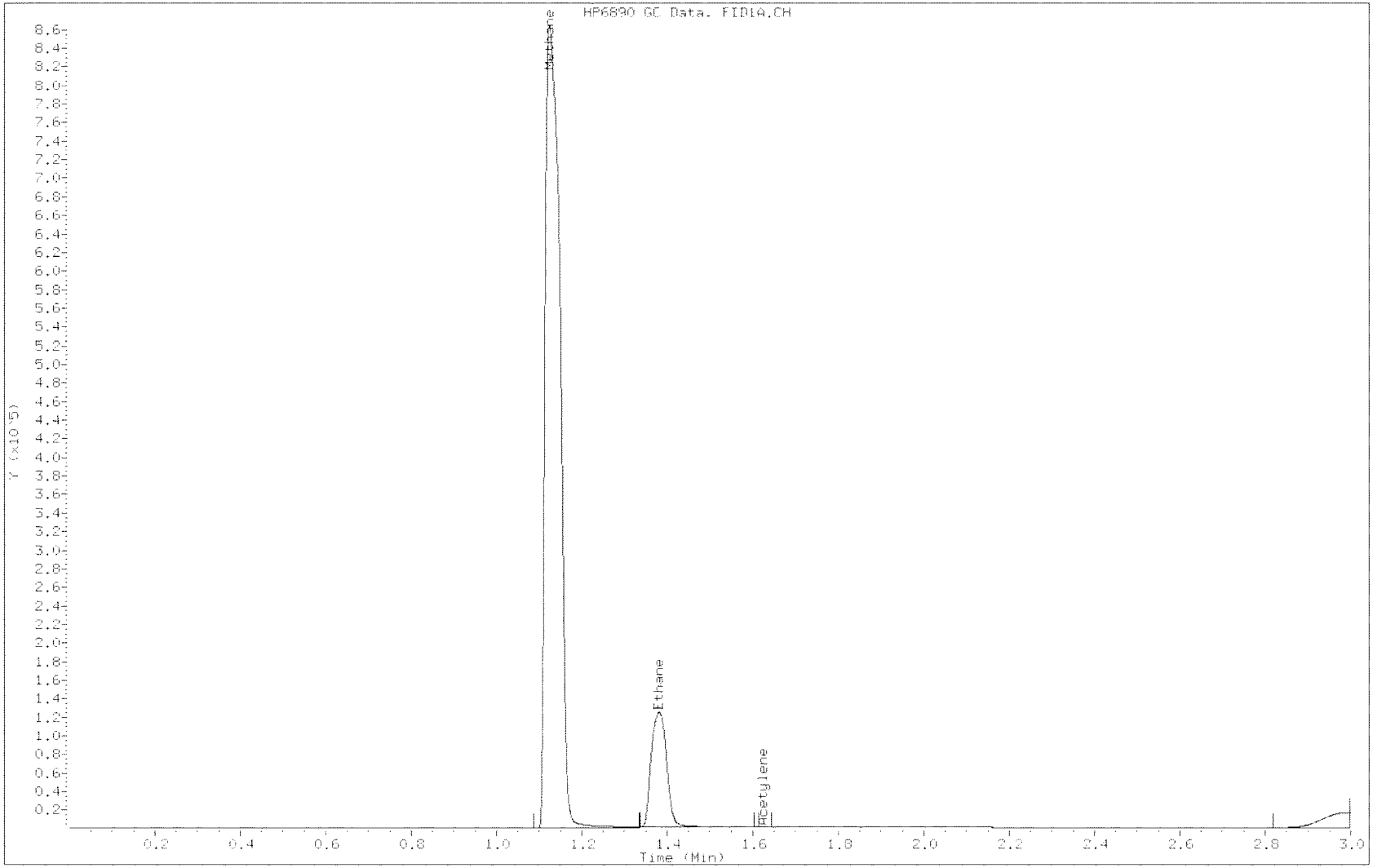
M - Compound response manually integrated.

Data File: 025F2601.D

Date: 01-MAY-2012 15:52

Client ID: MW02 Instrument: GC_J.i

Sample Info: 280-28076-AD-1,d Operator: mps



Manual Integration Report

Data File: 025F2601.D
Inj. Date and Time: 01-MAY-2012 15:52
Instrument ID: GC_J.i
Client ID: MW02
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

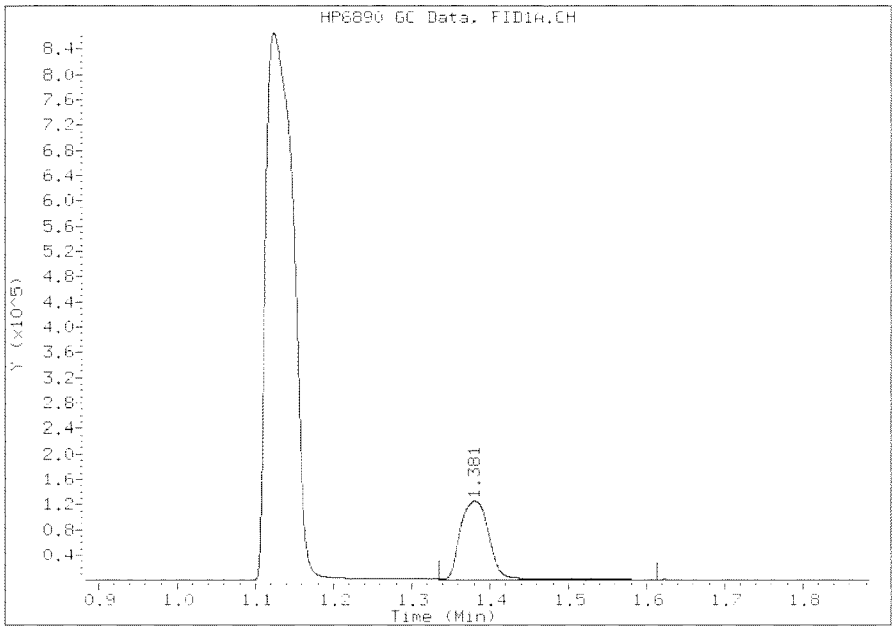
Processing Integration Results

RT: 1.38

Response: 327846

Amount: 289.00

Conc: 5202.05



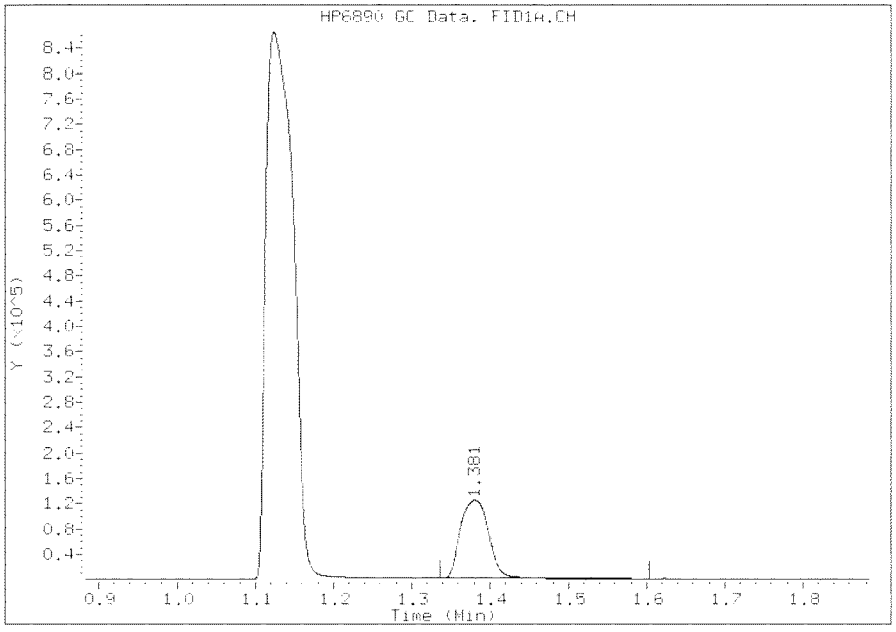
Manual Integration Results

RT: 1.38

Response: 310751

Amount: 273.93

Conc: 4930.80



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: 025F2601.D

Analysis Method: RSK-175 | Date Collected: 04/22/2012 15:45

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 15:52

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*32000*		*90*	*3.9*
74-85-1	*Ethylene*	*ND*		*90*	*7.2*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\025F2601.D
Lab Smp Id: 280-28076-AD-1 Client Smp ID: MW02
Inj Date : 01-MAY-2012 15:52
Operator : mps Inst ID: GC_J.i
Smp Info : 280-28076-AD-1,d
Misc Info : 280-28076-AD-1
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 02-May-2012 12:22 smithm Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41 Cal File: 008F0801.D
Als bottle: 25
Dil Factor: 18.00000
Integrator: Falcon Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

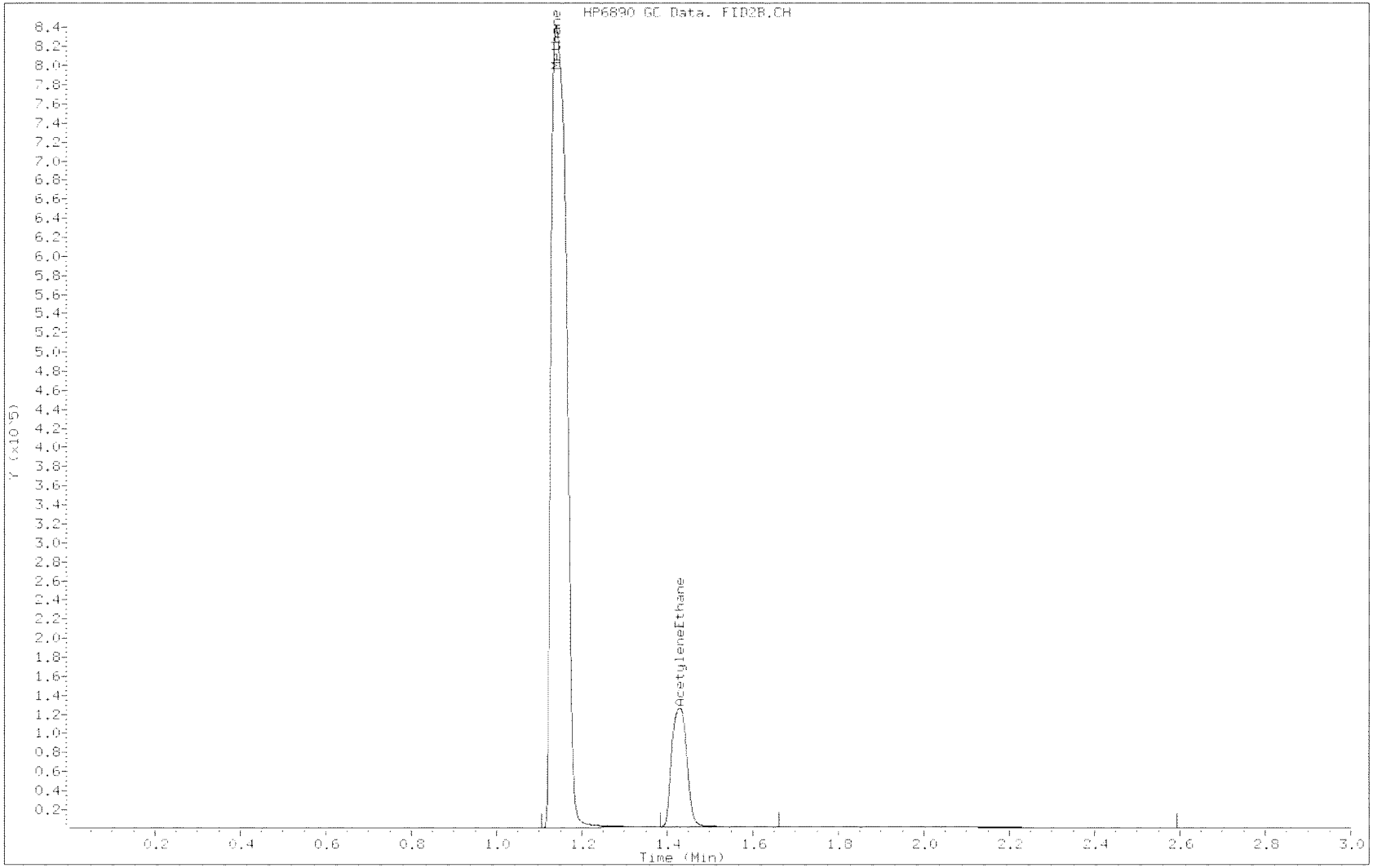
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.140	1.142	-0.002	2095947	1750.67	31510
2 Ethene	Compound Not Detected.					
3 AcetyleneEthane	1.429	1.425	0.004	314659	404.196	7276

Data File: 025F2601.D

Date: 01-MAY-2012 15:52

Client ID: MW02 Instrument: GC_J.i

Sample Info: 280-28076-AD-1,d Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Matrix: Water | Lab File ID: 04301229.D

Analysis Method: RSK-175 | Date Collected: 04/22/2012 15:45

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 14:48

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	2200		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	89		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301229.D
Lab Smp Id: 280-28076-T-1
Inj Date : 30-APR-2012 14:48
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : 280-28076-T-1,2
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 01-May-2012 06:07 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 29
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.028	1.030	-0.002	29463749	10858.3	21720(A)
2 Ethene	1.354	1.355	-0.001	470	0.23918	0.4784(a)
3 Acetylene	Compound Not Detected.					
4 Ethane	1.516	1.518	-0.002	3096965	1967.84	3936(A)
5 1,1,1-Trifluoroethane	2.226	2.234	-0.008	1151369	6414.45	12830
6 Propene	3.104	3.104	0.000	3223	5.16793	10.34
7 Propane	3.331	3.336	-0.005	502093	1077.93	2156
8 2-Methyl Propane	5.900	5.900	0.000	72071	400.458	800.9
9 Butane	6.572	6.576	-0.004	107382	320.102	640.2
10 Pentane	9.805	9.803	0.002	15143	54.5855	109.2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: 04301229.D

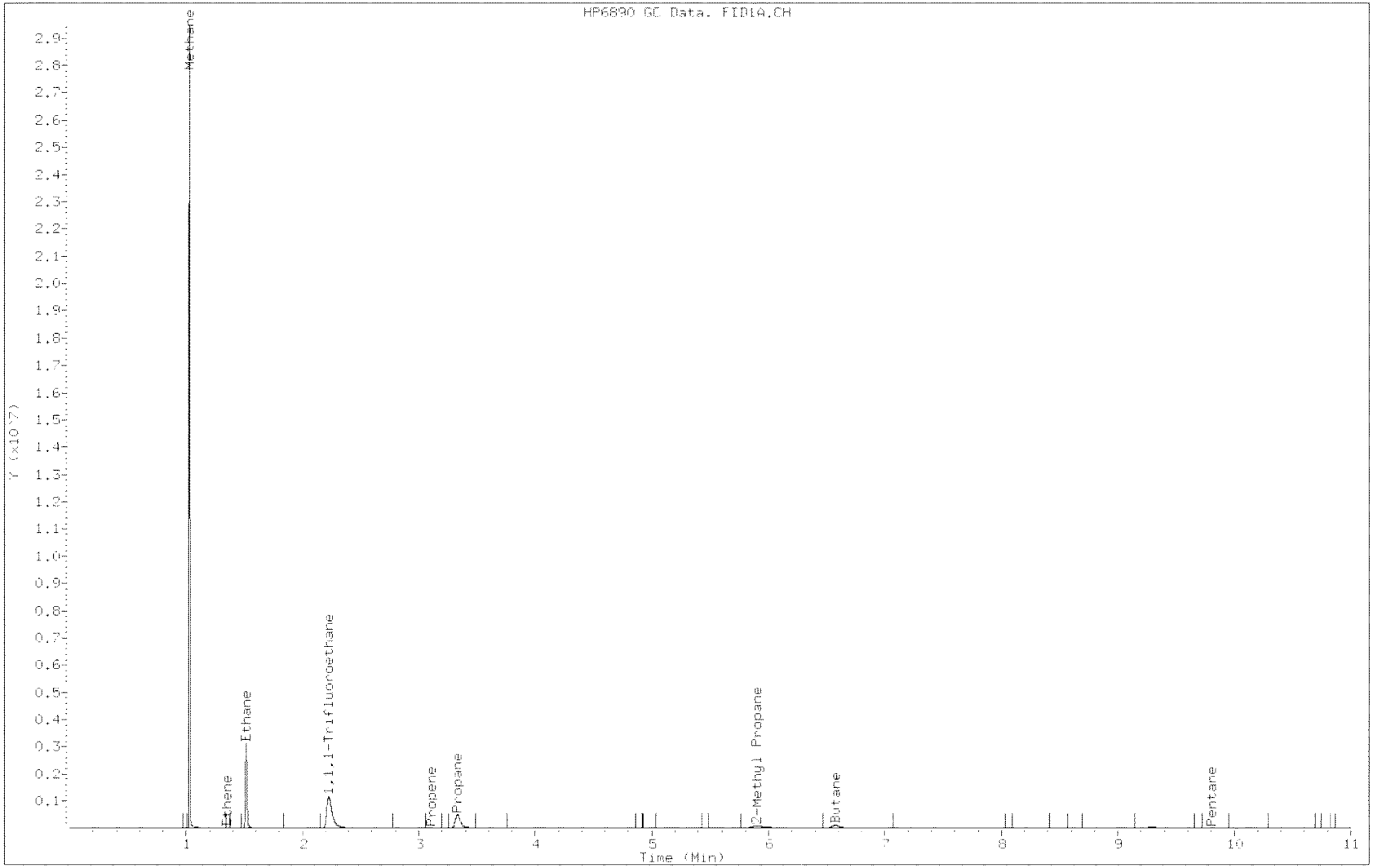
Date: 30-APR-2012 14:48

Client ID:

Instrument: RSK.i

Sample Info: 280-28076-T-1,2

Operator: RJG 22952



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 98971

SDG No.:

Instrument ID: GCV_J | GC Column: RT-VPLOT | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2011 07:10 | Calibration End Date: 12/07/2011 07:41 | Calibration ID: 7992

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-98971/8	008F0801.D
Level 2	IC 280-98971/1	001F0101.D
Level 3	IC 280-98971/2	002F0201.D
Level 4	IC 280-98971/3	003F0301.D
Level 5	ICRT 280-98971/4	004F0401.D
Level 6	IC 280-98971/5	005F0501.D
Level 7	IC 280-98971/6	006F0601.D
Level 8	IC 280-98971/7	007F0701.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Methane	1.126	1.125	1.128	1.131	1.127	1.128	1.129	1.124			1.097 - 1.157	1.127
Ethylene	+++++	1.334	1.334	1.338	1.334	1.335	1.337	1.331			1.304 - 1.364	1.168
Ethane	+++++	1.387	1.390	1.393	1.389	1.390	1.391	1.385			1.359 - 1.419	1.215
Acetylene	+++++	1.636	1.638	1.639	1.636	1.637	1.639	1.633			1.606 - 1.666	1.432

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 98971

SDG No.:

Instrument ID: GCV_J | GC Column: RT-VPLOT | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2011 07:10 | Calibration End Date: 12/07/2011 07:41 | Calibration ID: 7992

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-98971/8	008F0801.D
Level 2	IC 280-98971/1	001F0101.D
Level 3	IC 280-98971/2	002F0201.D
Level 4	IC 280-98971/3	003F0301.D
Level 5	ICRT 280-98971/4	004F0401.D
Level 6	IC 280-98971/5	005F0501.D
Level 7	IC 280-98971/6	006F0601.D
Level 8	IC 280-98971/7	007F0701.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							
Methane	1175.8 1171.2	1729.9 1166.5	1387.5 1181.7	1154.2 1194.8	Lin1	-0.3631212	1178.99059							1.0000	0.9900
Ethylene	+++++ 906.70	870.63 910.92	851.72 919.79	880.82 926.86	Ave		895.346810				3.1		20.0		
Ethane	+++++ 1149.0	1100.6 1146.6	1057.9 1170.2	1109.6 1206.9	Ave		1134.40372				4.3		20.0		
Acetylene	+++++ 361.81	346.67 361.92	313.71 370.14	327.42 381.85	Ave		351.932307				6.9		20.0		

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 Denver | Job No.: 280-28076-1 | Analy Batch No.: 98971

SDG No.:

Instrument ID: GCV_J | GC Column: RT-VPLOT | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2011 07:10 | Calibration End Date: 12/07/2011 07:41 | Calibration ID: 7992

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-98971/8	008F0801.D
Level 2	IC 280-98971/1	001F0101.D
Level 3	IC 280-98971/2	002F0201.D
Level 4	IC 280-98971/3	003F0301.D
Level 5	ICRT 280-98971/4	004F0401.D
Level 6	IC 280-98971/5	005F0501.D
Level 7	IC 280-98971/6	006F0601.D
Level 8	IC 280-98971/7	007F0701.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
Methane	Lin1	16995883 171481	1595 795183	2553 3678766	21238	86314	14455 147	0.922 673	1.84 3079	18.4	73.7
Ethylene	Ave	+++++ 232557	1393 352280	2717 591615	28098	115785	+++++ 255	1.60 383	3.19 638	31.9	128
Ethane	Ave	+++++ 313838	1882 480470	3618 825900	37948	157300	+++++ 274	1.71 411	3.42 684	34.2	137
Acetylene	Ave	+++++ 86643	520 132917	938 228539	9790	43309	+++++ 239	1.50 359	2.99 599	29.9	120

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\001F0101.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:10
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:16 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 1   Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	1.125	1.126	-0.001	1595	0.92200	0.9897(aM)
2 Ethene	1.334	1.334	0.000	1393	1.60000	1.556(aM)
3 Ethane	1.387	1.388	-0.001	1882	1.71000	1.659(aM)
4 Acetylene	1.636	1.635	0.001	520	1.50000	1.478(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 001F0101.D

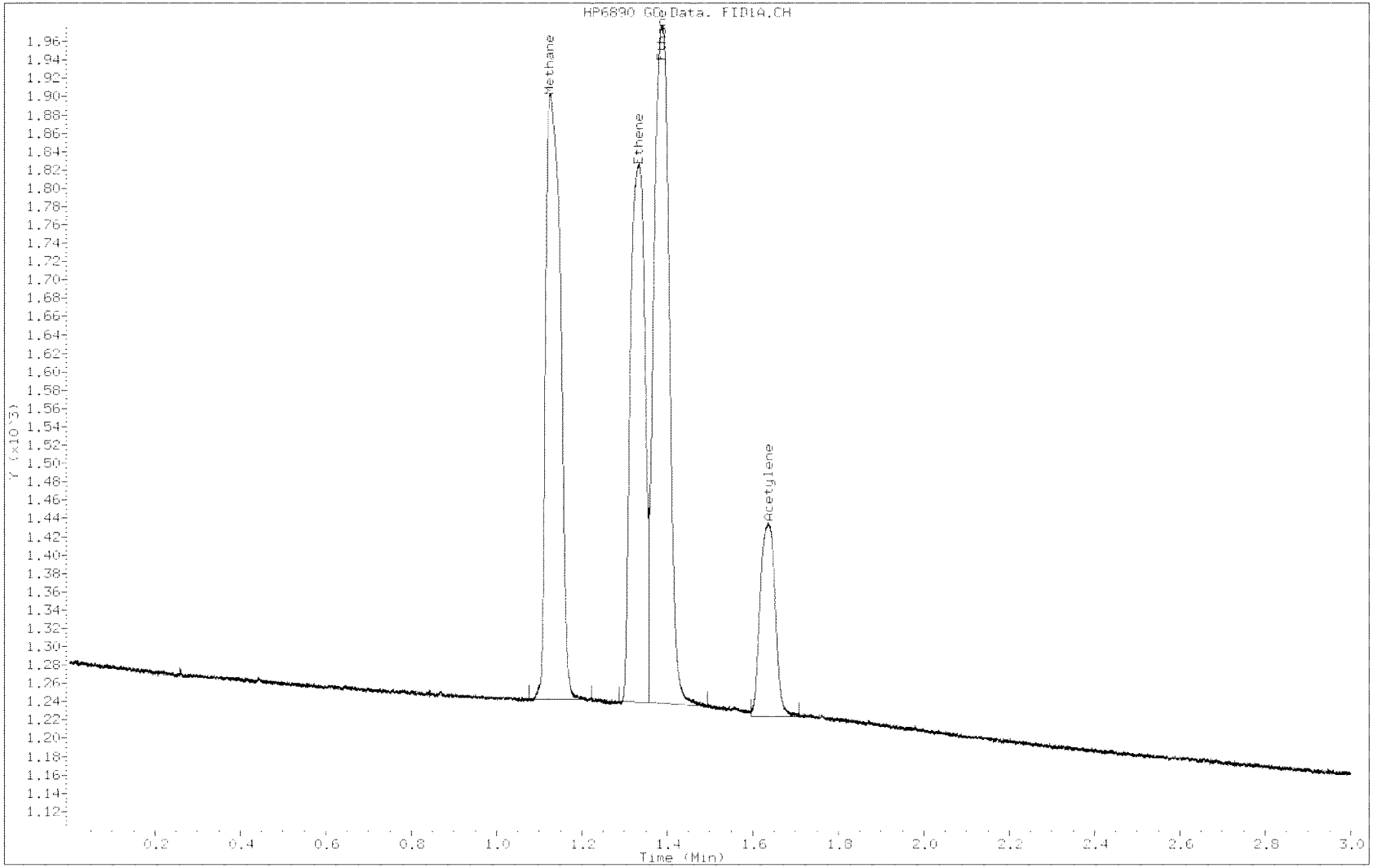
Date: 07-DEC-2011 07:10

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



Manual Integration Report

Data File: 001F0101.D
Inj. Date and Time: 07-DEC-2011 07:10
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 12/09/2011

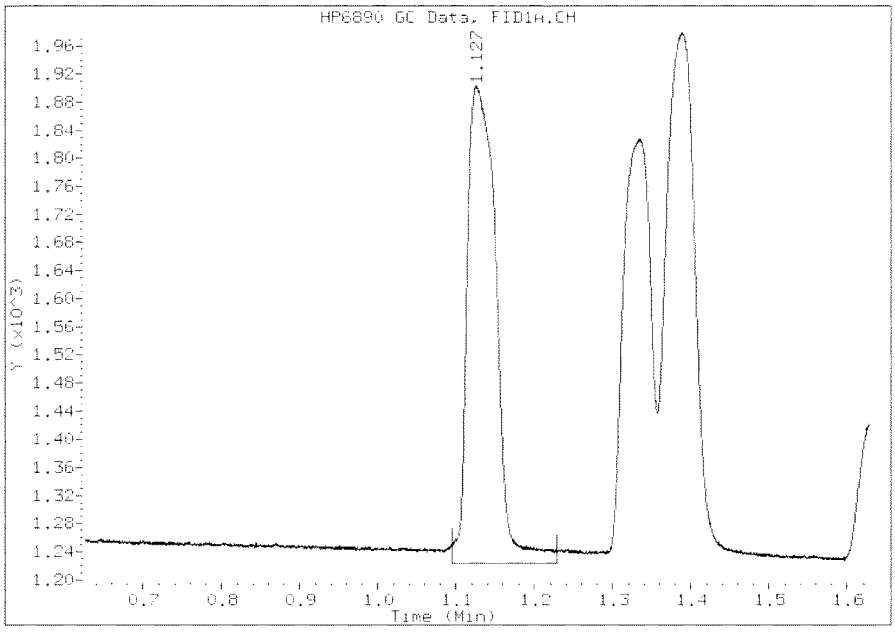
Processing Integration Results

RT: 1.13

Response: 1738

Amount: 1.03

Conc: 1.03



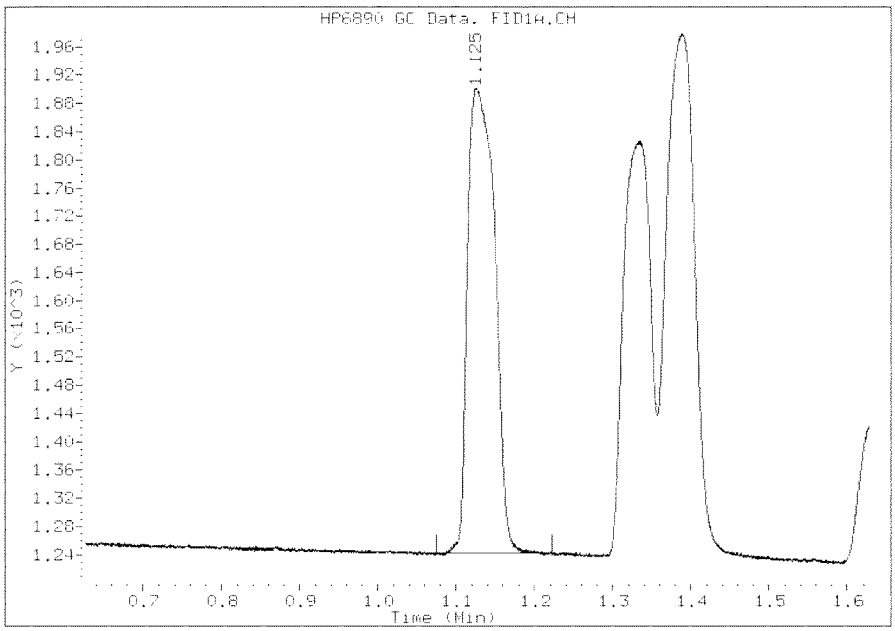
Manual Integration Results

RT: 1.13

Response: 1595

Amount: 0.99

Conc: 0.99



Manually Integrated By: gilbertb
Modification Date: 09-Dec-2011 12:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 001F0101.D
Inj. Date and Time: 07-DEC-2011 07:10
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 12/09/2011

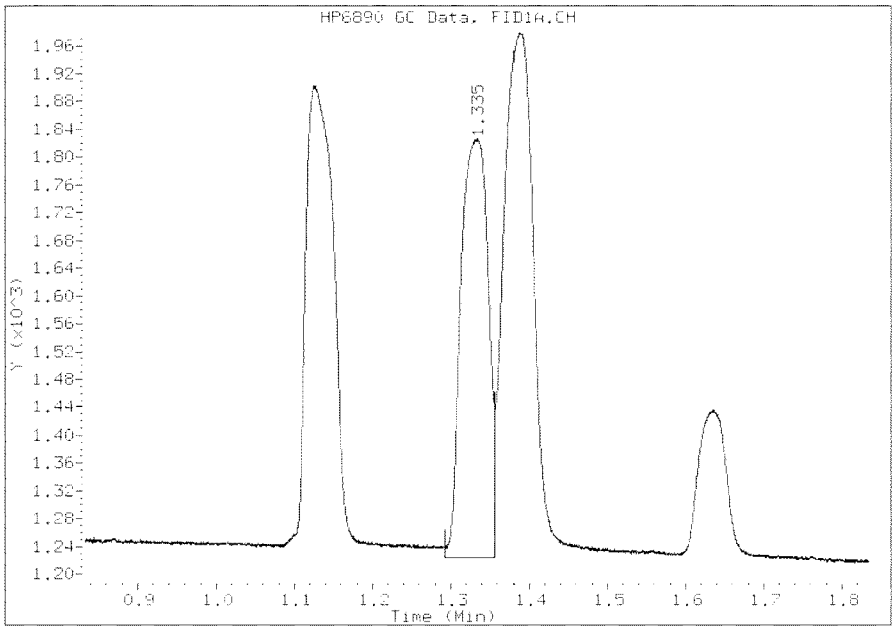
Processing Integration Results

RT: 1.34

Response: 1451

Amount: 1.61

Conc: 1.61



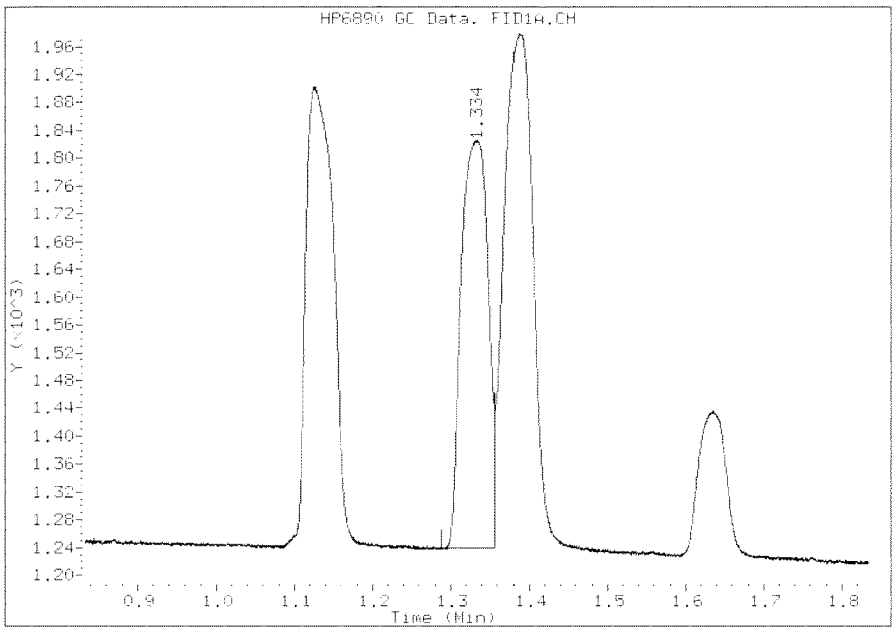
Manual Integration Results

RT: 1.33

Response: 1393

Amount: 1.56

Conc: 1.56



Manually Integrated By: gilbertb
Modification Date: 09-Dec-2011 12:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 001F0101.D
Inj. Date and Time: 07-DEC-2011 07:10
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 12/09/2011

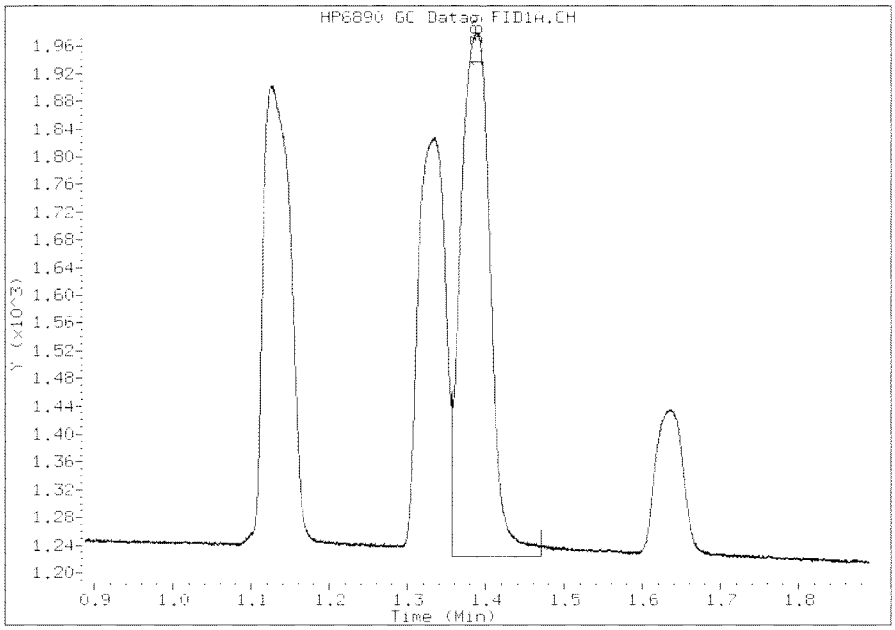
Processing Integration Results

RT: 1.39

Response: 1968

Amount: 1.72

Conc: 1.72



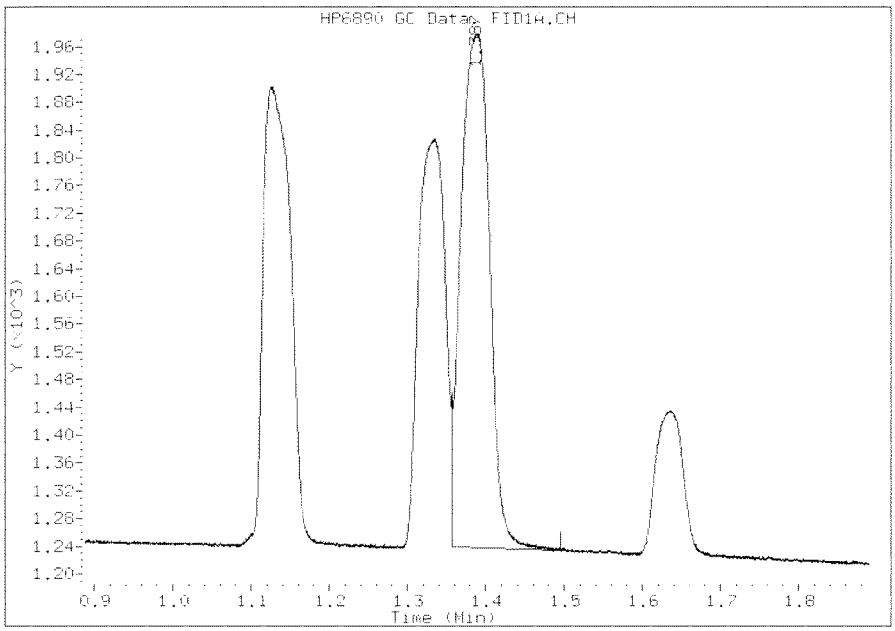
Manual Integration Results

RT: 1.39

Response: 1882

Amount: 1.66

Conc: 1.66



Manually Integrated By: gilbertb
Modification Date: 09-Dec-2011 12:16
Manual Integration Reason: Baseline Event

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\002F0201.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:15
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:14 GC_J.i   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 2   Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.127	1.128	-0.001	2553	1.84000	1.479(aM)
2 Ethene	1.334	1.335	-0.001	2717	3.19000	3.143(aM)
3 Ethane	1.389	1.390	-0.001	3618	3.42000	3.289(aM)
4 Acetylene	1.638	1.637	0.001	938	2.99000	2.706(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 002F0201.D

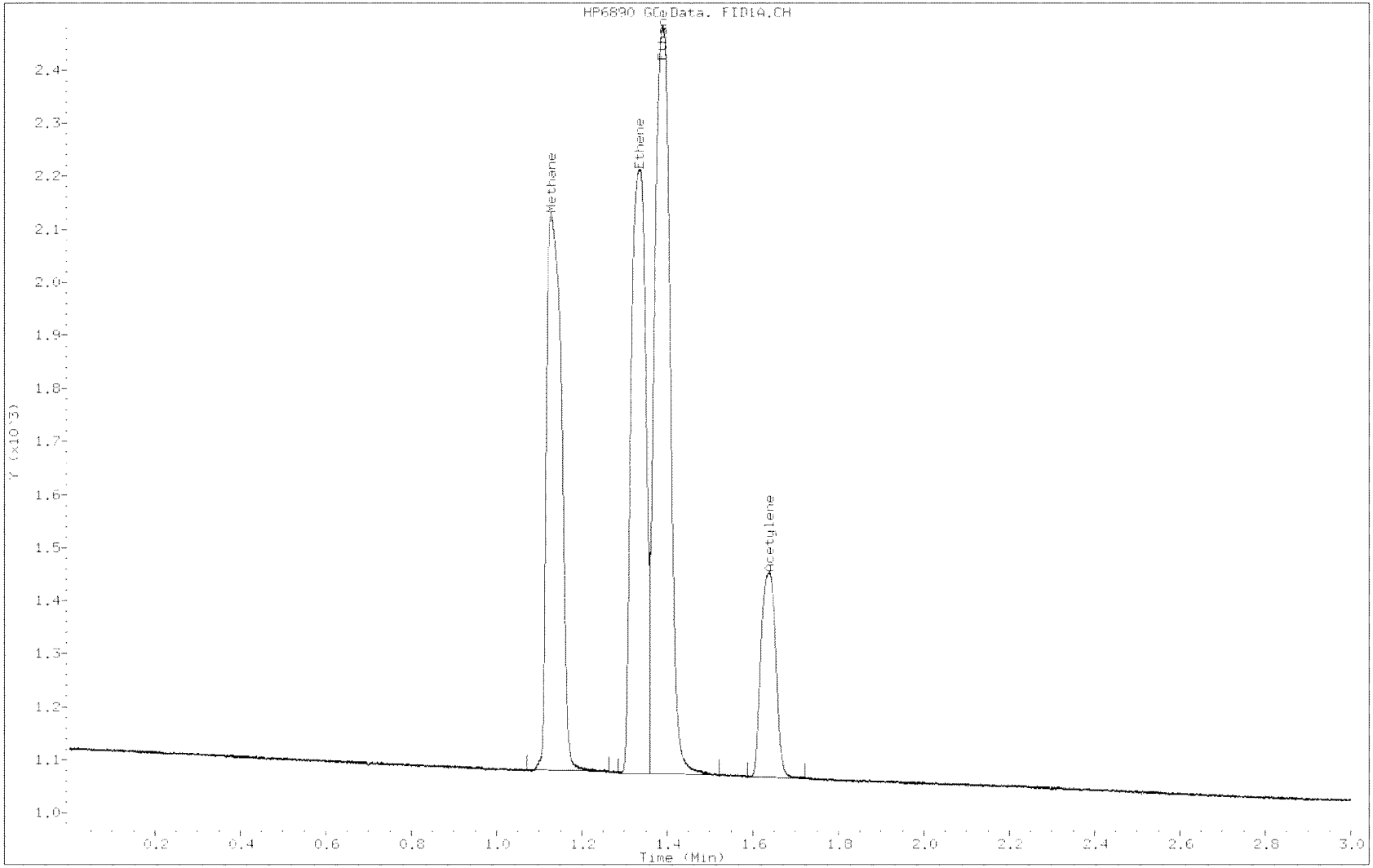
Date: 07-DEC-2011 07:15

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



Manual Integration Report

Data File: 002F0201.D
Inj. Date and Time: 07-DEC-2011 07:15
Instrument ID: GC_J.i
Client ID:
Compound: 4 Acetylene
CAS #: 78-83-1
Report Date: 12/09/2011

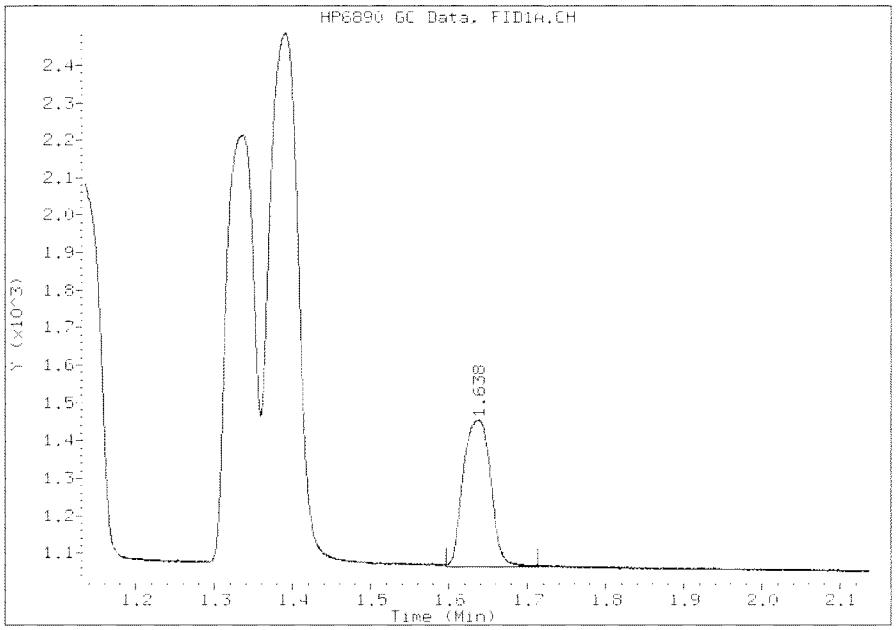
Processing Integration Results

RT: 1.64

Response: 958

Amount: 2.71

Conc: 2.71



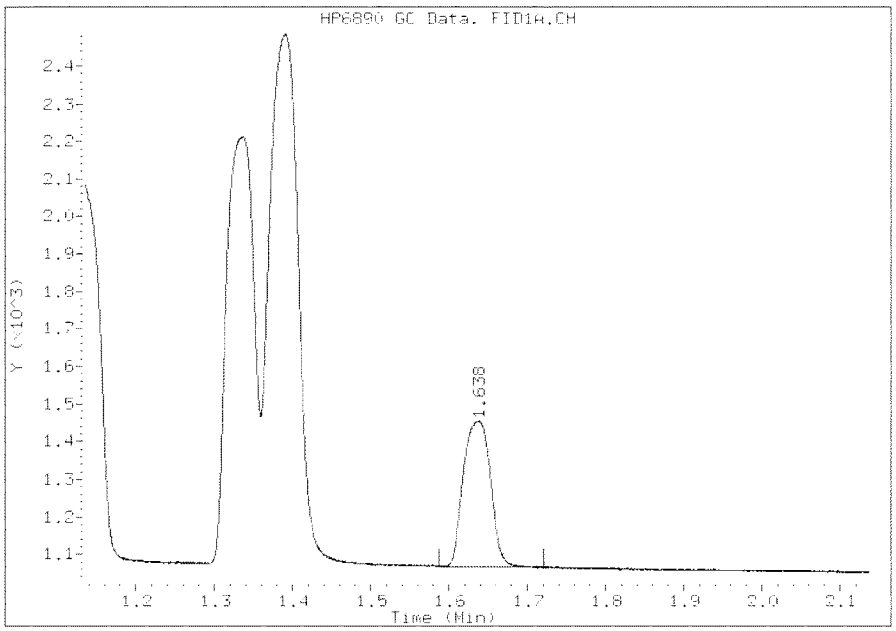
Manual Integration Results

RT: 1.64

Response: 938

Amount: 2.71

Conc: 2.71



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:30
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 002F0201.D
Inj. Date and Time: 07-DEC-2011 07:15
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 12/09/2011

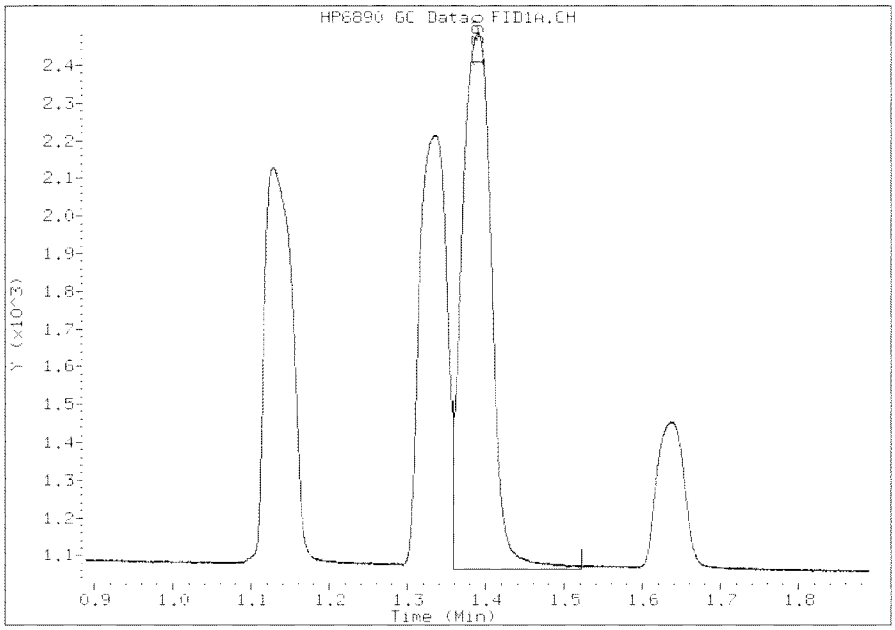
Processing Integration Results

RT: 1.39

Response: 3716

Amount: 3.32

Conc: 3.32



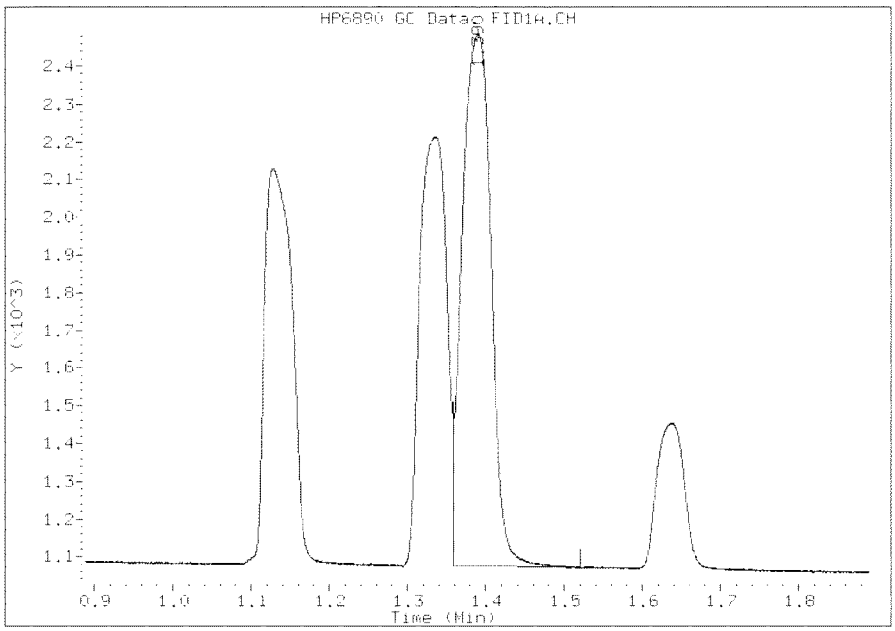
Manual Integration Results

RT: 1.39

Response: 3618

Amount: 3.29

Conc: 3.29



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 002F0201.D
Inj. Date and Time: 07-DEC-2011 07:15
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 12/09/2011

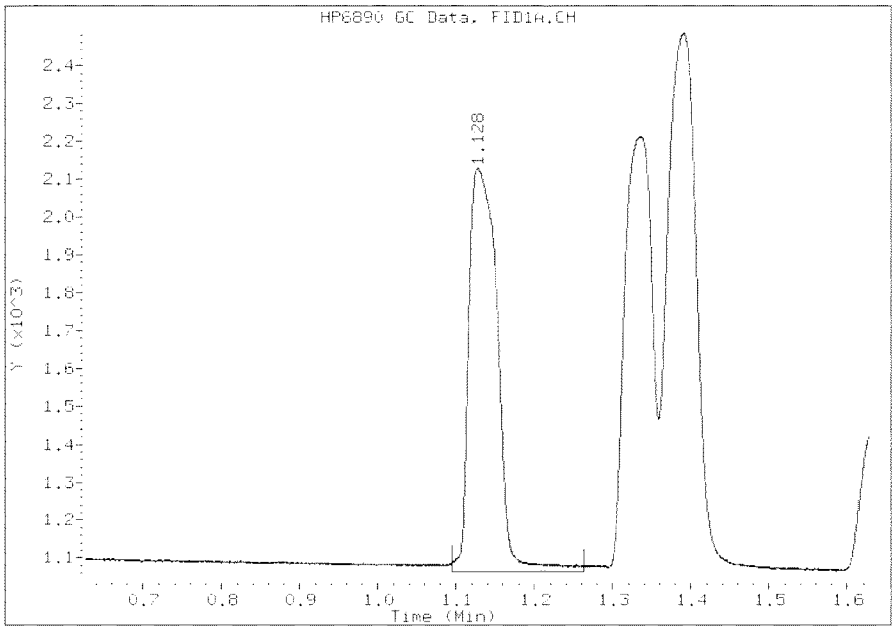
Processing Integration Results

RT: 1.13

Response: 2719

Amount: 1.79

Conc: 1.79



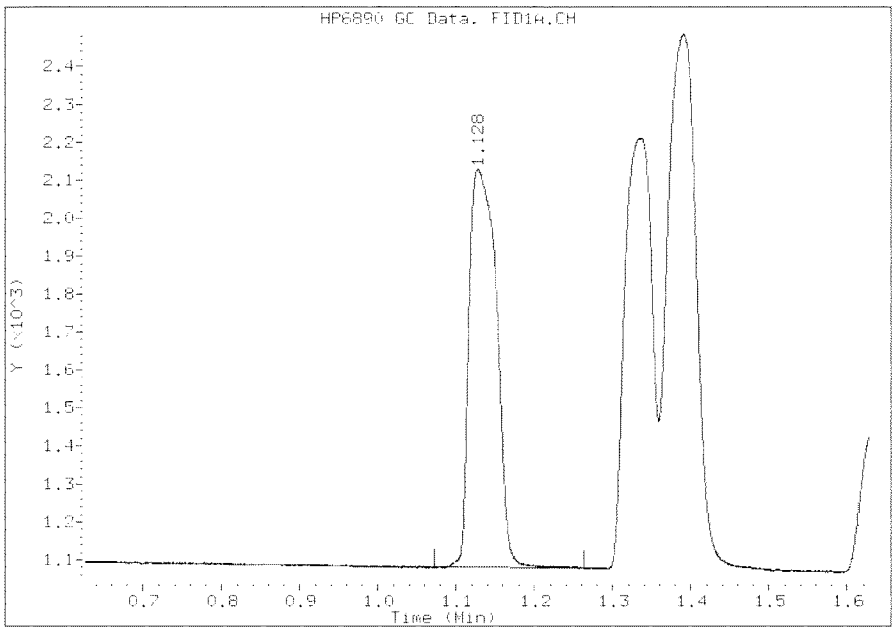
Manual Integration Results

RT: 1.13

Response: 2553

Amount: 1.48

Conc: 1.48



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:30
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 002F0201.D
Inj. Date and Time: 07-DEC-2011 07:15
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 12/09/2011

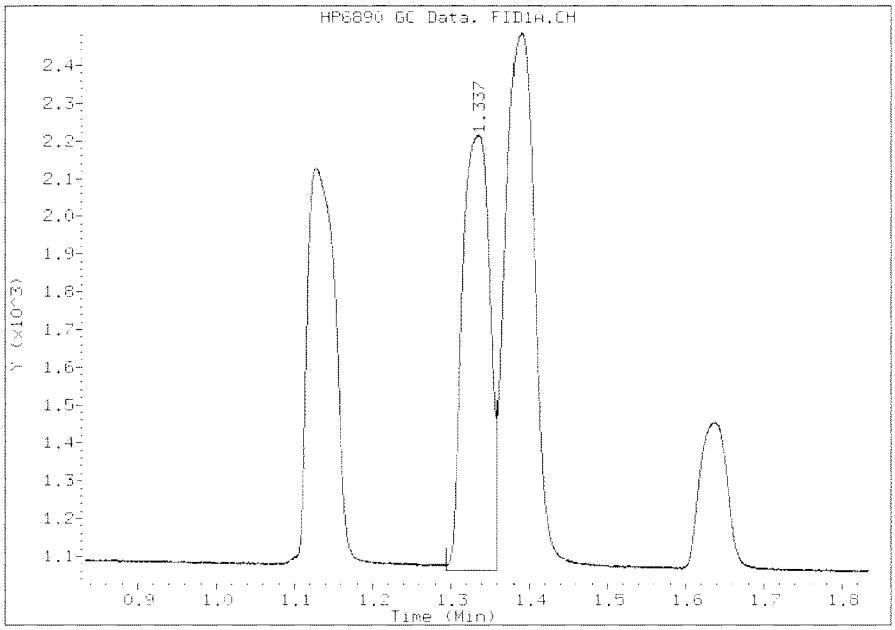
Processing Integration Results

RT: 1.34

Response: 2758

Amount: 3.13

Conc: 3.13



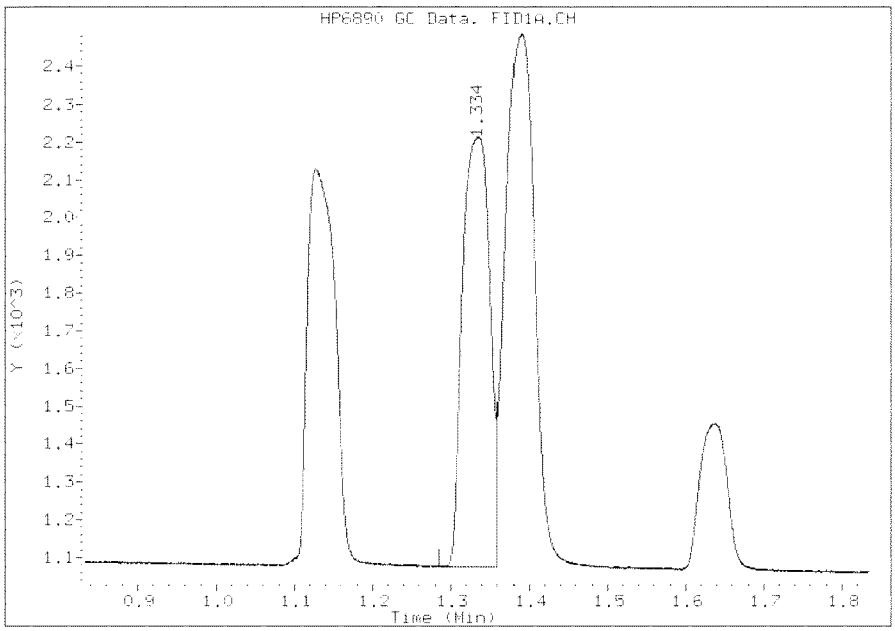
Manual Integration Results

RT: 1.33

Response: 2717

Amount: 3.14

Conc: 3.14



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:31
Manual Integration Reason: Baseline Event

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\003F0301.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:19
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:14 GC_J.i   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:15   Cal File: 002F0201.D
Als bottle: 3   Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.130	1.128	0.002	21238	18.4000	19.67(M)
2 Ethene	1.338	1.335	0.003	28098	31.9000	32.75(M)
3 Ethane	1.393	1.390	0.003	37948	34.2000	35.17(M)
4 Acetylene	1.638	1.637	0.001	9790	29.9000	29.65(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 003F0301.D

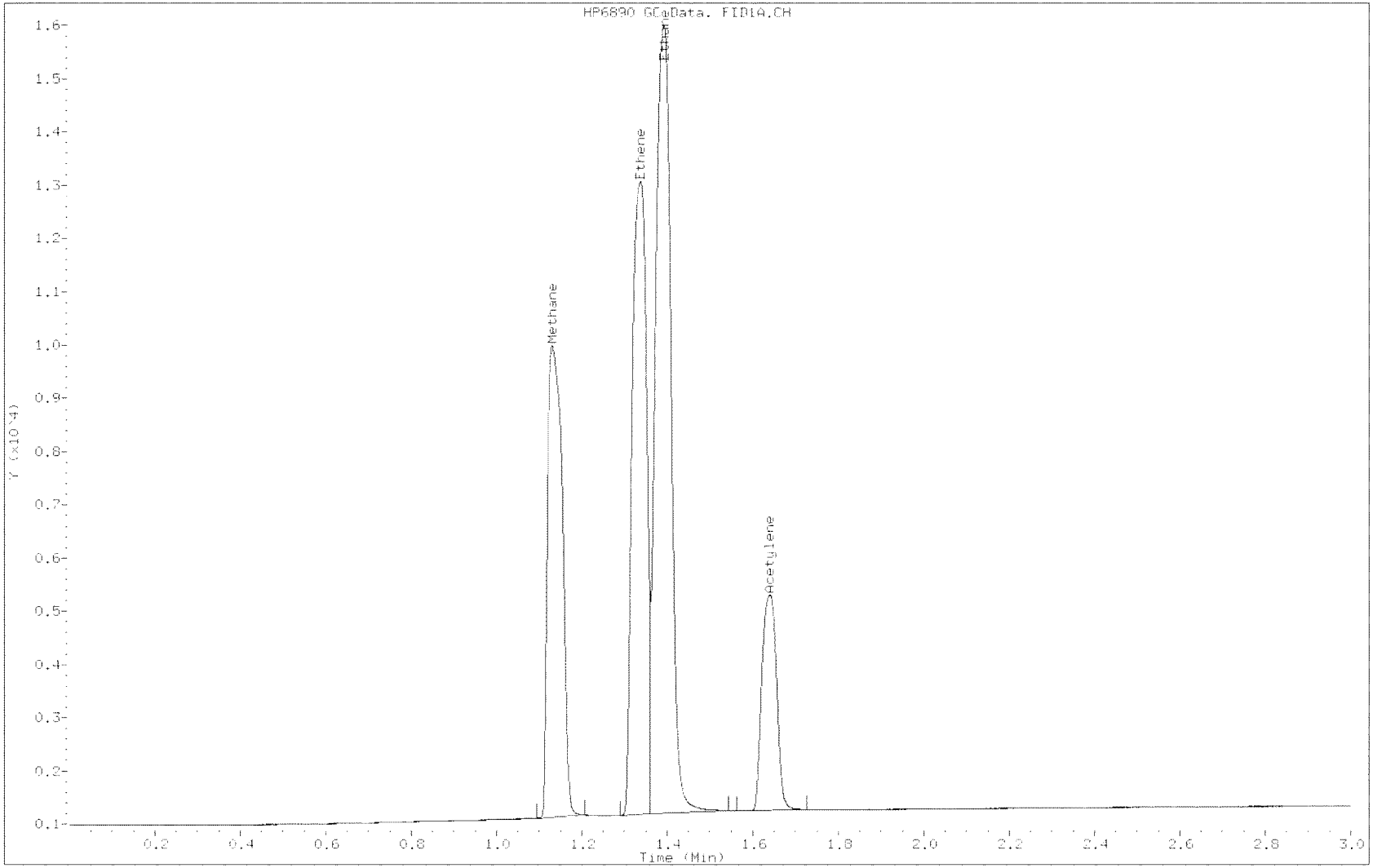
Date: 07-DEC-2011 07:19

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



Manual Integration Report

Data File: 003F0301.D
Inj. Date and Time: 07-DEC-2011 07:19
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 12/09/2011

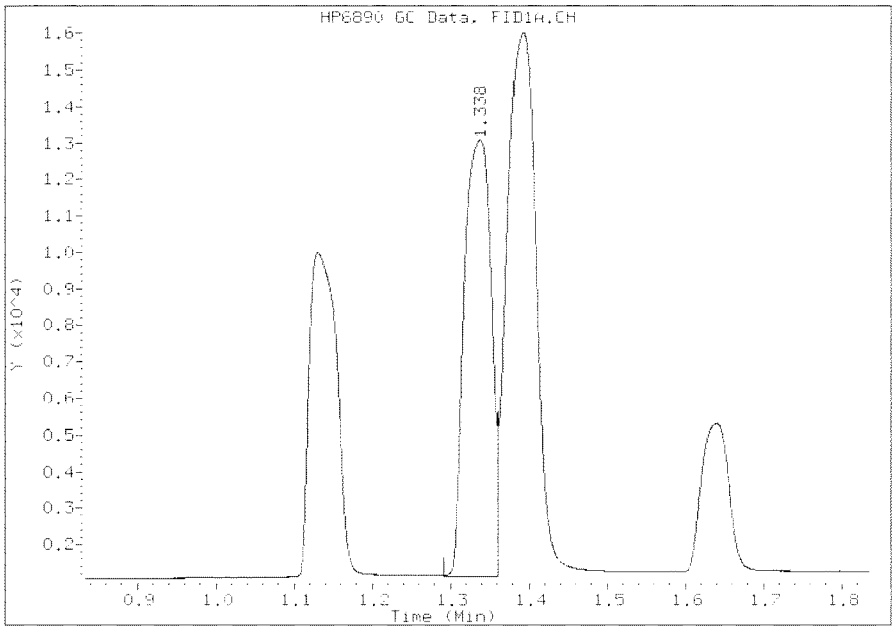
Processing Integration Results

RT: 1.34

Response: 28419

Amount: 32.35

Conc: 32.35



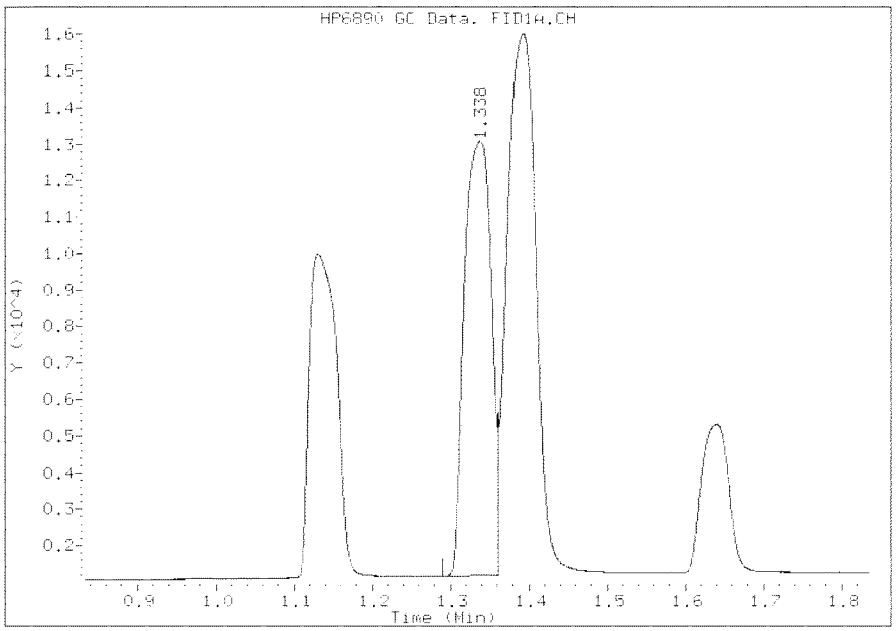
Manual Integration Results

RT: 1.34

Response: 28098

Amount: 32.75

Conc: 32.75



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:32
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 003F0301.D
Inj. Date and Time: 07-DEC-2011 07:19
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 12/09/2011

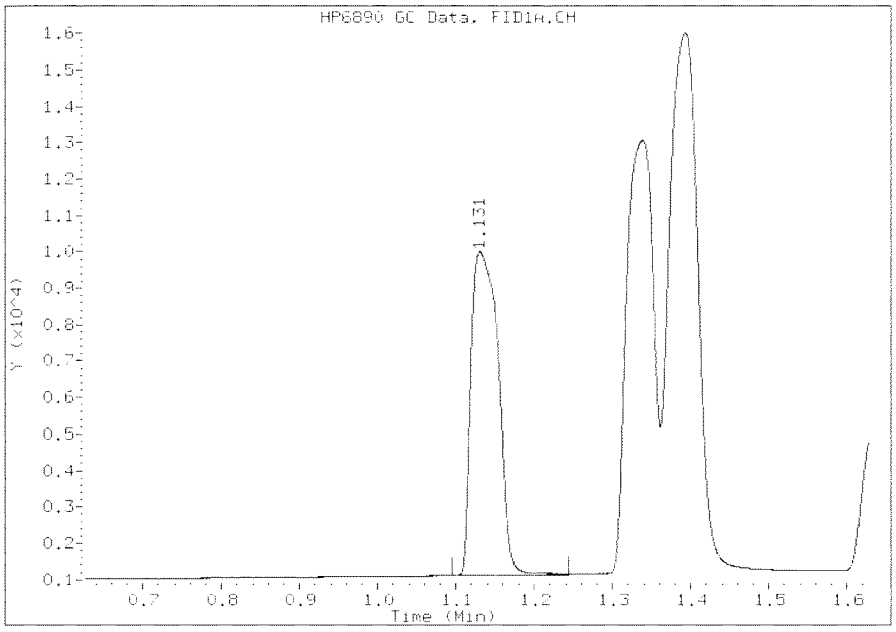
Processing Integration Results

RT: 1.13

Response: 21560

Amount: 18.08

Conc: 18.08



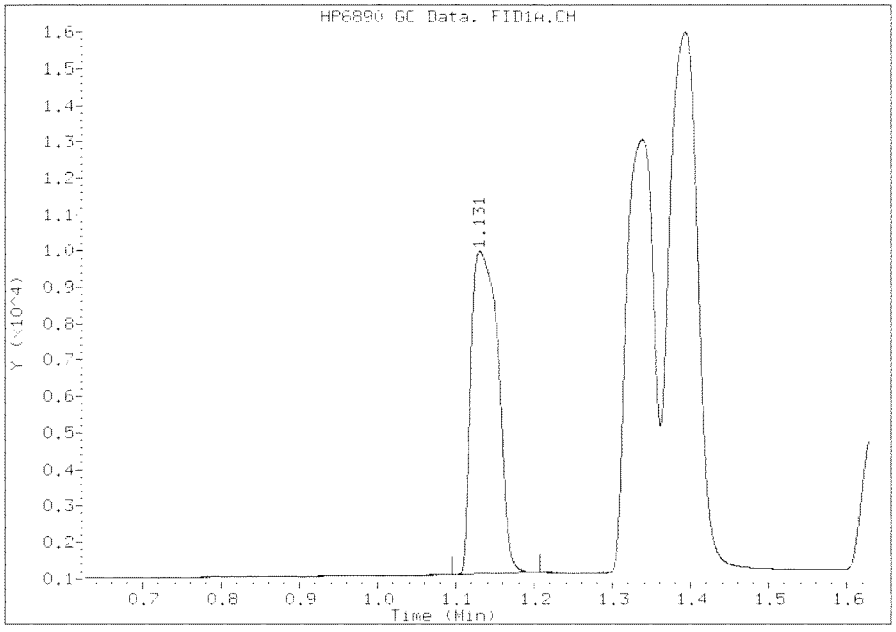
Manual Integration Results

RT: 1.13

Response: 21238

Amount: 19.67

Conc: 19.67



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 003F0301.D
Inj. Date and Time: 07-DEC-2011 07:19
Instrument ID: GC_J.i
Client ID:
Compound: 4 Acetylene
CAS #: 78-83-1
Report Date: 12/09/2011

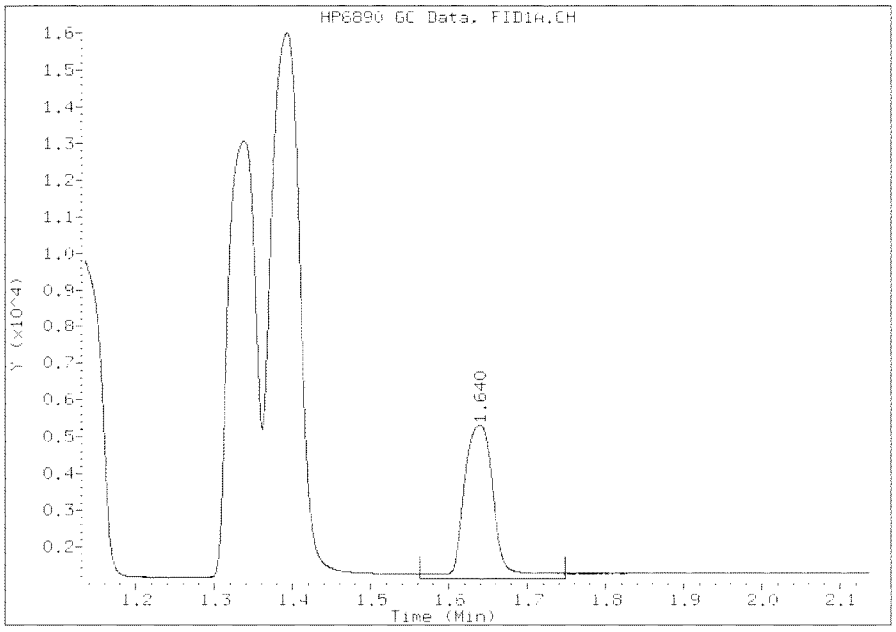
Processing Integration Results

RT: 1.64

Response: 11440

Amount: 32.57

Conc: 32.57



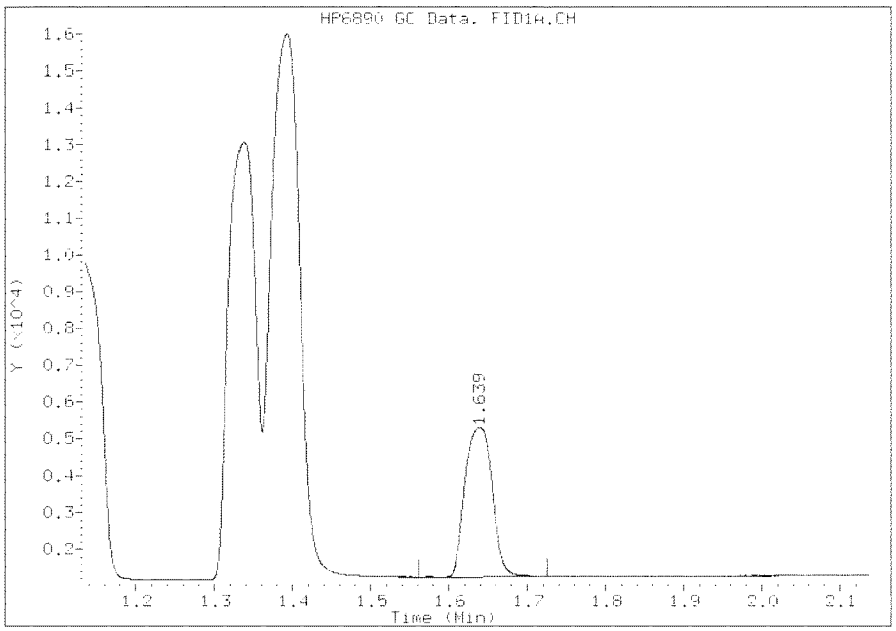
Manual Integration Results

RT: 1.64

Response: 9790

Amount: 29.65

Conc: 29.65



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 003F0301.D
Inj. Date and Time: 07-DEC-2011 07:19
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 12/09/2011

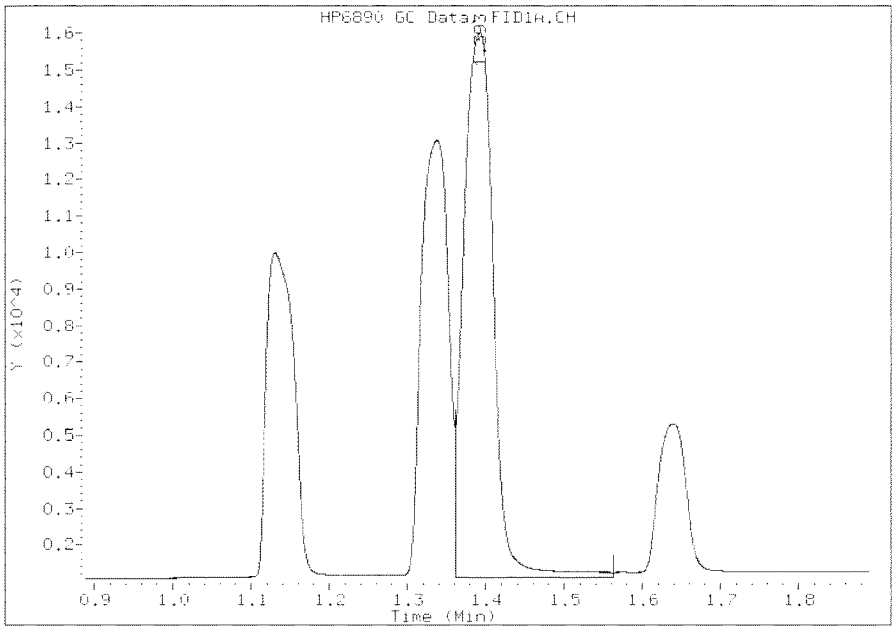
Processing Integration Results

RT: 1.39

Response: 39182

Amount: 35.20

Conc: 35.20



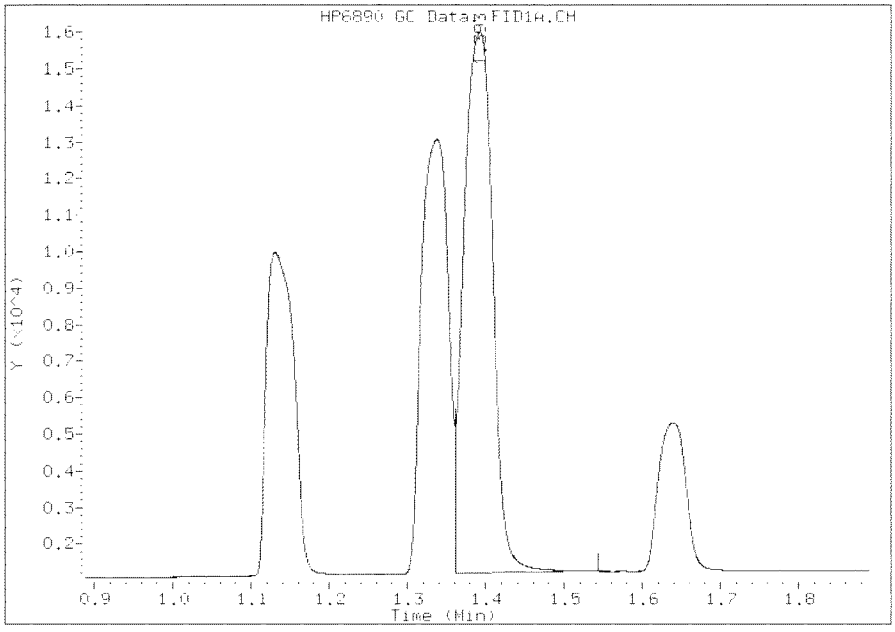
Manual Integration Results

RT: 1.39

Response: 37948

Amount: 35.17

Conc: 35.17



Manually Integrated By: gilbertb
Modification Date: 07-Dec-2011 07:32
Manual Integration Reason: Baseline Event

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\004F0401.D
Lab Smp Id: ICRT-366388
Inj Date : 07-DEC-2011 07:23
Operator : BMG   Inst ID: GC_J.i
Smp Info : ICRT-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:14 GC_J.i   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:19   Cal File: 003F0301.D
Als bottle: 4   Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.126	1.126	0.000	86314	73.7000	76.31
2 Ethene	1.334	1.334	0.000	115785	127.700	133.8
3 Ethane	1.388	1.388	0.000	157300	136.900	144.4
4 Acetylene	1.635	1.635	0.000	43309	119.700	131.5

Data File: 004F0401.D

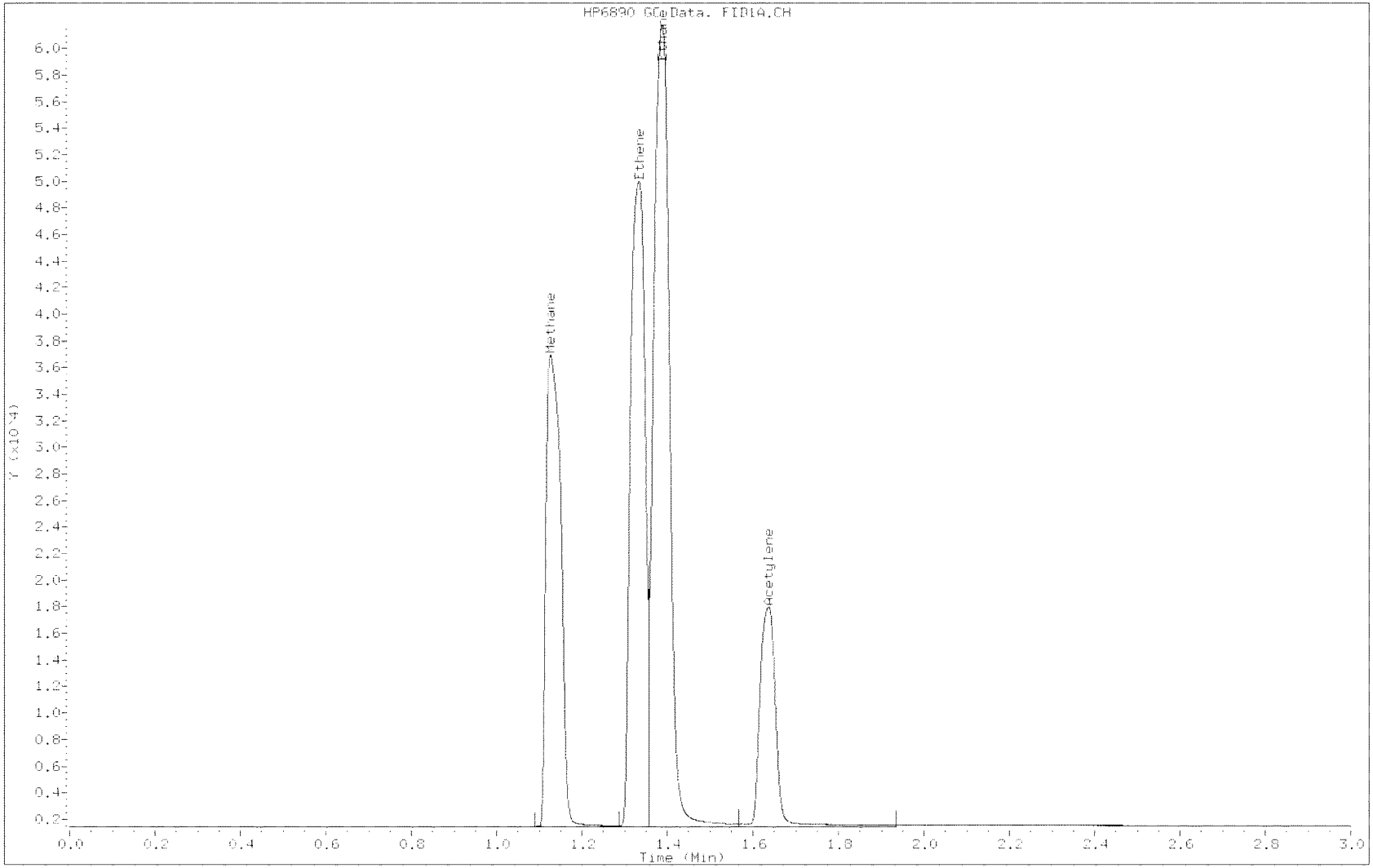
Date: 07-DEC-2011 07:23

Client ID:

Instrument: GC_J.i

Sample Info: ICRT-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\005F0501.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:28
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:15 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:28   Cal File: 005F0501.D
Als bottle: 5   Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	1.127	1.126	0.001	171481	147.000	145.1
2 Ethene	1.334	1.334	0.000	232557	255.300	260.0
3 Ethane	1.389	1.388	0.001	313838	273.700	276.7
4 Acetylene	1.636	1.635	0.001	86643	239.400	246.2

Data File: 005F0501.D

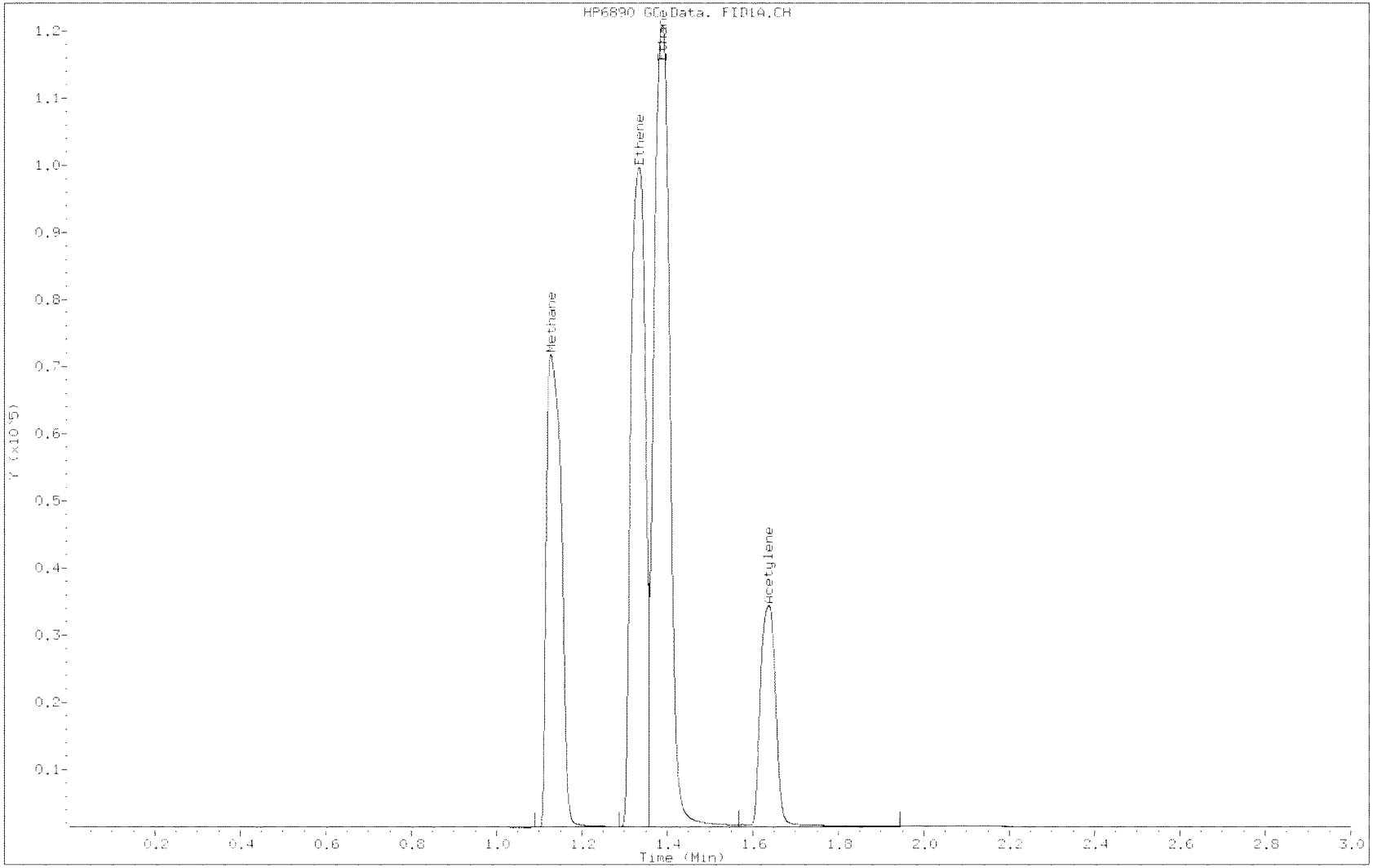
Date: 07-DEC-2011 07:28

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\006F0601.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:32
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:14 GC_J.i   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:23   Cal File: 004F0401.D
Als bottle: 6   Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.129	1.126	0.003	795183	672.900	686.5
2 Ethene	1.336	1.334	0.002	352280	383.000	402.2
3 Ethane	1.390	1.388	0.002	480470	410.600	435.2
4 Acetylene	1.638	1.635	0.003	132917	359.100	393.9

Data File: 006F0601.D

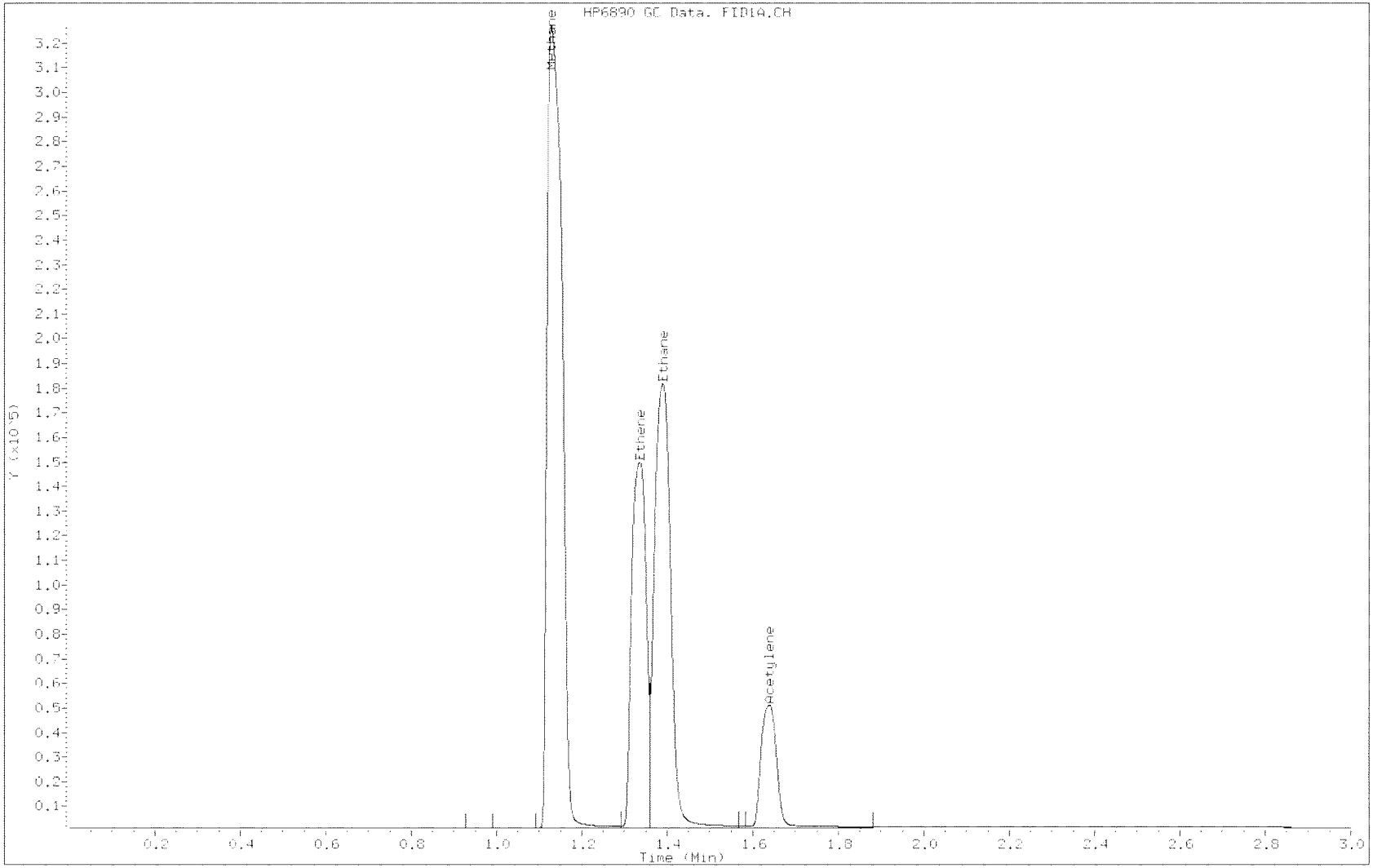
Date: 07-DEC-2011 07:32

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\007F0701.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:37
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:14 GC_J.i   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:32   Cal File: 006F0601.D
Als bottle: 7   Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.124	1.126	-0.002	3678766	3078.90	3121
2 Ethene	1.331	1.334	-0.003	591615	638.300	668.7(A)
3 Ethane	1.384	1.388	-0.004	825900	684.300	739.2(A)
4 Acetylene	1.632	1.635	-0.003	228539	598.500	664.4(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: 007F0701.D

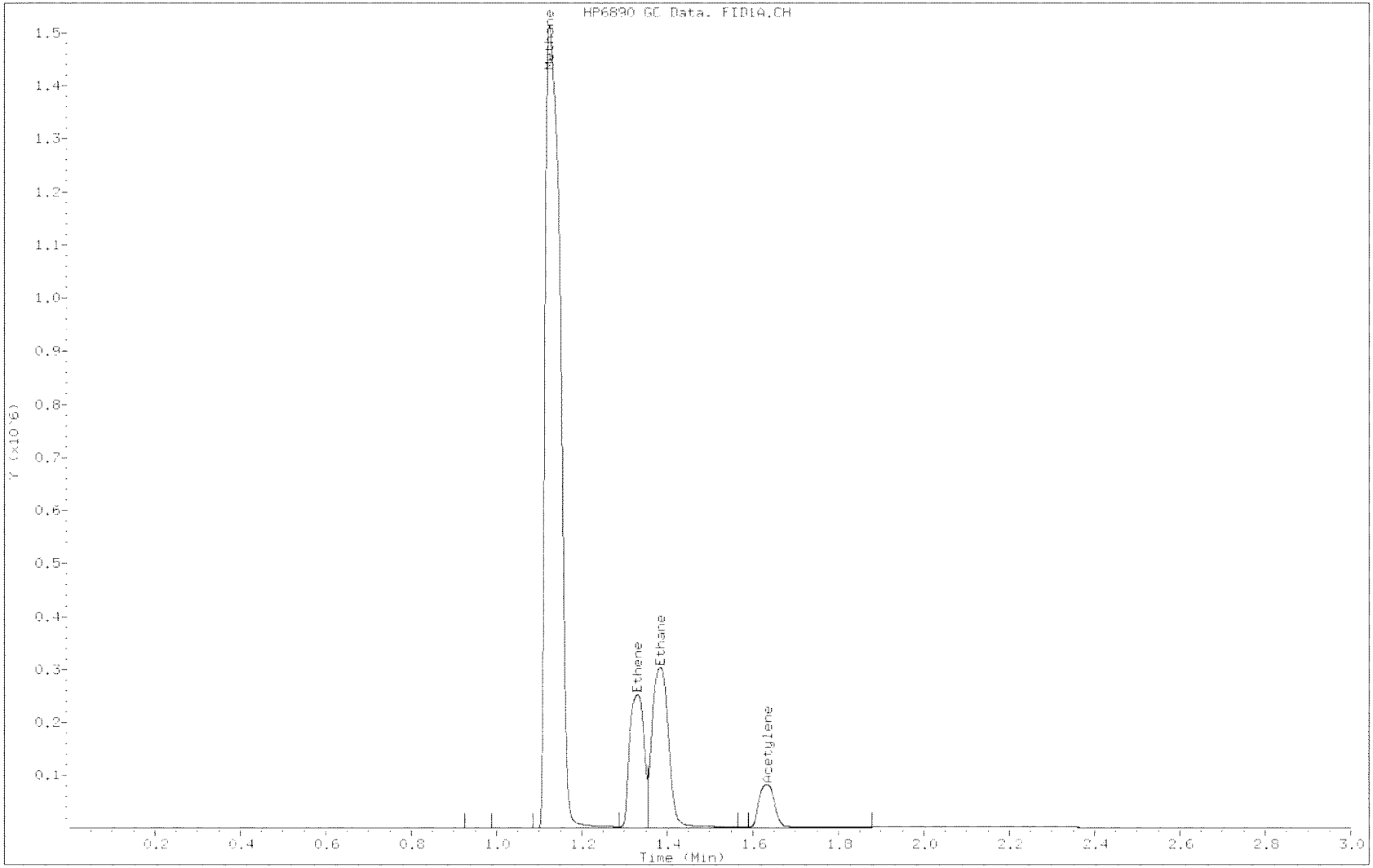
Date: 07-DEC-2011 07:37

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\008F0801.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:41
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 09-Dec-2011 12:14 GC_J.i   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:37   Cal File: 007F0701.D
Als bottle: 8   Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	1.125	1.126	-0.001	16995883	14454.7	14260
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

Data File: 008F0801.D

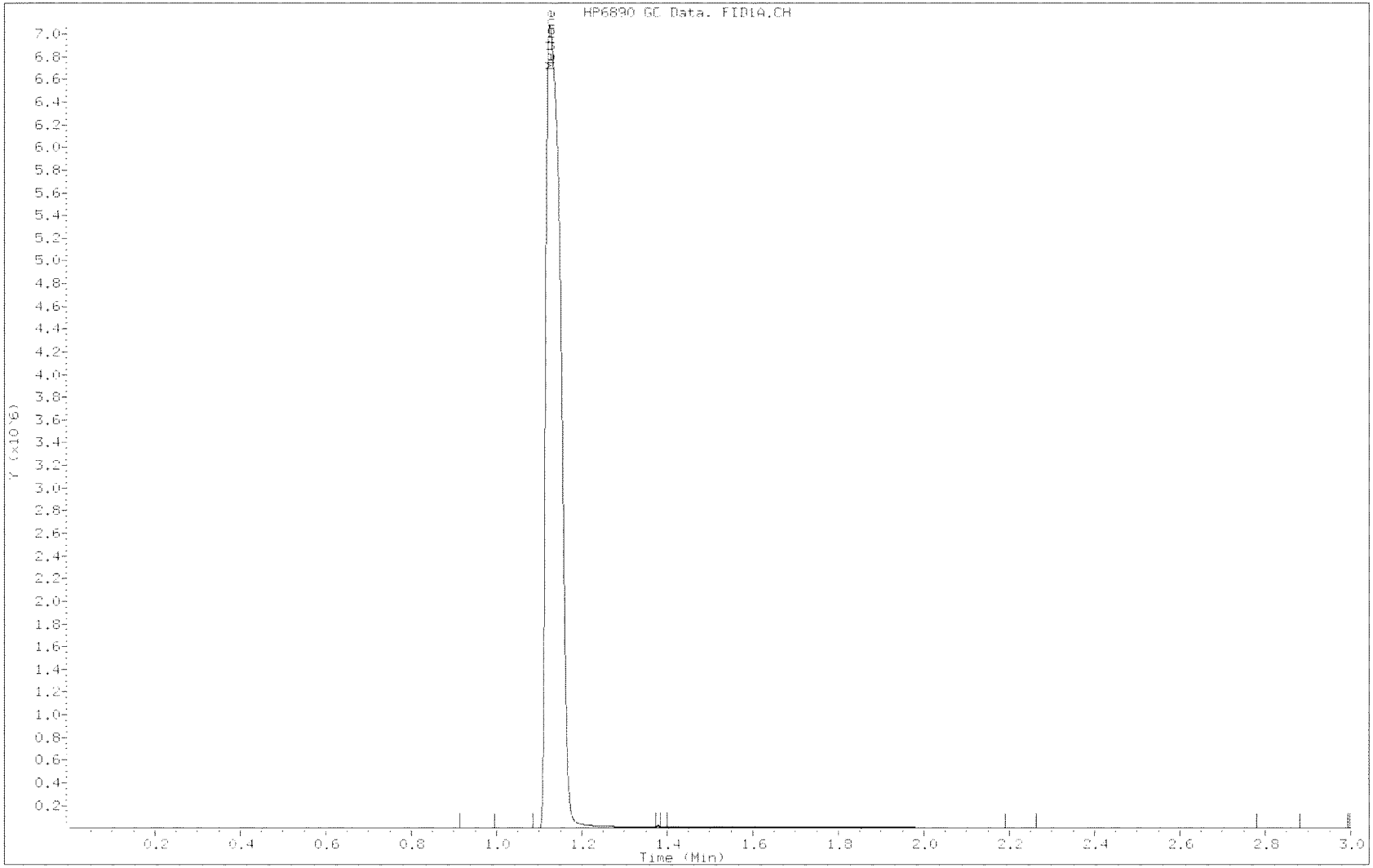
Date: 07-DEC-2011 07:41

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 98971

SDG No.:

Instrument ID: GCV_J | GC Column: RT-3PLOT | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2011 07:10 | Calibration End Date: 12/07/2011 07:41 | Calibration ID: 7993

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-98971/8	008F0801.D
Level 2	IC 280-98971/1	001F0101.D
Level 3	IC 280-98971/2	002F0201.D
Level 4	IC 280-98971/3	003F0301.D
Level 5	ICRT 280-98971/4	004F0401.D
Level 6	IC 280-98971/5	005F0501.D
Level 7	IC 280-98971/6	006F0601.D
Level 8	IC 280-98971/7	007F0701.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Methane	1.140	1.142	1.143	1.146	1.142	1.143	1.145	1.140			1.112 - 1.172	1.143
Ethylene	+++++	1.342	1.343	1.344	1.340	1.341	1.343	1.338			1.310 - 1.370	1.174
AcetyleneEthane	+++++	1.430	1.430	1.432	1.428	1.429	1.430	1.424			1.398 - 1.458	1.250

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 98971

SDG No.:

Instrument ID: GCV_J | GC Column: RT-3PLOT | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2011 07:10 | Calibration End Date: 12/07/2011 07:41 | Calibration ID: 7993

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-98971/8	008F0801.D
Level 2	IC 280-98971/1	001F0101.D
Level 3	IC 280-98971/2	002F0201.D
Level 4	IC 280-98971/3	003F0301.D
Level 5	ICRT 280-98971/4	004F0401.D
Level 6	IC 280-98971/5	005F0501.D
Level 7	IC 280-98971/6	006F0601.D
Level 8	IC 280-98971/7	007F0701.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							
Methane	1195.9 1187.1	1745.1 1176.8	1397.8 1192.2	1182.2 1205.0	Lin1	-0.3461382	1196.98584							1.0000	0.9900
Ethylene	+++++ 919.88	898.13 927.55	871.16 932.44	899.06 936.11	Ave		912.047791				2.6		20.0		
AcetyleneEthane	+++++ 784.56	778.64 783.49	736.41 794.09	771.12 801.07	Ave		778.482150				2.7		20.0		

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 Denver | Job No.: 280-28076-1 | Analy Batch No.: 98971

SDG No.:

Instrument ID: GCV_J | GC Column: RT-3PLOT | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2011 07:10 | Calibration End Date: 12/07/2011 07:41 | Calibration ID: 7993

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-98971/8	008F0801.D
Level 2	IC 280-98971/1	001F0101.D
Level 3	IC 280-98971/2	002F0201.D
Level 4	IC 280-98971/3	003F0301.D
Level 5	ICRT 280-98971/4	004F0401.D
Level 6	IC 280-98971/5	005F0501.D
Level 7	IC 280-98971/6	006F0601.D
Level 8	IC 280-98971/7	007F0701.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
Methane	Lin1	17286603 173582	1609 802234	2572 3710201	21752	87486	14455 148	0.922 673	1.84 3079	18.4	73.7
Ethylene	Ave	+++++ 236525	1437 357126	2779 597522	28680	117469	+++++ 255	1.60 383	3.19 638	31.9	128
AcetyleneEthane	Ave	+++++ 387594	2406 589295	4551 990759	47655	194100	+++++ 495	3.09 742	6.18 1237	61.8	247

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\001F0101.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:10
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 1   Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	1.142	1.142	0.000	1609	0.92200	0.9220(a)
2 Ethene	1.341	1.340	0.001	1437	1.60000	1.581(a)
3 AcetyleneEthane	1.429	1.428	0.001	2406	3.09000	3.078(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: 001F0101.D

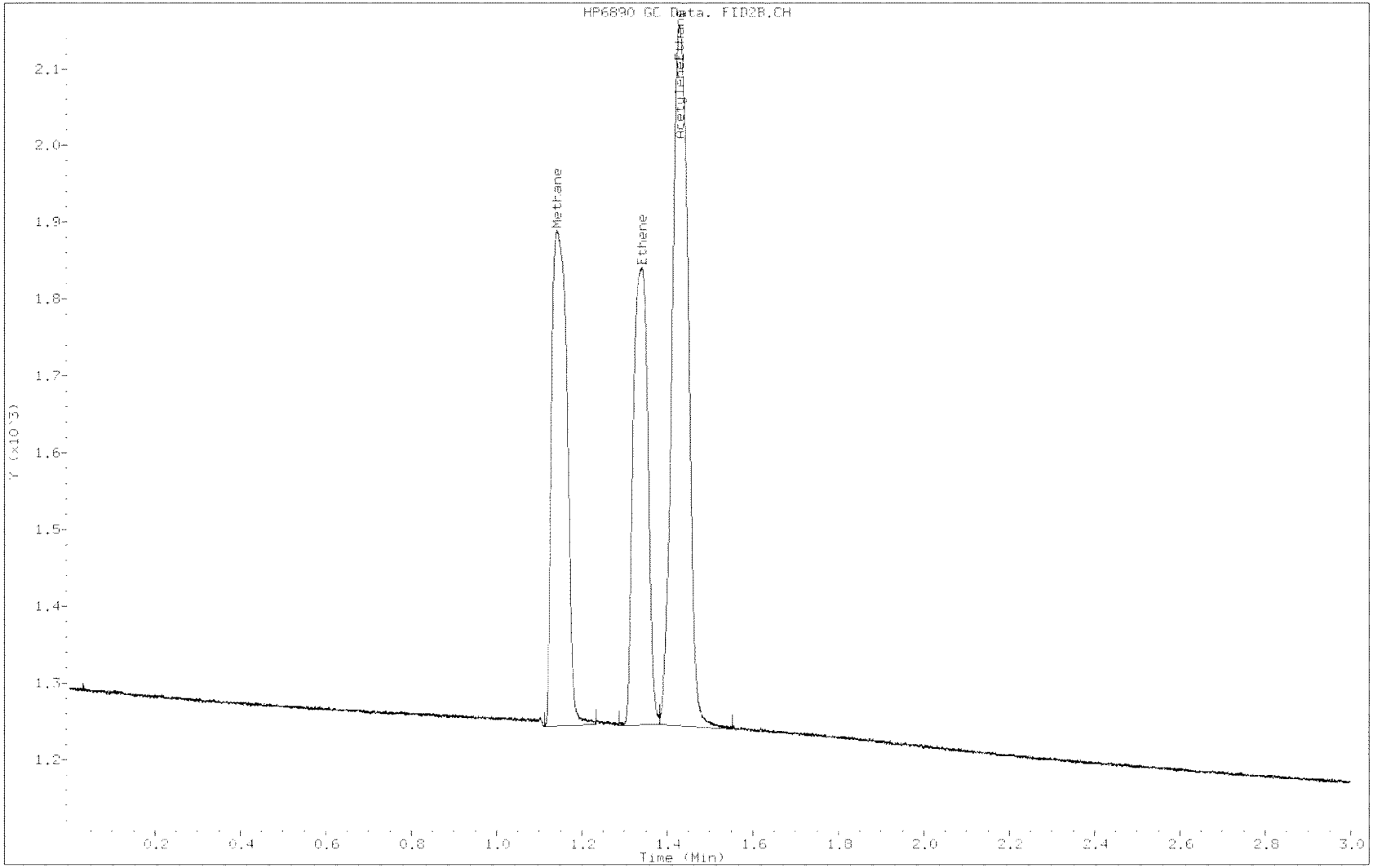
Date: 07-DEC-2011 07:10

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\002F0201.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:15
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:15   Cal File: 002F0201.D
Als bottle: 2   Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.142	1.142	0.000	2572	1.84000	1.772(a)
2 Ethene	1.342	1.340	0.002	2779	3.19000	3.100(a)
3 AcetyleneEthane	1.430	1.428	0.002	4551	6.18000	5.937

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: 002F0201.D

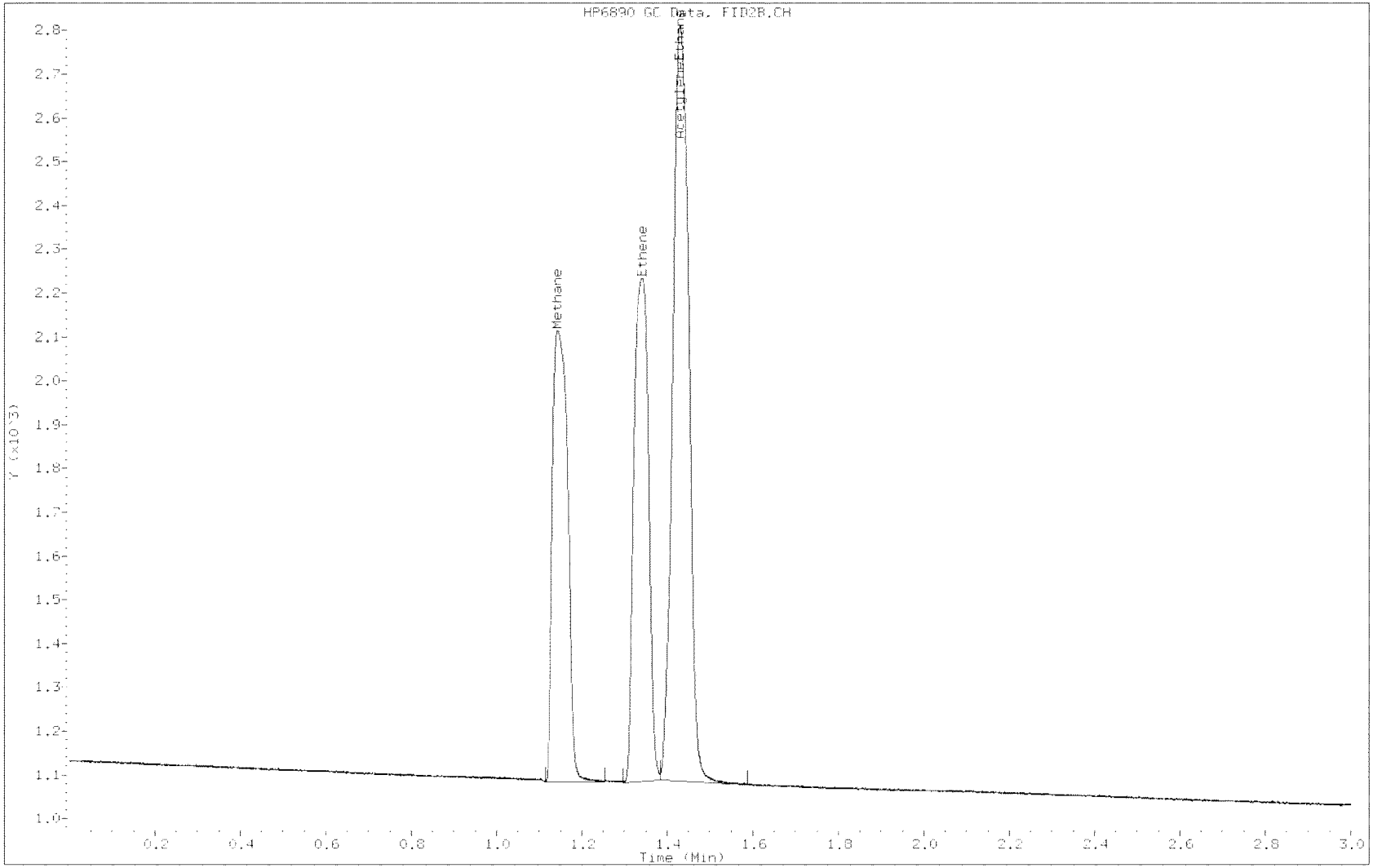
Date: 07-DEC-2011 07:15

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\003F0301.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:19
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:19   Cal File: 003F0301.D
Als bottle: 3   Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	1.146	1.142	0.004	21752	18.4000	18.10
2 Ethene	1.344	1.340	0.004	28680	31.9000	31.97
3 AcetyleneEthane	1.432	1.428	0.004	47655	61.8000	62.08

Data File: 003F0301.D

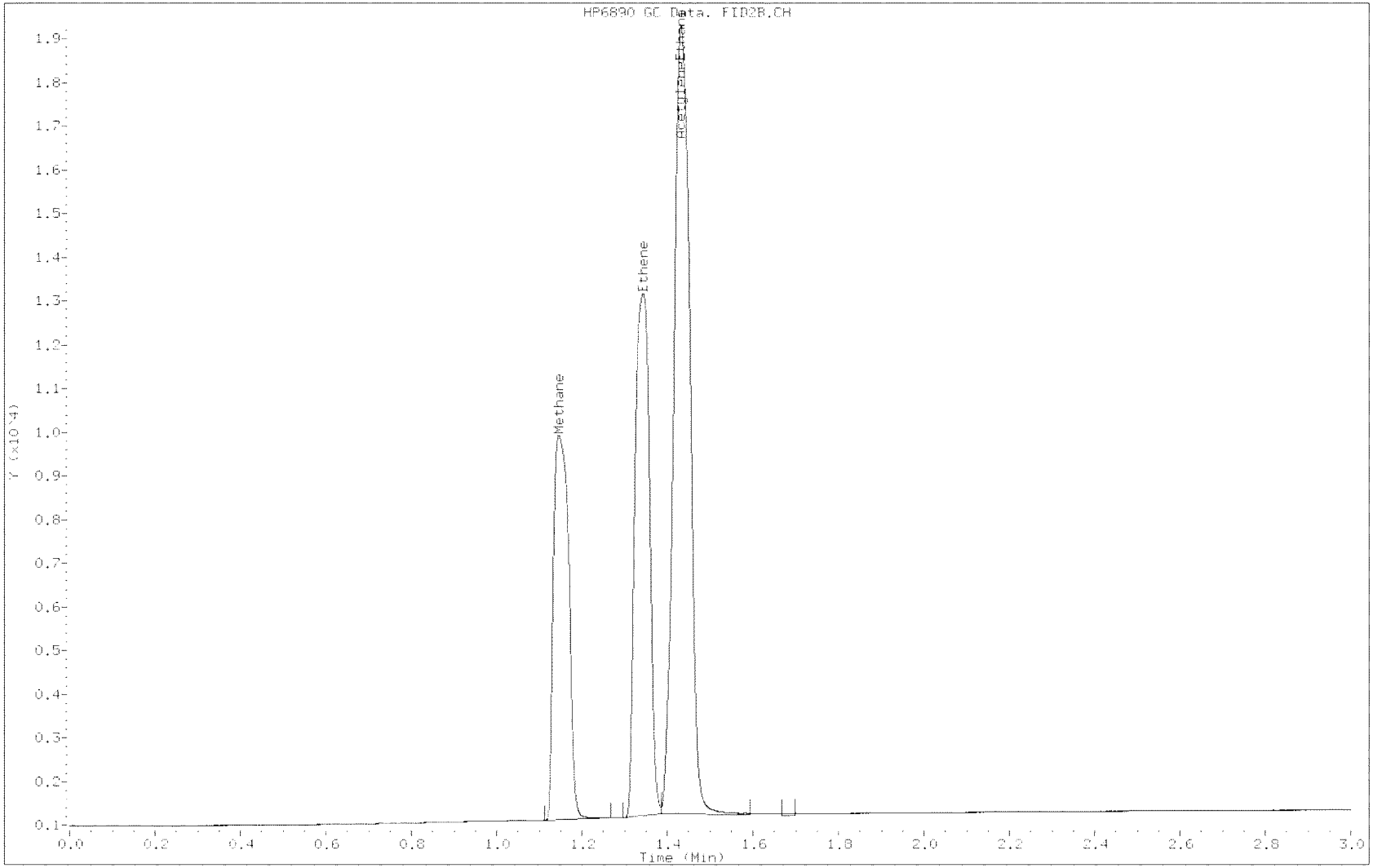
Date: 07-DEC-2011 07:19

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\004F0401.D
Lab Smp Id: ICRT-366388
Inj Date : 07-DEC-2011 07:23
Operator : BMG   Inst ID: GC_J.i
Smp Info : ICRT-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:23   Cal File: 004F0401.D
Als bottle: 4   Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.142	1.142	0.000	87486	73.7000	74.01
2 Ethene	1.340	1.340	0.000	117469	127.700	130.9
3 AcetyleneEthane	1.428	1.428	0.000	194100	247.400	252.8

Data File: 004F0401.D

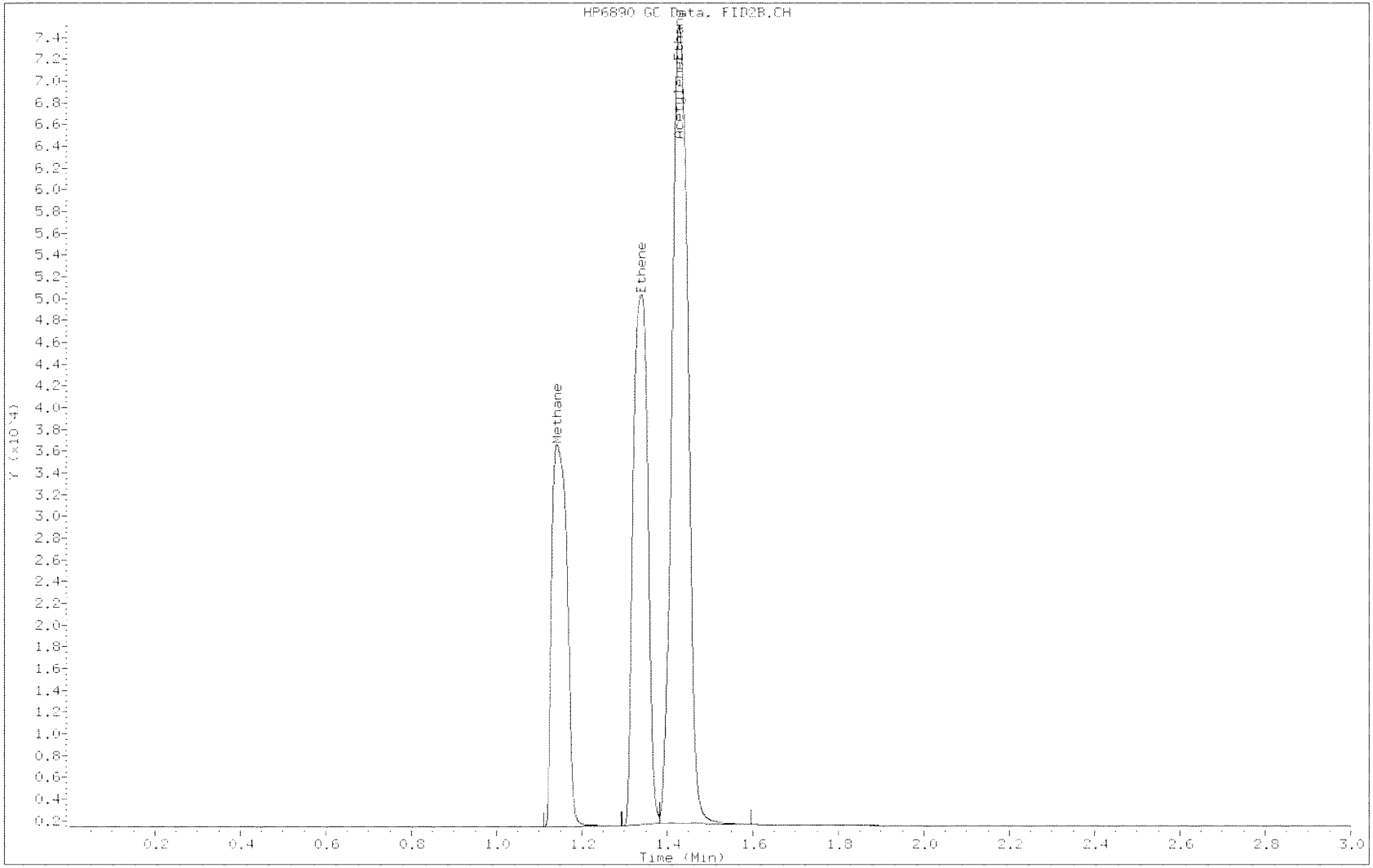
Date: 07-DEC-2011 07:23

Client ID:

Instrument: GC_J.i

Sample Info: ICRT-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\005F0501.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:28
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:28   Cal File: 005F0501.D
Als bottle: 5   Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Methane	1.143	1.142	0.001	173582	147.500	147.4
2 Ethene	1.341	1.340	0.001	236525	255.000	261.9
3 AcetyleneEthane	1.428	1.428	0.000	387594	494.700	502.8

Data File: 005F0501.D

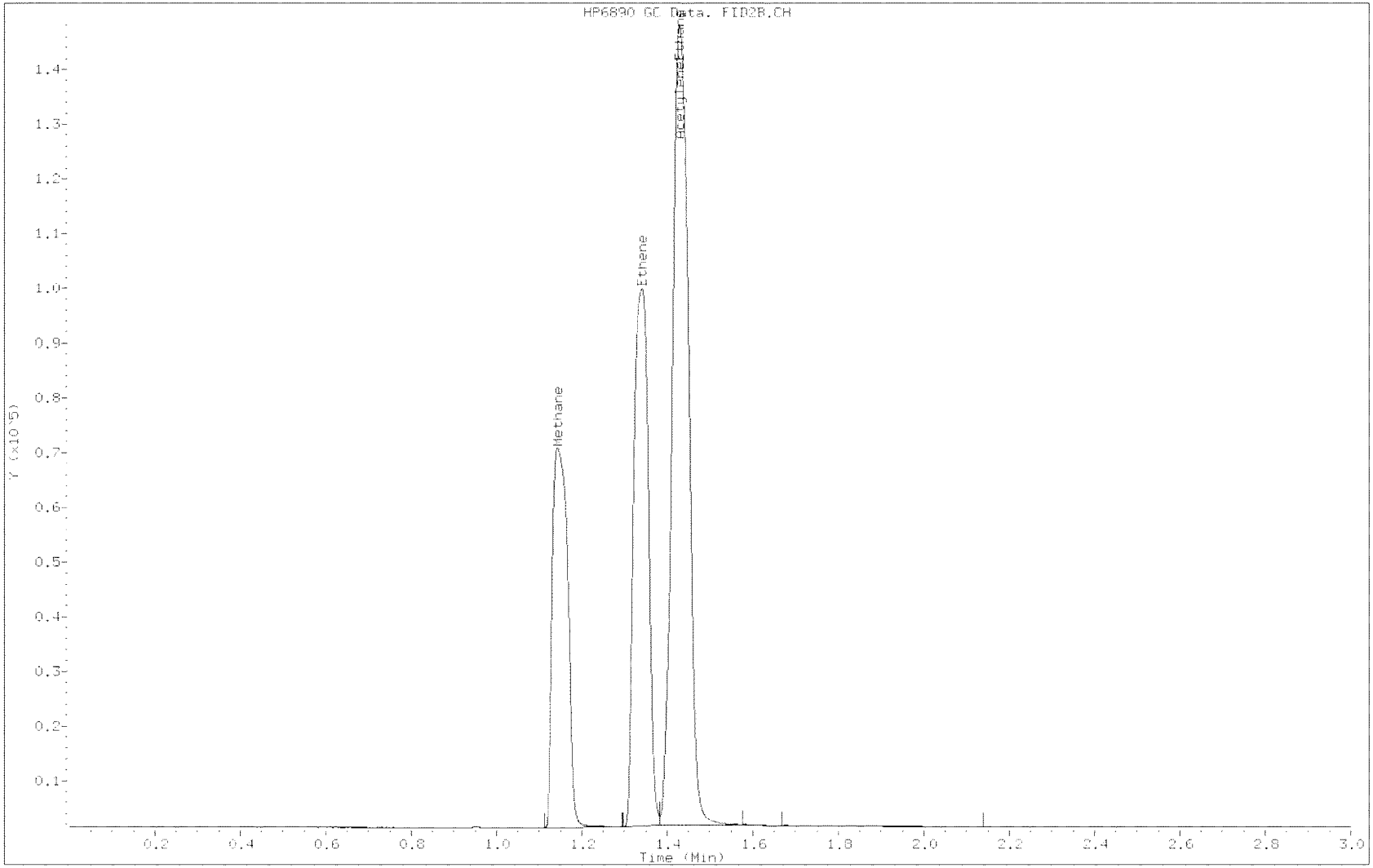
Date: 07-DEC-2011 07:28

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\006F0601.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:32
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:32   Cal File: 006F0601.D
Als bottle: 6   Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.144	1.142	0.002	802234	672.900	675.3
2 Ethene	1.343	1.340	0.003	357126	383.000	393.3
3 AcetyleneEthane	1.430	1.428	0.002	589295	742.100	760.6

Data File: 006F0601.D

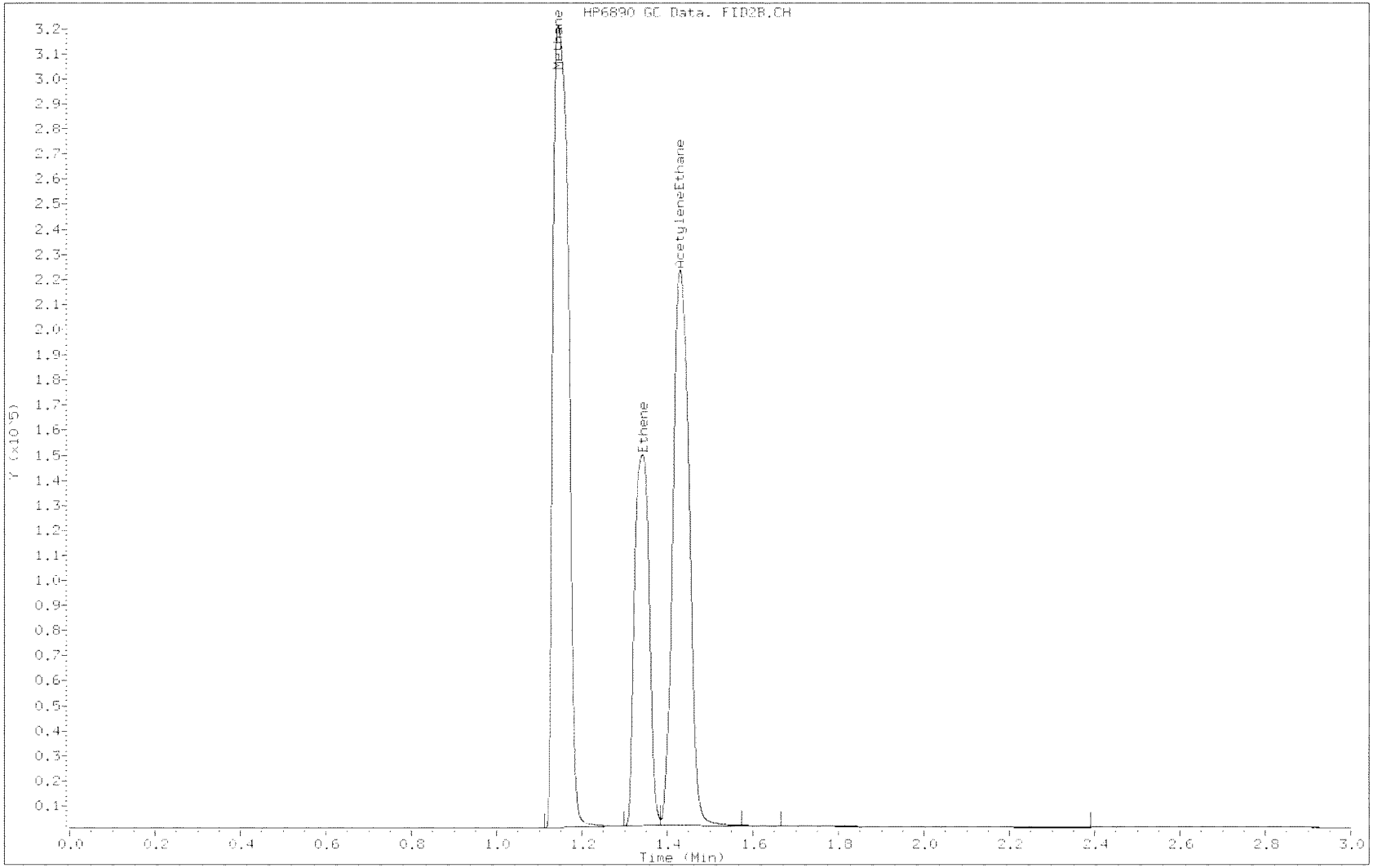
Date: 07-DEC-2011 07:32

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\007F0701.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:37
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:37   Cal File: 007F0701.D
Als bottle: 7   Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.139	1.142	-0.003	3710201	3078.90	3089
2 Ethene	1.338	1.340	-0.002	597522	638.300	655.1(A)
3 AcetyleneEthane	1.424	1.428	-0.004	990759	1236.80	1273(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: 007F0701.D

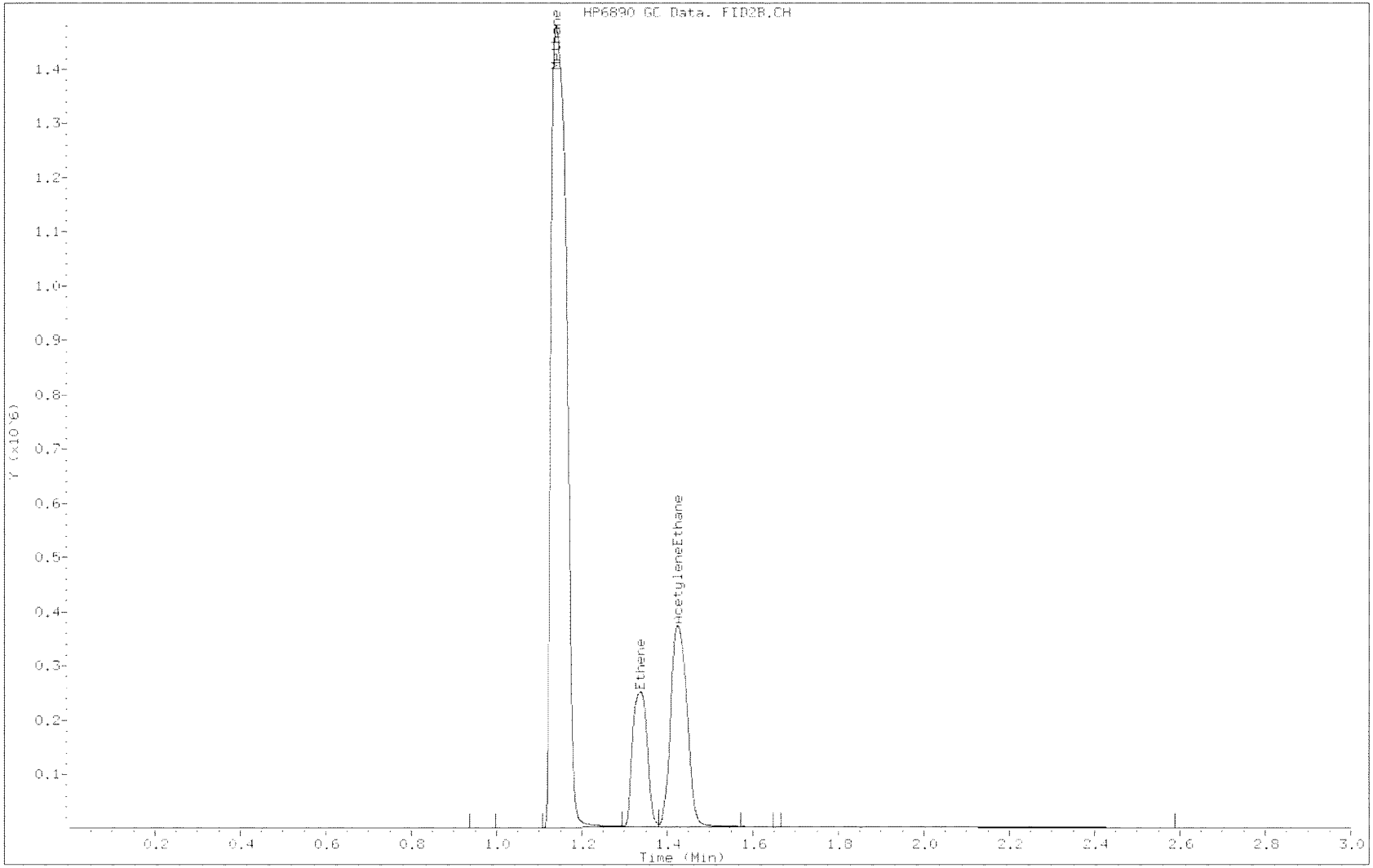
Date: 07-DEC-2011 07:37

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\008F0801.D
Lab Smp Id: IC-366388
Inj Date : 07-DEC-2011 07:41
Operator : BMG   Inst ID: GC_J.i
Smp Info : IC-366388
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 8   Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	1.140	1.142	-0.002	17286603	14454.7	14440
2 Ethene	Compound Not Detected.					
3 AcetyleneEthane	Compound Not Detected.					

Data File: 008F0801.D

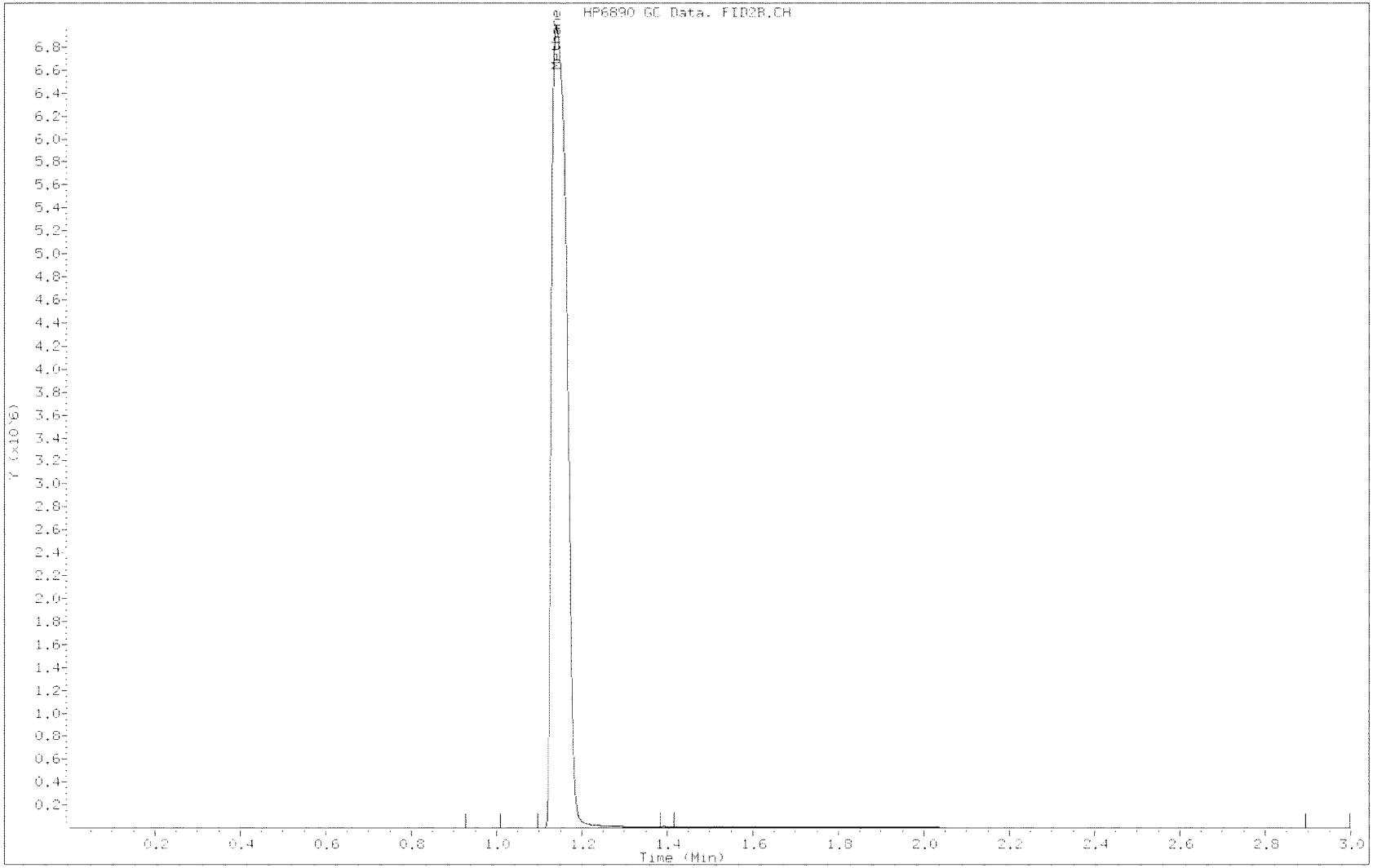
Date: 07-DEC-2011 07:41

Client ID:

Instrument: GC_J.i

Sample Info: IC-366388

Operator: BMG



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 280-28076-1 Analy Batch No.: 28893

SDG No.:

Instrument ID: RSK GC Column: Rt-Alumina ID: 0.53 Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2012 08:17 Calibration End Date: 02/20/2012 10:12 Calibration ID: 4105

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-28893/8	02201211.D
Level 2	IC 180-28893/1	02201203.D
Level 3	IC 180-28893/10	02201205.D
Level 4	IC 180-28893/2	02201204.D
Level 5	IC 180-28893/3	02201206.D
Level 6	ICRT 180-28893/4	02201207.D
Level 7	IC 180-28893/5	02201208.D
Level 8	IC 180-28893/6	02201209.D
Level 9	IC 180-28893/7	02201210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
Methane	+++++	1.049	1.049	1.049	1.050	1.050	1.050	1.050	1.050		1.020 - 1.080	1.050
Ethylene	+++++	1.383	1.383	1.382	1.383	1.384	1.384	1.383	1.383		1.352 - 1.412	1.383
Acetylene	+++++	1.431	1.431	1.431	1.432	1.432	1.432	1.432	1.432		1.401 - 1.461	1.432
Ethane	+++++	1.550	1.550	1.549	1.550	1.551	1.551	1.550	1.550		1.520 - 1.580	1.550
Propene	+++++	3.159	3.160	3.163	3.161	3.161	3.158	3.157	3.154		3.129 - 3.189	3.159
Propane	+++++	3.393	3.395	3.395	3.396	3.396	3.393	3.392	3.388		3.363 - 3.423	3.393
Butane	+++++	6.650	6.648	6.648	6.648	6.646	6.646	6.643	6.634		6.616 - 6.676	6.645
1,1,1-Trifluoroethane	2.271	+++++	2.278	+++++	2.279	2.279	2.278	2.276	+++++		2.247 - 2.307	1.518

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: Test America Pittsburgh | Job No.: 280-28076-1 | Analy Batch No.: 28893

SDG No.:

Instrument ID: RSK | GC Column: Rt-Alumina | ID: 0.53 | Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2012 08:17 | Calibration End Date: 02/20/2012 10:12 | Calibration ID: 4105

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-28893/8	02201211.D
Level 2	IC 180-28893/1	02201203.D
Level 3	IC 180-28893/10	02201205.D
Level 4	IC 180-28893/2	02201204.D
Level 5	IC 180-28893/3	02201206.D
Level 6	ICRT 180-28893/4	02201207.D
Level 7	IC 180-28893/5	02201208.D
Level 8	IC 180-28893/6	02201209.D
Level 9	IC 180-28893/7	02201210.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							
Methane	+++++ 2545.9 2701.9	3531.3 2621.3	2682.2 2643.9	2247.5 2733.7	Ave		2713.46571				13.4		20.0		
Ethylene	+++++ 2009.5 2057.1	2026.1 2093.6	1982.3 2088.4	1387.0 2076.4	Ave		1965.06729				12.1		20.0		
Acetylene	+++++ 1515.9 1454.9	1534.9 1614.1	1493.2 1529.9	1104.9 1398.8	Ave		1455.82458				10.6		20.0		
Ethane	+++++ 1613.8 1645.9	1633.5 1675.3	1588.1 1676.8	1083.0 1673.9	Ave		1573.78928				12.8		20.0		
Propene	+++++ 643.84 644.83	649.68 674.33	626.82 664.17	429.41 656.14	Ave		623.653852				12.8		20.0		
Propane	+++++ 482.09 477.11	488.58 500.49	472.85 497.10	316.02 492.12	Ave		465.793856				13.2		20.0		
Butane	+++++ 349.64 342.45	349.34 362.39	339.50 359.62	226.54 354.21	Ave		335.462221				13.3		20.0		
1,1,1-Trifluoroethane	171.87 180.48 +++++	+++++ 182.06	171.08 187.76	+++++ 183.73	Ave		179.496028				3.7		20.0		

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: Test America Pittsburgh | Job No.: 280-28076-1 | Analy Batch No.: 28893

SDG No.:

Instrument ID: RSK | GC Column: Rt-Alumina ID: 0.53 | Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2012 08:17 | Calibration End Date: 02/20/2012 10:12 | Calibration ID: 4105

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-28893/8	02201211.D
Level 2	IC 180-28893/1	02201203.D
Level 3	IC 180-28893/10	02201205.D
Level 4	IC 180-28893/2	02201204.D
Level 5	IC 180-28893/3	02201206.D
Level 6	ICRT 180-28893/4	02201207.D
Level 7	IC 180-28893/5	02201208.D
Level 8	IC 180-28893/6	02201209.D
Level 9	IC 180-28893/7	02201210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methane	Ave	+++++ 144037	4852 290561	18424 751052	6174 1484631	69946	+++++ 54.9	1.37 110	6.87 275	2.75 549	27.5
Ethylene	Ave	+++++ 201801	4883 402591	23885 1000688	6684 1982845	96847	+++++ 96.4	2.41 193	12.0 482	4.82 964	48.2
Acetylene	Ave	+++++ 144364	3432 273683	16694 625545	4941 1301327	67794	+++++ 89.4	2.24 179	11.2 447	4.47 894	44.7
Ethane	Ave	+++++ 172435	4203 345194	20433 861479	5573 1694109	83053	+++++ 103	2.57 206	12.9 515	5.15 1029	51.5
Propene	Ave	+++++ 96857	2333 190794	11254 471222	3084 926200	46239	+++++ 144	3.59 287	18.0 718	7.18 1436	71.8
Propane	Ave	+++++ 75355	1839 149690	8899 370474	2379 718354	36292	+++++ 151	3.76 301	18.8 753	7.53 1506	75.3
Butane	Ave	+++++ 71827	1731 142554	8411 351030	2245 678744	34650	+++++ 198	4.96 396	24.8 991	9.91 1982	99.1
1,1,1-Trifluoroethane	Ave	1602704 130598	+++++ 269373	15340 658966	+++++ +++++	64730	9325 717	+++++ 1435	89.7 3587	+++++ +++++	359

Curve Type Legend:
Ave = Average by Height

TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201203.D
Lab Smp Id: RSKSTD3-.025 STD
Inj Date : 20-FEB-2012 08:17
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD3-.025 STD
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 08:31 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 08:17 Cal File: 02201203.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	4852	1.37400	1.374
2 Ethene	1.382	1.381	0.001	4883	2.41000	2.410
3 Acetylene	1.431	1.430	0.001	3432	2.23600	2.236
4 Ethane	1.549	1.549	0.000	4203	2.57300	2.573
5 1,1,1-Trifluoroethane	Compound Not Detected.					
6 Propene	3.159	3.159	0.000	2333	3.59100	3.591
7 Propane	3.392	3.391	0.001	1839	3.76400	3.764
8 2-Methyl Propane	5.974	5.972	0.002	934	4.95500	4.955
9 Butane	6.649	6.649	0.000	1731	4.95500	4.955
10 Pentane	9.875	9.877	-0.002	9154	30.7980	30.80

Data File: 02201203.D

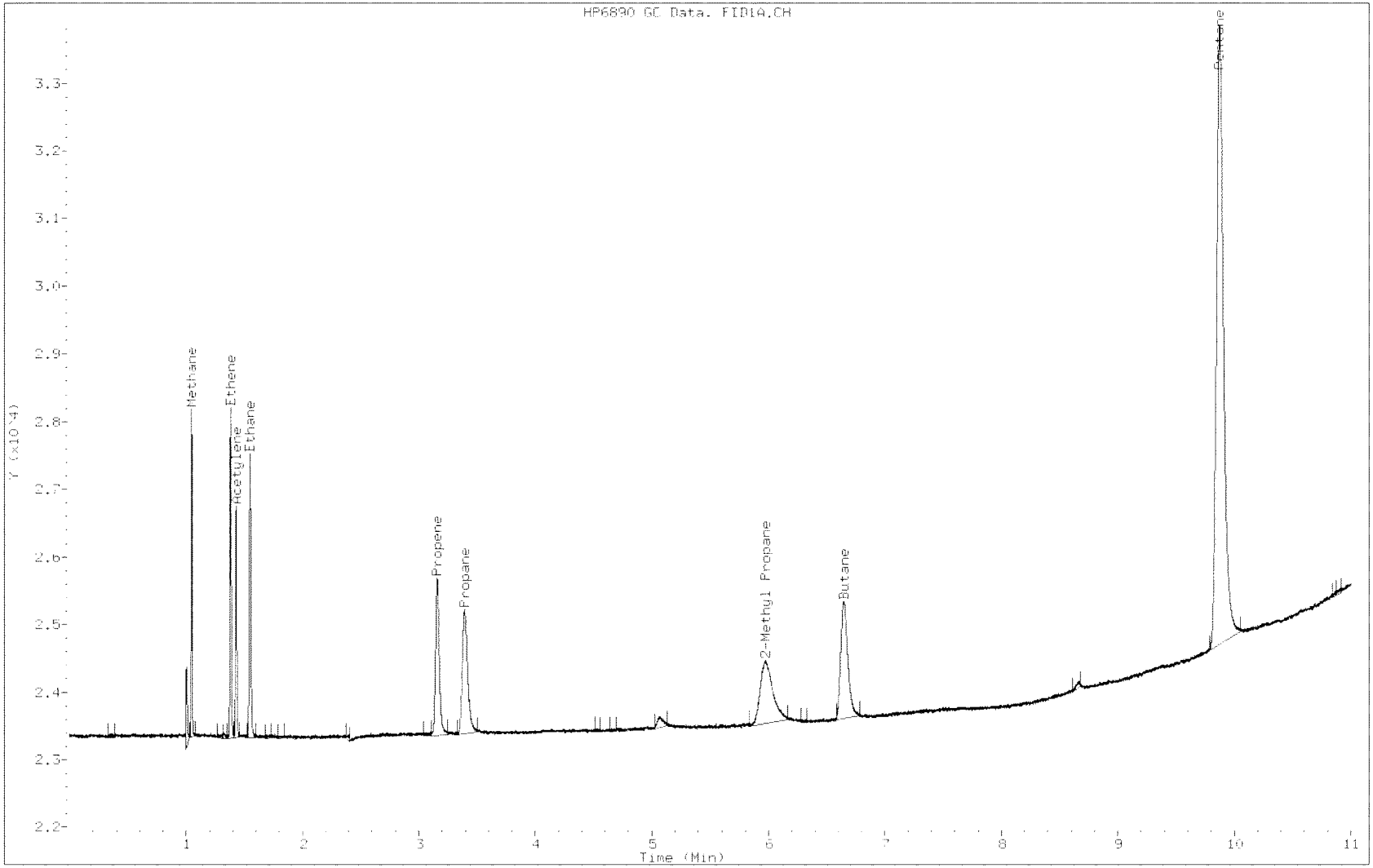
Date: 20-FEB-2012 08:17

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD3-.025 STD

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201204.D
Lab Smp Id: RSKSTD4-.050 STD
Inj Date : 20-FEB-2012 08:31
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD4-.050 STD
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 08:46 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 08:31 Cal File: 02201204.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.048	1.049	-0.001	6174	2.74700	2.137
2 Ethene	1.382	1.381	0.001	6684	4.81900	3.917
3 Acetylene	1.431	1.430	0.001	4941	4.47200	3.744
4 Ethane	1.549	1.549	0.000	5573	5.14600	4.103
5 1,1,1-Trifluoroethane	Compound Not Detected.					
6 Propene	3.163	3.160	0.003	3084	7.18200	5.716
7 Propane	3.394	3.391	0.003	2379	7.52800	5.914
8 2-Methyl Propane	5.972	5.971	0.001	1222	9.91000	7.838
9 Butane	6.648	6.649	-0.001	2245	9.91000	7.797
10 Pentane	9.875	9.877	-0.002	11710	61.5950	48.06

Data File: 02201204.D

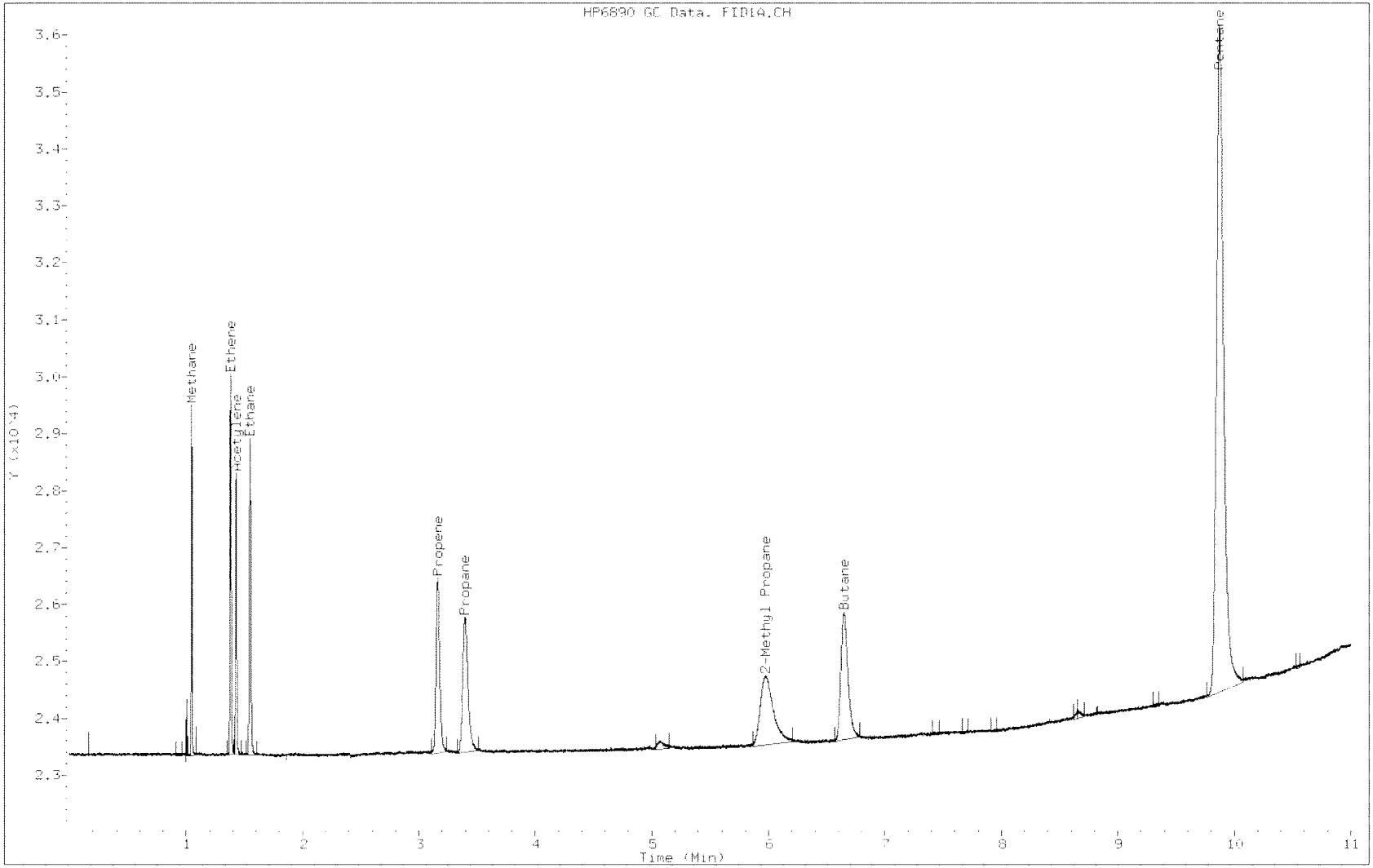
Date: 20-FEB-2012 08:31

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD4-.050 STD

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201206.D
Lab Smp Id: RSKSTD6-.500 STD
Inj Date : 20-FEB-2012 09:00
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD6-.500 STD,SURR
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 09:15 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 09:00 Cal File: 02201206.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	69946	27.4740	25.42
2 Ethene	1.383	1.381	0.002	96847	48.1940	52.31
3 Acetylene	1.432	1.430	0.002	67794	44.7210	48.00
4 Ethane	1.550	1.549	0.001	83053	51.4650	56.13
5 1,1,1-Trifluoroethane	2.278	2.279	-0.001	64730	358.663	368.2
6 Propene	3.161	3.160	0.001	46239	71.8170	78.71
7 Propane	3.395	3.393	0.002	36292	75.2810	82.50
8 2-Methyl Propane	5.972	5.971	0.001	18399	99.1010	108.4
9 Butane	6.647	6.649	-0.002	34650	99.1010	109.6
10 Pentane	9.871	9.874	-0.003	181225	615.950	678.0

Data File: 02201206.D

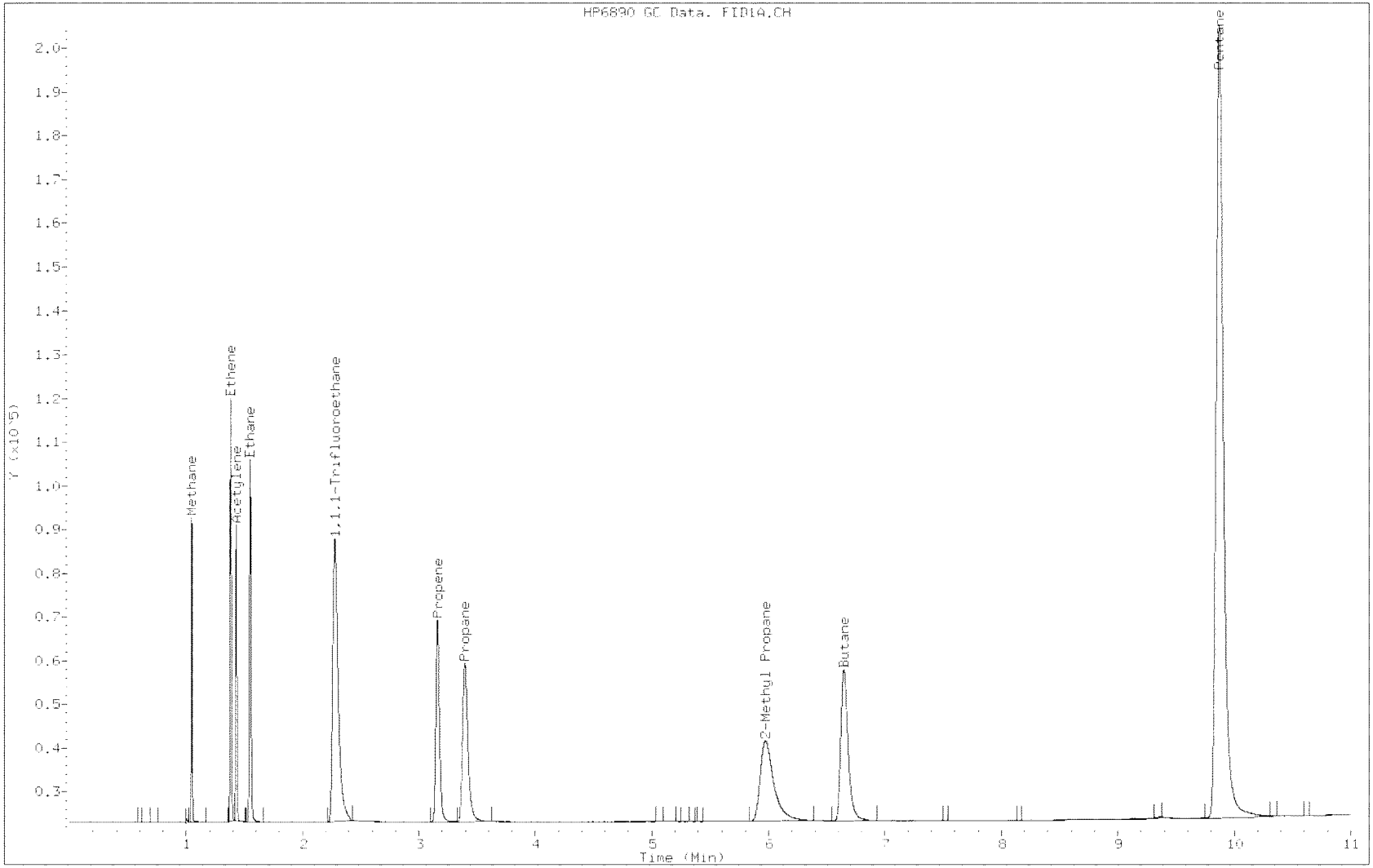
Date: 20-FEB-2012 09:00

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD6-.500 STD,SURR

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201207.D
Lab Smp Id: RSKSTD7-1.0 STD
Inj Date : 20-FEB-2012 09:15
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD7-1.0 STD,SURR
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 09:29 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 09:15 Cal File: 02201207.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	144037	54.9480	52.84
2 Ethene	1.383	1.381	0.002	201801	96.3880	106.2
3 Acetylene	1.432	1.430	0.002	144364	89.4420	99.38
4 Ethane	1.550	1.549	0.001	172435	102.930	113.5
5 1,1,1-Trifluoroethane	2.278	2.279	-0.001	130598	717.325	734.2
6 Propene	3.161	3.160	0.001	96857	143.634	160.1
7 Propane	3.395	3.394	0.001	75355	150.563	166.7
8 2-Methyl Propane	5.972	5.971	0.001	38245	198.202	219.3
9 Butane	6.645	6.648	-0.003	71827	198.202	220.7
10 Pentane	9.864	9.872	-0.008	372005	1231.90	1356

Data File: 02201207.D

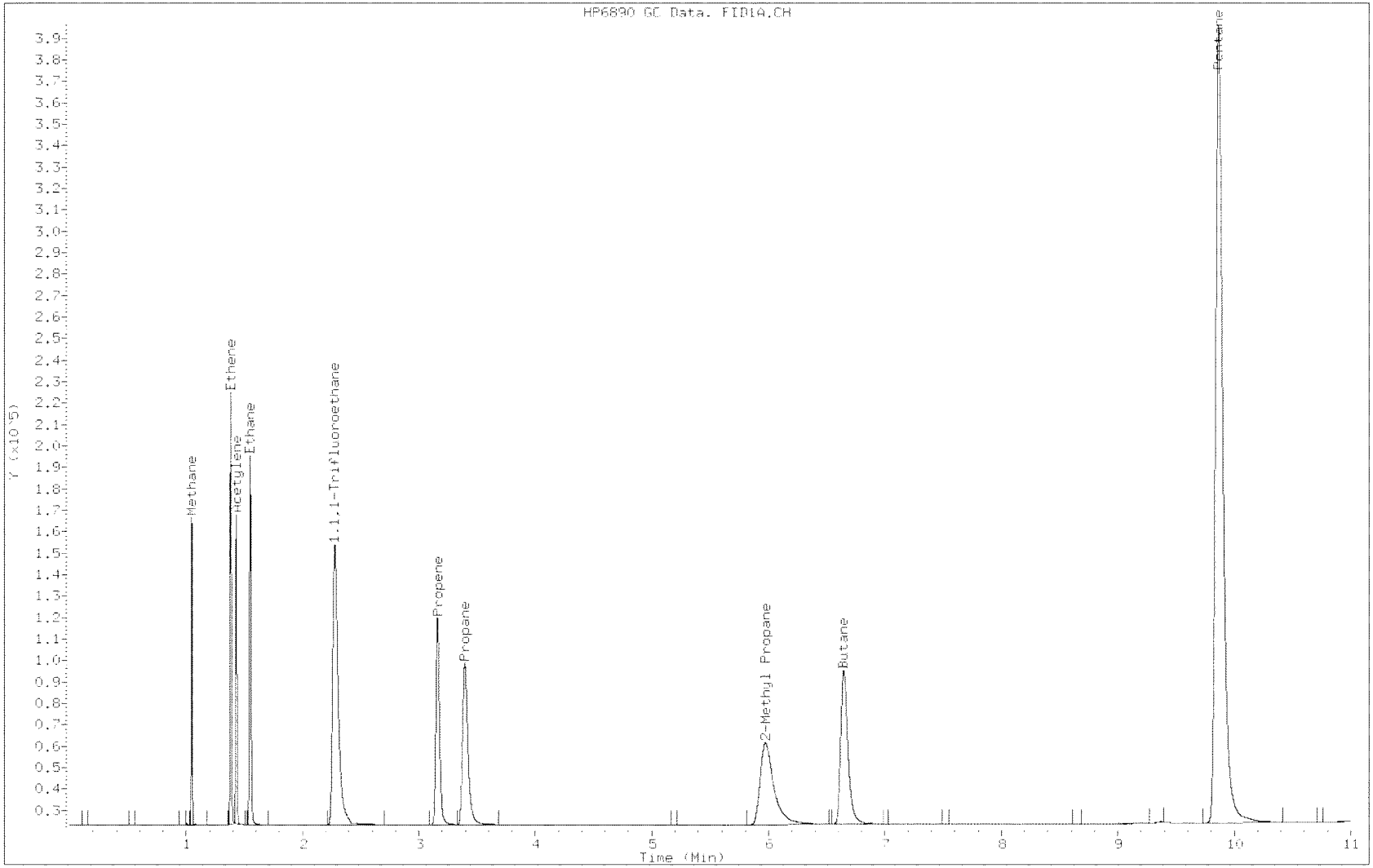
Date: 20-FEB-2012 09:15

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD7-1.0 STD,SURR

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201208.D
Lab Smp Id: RSKSTD8-2.0 STD
Inj Date : 20-FEB-2012 09:29
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD8-2.0 STD,SURR
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 09:45 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 09:29 Cal File: 02201208.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	290561	109.897	107.1
2 Ethene	1.383	1.381	0.002	402591	192.776	208.5
3 Acetylene	1.431	1.430	0.001	273683	178.884	186.8
4 Ethane	1.550	1.550	0.000	345194	205.859	223.4
5 1,1,1-Trifluoroethane	2.277	2.279	-0.002	269373	1434.65	1494
6 Propene	3.158	3.160	-0.002	190794	287.268	310.4
7 Propane	3.392	3.394	-0.002	149690	301.126	325.8
8 2-Methyl Propane	5.971	5.971	0.000	76148	396.404	429.4
9 Butane	6.646	6.648	-0.002	142554	396.404	430.4
10 Pentane	9.857	9.870	-0.013	732420	2463.80	2634

Data File: 02201208.D

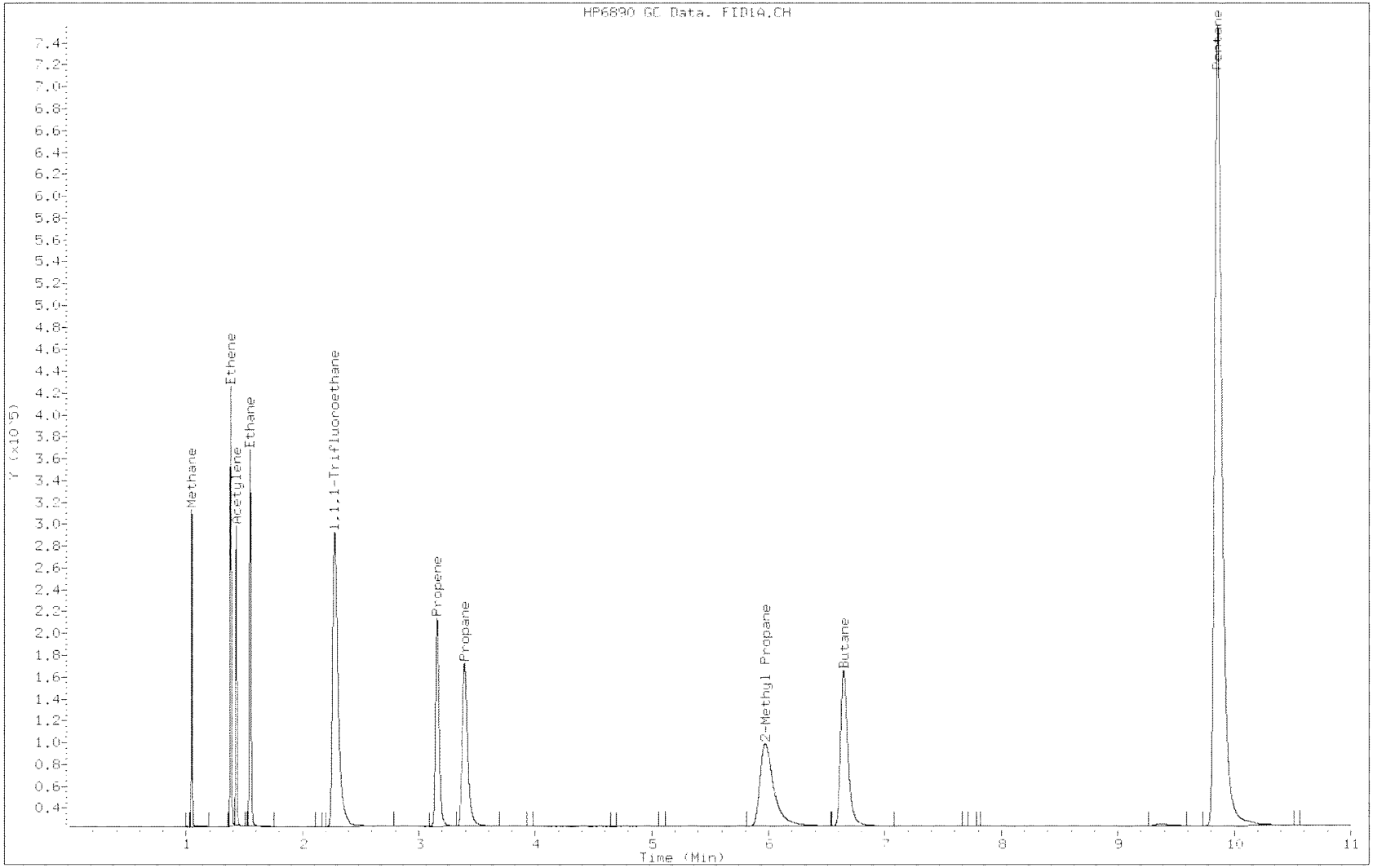
Date: 20-FEB-2012 09:29

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD8-2.0 STD,SURR

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201209.D
Lab Smp Id: RSKSTD9-5.0 STD
Inj Date : 20-FEB-2012 09:43
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD9-5.0 STD,SURR
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 09:57 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 09:43 Cal File: 02201209.D
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	751052	274.742	276.6
2 Ethene	1.383	1.381	0.002	1000688	481.940	512.7
3 Acetylene	1.431	1.430	0.001	625545	447.211	429.6
4 Ethane	1.549	1.550	-0.001	861479	514.648	551.0
5 1,1,1-Trifluoroethane	2.275	2.278	-0.003	658966	3586.63	3640
6 Propene	3.156	3.160	-0.004	471222	718.170	759.3
7 Propane	3.391	3.393	-0.002	370474	752.815	798.1
8 2-Methyl Propane	5.967	5.971	-0.004	188685	991.010	1053
9 Butane	6.642	6.647	-0.005	351030	991.010	1050
10 Pentane	9.834	9.864	-0.030	1684411	6159.50	6072

Data File: 02201209.D

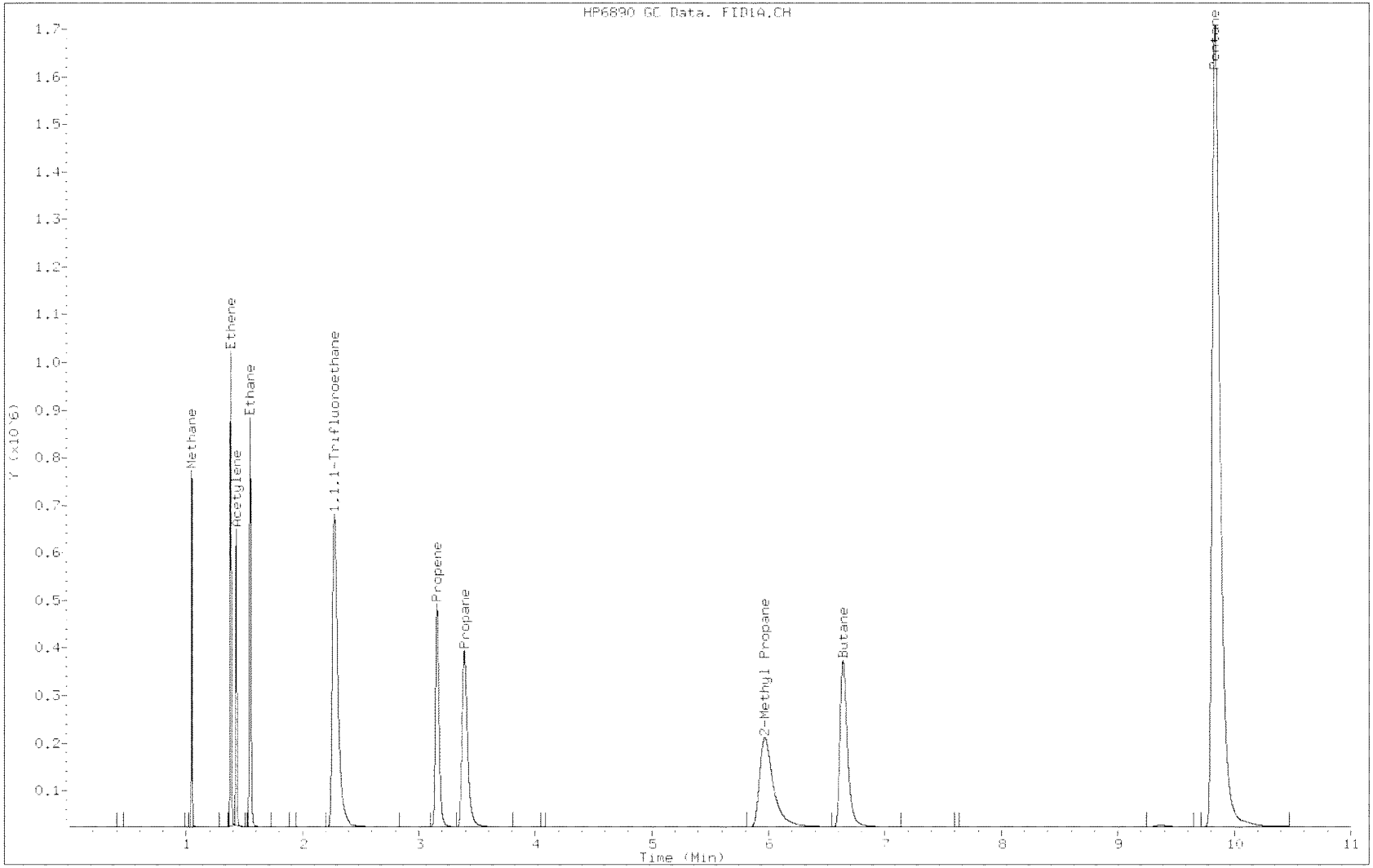
Date: 20-FEB-2012 09:43

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD9-5.0 STD,SURR

Operator: RJG 22952



TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201210.D
Lab Smp Id: RSKSTD10-10.0 STD
Inj Date : 20-FEB-2012 09:58
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD10-10.0 STD
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 13:58 MatkoL Quant Type: ESTD
Cal Date : 20-FEB-2012 09:58 Cal File: 02201210.D
Als bottle: 10 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.050	1.049	0.001	1484631	549.485	547.1
2 Ethene	1.383	1.381	0.002	1982845	963.881	1009(A)
3 Acetylene	1.432	1.431	0.001	1301327	894.422	893.9
4 Ethane	1.549	1.550	-0.001	1694109	1029.30	1076(A)
5 1,1,1-Trifluoroethane	Compound Not Detected.					
6 Propene	3.153	3.159	-0.006	926200	1436.34	1485(A)
7 Propane	3.387	3.393	-0.006	718354	1505.63	1542(A)
8 2-Methyl Propane	5.960	5.969	-0.009	367585	1982.02	2042(A)
9 Butane	6.633	6.646	-0.013	678744	1982.02	2023(A)
10 Pentane	9.807	9.808	-0.001	2945499	12319.0	10800

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 02201210.D

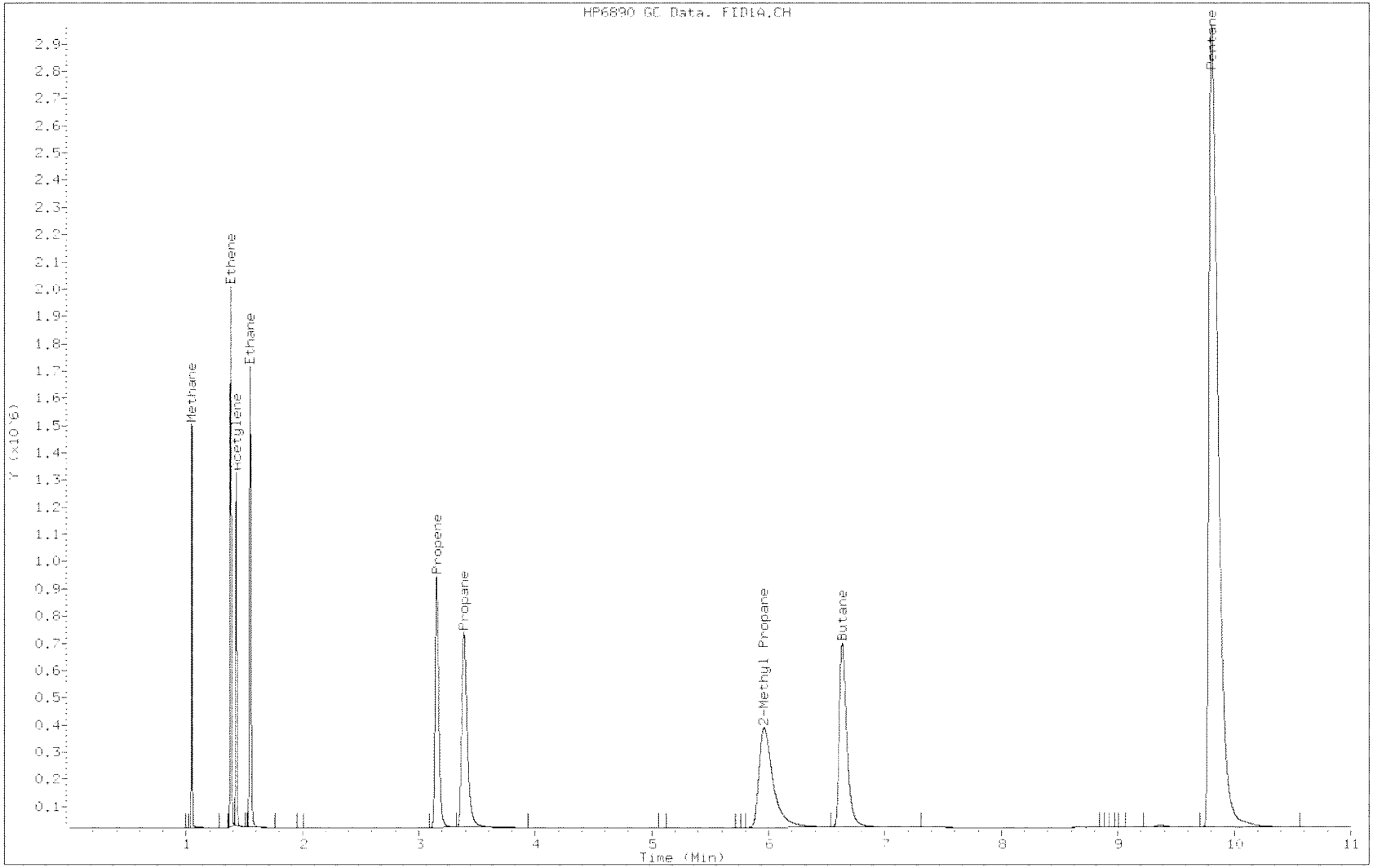
Date: 20-FEB-2012 09:58

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD10-10.0 STD

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201211.D
Lab Smp Id: RSKSTD11-10.0 NC SU
Inj Date : 20-FEB-2012 10:12
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD11-10.0 NC SURR
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 10:28 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 11 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	4352	0.00000	1.604
2 Ethene	1.384	1.381	0.003	2354	0.00000	1.198
3 Acetylene	1.433	1.430	0.003	2352	0.00000	1.616
4 Ethane	1.551	1.550	0.001	1995	0.00000	1.268
5 1,1,1-Trifluoroethane	2.270	2.277	-0.007	1602704	9325.23	8929
6 Propene	3.159	3.159	0.000	1277	0.00000	2.048
7 Propane	3.395	3.393	0.002	889	0.00000	1.908
8 2-Methyl Propane	5.965	5.969	-0.004	160	0.00000	0.8890
9 Butane	6.647	6.645	0.002	942	0.00000	2.808
10 Pentane	9.877	9.866	0.011	6092	0.00000	21.96

Data File: 02201211.D

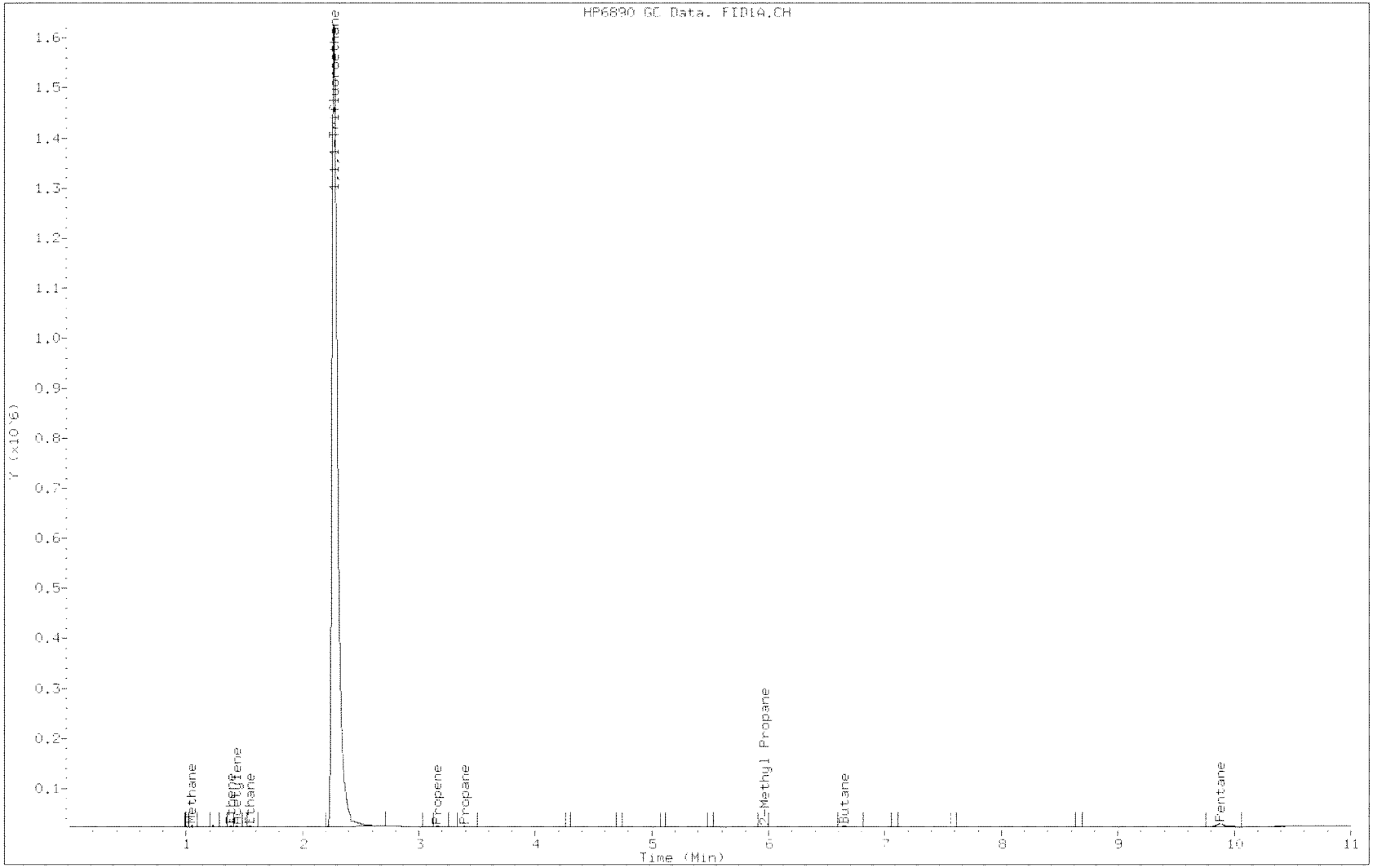
Date: 20-FEB-2012 10:12

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD11-10.0 NC SURR

Operator: RJG 22952



TestAmerica

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R022012A.B\02201205.D
Lab Smp Id: RSKSTD5-.125 STD
Inj Date : 20-FEB-2012 08:46
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : RSKSTD5-.125 STD,SURR
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R022012A.B\RSKLL.m
Meth Date : 20-Feb-2012 09:01 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 08:46 Cal File: 02201205.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0035

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.049	1.049	0.000	18424	6.86900	6.532(M)
2 Ethene	1.382	1.381	0.001	23885	12.0490	13.28
3 Acetylene	1.431	1.430	0.001	16694	11.1800	12.12
4 Ethane	1.549	1.549	0.000	20433	12.8660	14.24
5 1,1,1-Trifluoroethane	2.278	2.278	0.000	15340	89.6660	89.67
6 Propene	3.160	3.160	0.000	11254	17.9540	19.79
7 Propane	3.394	3.392	0.002	8899	18.8200	20.90
8 2-Methyl Propane	5.972	5.971	0.001	4494	24.7750	27.34
9 Butane	6.647	6.649	-0.002	8411	24.7750	27.56
10 Pentane	9.874	9.876	-0.002	44295	153.988	171.5

QC Flag Legend

M - Compound response manually integrated.

Data File: 02201205.D

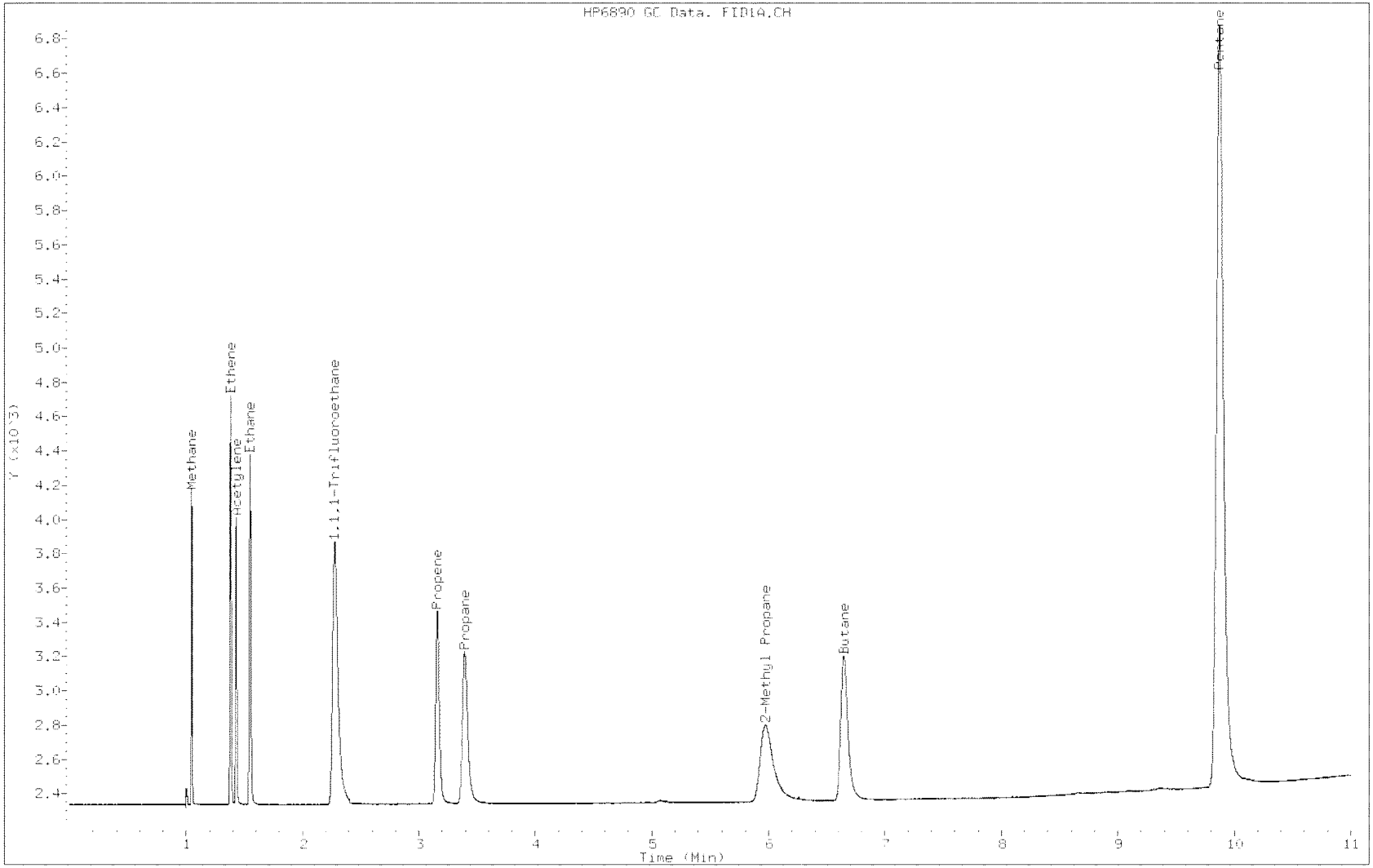
Date: 20-FEB-2012 08:46

Client ID:

Instrument: RSK.i

Sample Info: RSKSTD5-.125 STD,SURR

Operator: RJG 22952



Manual Integration Report

Data File: 02201205.D
Inj. Date and Time: 20-FEB-2012 08:46
Instrument ID: RSK.i
Client ID:
Compound: 1 Methane
CAS #: 74-84-0
Report Date: 02/21/2012

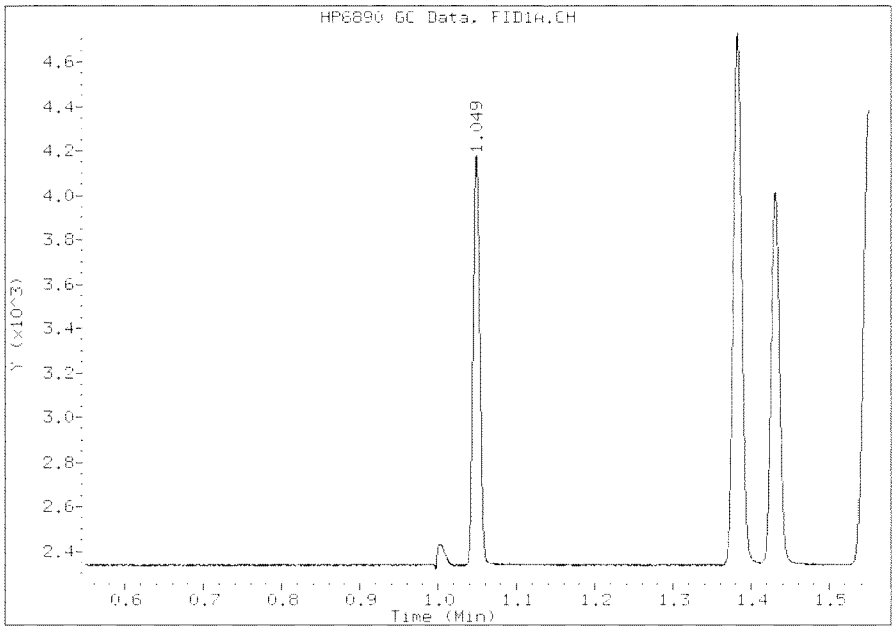
Processing Integration Results

RT: 1.05

Response: 18512

Amount: 6.55

Conc: 6.55



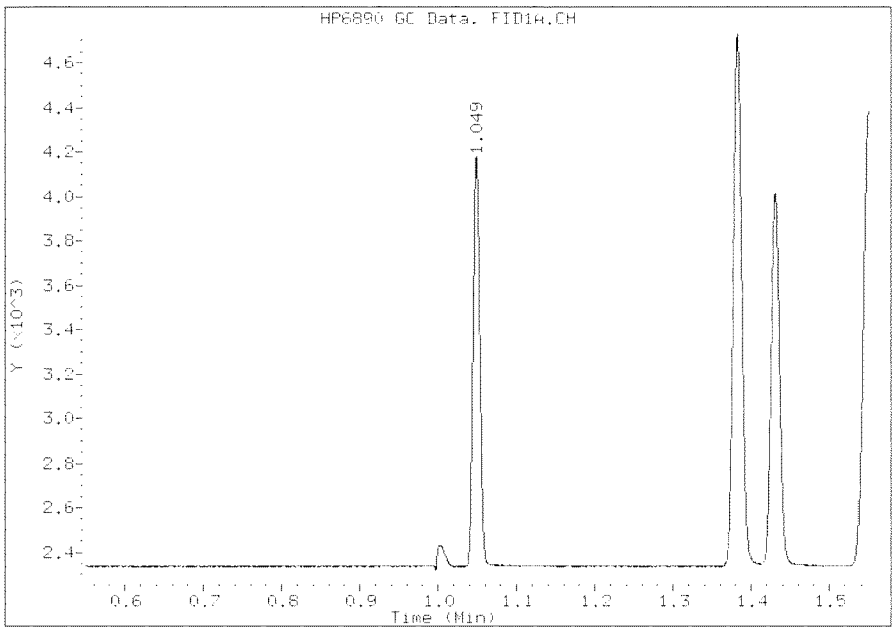
Manual Integration Results

RT: 1.05

Response: 18424

Amount: 6.53

Conc: 6.53



Manually Integrated By:
Modification Date:
Manual Integration Reason: Poor Chromatography

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-98971/9 Calibration Date: 12/07/2011 07:45

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 009F0901.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
Methane	Lin1	1270	1216		37.4	36.6	2.1	20.0
Ethylene	Ave	895.3	1007		72.1	63.8	12.4	20.0
Ethane	Ave	1134	1188		71.9	68.5	4.7	20.0
Acetylene	Ave	351.9	343.0		58.0	59.3	-2.5	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-98971/9 | Calibration Date: 12/07/2011 07:45

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 009F0901.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.13	1.10	1.16
Ethylene	1.34	1.30	1.36
Ethane	1.39	1.36	1.42
Acetylene	1.64	1.61	1.67

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\009F0901.D
Lab Smp Id: ICV-601423
Inj Date : 07-DEC-2011 07:45
Operator : BMG   Inst ID: GC_J.i
Smp Info : ICV-601423
Misc Info : RSK PCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B1.B\RSK-1_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 9   QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.127	1.128	-0.001	44507	37.3781	37.38(R)
2 Ethene	1.335	1.335	0.000	64262	72.0660	72.07(R)
3 Ethane	1.390	1.390	0.000	81365	71.8604	71.86(R)
4 Acetylene	1.637	1.637	0.000	20330	58.0412	58.04(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 009F0901.D

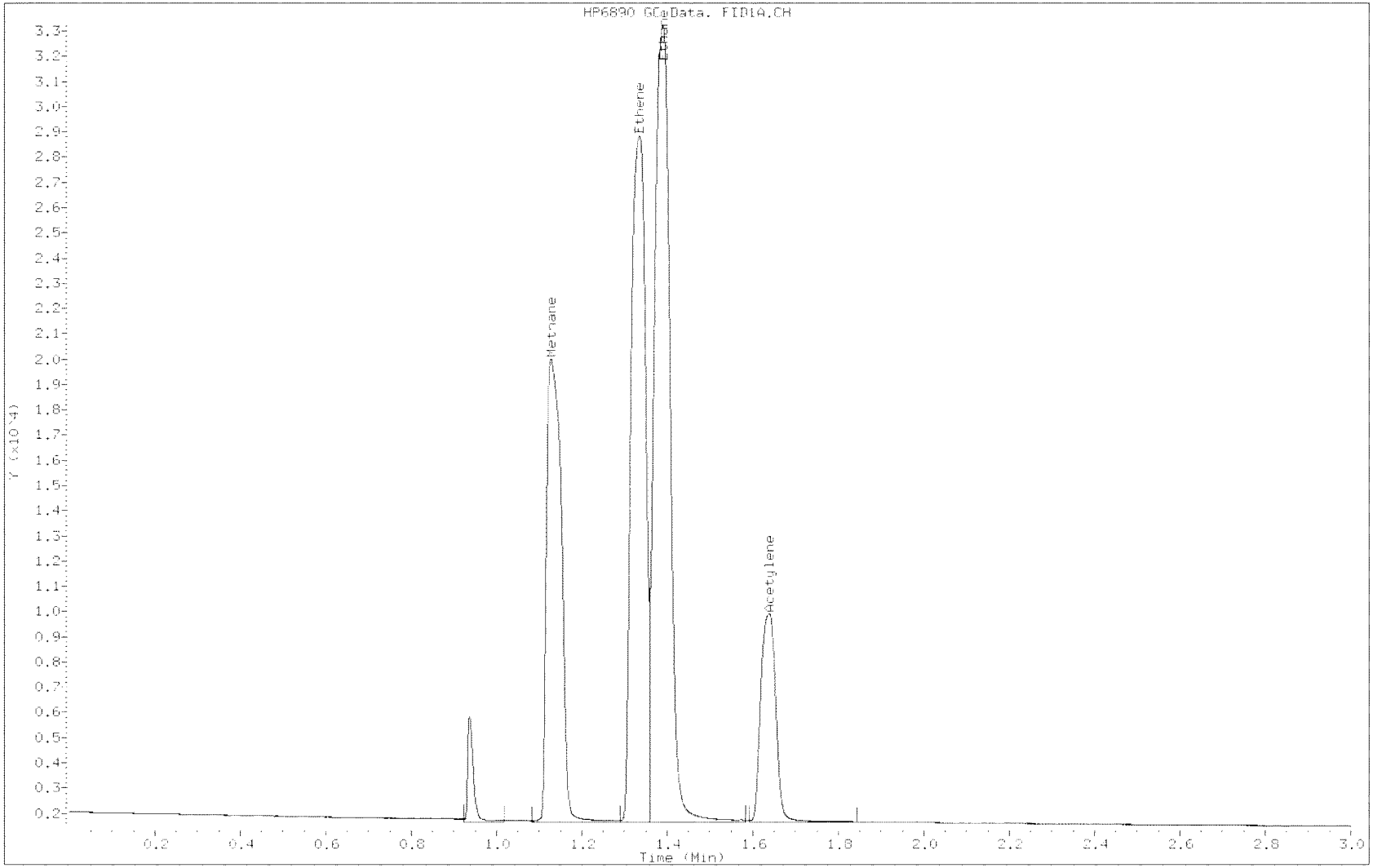
Date: 07-DEC-2011 07:45

Client ID:

Instrument: GC_J.i

Sample Info: ICV-601423

Operator: BMG



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-98971/9 Calibration Date: 12/07/2011 07:45

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 009F0901.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
Methane	Lin1	1285	1217		36.9	36.6	0.7	20.0
Ethylene	Ave	912.0	1020		71.4	63.8	11.8	20.0

FORM VI I
GC VOA CONTI NUI NG CALI BRATI ON RETENTI ON TI ME SUMMARY

Lab Name: Test Ameri ca Denver Job No.: 280-28076-1

SDG No.:

Lab Sampl e I D: I CV 280-98971/ 9 Cal i brat i on Dat e: 12/ 07/ 2011 07: 45

I nst rument I D: GCV_J Cal i b St art Dat e: 12/ 07/ 2011 07: 10

GC Col umn: RT-3PLOT I D: 0. 32(mm) Cal i b End Dat e: 12/ 07/ 2011 07: 41

Lab Fi l e I D: 009F0901. D Heat ed Purge: (Y/ N) N

Anal yt e	RT	RT WI NDOW	
		TO	FROM
Met hane	1. 14	1. 11	1. 17
Et hyl ene	1. 34	1. 31	1. 37
Acet yl eneEt hane	1. 43	1. 40	1. 46

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\009F0901.D
Lab Smp Id: ICV-601423
Inj Date : 07-DEC-2011 07:45
Operator : BMG   Inst ID: GC_J.i
Smp Info : ICV-601423
Misc Info : RSK CCol 8pt 2011-04-27
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\120711B2.B\RSK-2_8PT.m
Meth Date : 07-Dec-2011 07:58 gilbertb   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 9   QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC025

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.144	1.142	0.002	44545	36.8682	36.87(R)
2 Ethene	1.341	1.340	0.001	65088	71.3647	71.36(R)
3 AcetyleneEthane	1.430	1.428	0.002	99829	128.235	128.2(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 009F0901.D

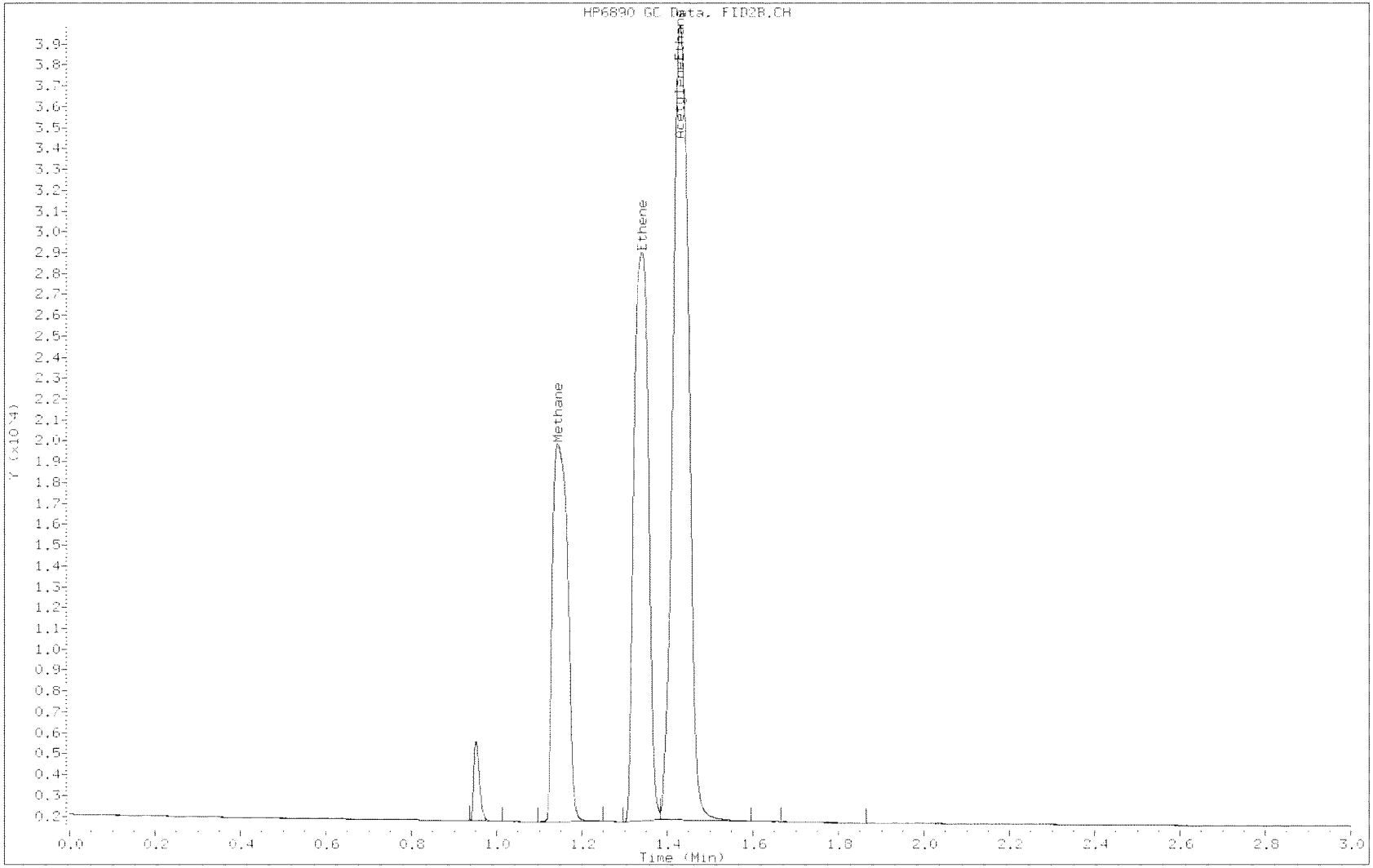
Date: 07-DEC-2011 07:45

Client ID:

Instrument: GC_J.i

Sample Info: ICV-601423

Operator: BMG



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117933/1 Calibration Date: 05/01/2012 11:59

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 002F0201.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
Methane	Lin1	1270	979.7		60.3	73.0	-17.4	20.0
Ethylene	Ave	895.3	734.4		104	127	-18.0	20.0
Ethane	Ave	1134	960.2		116	137	-15.4	20.0
Acetylene	Ave	351.9	293.5		98.4	118	-16.6	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117933/1 | Calibration Date: 05/01/2012 11:59

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 002F0201.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.13	1.10	1.16
Ethylene	1.33	1.30	1.36
Ethane	1.38	1.35	1.41
Acetylene	1.63	1.60	1.66

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\002F0201.D
Lab Smp Id: CCVRT-547490
Inj Date : 01-MAY-2012 11:59
Operator : mps   Inst ID: GC_J.i
Smp Info : CCVRT-547490
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 2   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.126	1.126	0.000	71520	73.7000	60.30
2 Ethene	1.330	1.330	0.000	93272	127.700	104.2
3 Ethane	1.383	1.383	0.000	131542	136.900	116.0
4 Acetylene	1.628	1.628	0.000	34637	119.700	98.42

Data File: 002F0201.D

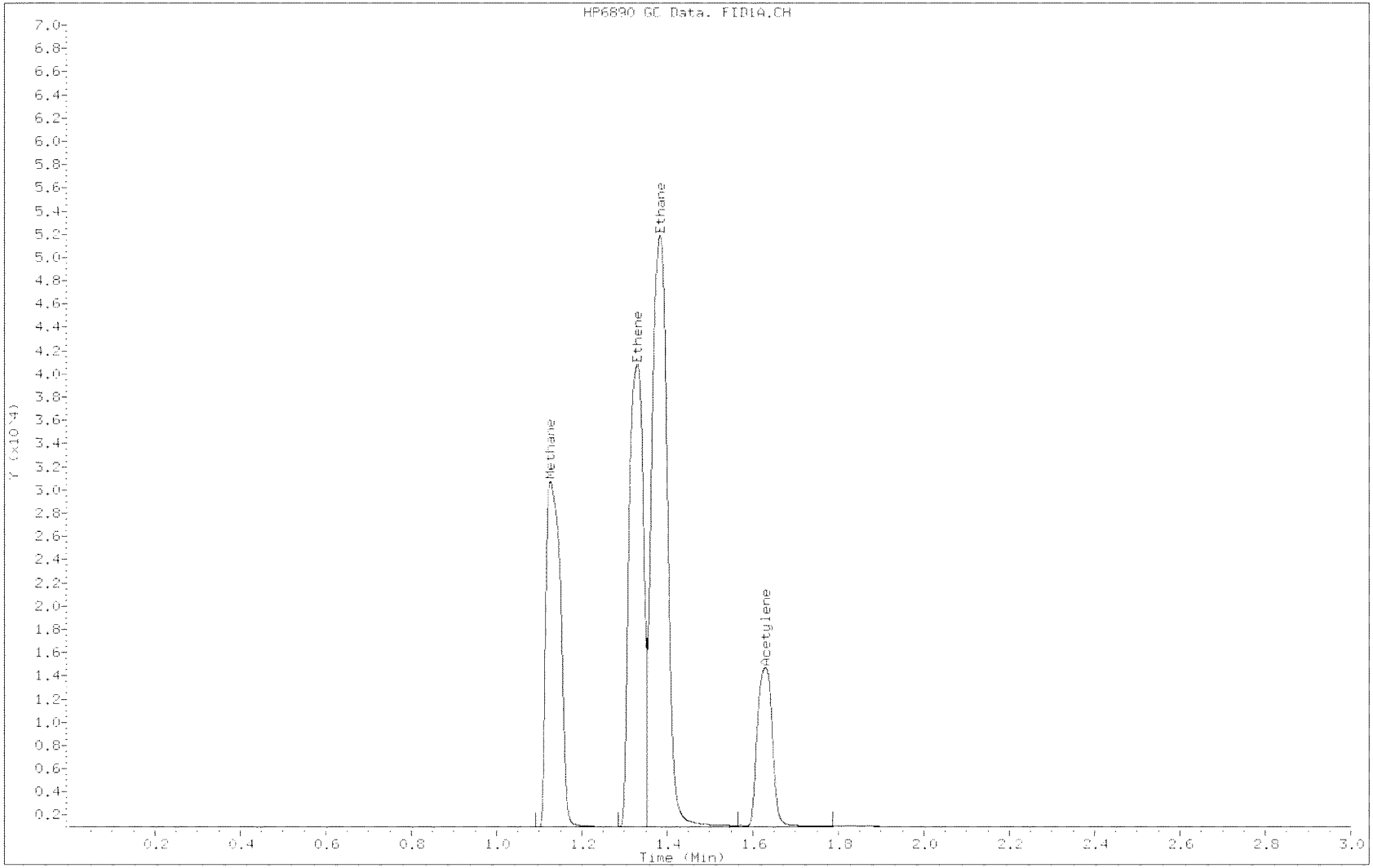
Date: 01-MAY-2012 11:59

Client ID:

Instrument: GC_J.i

Sample Info: CCVRT-547490

Operator: mps



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117933/1 | Calibration Date: 05/01/2012 11:59

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 002F0201.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
Methane	Lin1	1285	984.7		59.7	73.0	-18.2	20.0
Ethylene	Ave	912.0	745.9		104	127	-18.2	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-117933/1 Calibration Date: 05/01/2012 11:59

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 002F0201.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.14	1.11	1.17
Ethylene	1.34	1.31	1.37
AcetyleneEthane	1.43	1.40	1.46

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\002F0201.D
Lab Smp Id: CCVRT-547490
Inj Date : 01-MAY-2012 11:59
Operator : mps   Inst ID: GC_J.i
Smp Info : CCVRT-547490
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 2   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.142	1.142	0.000	71881	73.7000	59.70
2 Ethene	1.337	1.337	0.000	94725	127.700	103.8
3 AcetyleneEthane	1.425	1.425	0.000	161259	247.400	207.1

Data File: 002F0201.D

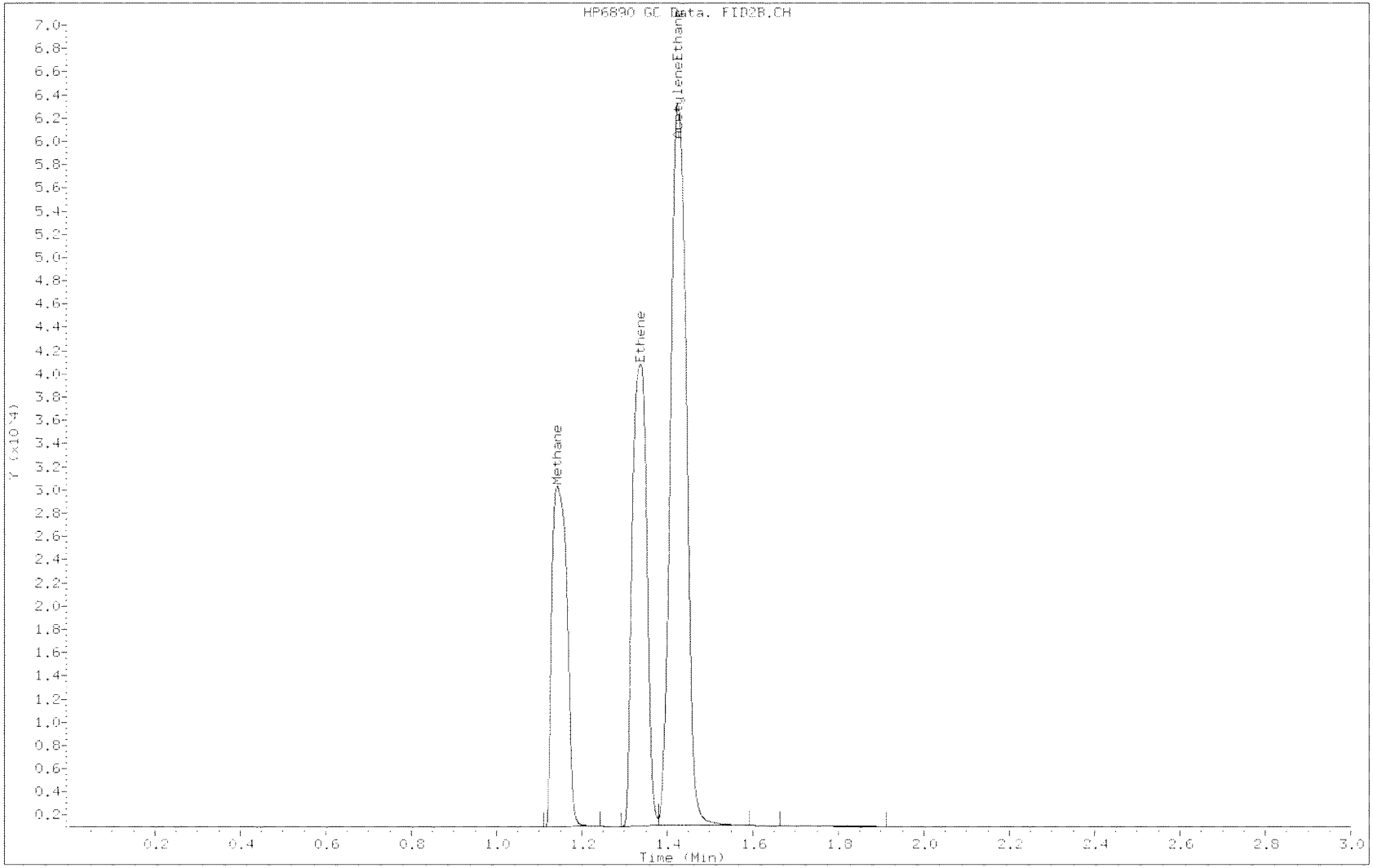
Date: 01-MAY-2012 11:59

Client ID:

Instrument: GC_J.i

Sample Info: CCVRT-547490

Operator: mps



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/5 Calibration Date: 05/01/2012 13:52

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 016F1601.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
Methane	Lin1	1270	1188		73.2	73.0	0.2	20.0
Ethylene	Ave	895.3	885.7		126	127	-1.1	20.0
Ethane	Ave	1134	1143		138	137	0.8	20.0
Acetylene	Ave	351.9	332.1		111	118	-5.6	20.0

FORM VI I
GC VOA CONTI NUI NG CALI BRATI ON RETENTI ON TI ME SUMMARY

Lab Name: Test Ameri ca Denver Job No.: 280-28076-1

SDG No.:

Lab Sampl e I D: CCV 280-117933/ 5 Cal i brat i on Dat e: 05/ 01/ 2012 13: 52

I nst rument I D: GCV_J Cal i b St art Dat e: 12/ 07/ 2011 07: 10

GC Col umn: RT-VPLOT I D: 0. 32(mm) Cal i b End Dat e: 12/ 07/ 2011 07: 41

Lab Fi l e I D: 016F1601. D Heat ed Purge: (Y/ N) N

Anal yt e	RT	RT WI NDOW	
		TO	FROM
Met hane	1. 13	1. 10	1. 16
Et hyl ene	1. 33	1. 30	1. 36
Et hane	1. 38	1. 35	1. 41
Acet yl ene	1. 63	1. 60	1. 66

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\016F1601.D
Lab Smp Id: CCV-547490
Inj Date : 01-MAY-2012 13:52
Operator : mps   Inst ID: GC_J.i
Smp Info : CCV-547490
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.127	1.126	0.001	86691	73.1667	73.17(M)
2 Ethene	1.331	1.330	0.001	112479	125.626	125.6(M)
3 Ethane	1.384	1.383	0.001	156655	138.095	138.1(M)
4 Acetylene	1.628	1.628	0.000	39191	111.359	111.4(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 016F1601.D

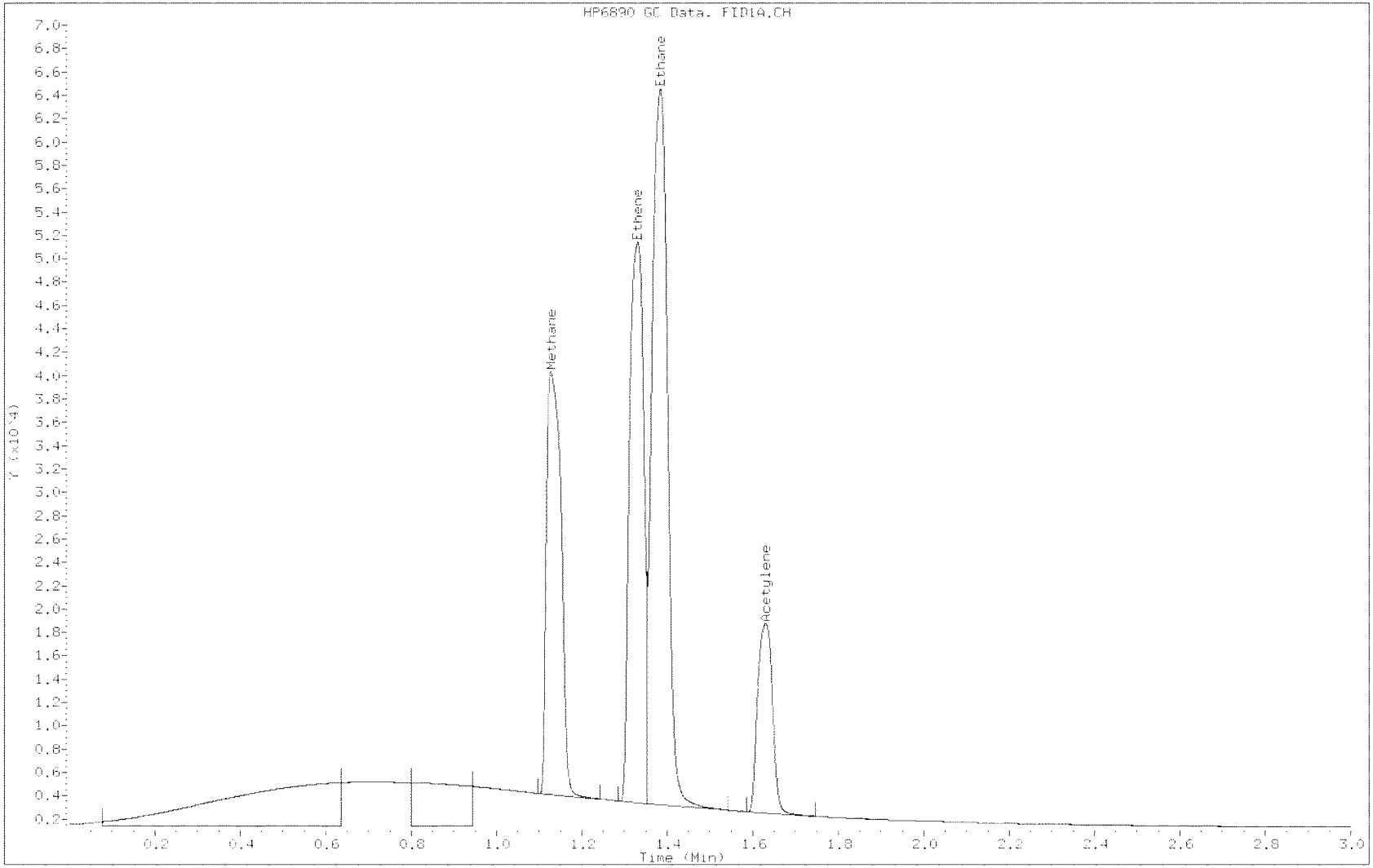
Date: 01-MAY-2012 13:52

Client ID:

Instrument: GC_J.i

Sample Info: CCV-547490

Operator: mps



Manual Integration Report

Data File: 016F1601.D
Inj. Date and Time: 01-MAY-2012 13:52
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

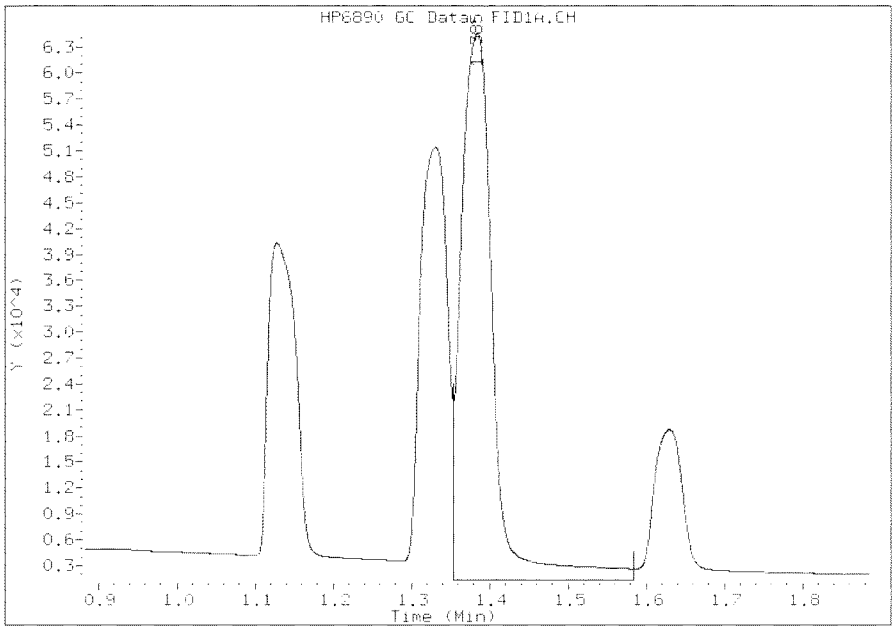
Processing Integration Results

RT: 1.38

Response: 178604

Amount: 157.44

Conc: 157.44



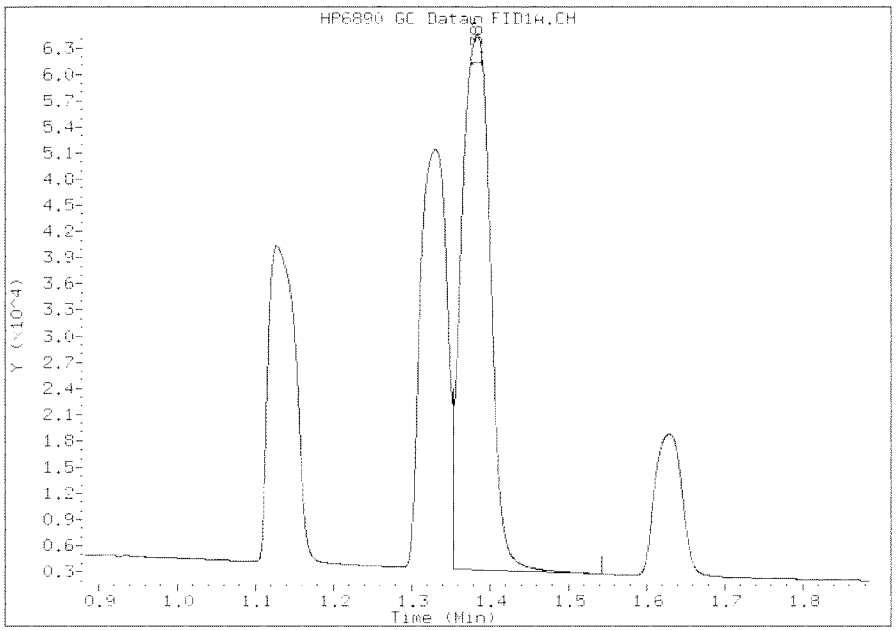
Manual Integration Results

RT: 1.38

Response: 156655

Amount: 138.09

Conc: 138.09



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 016F1601.D
Inj. Date and Time: 01-MAY-2012 13:52
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 05/02/2012

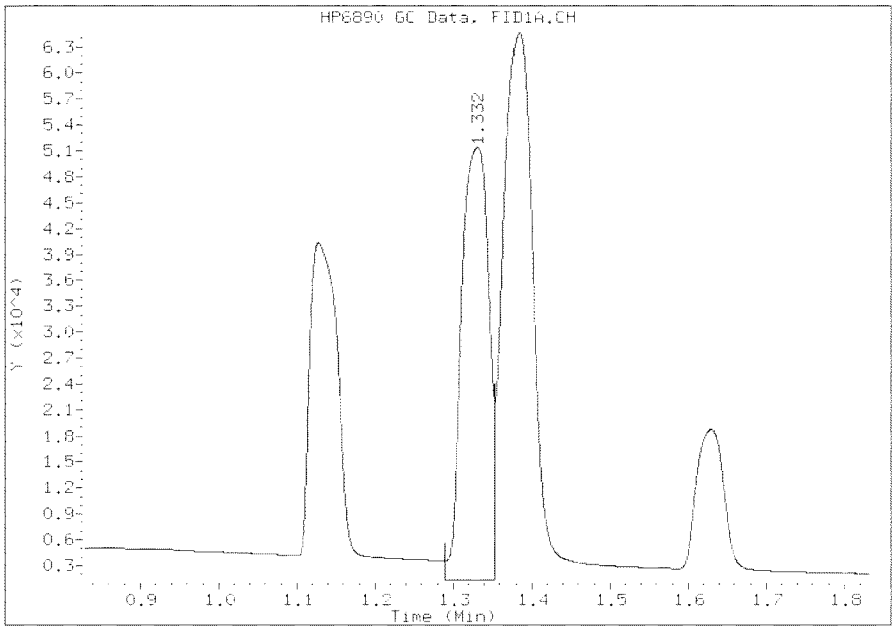
Processing Integration Results

RT: 1.33

Response: 120306

Amount: 134.37

Conc: 134.37



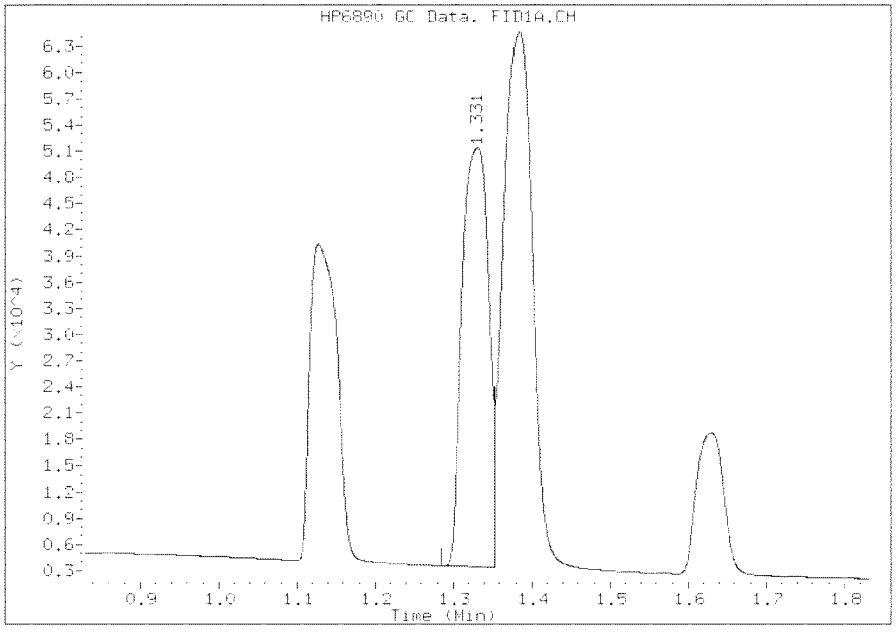
Manual Integration Results

RT: 1.33

Response: 112479

Amount: 125.63

Conc: 125.63



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 016F1601.D
Inj. Date and Time: 01-MAY-2012 13:52
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 05/02/2012

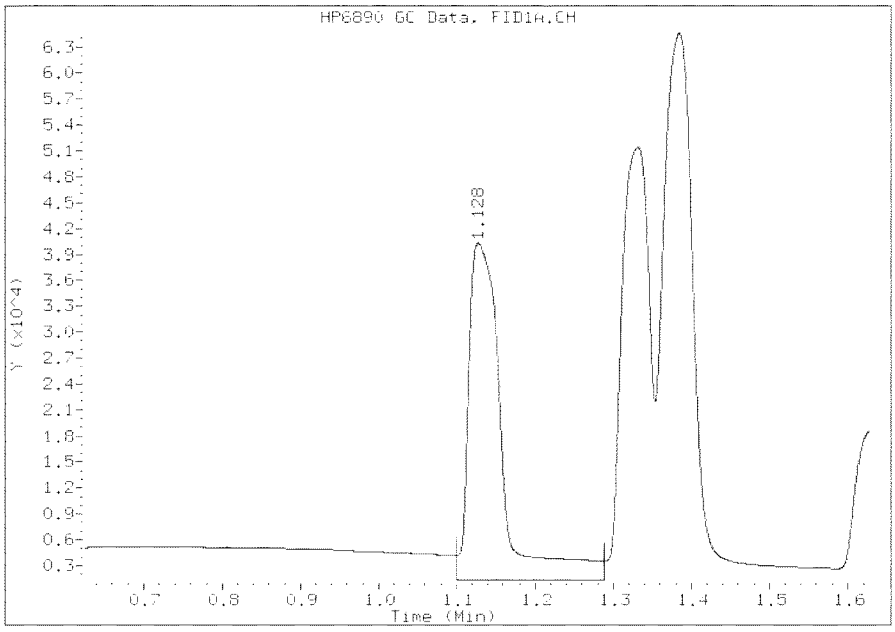
Processing Integration Results

RT: 1.13

Response: 114887

Amount: 97.08

Conc: 97.08



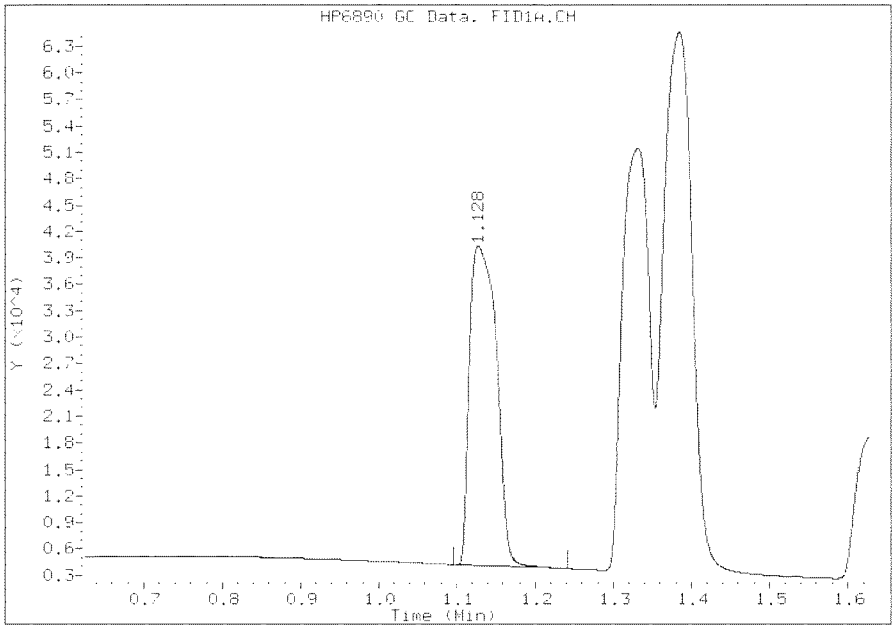
Manual Integration Results

RT: 1.13

Response: 86691

Amount: 73.17

Conc: 73.17



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 016F1601.D
Inj. Date and Time: 01-MAY-2012 13:52
Instrument ID: GC_J.i
Client ID:
Compound: 4 Acetylene
CAS #: 78-83-1
Report Date: 05/02/2012

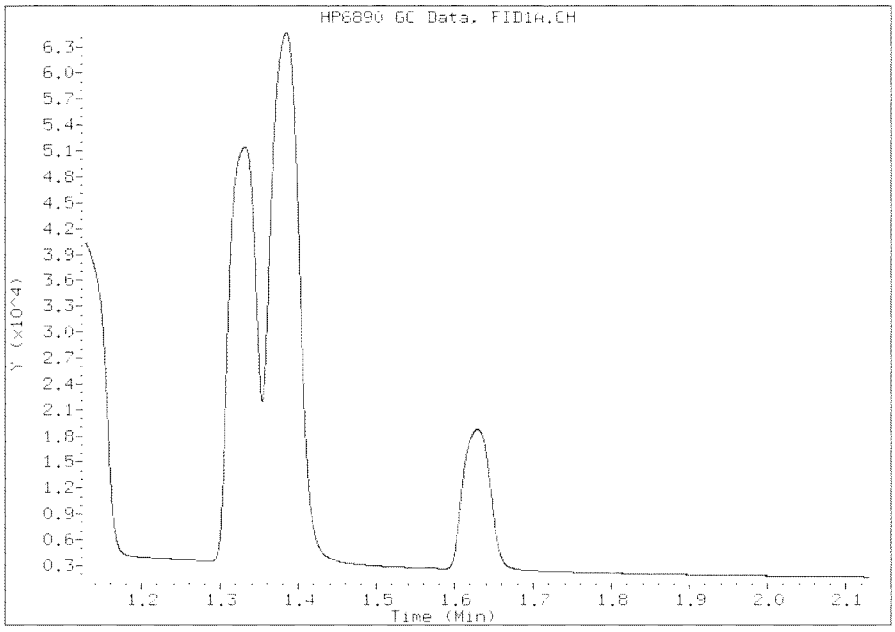
Processing Integration Results

RT: 1.63

Response: 66027

Amount: 187.61

Conc: 187.61



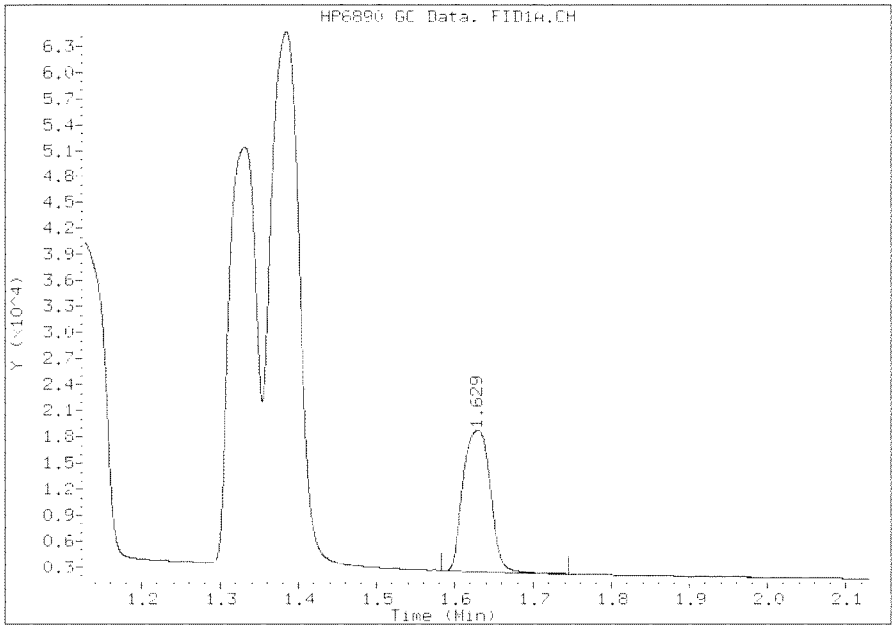
Manual Integration Results

RT: 1.63

Response: 39191

Amount: 111.36

Conc: 111.36



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/5 Calibration Date: 05/01/2012 13:52

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 016F1601.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
Methane	Lin1	1285	1206		73.2	73.0	0.3	20.0
Ethylene	Ave	912.0	899.2		125	127	-1.4	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/5 | Calibration Date: 05/01/2012 13:52

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 016F1601.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.14	1.11	1.17
Ethylene	1.34	1.31	1.37
AcetyleneEthane	1.43	1.40	1.46

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\016F1601.D
Lab Smp Id: CCV-547490
Inj Date : 01-MAY-2012 13:52
Operator : mps   Inst ID: GC_J.i
Smp Info : CCV-547490
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.143	1.142	0.001	88036	73.2019	73.20
2 Ethene	1.338	1.337	0.001	114194	125.206	125.2
3 AcetyleneEthane	1.425	1.425	0.000	193612	248.704	248.7

Data File: 016F1601.D

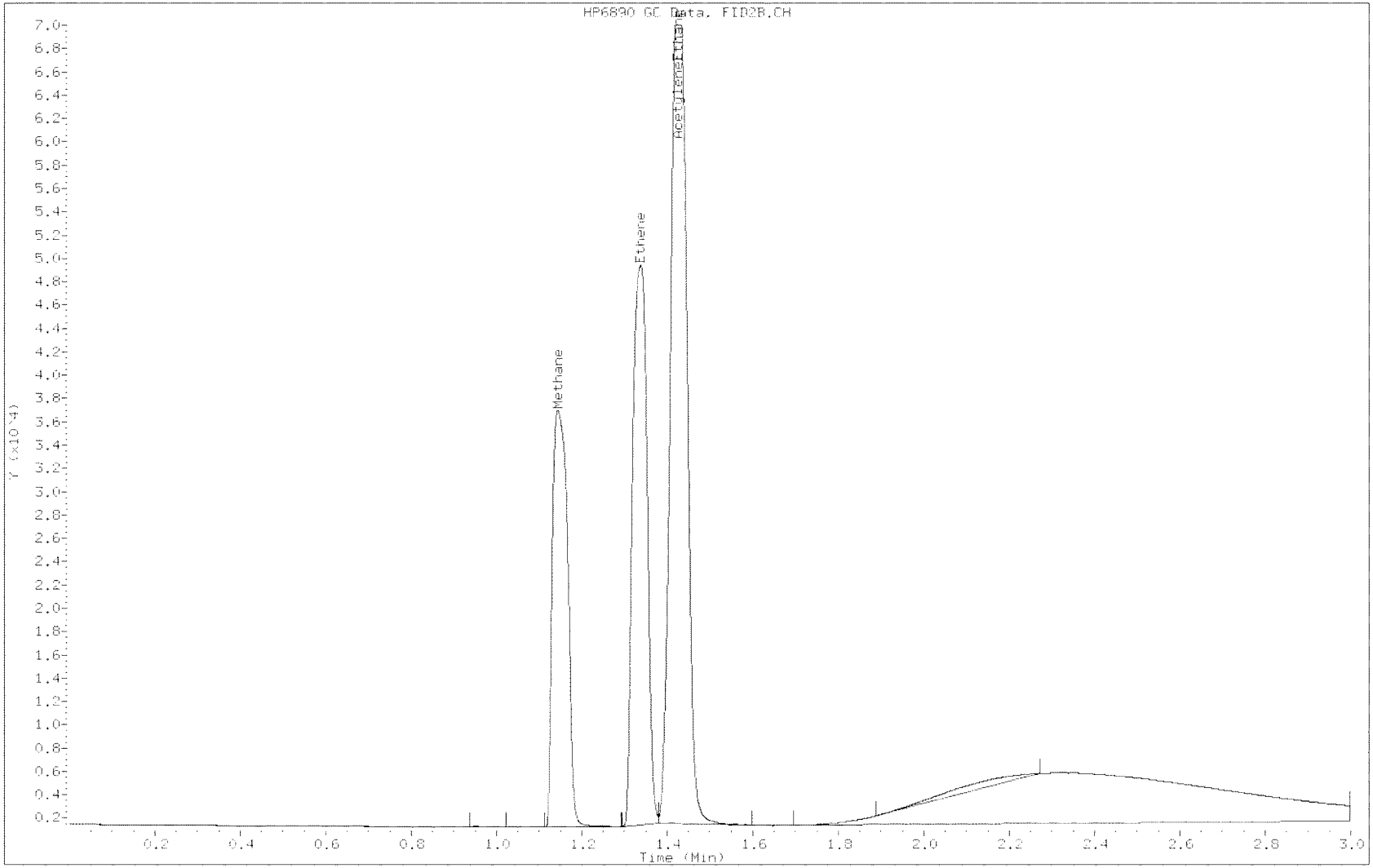
Date: 01-MAY-2012 13:52

Client ID:

Instrument: GC_J.i

Sample Info: CCV-547490

Operator: mps



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/15 Calibration Date: 05/01/2012 16:06

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 028F2901.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
Methane	Lin1	1270	1174		72.3	73.0	-0.9	20.0
Ethylene	Ave	895.3	860.5		122	127	-3.9	20.0
Ethane	Ave	1134	1108		134	137	-2.3	20.0
Acetylene	Ave	351.9	334.2		112	118	-5.0	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/15 | Calibration Date: 05/01/2012 16:06

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 028F2901.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.13	1.10	1.16
Ethylene	1.33	1.30	1.36
Ethane	1.38	1.35	1.41
Acetylene	1.63	1.60	1.66

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\028F2901.D
Lab Smp Id: CCV-547490
Inj Date : 01-MAY-2012 16:06
Operator : mps   Inst ID: GC_J.i
Smp Info : CCV-547490
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.127	1.126	0.001	85703	72.3287	72.33(M)
2 Ethene	1.331	1.330	0.001	109281	122.054	122.0(M)
3 Ethane	1.383	1.383	0.000	151830	133.841	133.8(M)
4 Acetylene	1.628	1.628	0.000	39431	112.041	112.0(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 028F2901.D

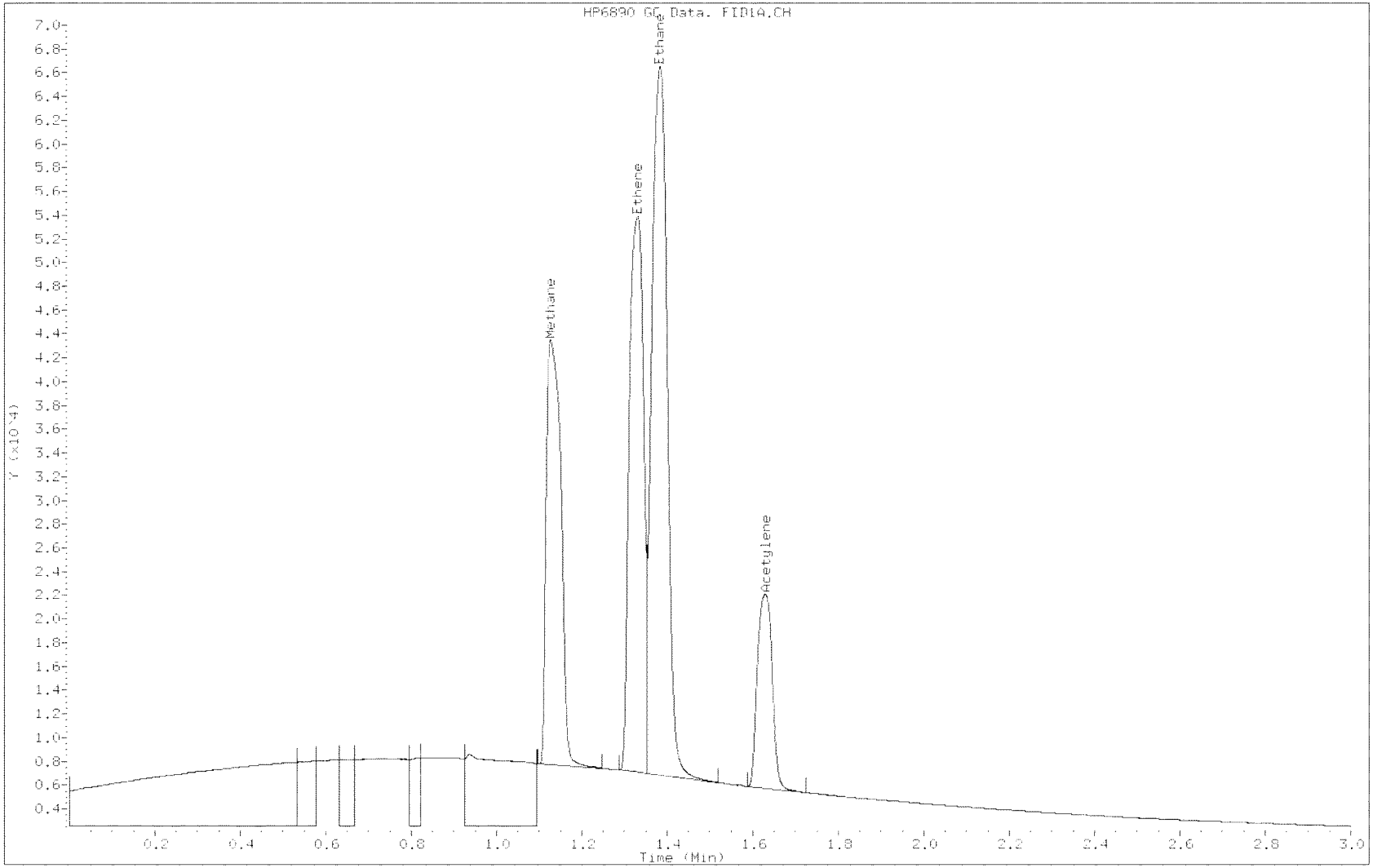
Date: 01-MAY-2012 16:06

Client ID:

Instrument: GC_J.i

Sample Info: CCV-547490

Operator: mps



Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

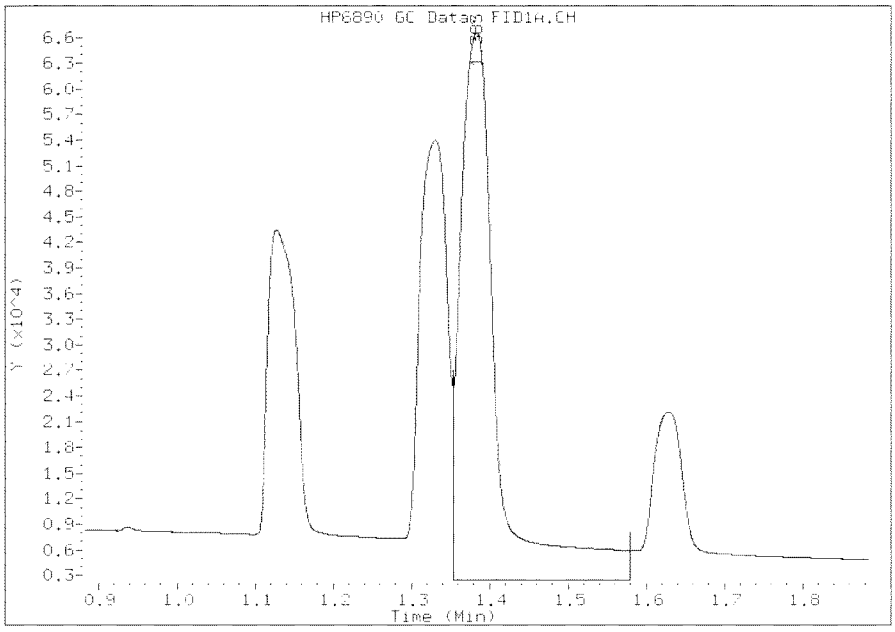
Processing Integration Results

RT: 1.38

Response: 204733

Amount: 180.48

Conc: 180.48



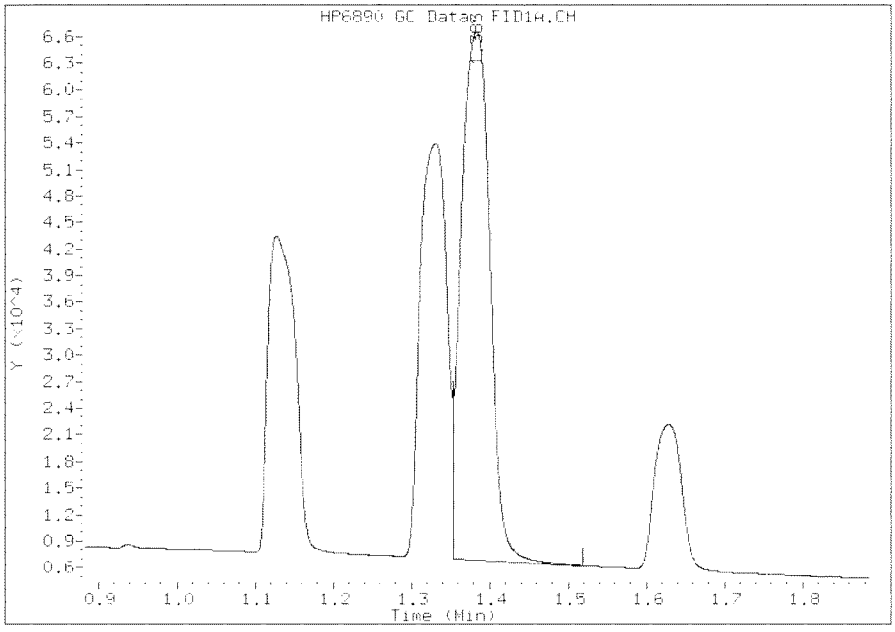
Manual Integration Results

RT: 1.38

Response: 151830

Amount: 133.84

Conc: 133.84



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 4 Acetylene
CAS #: 78-83-1
Report Date: 05/02/2012

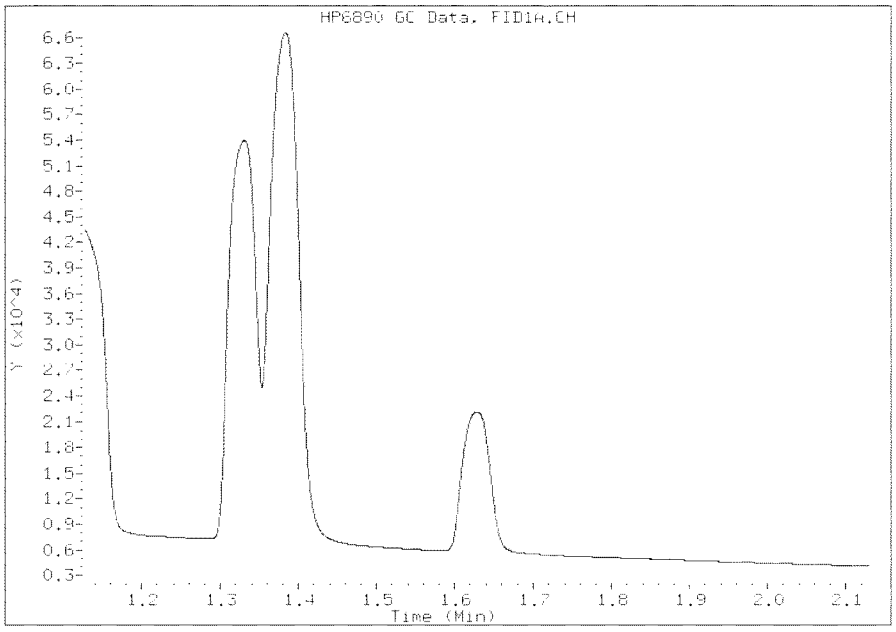
Processing Integration Results

RT: 1.63

Response: 152551

Amount: 433.47

Conc: 433.47



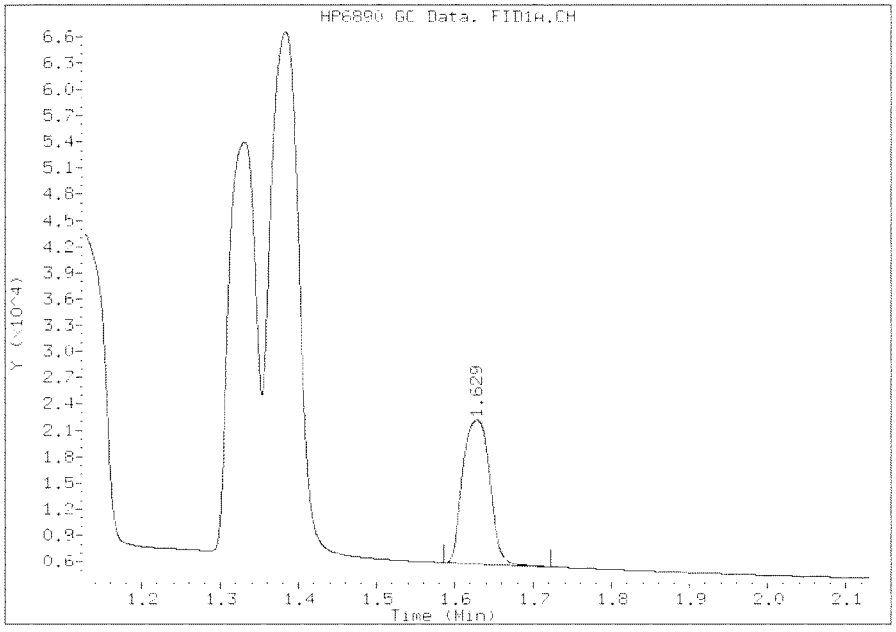
Manual Integration Results

RT: 1.63

Response: 39431

Amount: 112.04

Conc: 112.04



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 05/02/2012

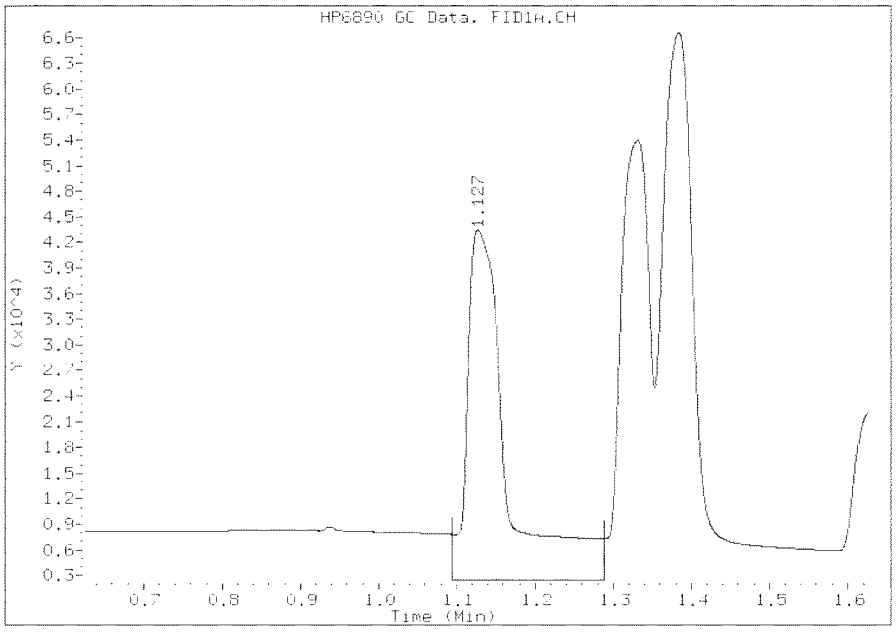
Processing Integration Results

RT: 1.13

Response: 144357

Amount: 122.08

Conc: 122.08



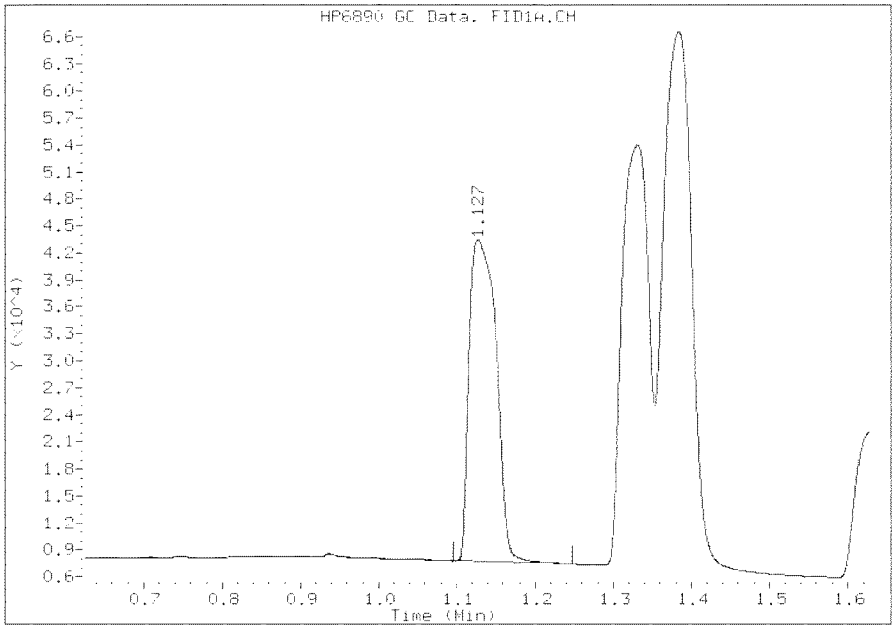
Manual Integration Results

RT: 1.13

Response: 85703

Amount: 72.33

Conc: 72.33



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 05/02/2012

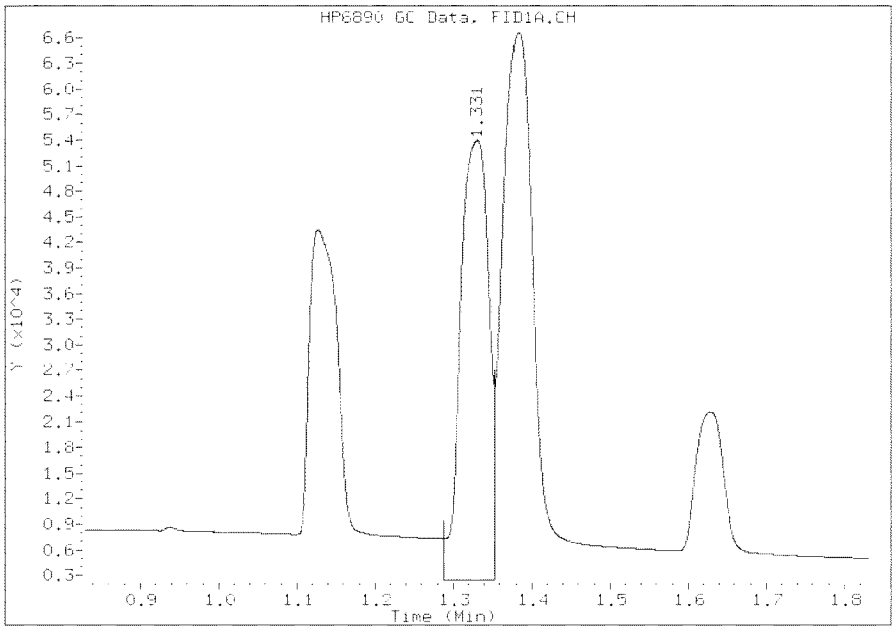
Processing Integration Results

RT: 1.33

Response: 127540

Amount: 142.45

Conc: 142.45



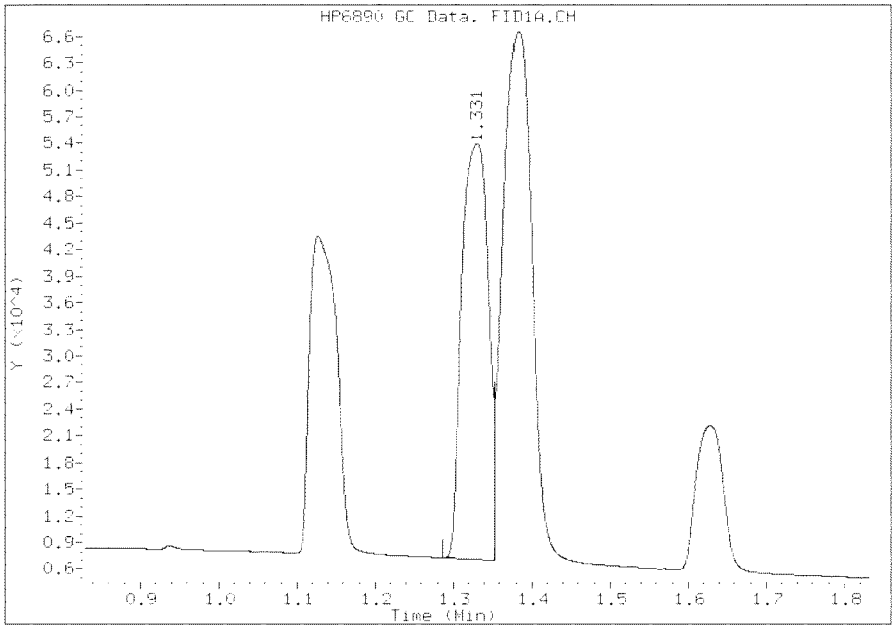
Manual Integration Results

RT: 1.33

Response: 109281

Amount: 122.05

Conc: 122.05



Manually Integrated By: mooret
Modification Date:
Manual Integration Reason: Baseline Event

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/15 Calibration Date: 05/01/2012 16:06

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 028F2901.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
Methane	Lin1	1285	1178		71.5	73.0	-2.0	20.0
Ethylene	Ave	912.0	879.9		123	127	-3.5	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/15 | Calibration Date: 05/01/2012 16:06

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 028F2901.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.14	1.11	1.17
Ethylene	1.34	1.31	1.37
AcetyleneEthane	1.42	1.40	1.46

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\028F2901.D
Lab Smp Id: CCV-547490
Inj Date : 01-MAY-2012 16:06
Operator : mps   Inst ID: GC_J.i
Smp Info : CCV-547490
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.143	1.142	0.001	86009	71.5085	71.51(M)
2 Ethene	1.338	1.337	0.001	111753	122.530	122.5(M)
3 AcetyleneEthane	1.424	1.425	-0.001	190576	244.805	244.8(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 028F2901.D

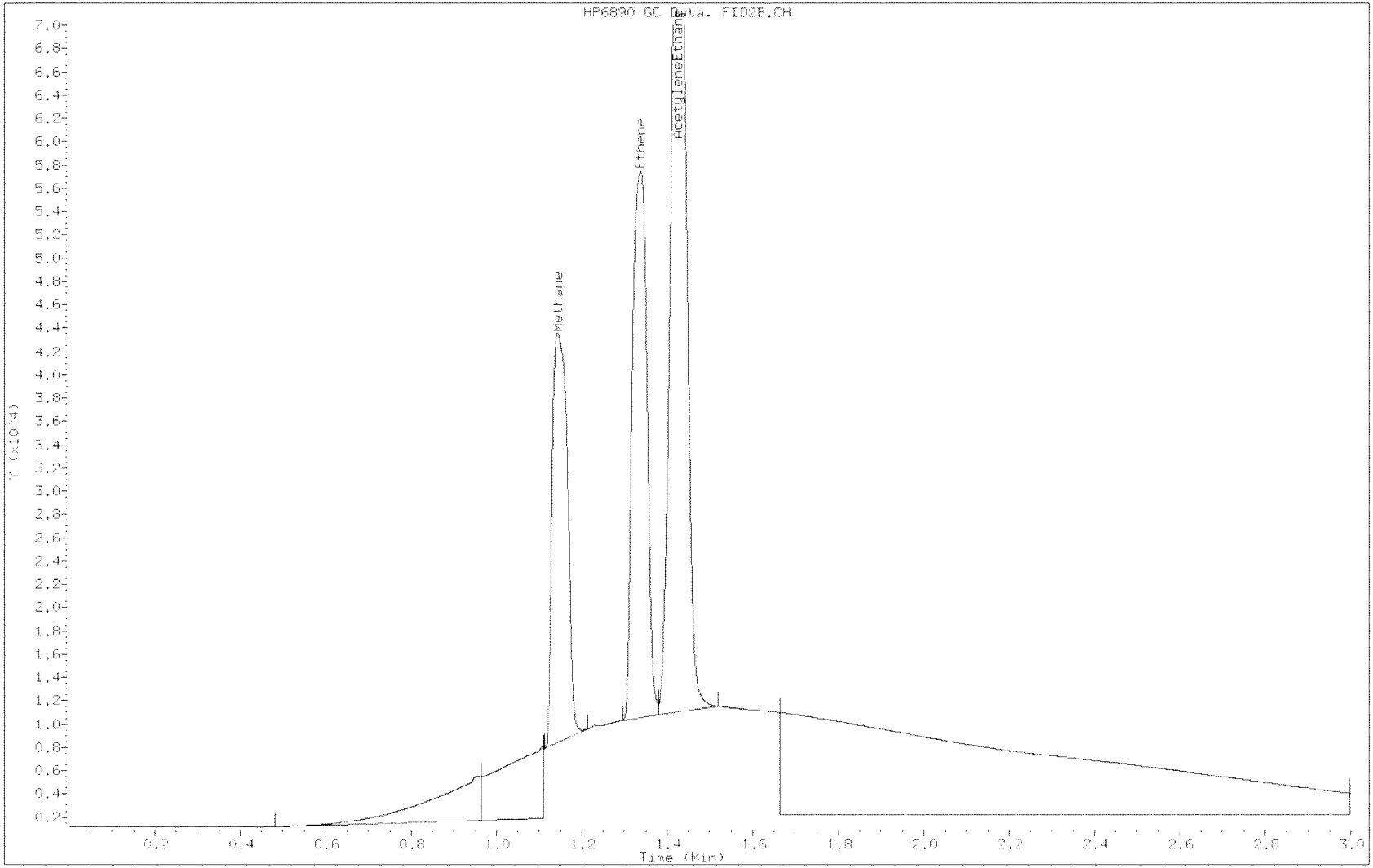
Date: 01-MAY-2012 16:06

Client ID:

Instrument: GC_J.i

Sample Info: CCV-547490

Operator: mps



Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 3 AcetyleneEthane
CAS #: STL01033
Report Date: 05/02/2012

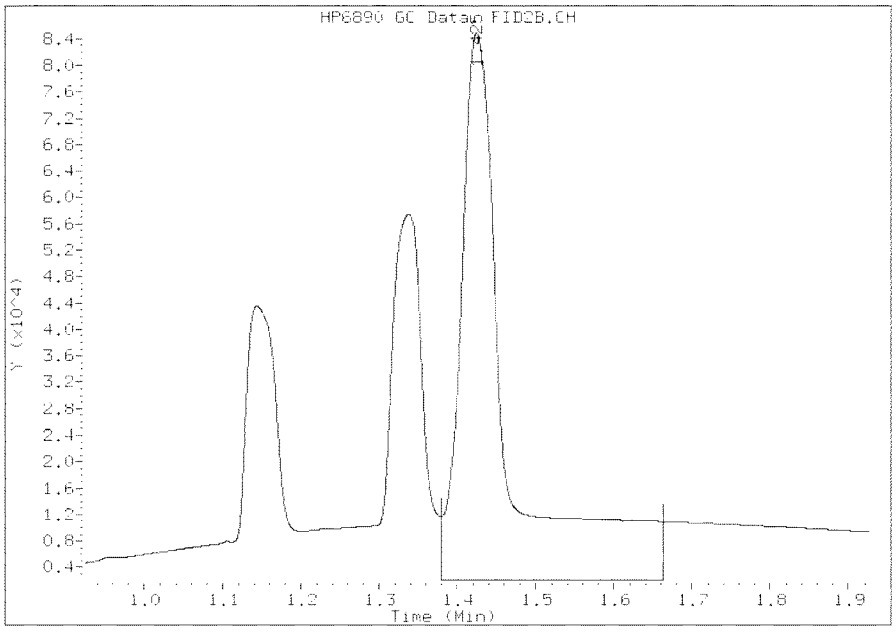
Processing Integration Results

RT: 1.42

Response: 343936

Amount: 441.80

Conc: 441.80



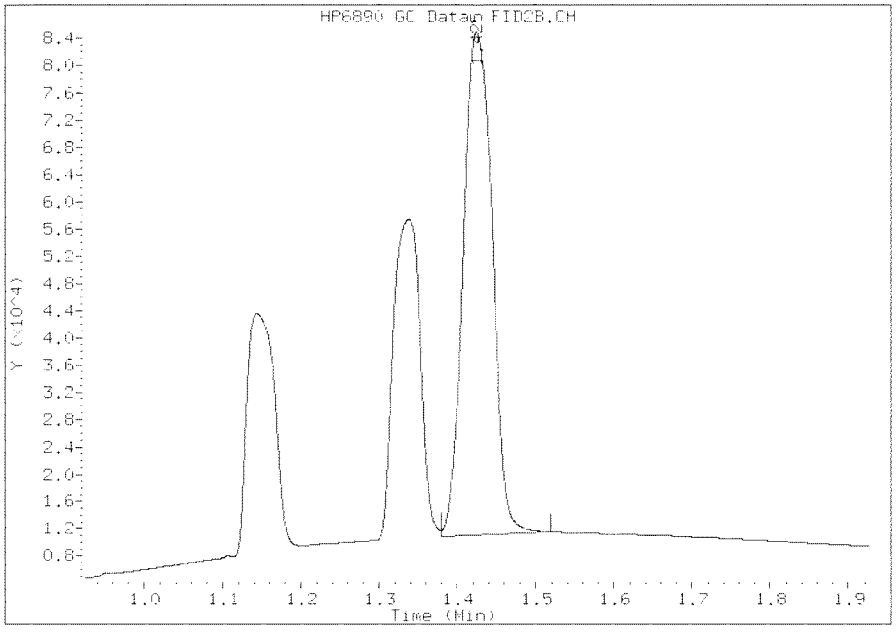
Manual Integration Results

RT: 1.42

Response: 190576

Amount: 244.80

Conc: 244.80



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 05/02/2012

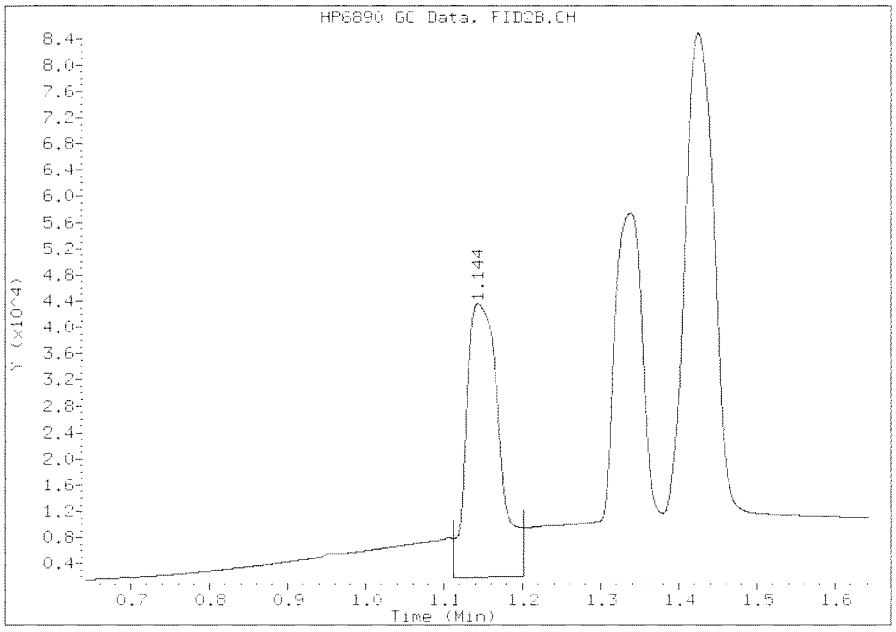
Processing Integration Results

RT: 1.14

Response: 121648

Amount: 101.28

Conc: 101.28



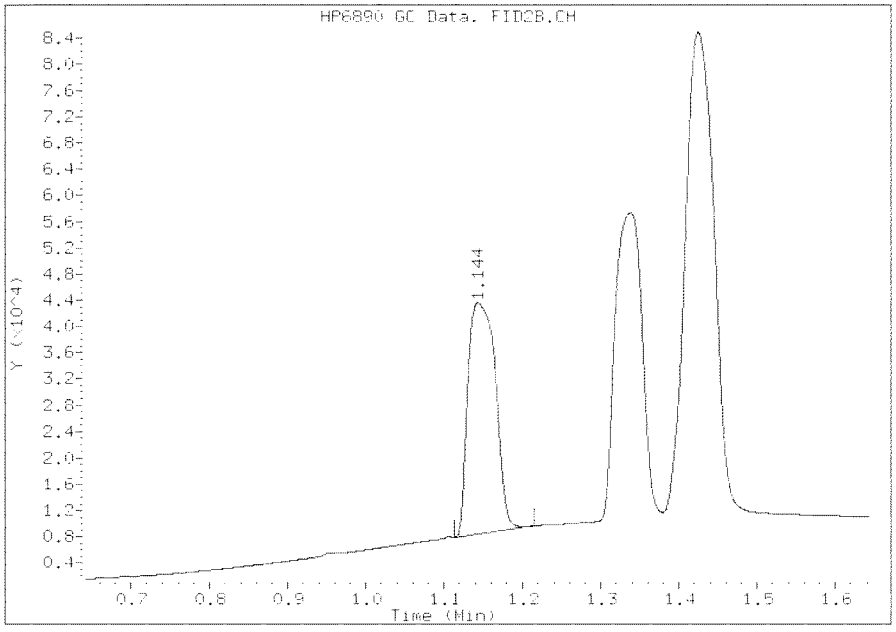
Manual Integration Results

RT: 1.14

Response: 86009

Amount: 71.51

Conc: 71.51



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:31
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 028F2901.D
Inj. Date and Time: 01-MAY-2012 16:06
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 05/02/2012

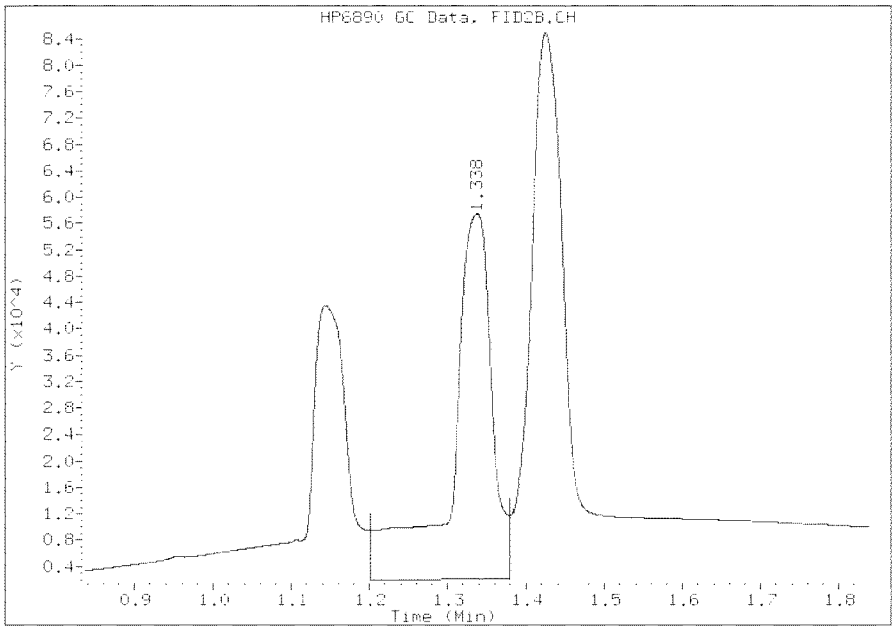
Processing Integration Results

RT: 1.34

Response: 199245

Amount: 218.46

Conc: 218.46



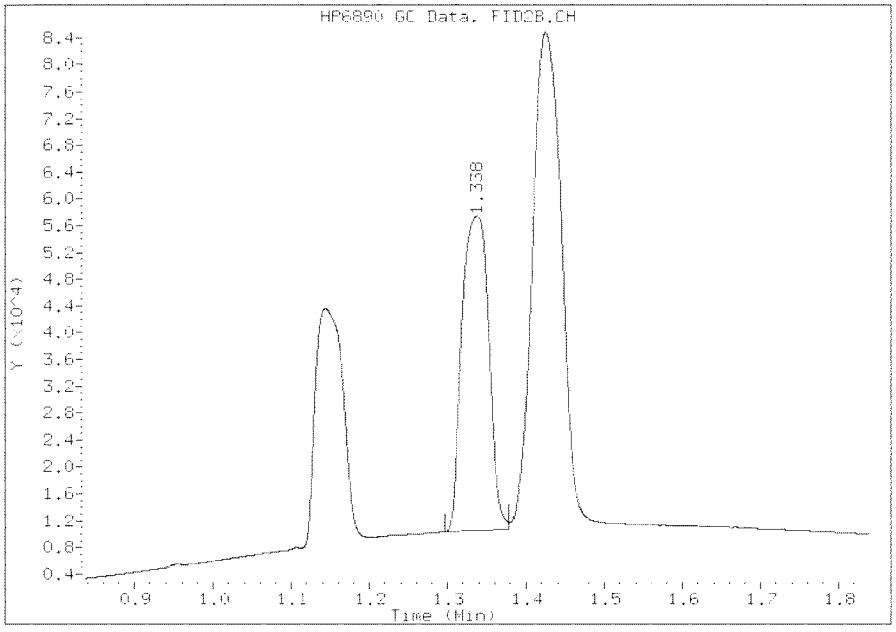
Manual Integration Results

RT: 1.34

Response: 111753

Amount: 122.53

Conc: 122.53



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:31
Manual Integration Reason: Baseline Event

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/24 Calibration Date: 05/01/2012 17:08

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 040F4101.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
Methane	Lin1	1270	968.2		59.6	73.0	-18.4	20.0
Ethylene	Ave	895.3	749.5		106	127	-16.3	20.0
Ethane	Ave	1134	950.7		115	137	-16.2	20.0
Acetylene	Ave	351.9	307.7		103	118	-12.6	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/24 | Calibration Date: 05/01/2012 17:08

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-VPLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 040F4101.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.13	1.10	1.16
Ethylene	1.33	1.30	1.36
Ethane	1.38	1.35	1.41
Acetylene	1.63	1.60	1.66

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\040F4101.D
Lab Smp Id: CCV-547490
Inj Date : 01-MAY-2012 17:08
Operator : mps   Inst ID: GC_J.i
Smp Info : CCV-547490
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 40
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.126	1.126	0.000	70682	59.5882	59.59(M)
2 Ethene	1.329	1.330	-0.001	95191	106.317	106.3(M)
3 Ethane	1.382	1.383	-0.001	130251	114.819	114.8(M)
4 Acetylene	1.628	1.628	0.000	36312	103.179	103.2(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 040F4101.D

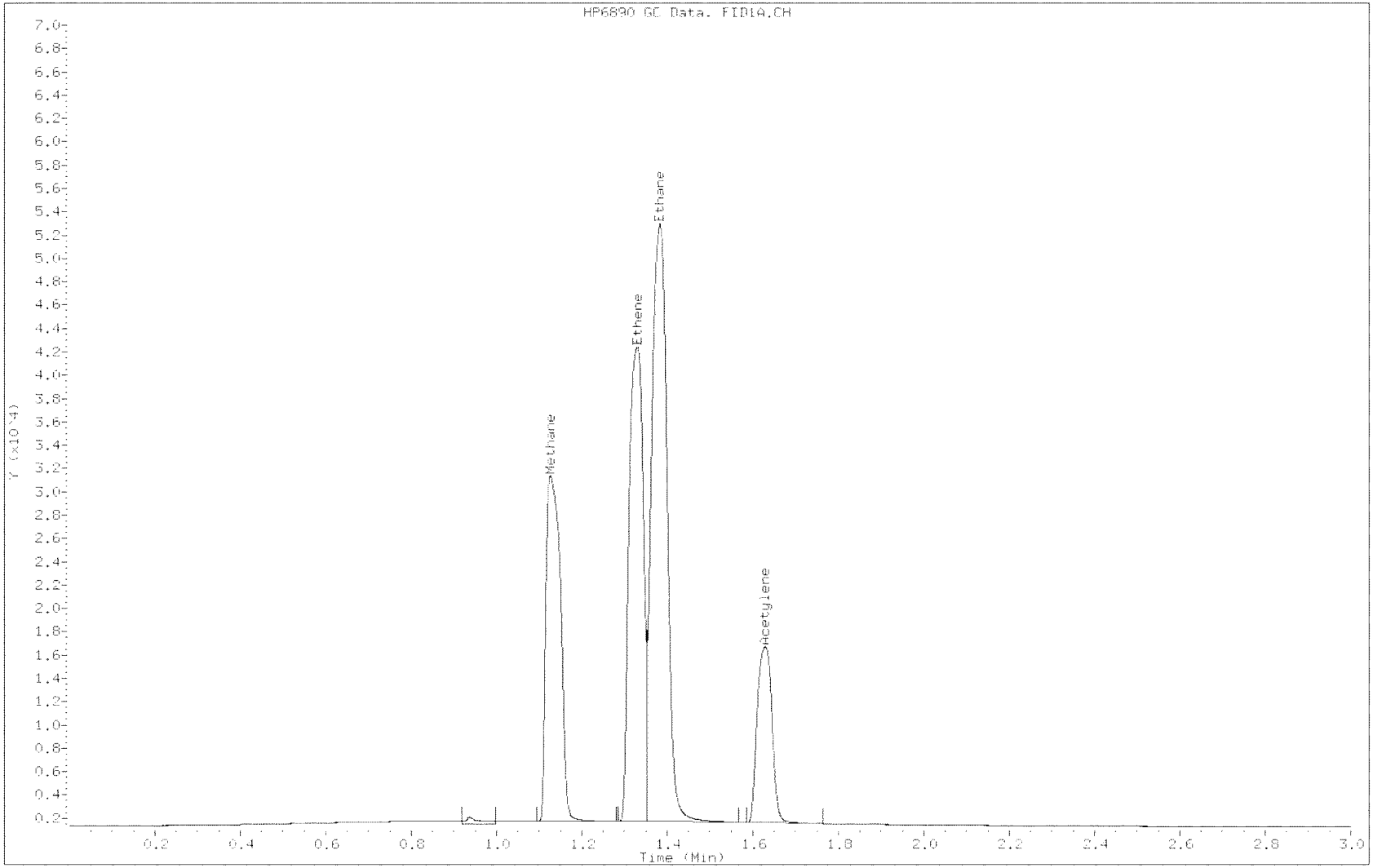
Date: 01-MAY-2012 17:08

Client ID:

Instrument: GC_J.i

Sample Info: CCV-547490

Operator: mps



Manual Integration Report

Data File: 040F4101.D
Inj. Date and Time: 01-MAY-2012 17:08
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 05/02/2012

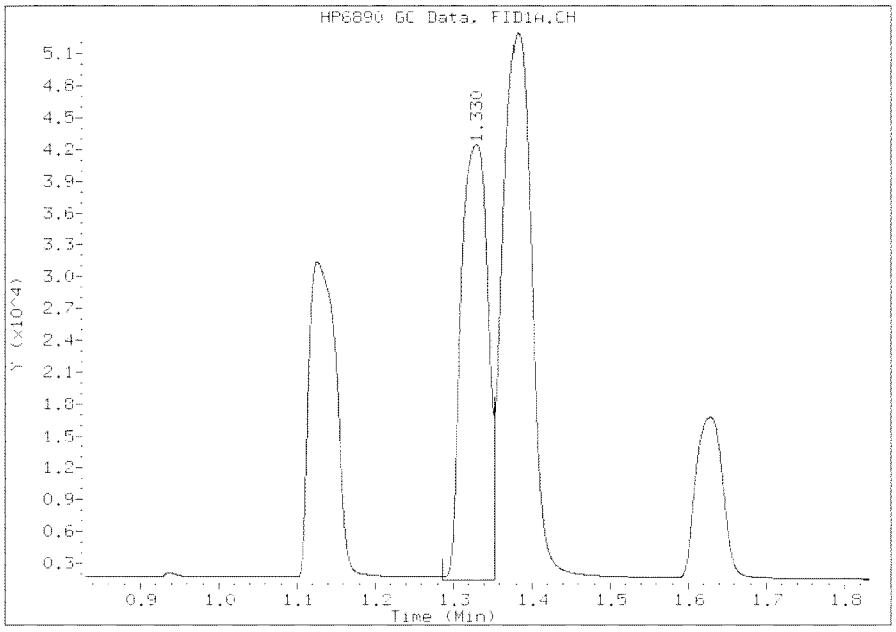
Processing Integration Results

RT: 1.33

Response: 96028

Amount: 107.25

Conc: 107.25



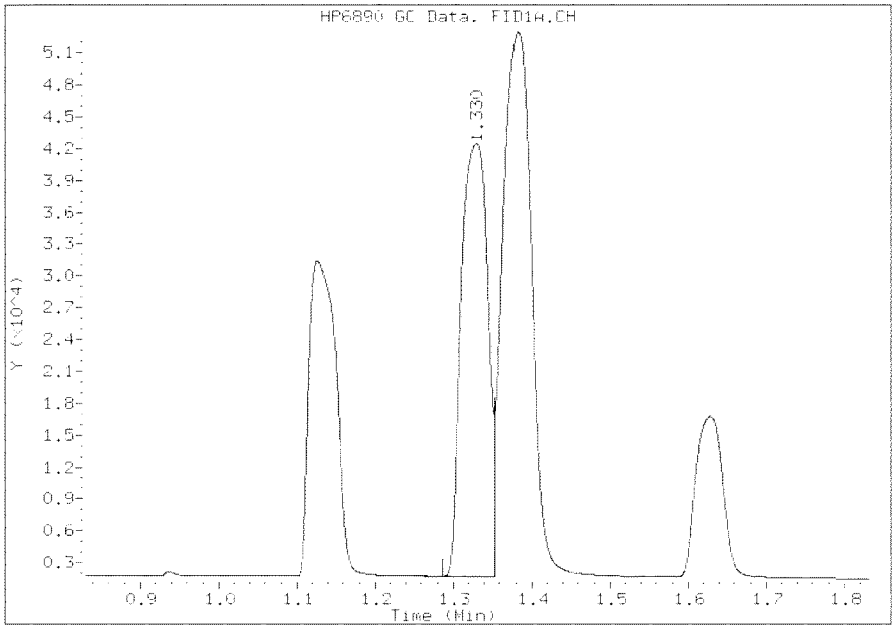
Manual Integration Results

RT: 1.33

Response: 95191

Amount: 106.32

Conc: 106.32



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 040F4101.D
Inj. Date and Time: 01-MAY-2012 17:08
Instrument ID: GC_J.i
Client ID:
Compound: 1 Methane
CAS #: 67-56-1
Report Date: 05/02/2012

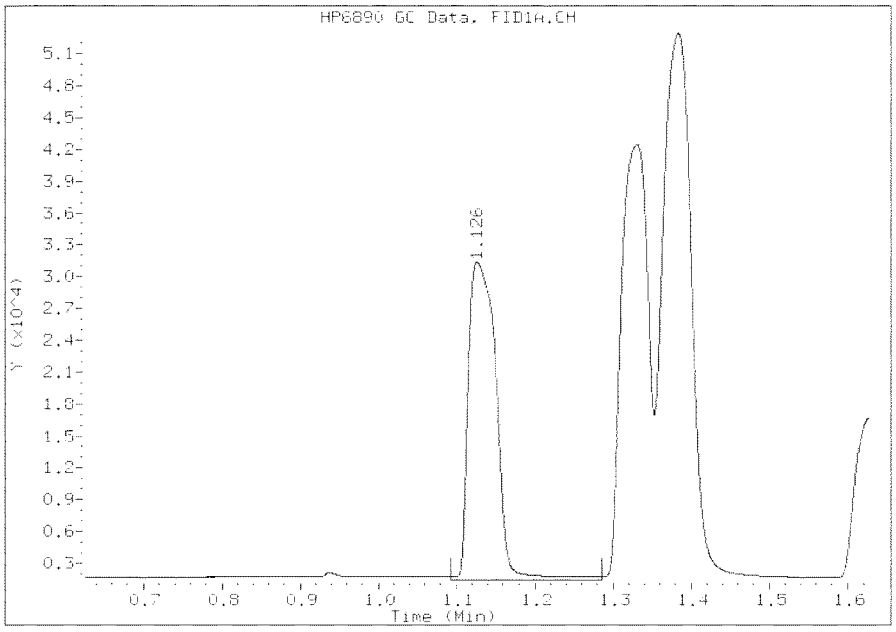
Processing Integration Results

RT: 1.13

Response: 73823

Amount: 62.25

Conc: 62.25



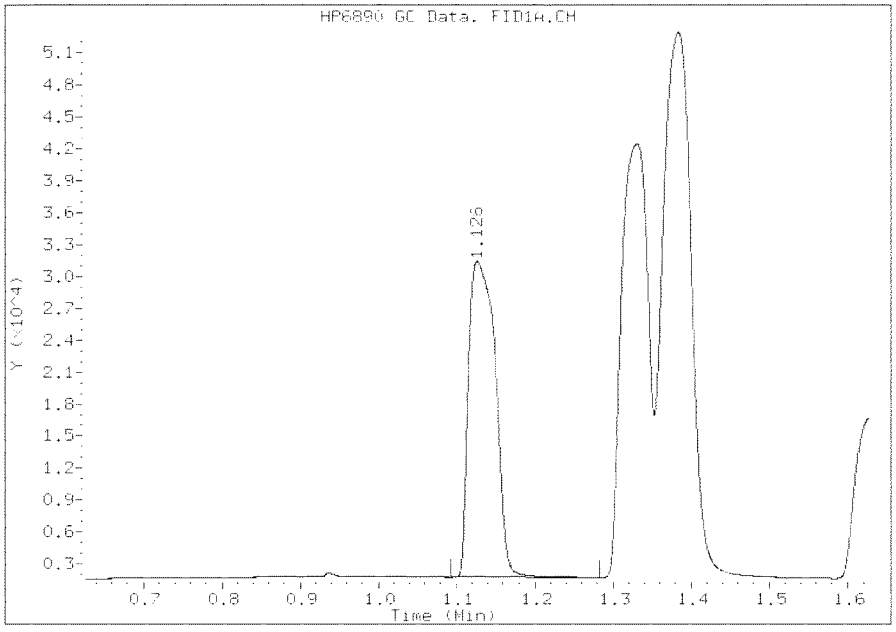
Manual Integration Results

RT: 1.13

Response: 70682

Amount: 59.59

Conc: 59.59



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 040F4101.D
Inj. Date and Time: 01-MAY-2012 17:08
Instrument ID: GC_J.i
Client ID:
Compound: 4 Acetylene
CAS #: 78-83-1
Report Date: 05/02/2012

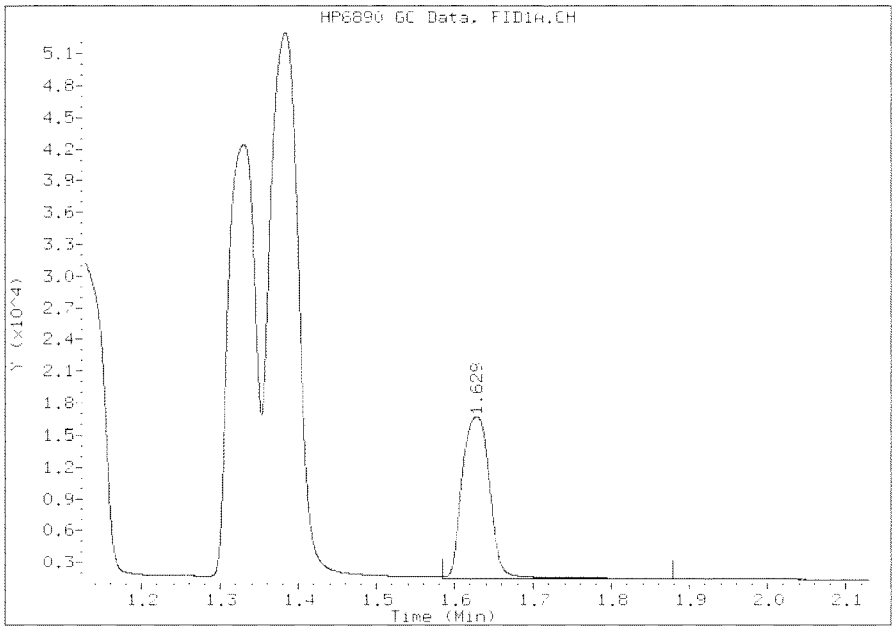
Processing Integration Results

RT: 1.63

Response: 37800

Amount: 107.41

Conc: 107.41



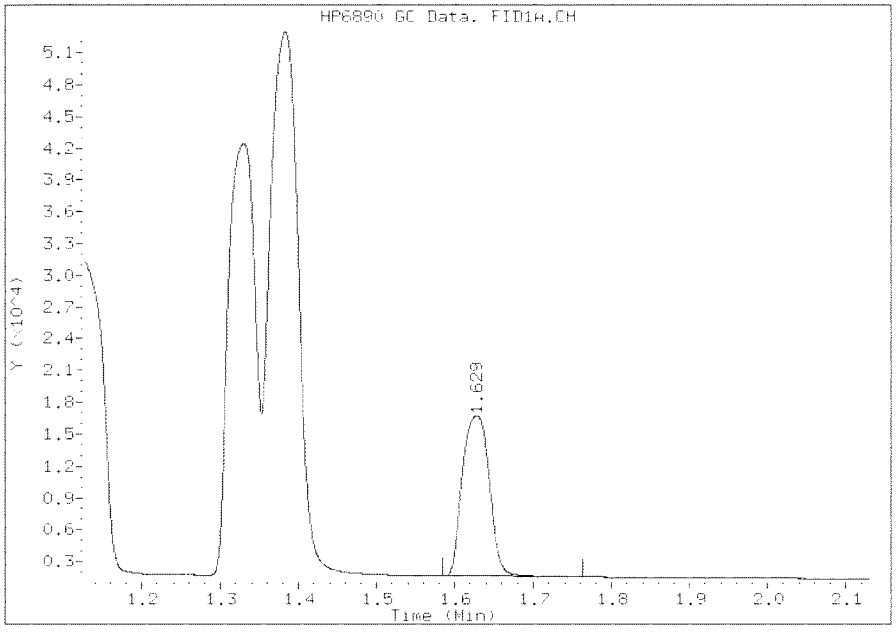
Manual Integration Results

RT: 1.63

Response: 36312

Amount: 103.18

Conc: 103.18



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 040F4101.D
Inj. Date and Time: 01-MAY-2012 17:08
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

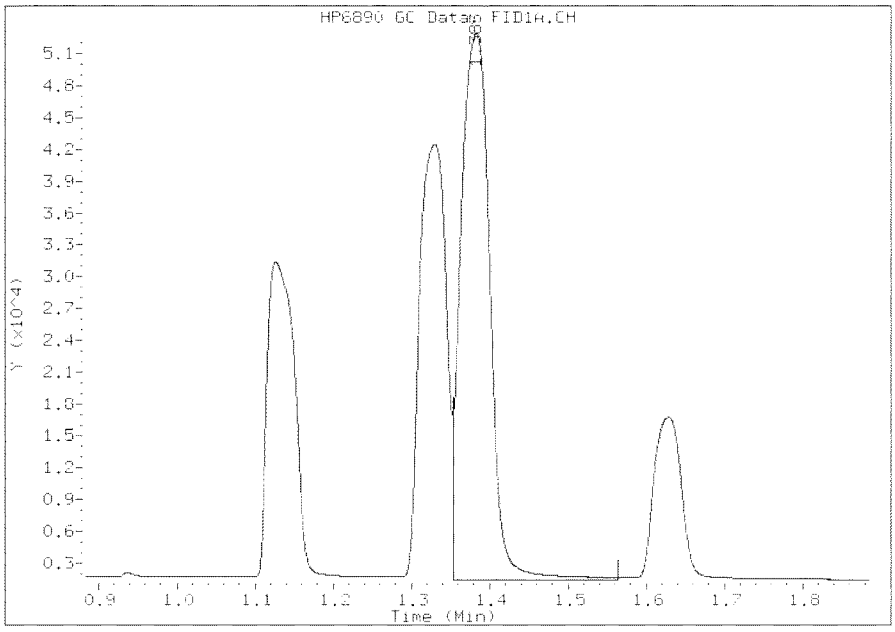
Processing Integration Results

RT: 1.38

Response: 132799

Amount: 117.07

Conc: 117.07



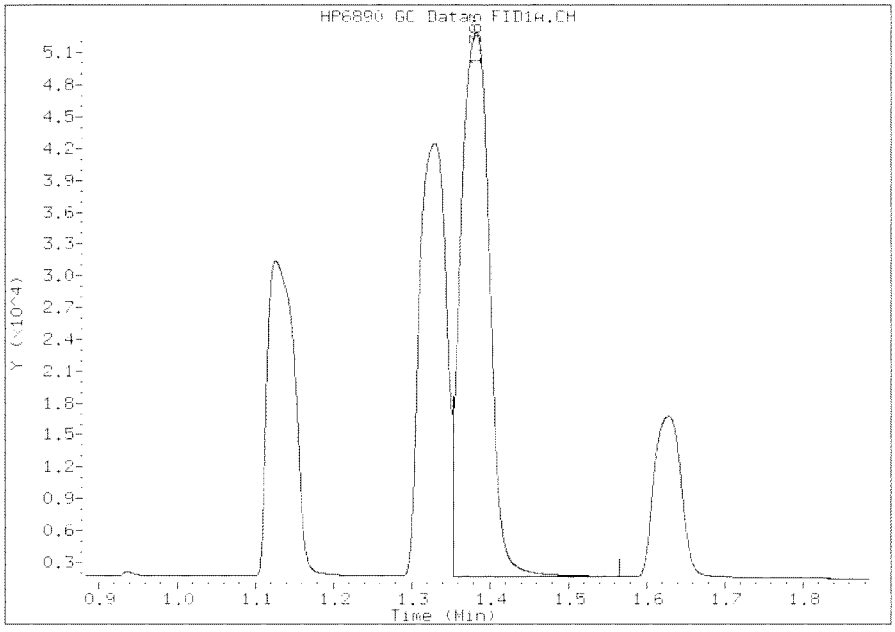
Manual Integration Results

RT: 1.38

Response: 130251

Amount: 114.82

Conc: 114.82



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:19
Manual Integration Reason: Baseline Event

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/24 Calibration Date: 05/01/2012 17:08

Instrument ID: GCV_J Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) Calib End Date: 12/07/2011 07:41

Lab File ID: 040F4101.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
Methane	Lin1	1285	972.6		59.0	73.0	-19.2	20.0
Ethylene	Ave	912.0	760.0		106	127	-16.7	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-117933/24 | Calibration Date: 05/01/2012 17:08

Instrument ID: GCV_J | Calib Start Date: 12/07/2011 07:10

GC Column: RT-3PLOT ID: 0.32(mm) | Calib End Date: 12/07/2011 07:41

Lab File ID: 040F4101.D | Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	1.14	1.11	1.17
Ethylene	1.34	1.31	1.37
AcetyleneEthane	1.42	1.40	1.46

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\040F4101.D
Lab Smp Id: CCV-547490
Inj Date : 01-MAY-2012 17:08
Operator : mps   Inst ID: GC_J.i
Smp Info : CCV-547490
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 40
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.142	1.142	0.000	71000	58.9695	58.97
2 Ethene	1.337	1.337	0.000	96526	105.834	105.8
3 AcetyleneEthane	1.424	1.425	-0.001	165049	212.014	212.0

Data File: 040F4101.D

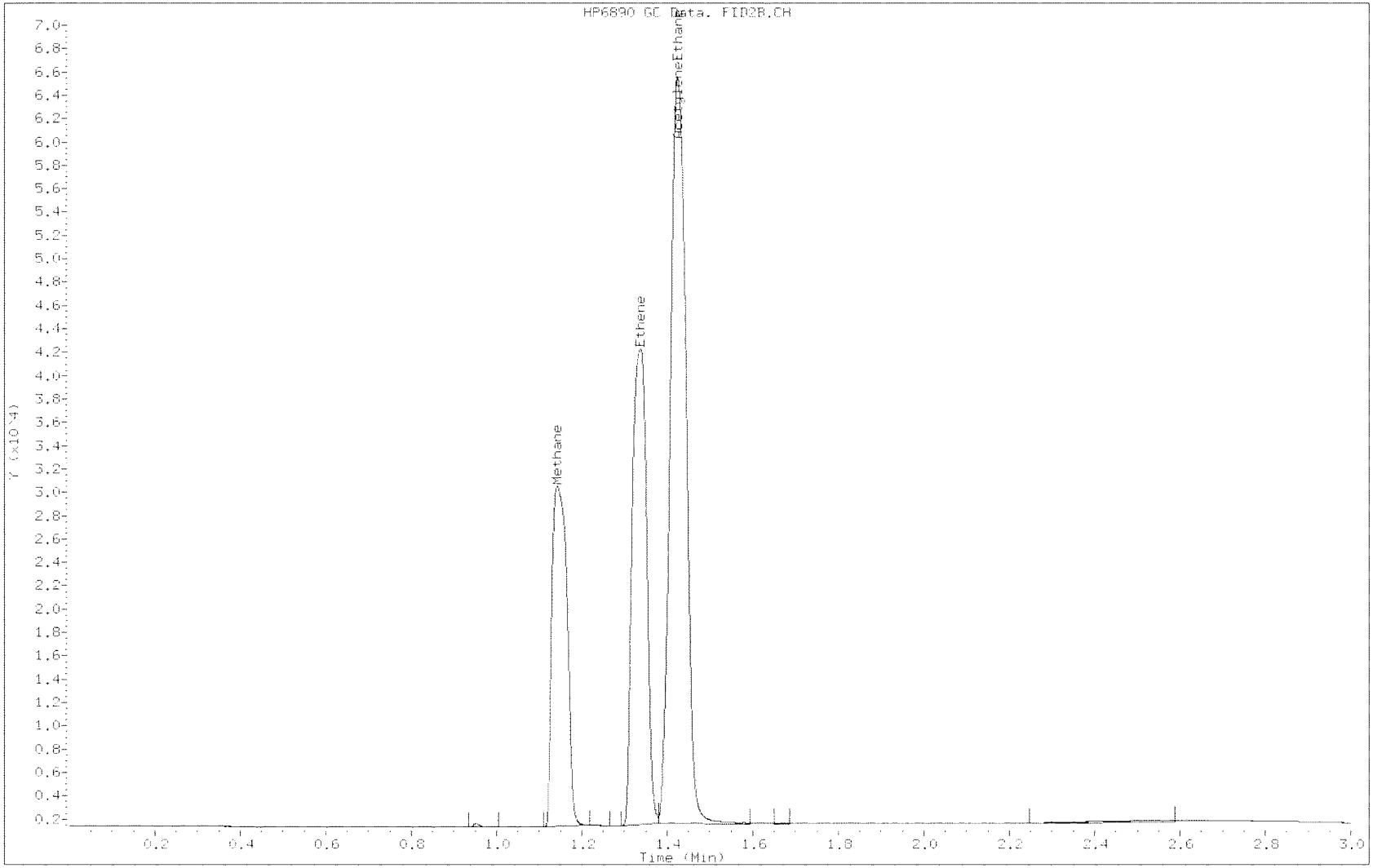
Date: 01-MAY-2012 17:08

Client ID:

Instrument: GC_J.i

Sample Info: CCV-547490

Operator: mps



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 180-34676/1 Calibration Date: 04/30/2012 08:33

Instrument ID: RSK Calib Start Date: 02/20/2012 08:17

GC Column: Rt-Alumina BOND ID: Calib End Date: 02/20/2012 10:12

Lab File ID: 04301203.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
Methane	Ave	2713	2533		51.1	54.7	-6.7	15.0
Ethylene	Ave	1965	1876		91.6	96.0	-4.5	15.0
Acetylene	Ave	1456	1368		83.5	88.8	-6.0	15.0
Ethane	Ave	1574	1506		98.3	103	-4.3	15.0
Propene	Ave	623.7	571.0		132	145	-8.4	15.0
Propane	Ave	465.8	431.3		141	152	-7.4	15.0
Propane, 2-methyl	Ave	180.0	162.1		179	199	-9.9	15.0
Butane	Ave	335.5	223.1		172	259	-33.5*	15.0
1,1,1-Trifluoroethane	Ave	179.5	172.0		687	717	-4.2	15.0

FORM VI I
GC VOA CONTI NUI NG CALI BRATI ON RETENTI ON TI ME SUMMARY

Lab Name: Test Ameri ca Pi t t sburgh Job No. : 280-28076-1

SDG No. :

Lab Sampl e I D: CCV 180-34676/ 1 Cal i brat i on Dat e: 04/ 30/ 2012 08: 33

I nst rument I D: RSK Cal i b St art Dat e: 02/ 20/ 2012 08: 17

GC Col umn: Rt -Al umi na BOND I D: Cal i b End Dat e: 02/ 20/ 2012 10: 12

Lab Fi l e I D: 04301203. D Heat ed Purge: (Y/ N) N

Anal yt e	RT	RT WI NDOW	
		TO	FROM
Met hane	1. 03	1. 00	1. 06
Et hyl ene	1. 36	1. 33	1. 39
Acet yl ene	1. 40	1. 37	1. 43
Et hane	1. 52	1. 49	1. 55
Propene	3. 10	3. 07	3. 13
Propane	3. 34	3. 31	3. 37
Propane, 2-met hyl	5. 90	5. 87	5. 93
But ane	6. 58	6. 55	6. 61
Pent ane	9. 80	9. 75	9. 85
1, 1, 1-Tri fl uoroet hane	2. 23	2. 20	2. 26

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301203.D
Lab Smp Id: CCV
Inj Date : 30-APR-2012 08:33
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : CCV
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 08:45 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Methane	1.030	1.030	0.000	138568	54.7080	51.07(M)
2 Ethene	1.355	1.355	0.000	180096	95.9850	91.65(M)
3 Acetylene	1.403	1.403	0.000	121507	88.8120	83.46(M)
4 Ethane	1.518	1.518	0.000	154682	102.683	98.29(M)
5 1,1,1-Trifluoroethane	2.234	2.234	0.000	123347	717.325	687.2(M)
6 Propene	3.104	3.104	0.000	82600	144.669	132.4(M)
7 Propane	3.336	3.336	0.000	65495	151.843	140.6(M)
8 2-Methyl Propane	5.900	5.900	0.000	32232	198.857	179.1(M)
9 Butane	6.576	6.576	0.000	57686	258.593	172.0(M)
10 Pentane	9.803	9.803	0.000	57117	246.282	205.9(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 04301203.D

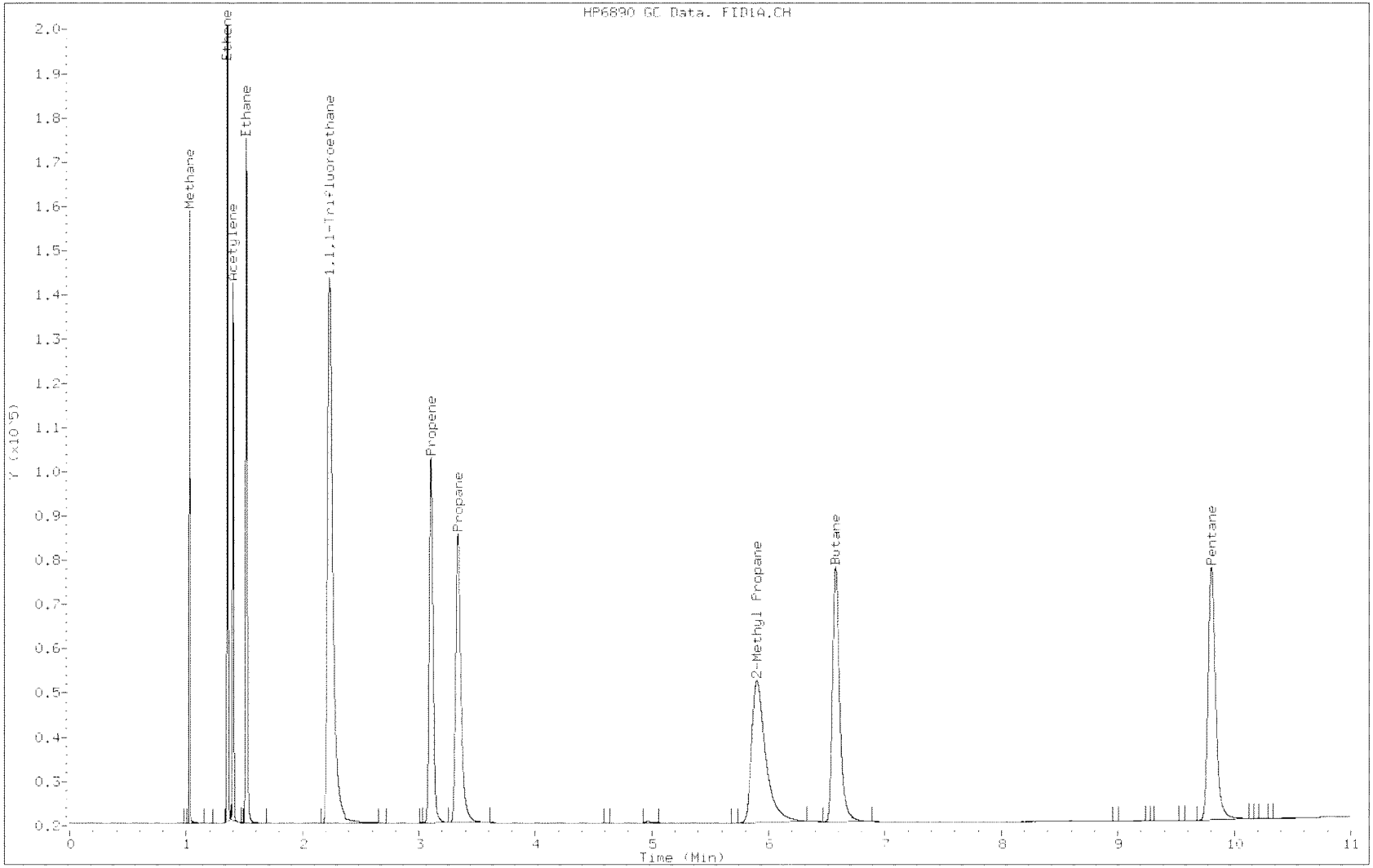
Date: 30-APR-2012 08:33

Client ID:

Instrument: RSK.i

Sample Info: CCV

Operator: RJG 22952



EPAPAV0012550

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 1 Methane
CAS #: 74-84-0
Report Date: 05/01/2012

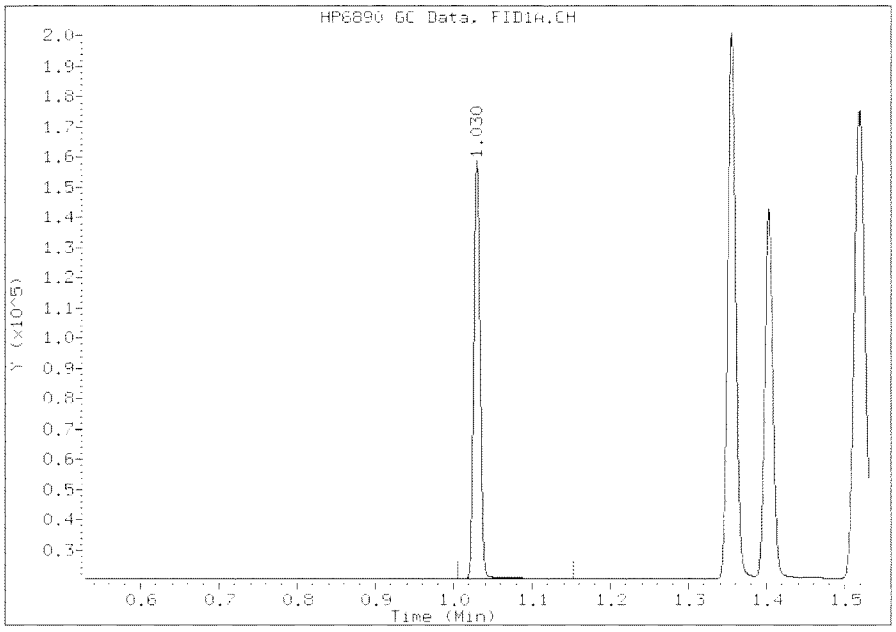
Processing Integration Results

RT: 1.03

Response: 138568

Amount: 51.07

Conc: 51.07



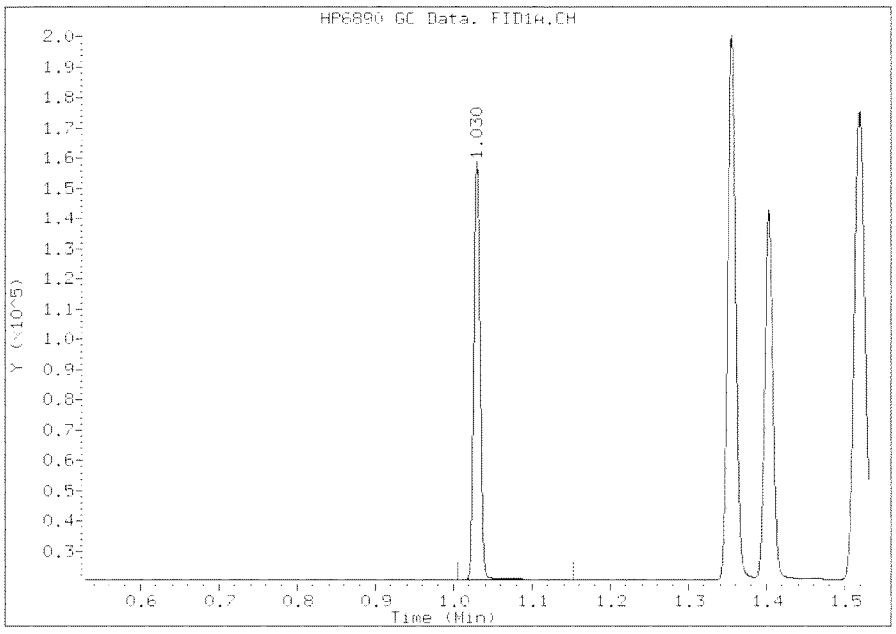
Manual Integration Results

RT: 1.03

Response: 138568

Amount: 51.07

Conc: 51.07



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 10 Pentane
CAS #:
Report Date: 05/01/2012

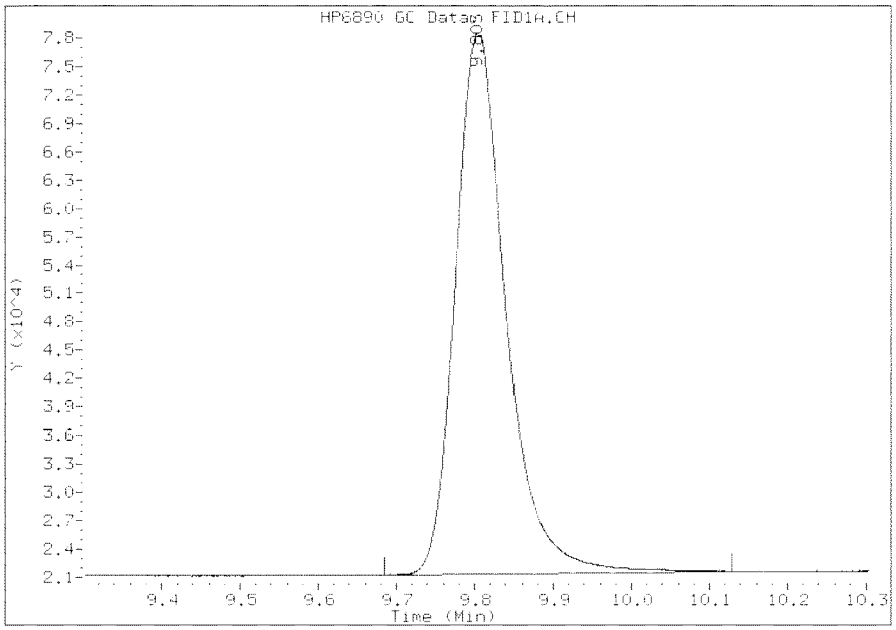
Processing Integration Results

RT: 9.80

Response: 57117

Amount: 205.89

Conc: 205.89



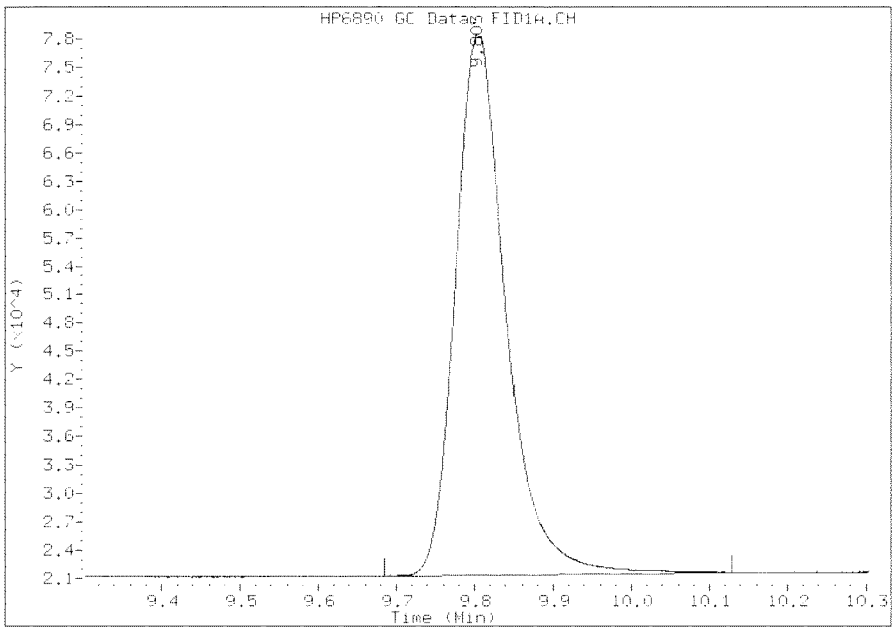
Manual Integration Results

RT: 9.80

Response: 57117

Amount: 205.89

Conc: 205.89



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 3 Acetylene
CAS #: 74-86-2
Report Date: 05/01/2012

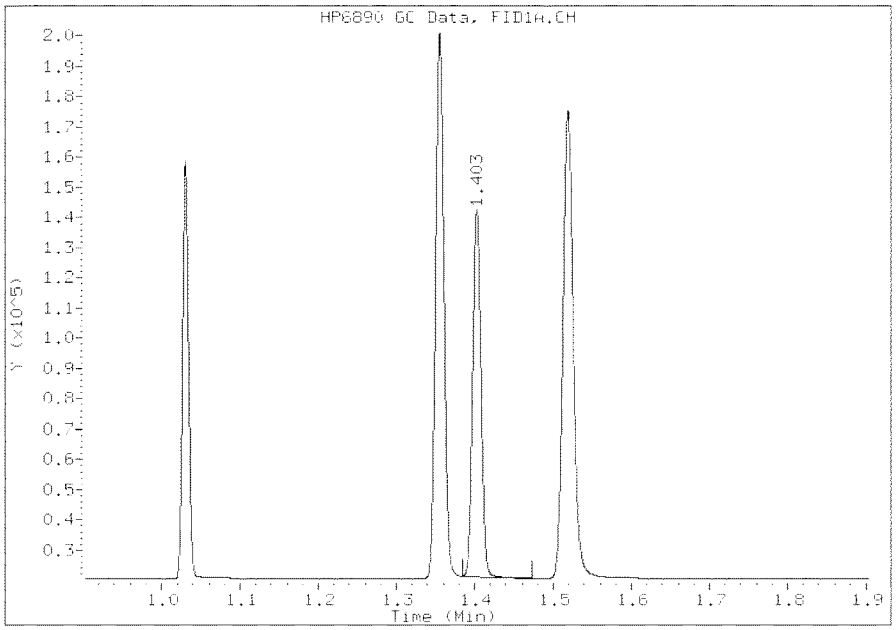
Processing Integration Results

RT: 1.40

Response: 121507

Amount: 83.46

Conc: 83.46



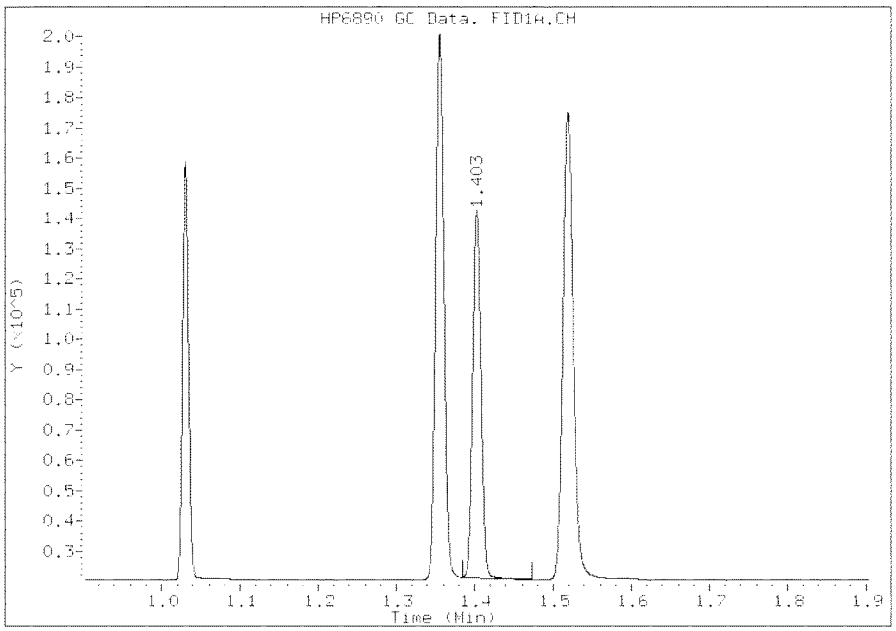
Manual Integration Results

RT: 1.40

Response: 121507

Amount: 83.46

Conc: 83.46



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 9 Butane
CAS #: 106-97-8
Report Date: 05/01/2012

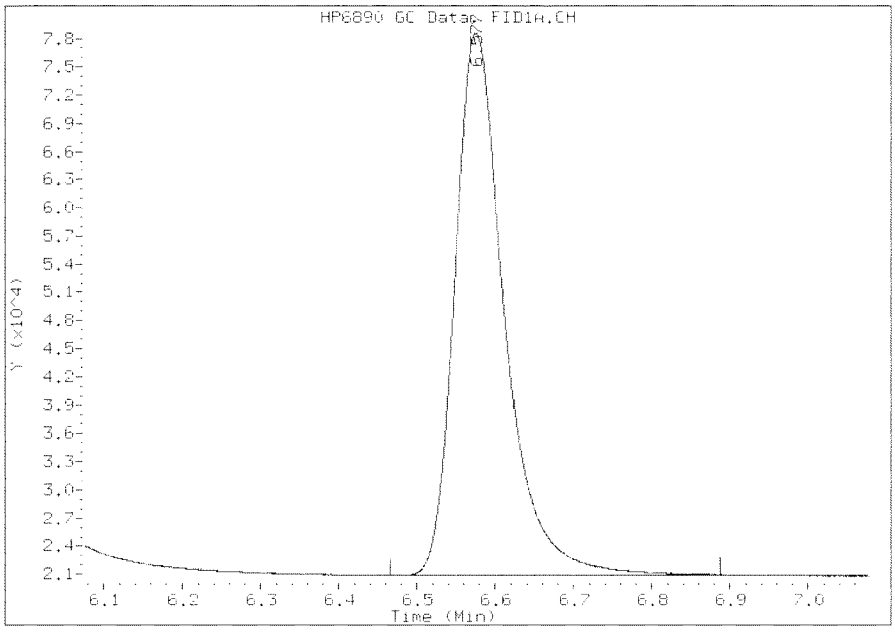
Processing Integration Results

RT: 6.58

Response: 57686

Amount: 171.96

Conc: 171.96



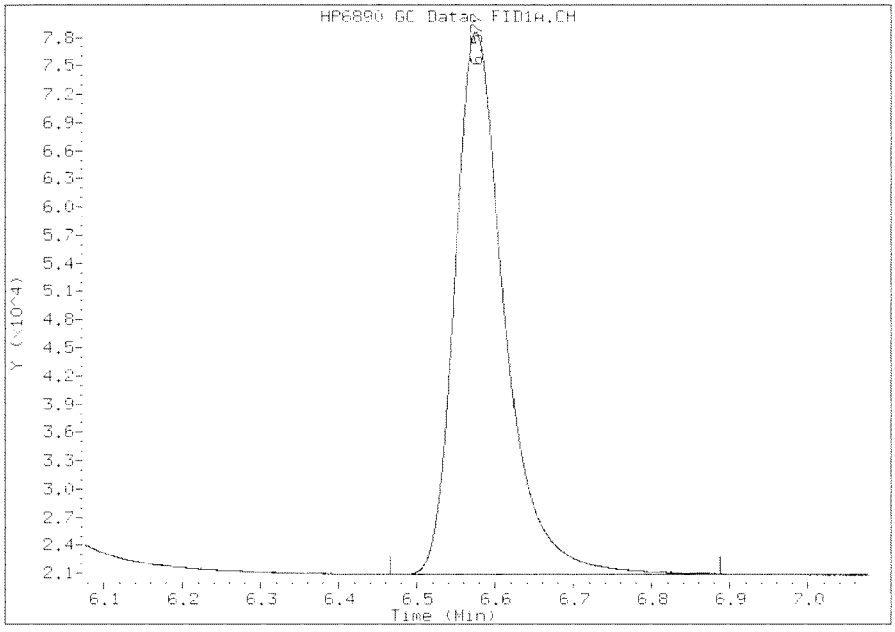
Manual Integration Results

RT: 6.58

Response: 57686

Amount: 171.96

Conc: 171.96



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 6 Propene
CAS #: 115-07-1
Report Date: 05/01/2012

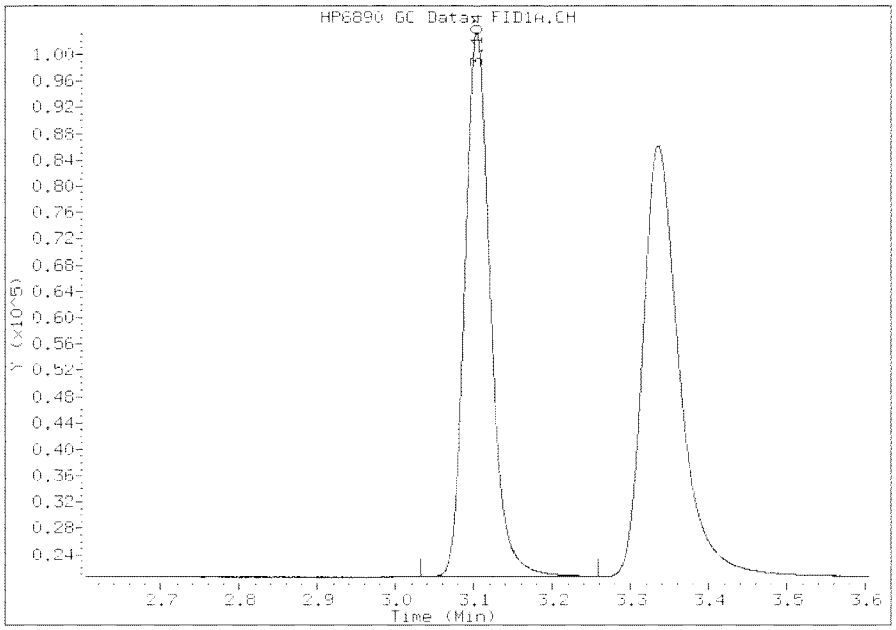
Processing Integration Results

RT: 3.10

Response: 82600

Amount: 132.45

Conc: 132.45



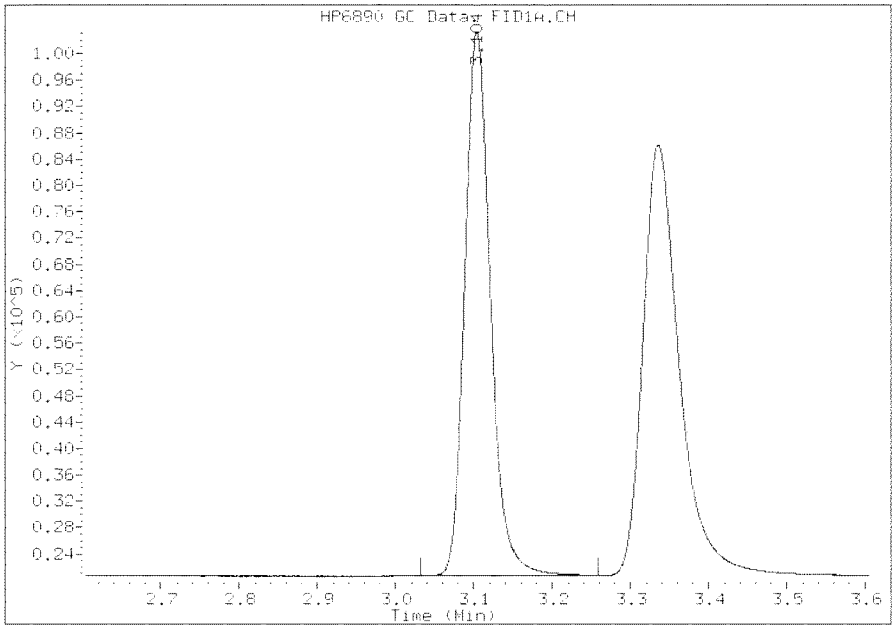
Manual Integration Results

RT: 3.10

Response: 82600

Amount: 132.45

Conc: 132.45



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 2 Ethene
CAS #: 74-85-1
Report Date: 05/01/2012

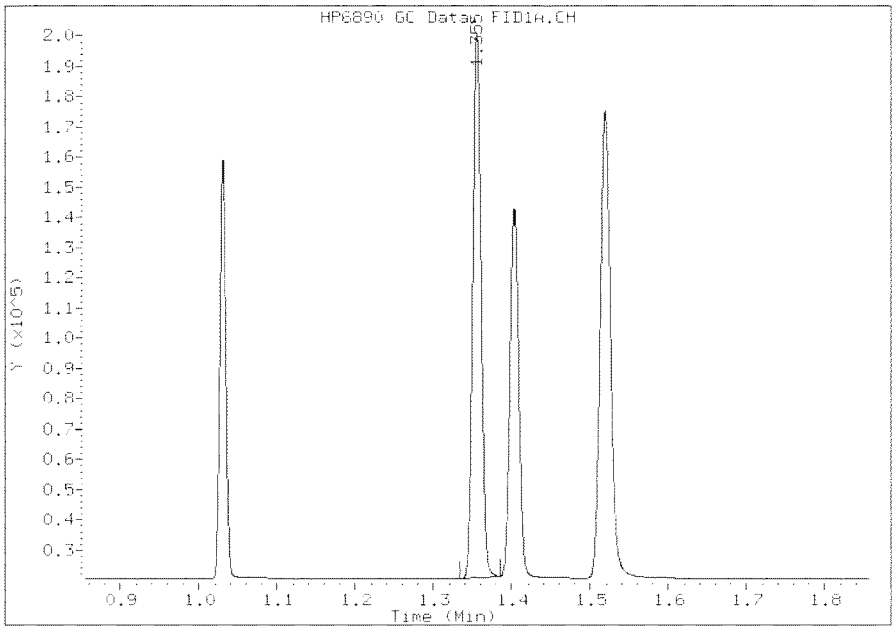
Processing Integration Results

RT: 1.36

Response: 180096

Amount: 91.65

Conc: 91.65



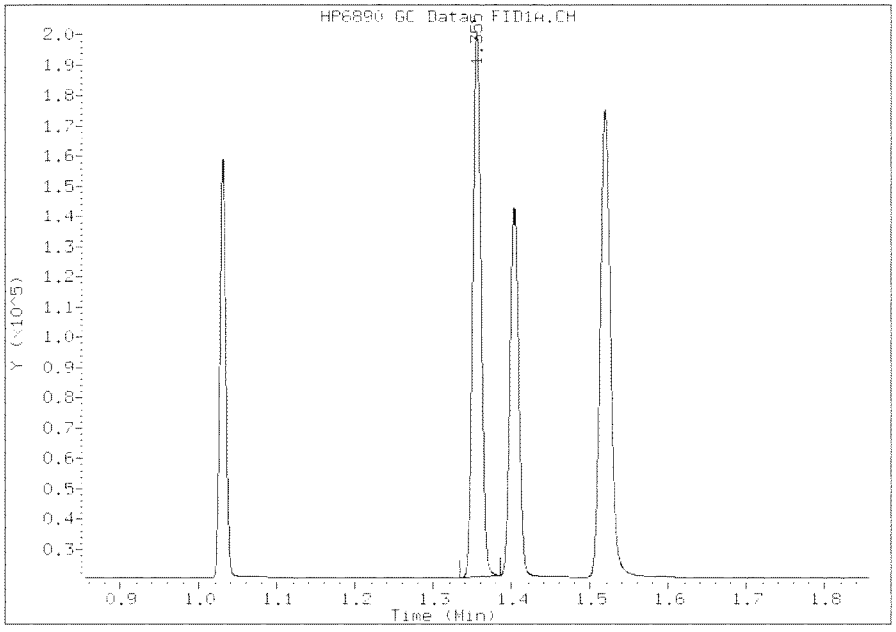
Manual Integration Results

RT: 1.36

Response: 180096

Amount: 91.65

Conc: 91.65



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 7 Propane
CAS #: 74-98-6
Report Date: 05/01/2012

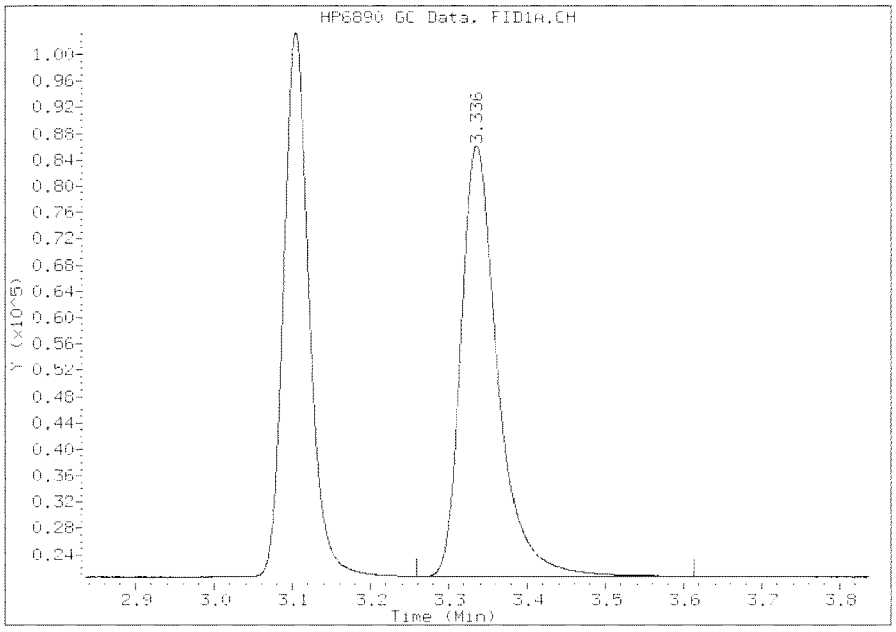
Processing Integration Results

RT: 3.34

Response: 65495

Amount: 140.61

Conc: 140.61



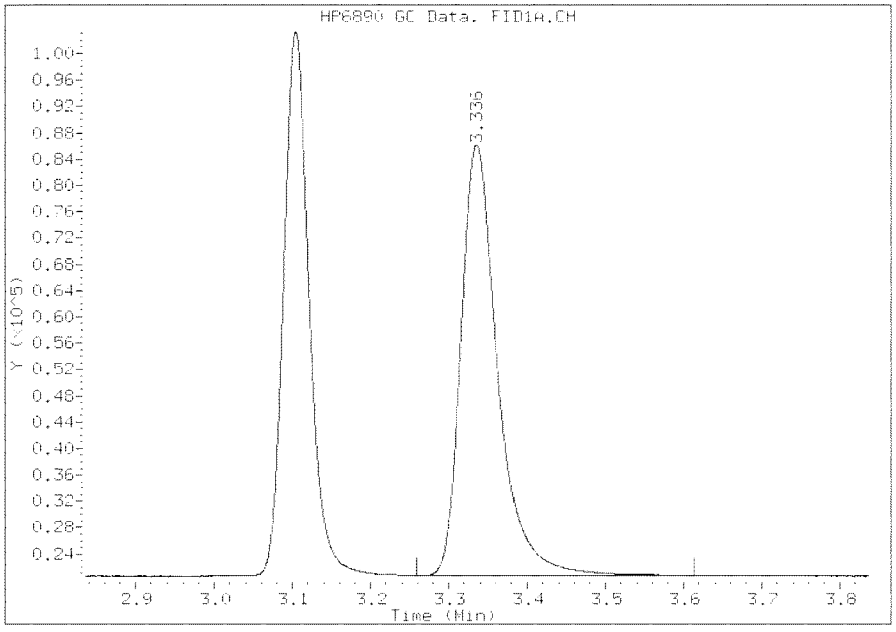
Manual Integration Results

RT: 3.34

Response: 65495

Amount: 140.61

Conc: 140.61



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 8 2-Methyl Propane
CAS #: 75-28-5
Report Date: 05/01/2012

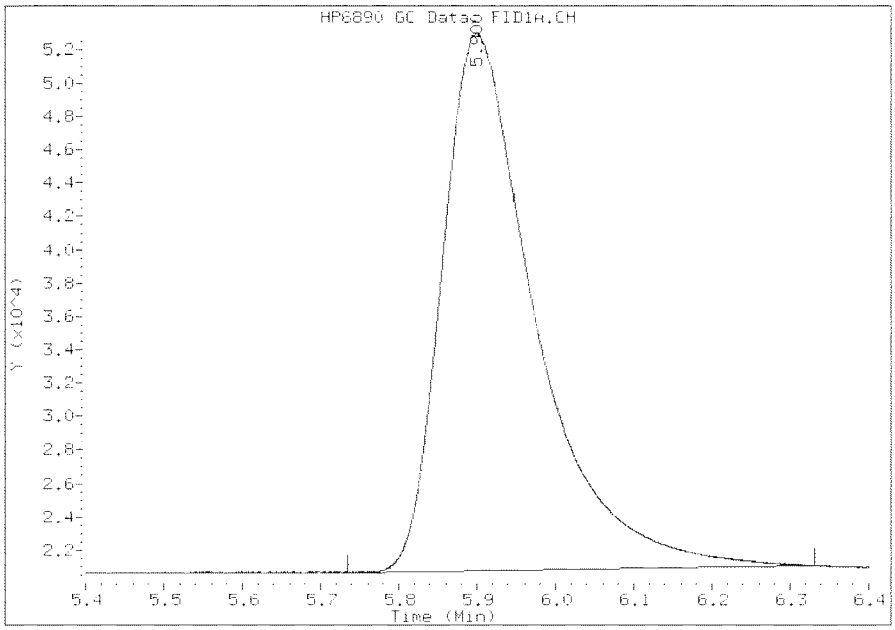
Processing Integration Results

RT: 5.90

Response: 32232

Amount: 179.10

Conc: 179.10



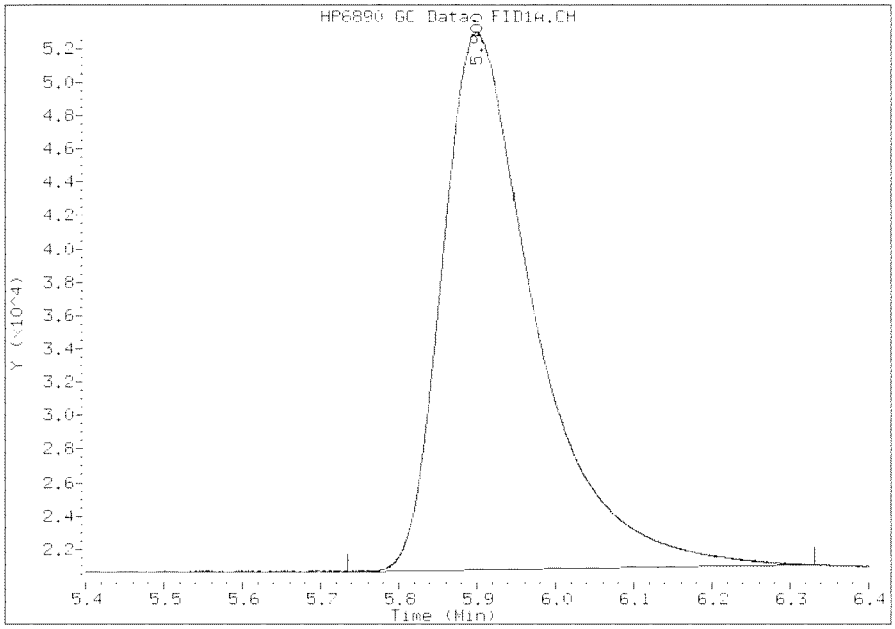
Manual Integration Results

RT: 5.90

Response: 32232

Amount: 179.10

Conc: 179.10



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 5 1,1,1-Trifluoroethane
CAS #: 420-46-2
Report Date: 05/01/2012

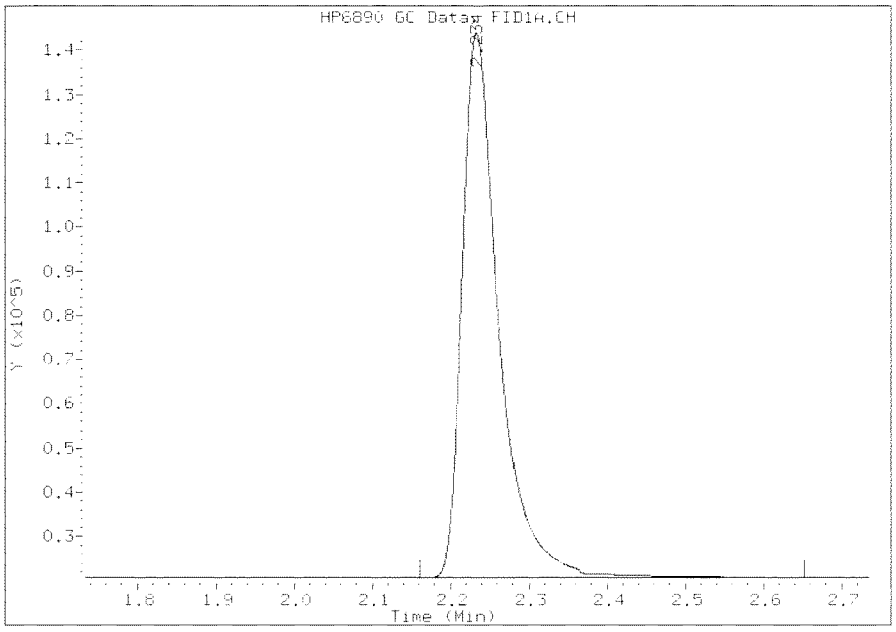
Processing Integration Results

RT: 2.23

Response: 123347

Amount: 687.19

Conc: 687.19



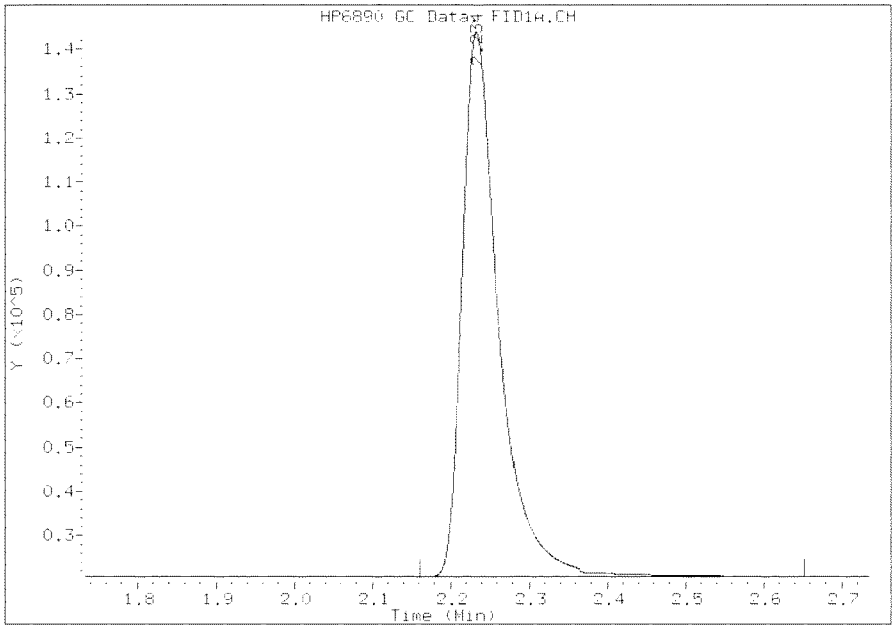
Manual Integration Results

RT: 2.23

Response: 123347

Amount: 687.19

Conc: 687.19



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: 04301203.D
Inj. Date and Time: 30-APR-2012 08:33
Instrument ID: RSK.i
Client ID:
Compound: 4 Ethane
CAS #: 74-84-0
Report Date: 05/01/2012

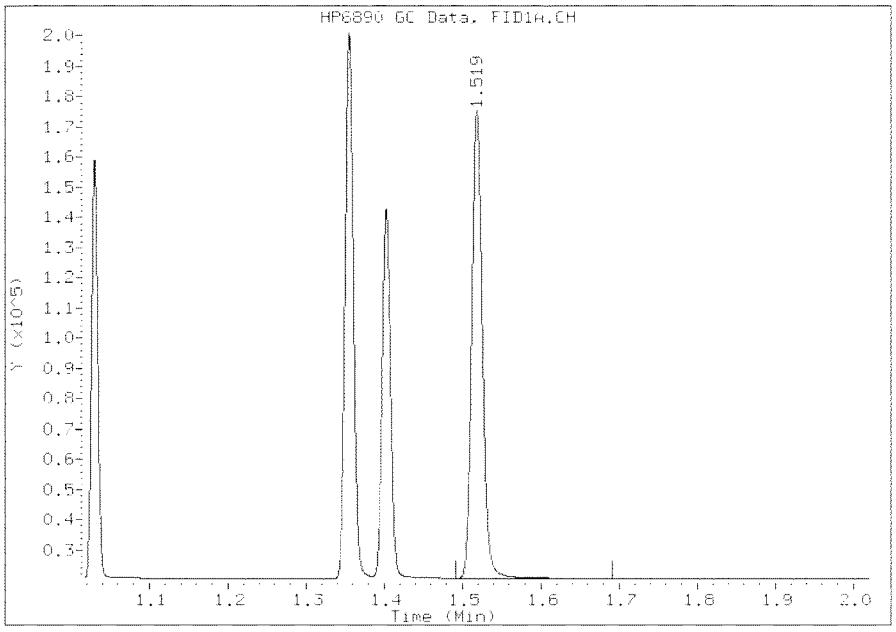
Processing Integration Results

RT: 1.52

Response: 154682

Amount: 98.29

Conc: 98.29



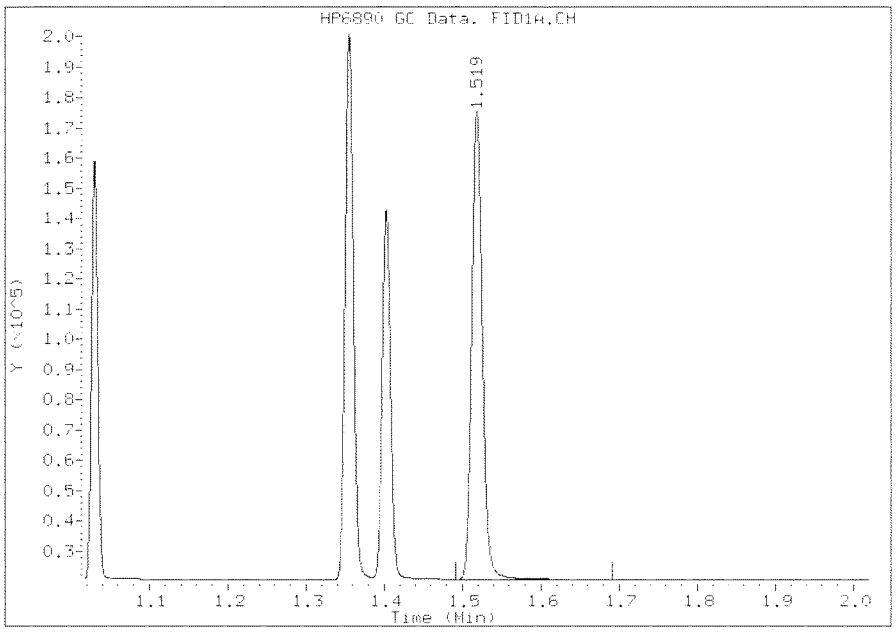
Manual Integration Results

RT: 1.52

Response: 154682

Amount: 98.29

Conc: 98.29



Manually Integrated By: goodr
Modification Date:
Manual Integration Reason: Poor Chromatography

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 180-34676/16 Calibration Date: 04/30/2012 12:10

Instrument ID: RSK Calib Start Date: 02/20/2012 08:17

GC Column: Rt-Alumina BOND ID: Calib End Date: 02/20/2012 10:12

Lab File ID: 04301218.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
Methane	Ave	2713	2473		49.9	54.7	-8.9	15.0
Ethylene	Ave	1965	1819		88.8	96.0	-7.4	15.0
Acetylene	Ave	1456	1411		86.1	88.8	-3.1	15.0
Ethane	Ave	1574	1437		93.8	103	-8.7	15.0
Propene	Ave	623.7	548.1		127	145	-12.1	15.0
Propane	Ave	465.8	405.8		132	152	-12.9	15.0
Propane, 2-methyl	Ave	180.0	149.5		165	199	-16.9*	15.0
Butane	Ave	335.5	207.2		160	259	-38.2*	15.0
1,1,1-Trifluoroethane	Ave	179.5	161.4		645	717	-10.1	15.0

FORM VI I
GC VOA CONTI NUI NG CALI BRATI ON RETENTI ON TI ME SUMMARY

Lab Name: Test Ameri ca Pi t t sburgh Job No. : 280-28076-1

SDG No. :

Lab Sampl e I D: CCV 180-34676/ 16 Cal i brat i on Dat e: 04/ 30/ 2012 12: 10

I nst rument I D: RSK Cal i b St art Dat e: 02/ 20/ 2012 08: 17

GC Col umn: Rt -Al umi na BOND I D: Cal i b End Dat e: 02/ 20/ 2012 10: 12

Lab Fi l e I D: 04301218. D Heat ed Purge: (Y/ N) N

Anal yt e	RT	RT WI NDOW	
		TO	FROM
Met hane	1. 03	1. 00	1. 06
Et hyl ene	1. 36	1. 33	1. 39
Acet yl ene	1. 40	1. 37	1. 43
Et hane	1. 52	1. 49	1. 55
Propene	3. 10	3. 07	3. 13
Propane	3. 34	3. 31	3. 37
Propane, 2-met hyl	5. 90	5. 87	5. 93
But ane	6. 58	6. 55	6. 61
Pent ane	9. 80	9. 75	9. 85
1, 1, 1-Tri fl uoroet hane	2. 23	2. 20	2. 26

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301218.D
Lab Smp Id: CCV
Inj Date : 30-APR-2012 12:10
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : CCV
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 12:21 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.030	1.030	0.000	135270	54.7080	49.85
2 Ethene	1.355	1.355	0.000	174572	95.9850	88.84
3 Acetylene	1.402	1.403	-0.001	125274	88.8120	86.05
4 Ethane	1.518	1.518	0.000	147605	102.683	93.79
5 1,1,1-Trifluoroethane	2.233	2.234	-0.001	115749	717.325	644.8
6 Propene	3.103	3.104	-0.001	79299	144.669	127.2
7 Propane	3.335	3.336	-0.001	61611	151.843	132.3
8 2-Methyl Propane	5.899	5.900	-0.001	29736	198.857	165.2
9 Butane	6.576	6.576	0.000	53590	258.593	159.7
10 Pentane	9.801	9.803	-0.002	52556	246.282	189.4

Data File: 04301218.D

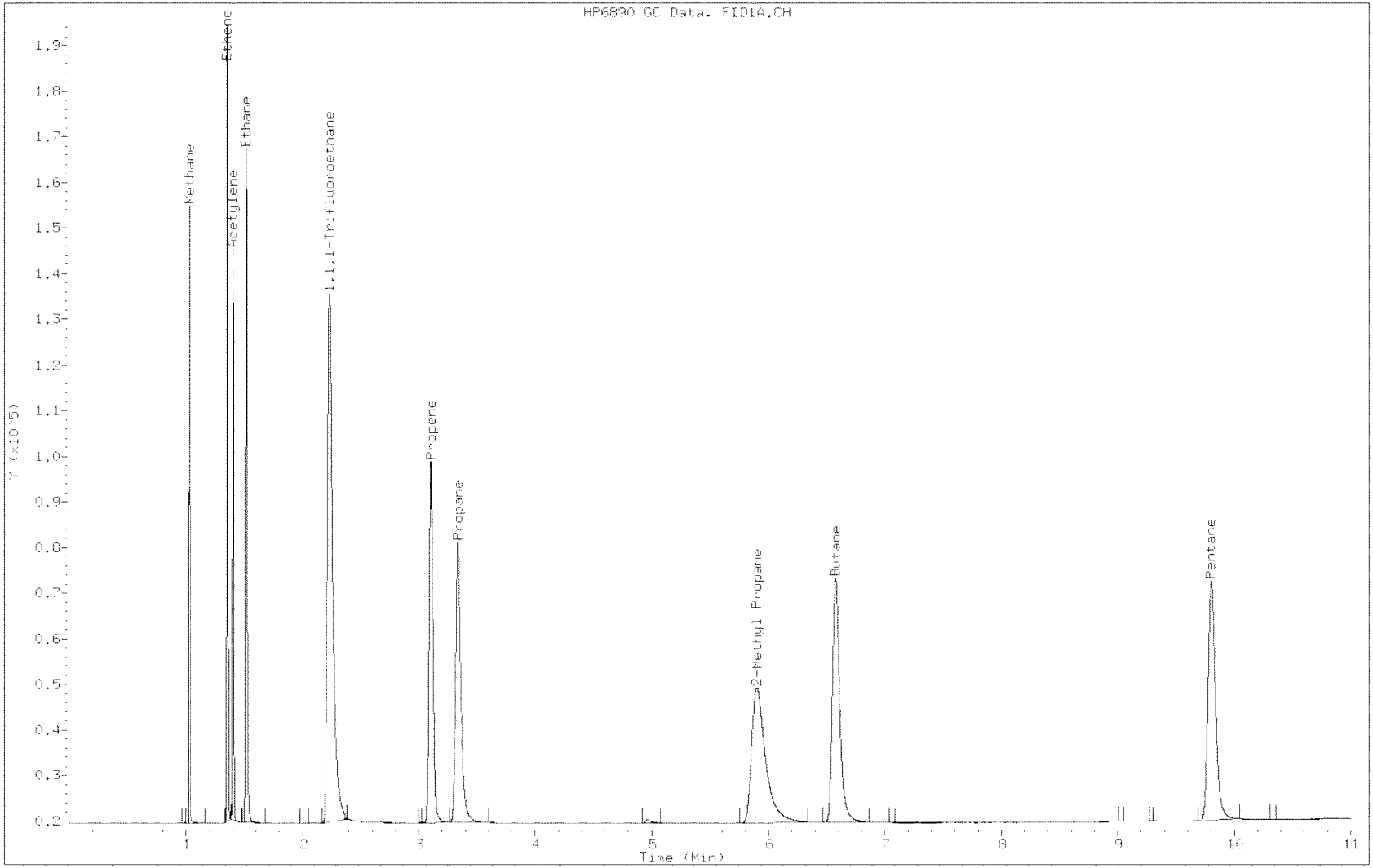
Date: 30-APR-2012 12:10

Client ID:

Instrument: RSK.i

Sample Info: CCV

Operator: RJG 22952



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 180-34676/31 Calibration Date: 04/30/2012 15:46

Instrument ID: RSK Calib Start Date: 02/20/2012 08:17

GC Column: Rt-Alumina BOND ID: Calib End Date: 02/20/2012 10:12

Lab File ID: 04301233.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
Methane	Ave	2713	2530		51.0	54.7	-6.8	15.0
Ethylene	Ave	1965	1896		92.6	96.0	-3.5	15.0
Acetylene	Ave	1456	1468		89.6	88.8	0.9	15.0
Ethane	Ave	1574	1504		98.1	103	-4.5	15.0
Propene	Ave	623.7	582.6		135	145	-6.6	15.0
Propane	Ave	465.8	430.8		140	152	-7.5	15.0
Propane, 2-methyl	Ave	180.0	161.6		179	199	-10.2	15.0
Butane	Ave	335.5	224.7		173	259	-33.0*	15.0
1,1,1-Trifluoroethane	Ave	179.5	175.1		700	717	-2.4	15.0

FORM VI I
GC VOA CONTI NUI NG CALI BRATI ON RETENTI ON TI ME SUMMARY

Lab Name: Test Ameri ca Pi t t sburgh Job No. : 280-28076-1

SDG No. :

Lab Sampl e I D: CCV 180-34676/ 31 Cal i brat i on Dat e: 04/ 30/ 2012 15: 46

I nst rument I D: RSK Cal i b St art Dat e: 02/ 20/ 2012 08: 17

GC Col umn: Rt -Al umi na BOND I D: Cal i b End Dat e: 02/ 20/ 2012 10: 12

Lab Fi l e I D: 04301233. D Heat ed Purge: (Y/ N) N

Anal yt e	RT	RT WI NDOW	
		TO	FROM
Met hane	1. 03	1. 00	1. 06
Et hyl ene	1. 36	1. 33	1. 39
Acet yl ene	1. 40	1. 37	1. 43
Et hane	1. 52	1. 49	1. 55
Propene	3. 10	3. 07	3. 13
Propane	3. 34	3. 31	3. 37
Propane, 2-met hyl	5. 90	5. 87	5. 93
But ane	6. 58	6. 55	6. 61
Pent ane	9. 80	9. 75	9. 85
1, 1, 1-Tri fl uoroet hane	2. 23	2. 20	2. 26

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301233.D
Lab Smp Id: CCV
Inj Date : 30-APR-2012 15:46
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : CCV
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 01-May-2012 06:07 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 33 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.029	1.030	-0.001	138401	54.7080	51.00
2 Ethene	1.355	1.355	0.000	181957	95.9850	92.60
3 Acetylene	1.402	1.403	-0.001	130403	88.8120	89.57
4 Ethane	1.518	1.518	0.000	154389	102.683	98.10
5 1,1,1-Trifluoroethane	2.233	2.234	-0.001	125622	717.325	699.8
6 Propene	3.102	3.104	-0.002	84289	144.669	135.2
7 Propane	3.335	3.336	-0.001	65411	151.843	140.4
8 2-Methyl Propane	5.895	5.900	-0.005	32140	198.857	178.6
9 Butane	6.576	6.576	0.000	58114	258.593	173.2
10 Pentane	9.803	9.803	0.000	58986	246.282	212.6

Data File: 04301233.D

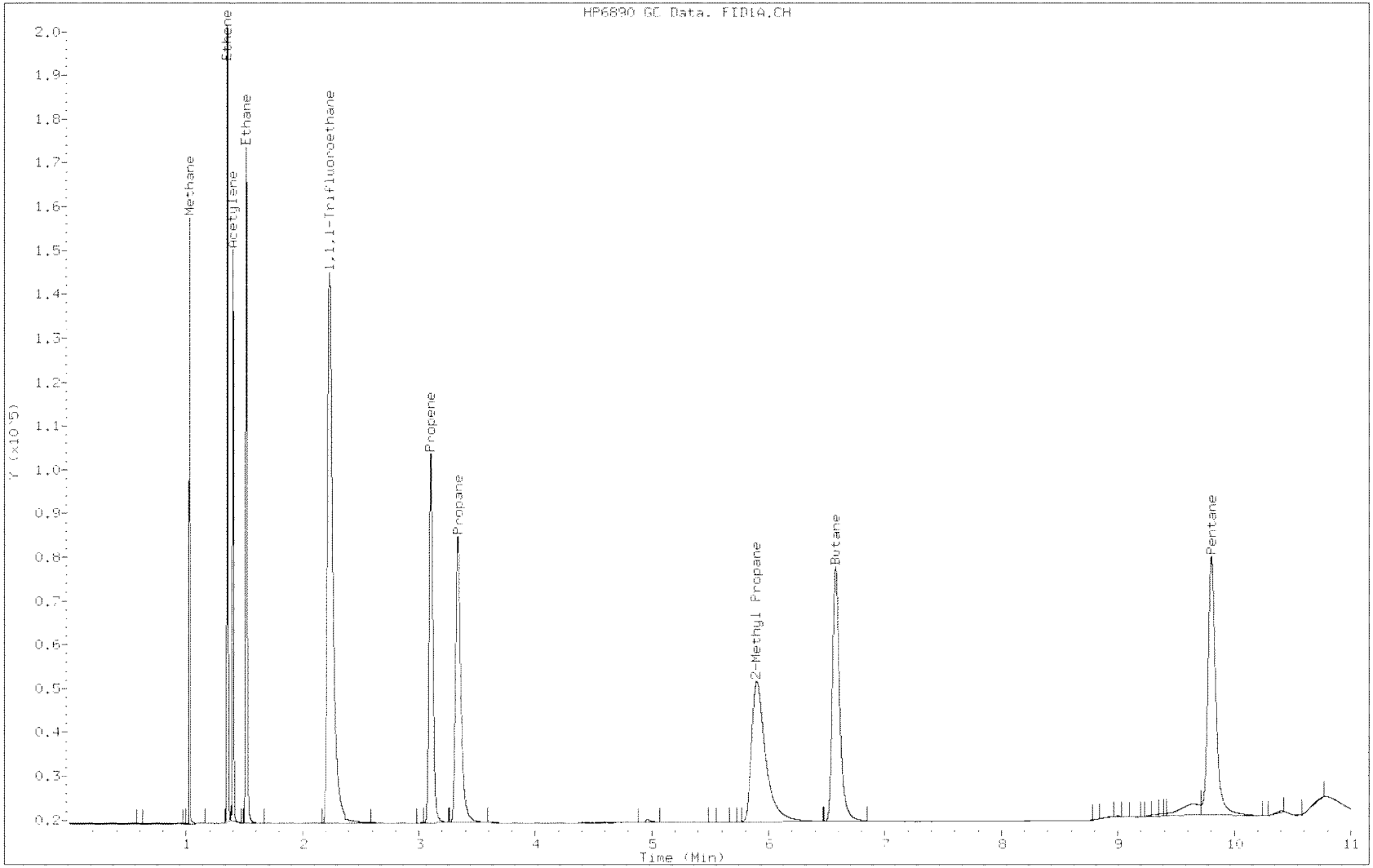
Date: 30-APR-2012 15:46

Client ID:

Instrument: RSK.i

Sample Info: CCV

Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-117933/4

Matrix: Water | Lab File ID: 005F0501.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 12:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	ND		5.0	0.22
74-85-1	Ethylene	ND		5.0	0.40
74-84-0	Ethane	ND		5.0	0.57

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\005F0501.D
Lab Smp Id: mb
Inj Date : 01-MAY-2012 12:12
Operator : mps   Inst ID: GC_J.i
Smp Info : mb
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 5   QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

Data File: 005F0501.D

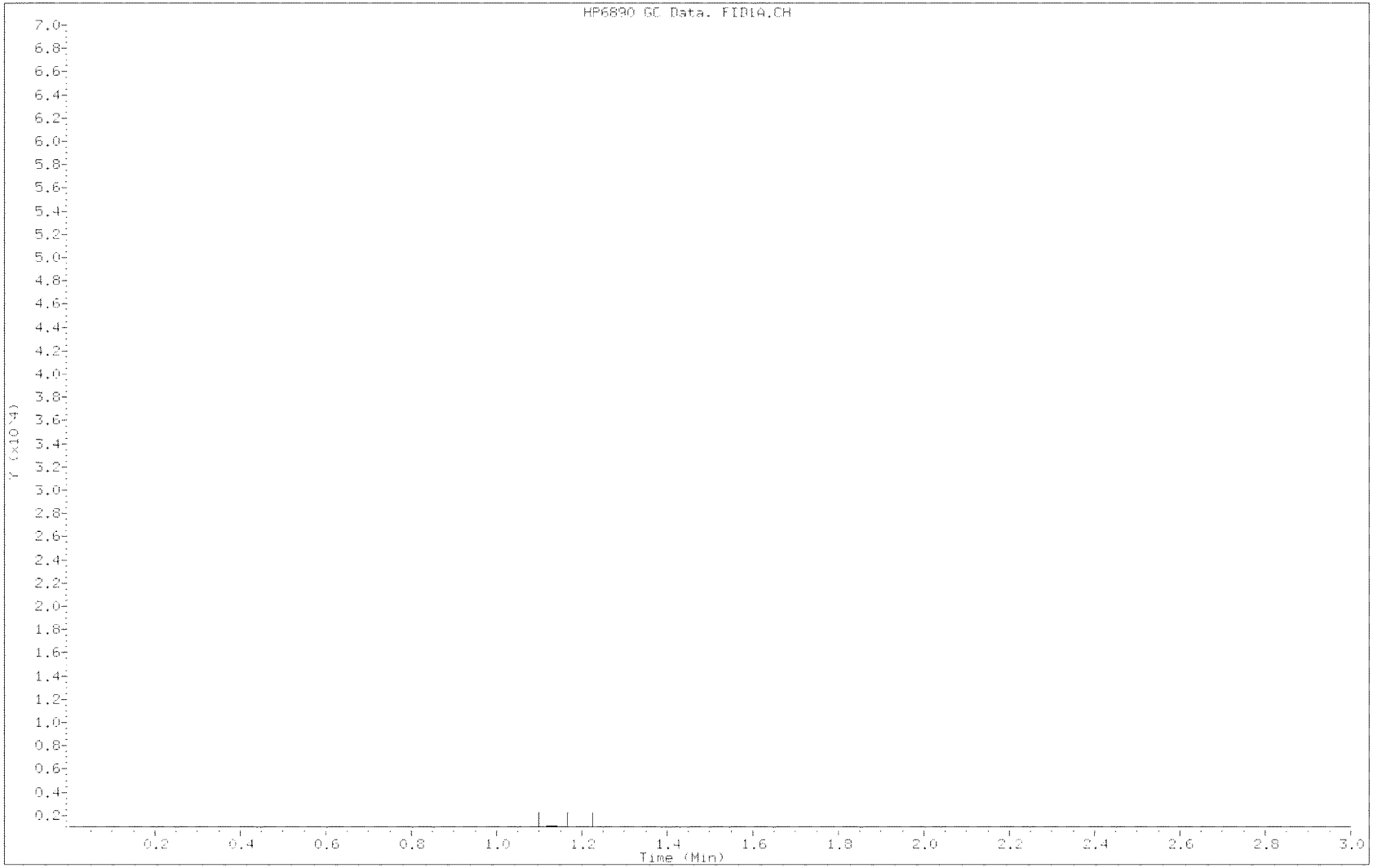
Date: 01-MAY-2012 12:12

Client ID:

Instrument: GC_J.i

Sample Info: mb

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-117933/4

Matrix: Water | Lab File ID: 005F0501.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 12:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*ND*		*5.0*	*0.22*
74-85-1	*Ethylene*	*ND*		*5.0*	*0.40*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\005F0501.D
Lab Smp Id: mb
Inj Date : 01-MAY-2012 12:12
Operator : mps   Inst ID: GC_J.i
Smp Info : mb
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 5   QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 AcetyleneEthane	Compound Not Detected.					

Data File: 005F0501.D

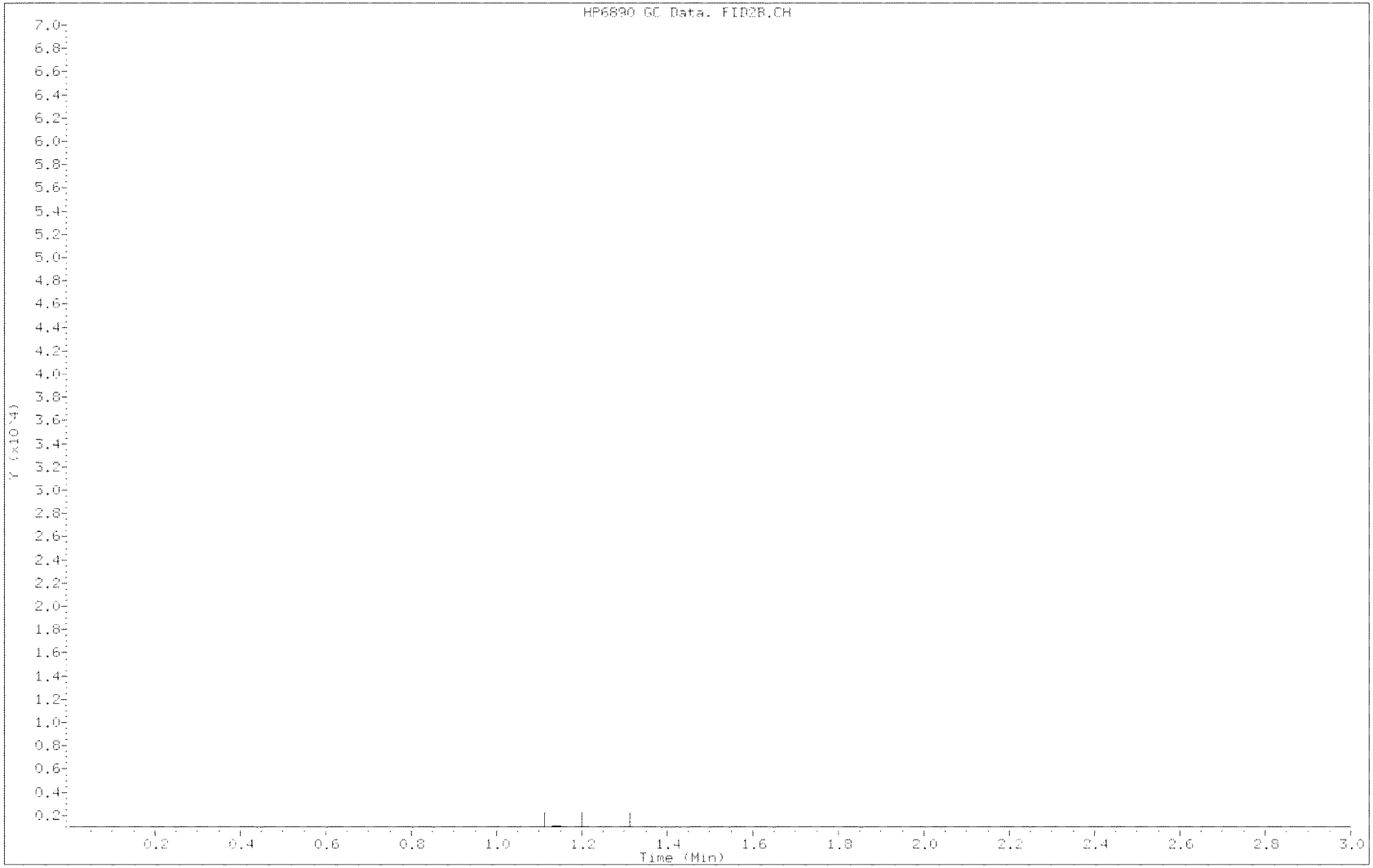
Date: 01-MAY-2012 12:12

Client ID:

Instrument: GC_J.i

Sample Info: mb

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Pittsburgh | Job No.: 280-28076-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 180-34676/2
Matrix: Water | Lab File ID: 04301204.D
Analysis Method: RSK-175 | Date Collected:
Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 08:47
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	ND		5.0	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	86		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301204.D
Lab Smp Id: MB
Inj Date : 30-APR-2012 08:47
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : MB
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 08:45 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1	Methane	1.029	1.030	-0.001	995	0.36669	0.3667(a)
2	Ethene	Compound Not Detected.					
3	Acetylene	Compound Not Detected.					
4	Ethane	Compound Not Detected.					
5	1,1,1-Trifluoroethane	2.226	2.234	-0.008	1101978	6139.29	6139
6	Propene	Compound Not Detected.					
7	Propane	Compound Not Detected.					
8	2-Methyl Propane	Compound Not Detected.					
9	Butane	Compound Not Detected.					
10	Pentane	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 04301204.D

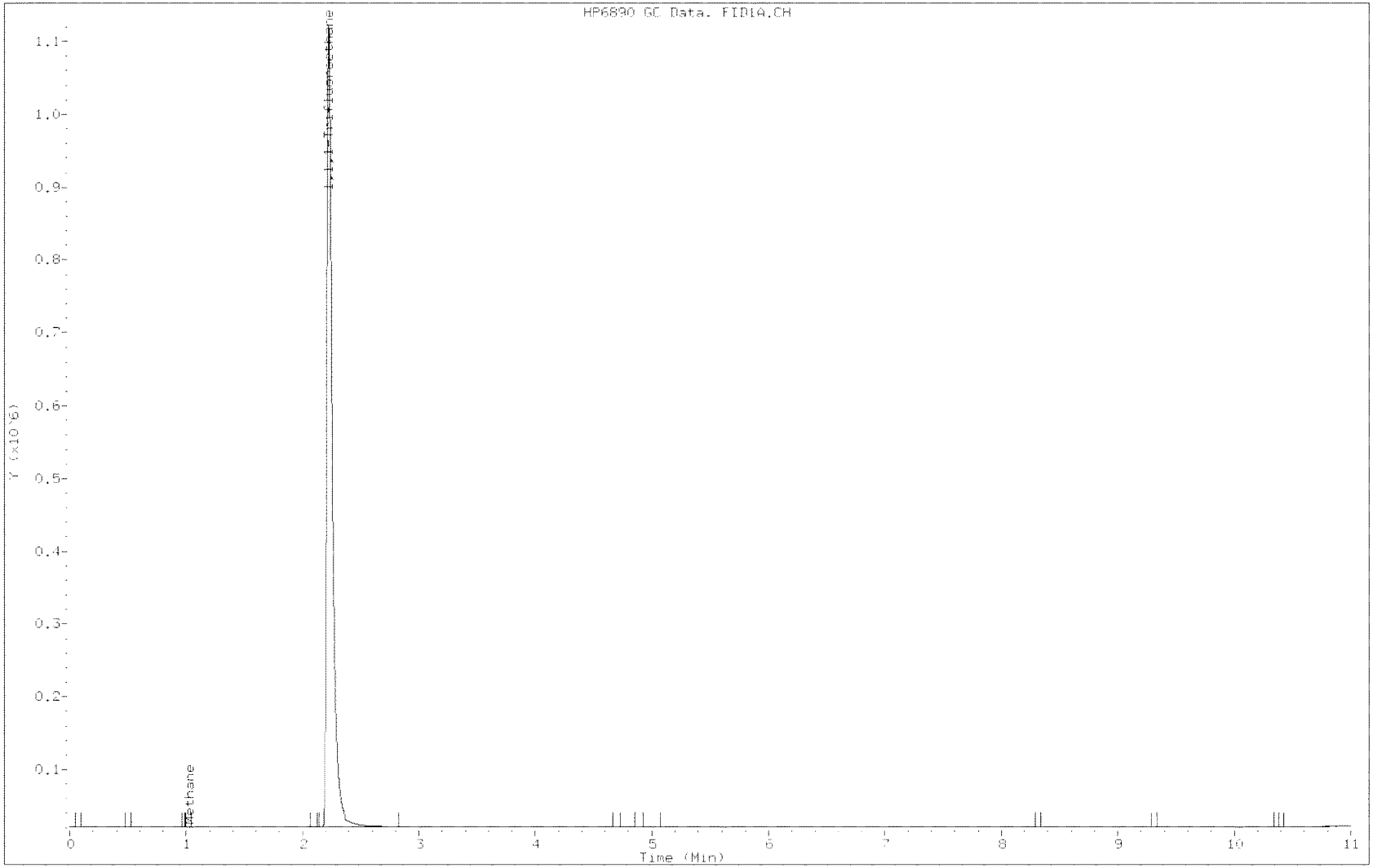
Date: 30-APR-2012 08:47

Client ID:

Instrument: RSK.i

Sample Info: MB

Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117933/2

Matrix: Water | Lab File ID: 003F0301.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 12:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	67.1		5.0	0.22
74-85-1	Ethylene	119		5.0	0.40
74-84-0	Ethane	128		5.0	0.57

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\003F0301.D
Lab Smp Id: lcs-601423
Inj Date : 01-MAY-2012 12:03
Operator : mps   Inst ID: GC_J.i
Smp Info : lcs-601423
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 3   QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.129	1.126	0.003	79575	67.1311	67.13
2 Ethene	1.332	1.330	0.002	106322	118.750	118.7
3 Ethane	1.386	1.383	0.003	145218	128.013	128.0
4 Acetylene	1.631	1.628	0.003	37363	106.165	106.2

Data File: 003F0301.D

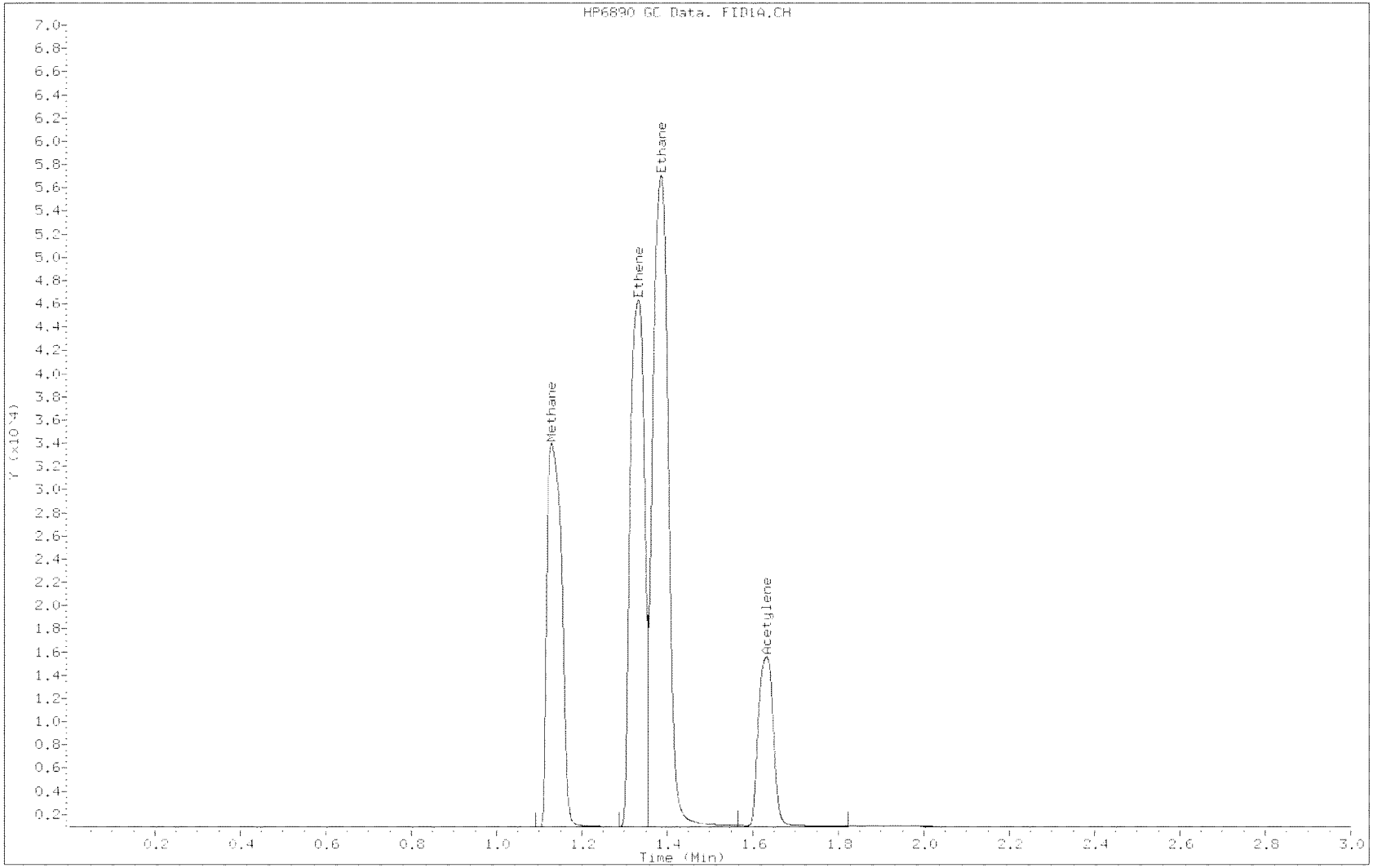
Date: 01-MAY-2012 12:03

Client ID:

Instrument: GC_J.i

Sample Info: lcs-601423

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117933/2

Matrix: Water | Lab File ID: 003F0301.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 12:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*66.5*		*5.0*	*0.22*
74-85-1	*Ethylene*	*118*		*5.0*	*0.40*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\003F0301.D
Lab Smp Id: lcs-601423
Inj Date : 01-MAY-2012 12:03
Operator : mps   Inst ID: GC_J.i
Smp Info : lcs-601423
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 3   QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.144	1.142	0.002	79971	66.4642	66.46
2 Ethene	1.340	1.337	0.003	107964	118.375	118.4
3 AcetyleneEthane	1.427	1.425	0.002	176695	226.974	227.0

Data File: 003F0301.D

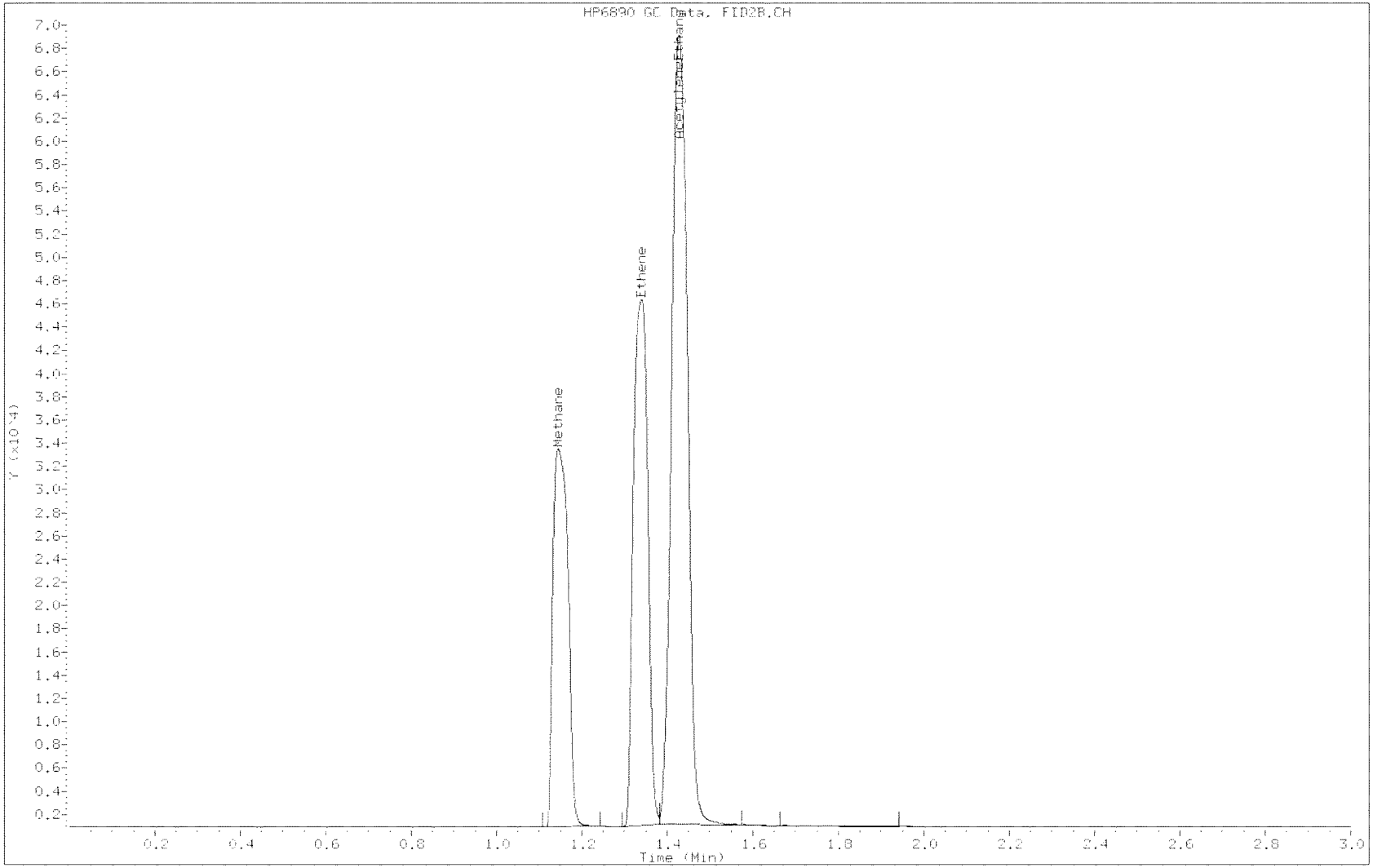
Date: 01-MAY-2012 12:03

Client ID:

Instrument: GC_J.i

Sample Info: lcs-601423

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117933/3

Matrix: Water | Lab File ID: 004F0401.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	68.8		5.0	0.22
74-85-1	Ethylene	121		5.0	0.40
74-84-0	Ethane	130		5.0	0.57

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\004F0401.D
Lab Smp Id: lcsd-601423
Inj Date : 01-MAY-2012 12:07
Operator : mps   Inst ID: GC_J.i
Smp Info : lcsd-601423
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 01-May-2012 12:03 SmithM   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 4   QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.130	1.126	0.004	81503	68.7664	68.77
2 Ethene	1.334	1.330	0.004	108595	121.288	121.3
3 Ethane	1.387	1.383	0.004	147975	130.443	130.4
4 Acetylene	1.632	1.628	0.004	38310	108.856	108.8

Data File: 004F0401.D

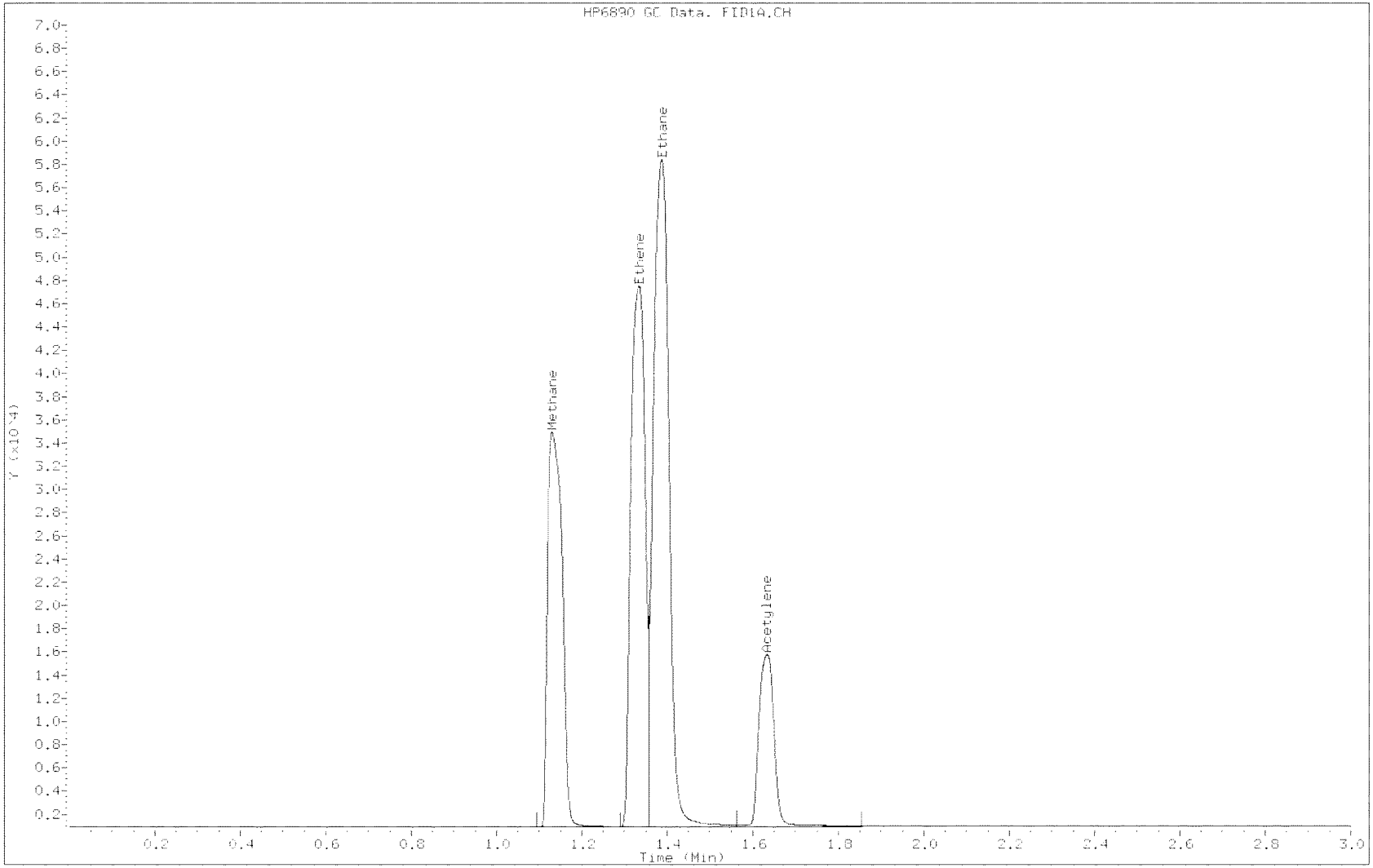
Date: 01-MAY-2012 12:07

Client ID:

Instrument: GC_J.i

Sample Info: lcsd-601423

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-117933/3

Matrix: Water | Lab File ID: 004F0401.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*68.0*		*5.0*	*0.22*
74-85-1	*Ethylene*	*121*		*5.0*	*0.40*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\004F0401.D
Lab Smp Id: lcsd-601423
Inj Date : 01-MAY-2012 12:07
Operator : mps   Inst ID: GC_J.i
Smp Info : lcsd-601423
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 01-May-2012 13:05 mooret   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 4   QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.146	1.142	0.004	81864	68.0456	68.04
2 Ethene	1.341	1.337	0.004	109939	120.541	120.5
3 AcetyleneEthane	1.428	1.425	0.003	179597	230.702	230.7

Data File: 004F0401.D

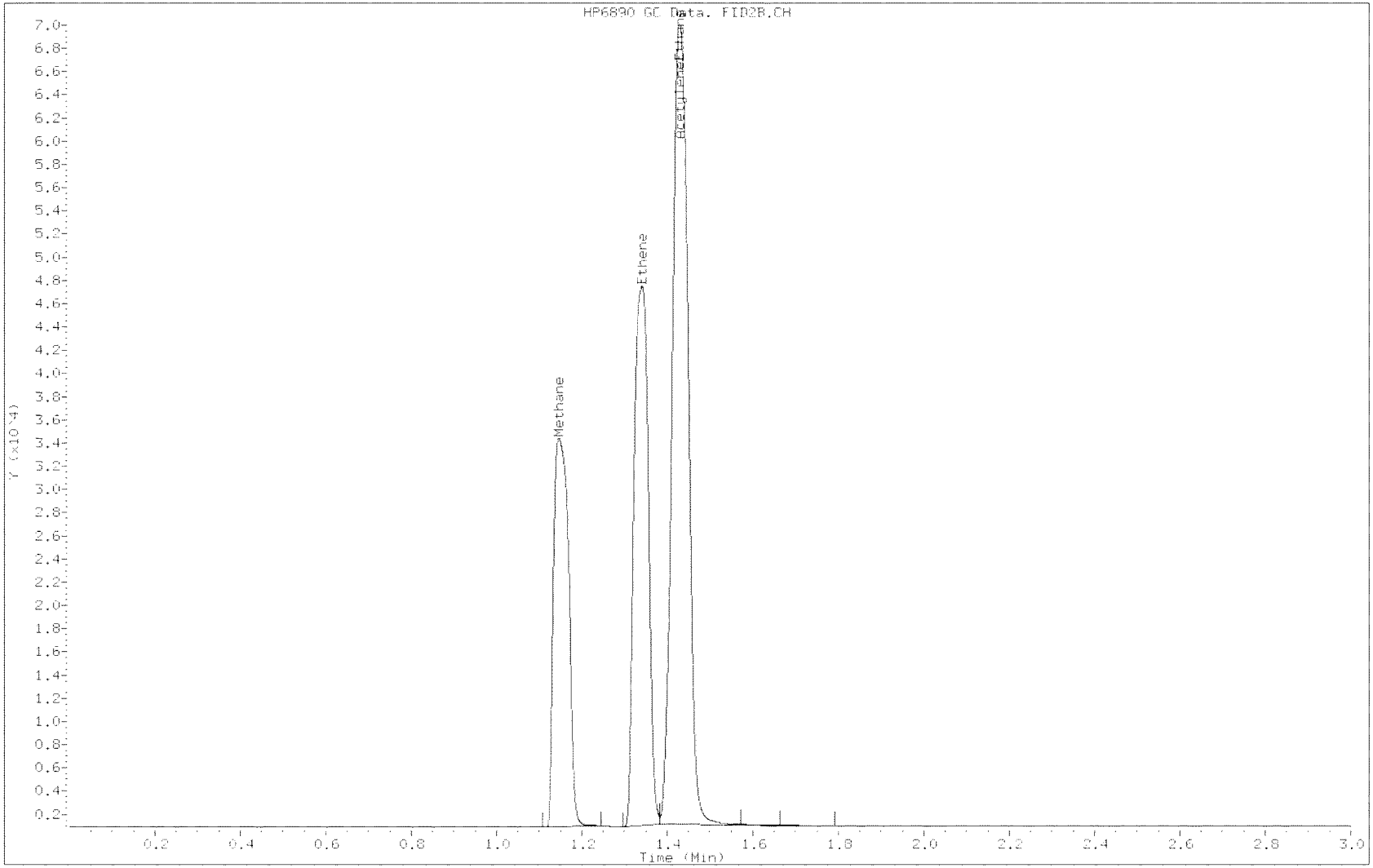
Date: 01-MAY-2012 12:07

Client ID:

Instrument: GC_J.i

Sample Info: lcsd-601423

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-34676/3

Matrix: Water | Lab File ID: 04301205.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 09:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	140		5.0	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	95		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301205.D
Lab Smp Id: LCS
Inj Date : 30-APR-2012 09:02
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : LCS
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 09:15 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.030	1.030	0.000	133168	54.6530	49.08
2 Ethene	1.355	1.355	0.000	186240	95.9850	94.78
3 Acetylene	1.402	1.403	-0.001	137768	88.8120	94.63
4 Ethane	1.518	1.518	0.000	155399	102.817	98.74
5 1,1,1-Trifluoroethane	2.226	2.234	-0.008	1212899	7101.52	6757
6 Propene	3.102	3.104	-0.002	86379	143.807	138.5
7 Propane	3.334	3.336	-0.002	65174	150.638	139.9
8 2-Methyl Propane	5.902	5.900	0.002	32238	198.460	179.1
9 Butane	6.575	6.576	-0.001	57884	198.460	172.5
10 Pentane	9.803	9.803	0.000	53082	246.282	191.3

Data File: 04301205.D

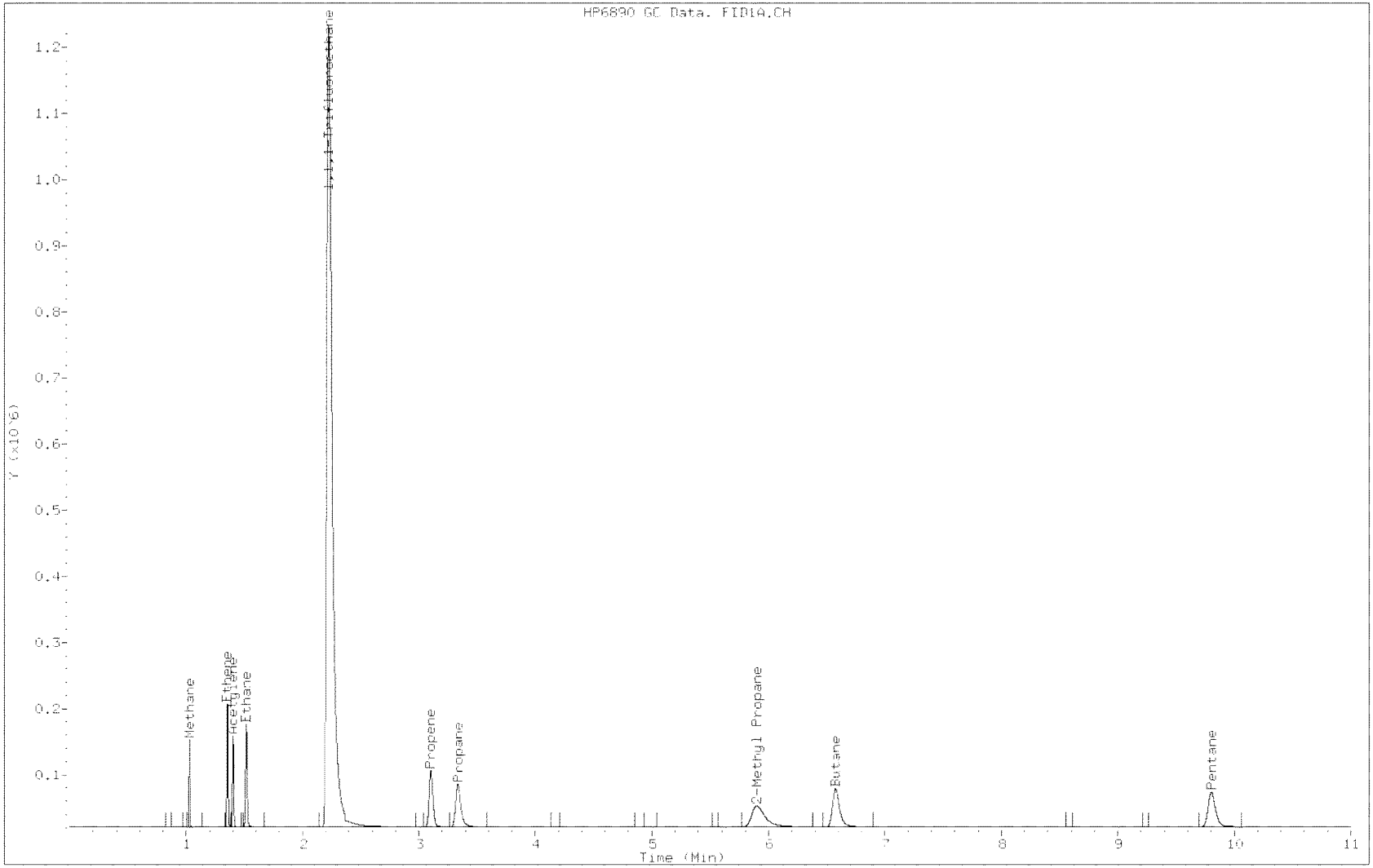
Date: 30-APR-2012 09:02

Client ID:

Instrument: RSK.i

Sample Info: LCS

Operator: RJG 22952



EPAPAV0012592

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-34676/4

Matrix: Water | Lab File ID: 04301206.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 09:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	134		5.0	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	92		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301206.D
Lab Smp Id: LCSD
Inj Date : 30-APR-2012 09:16
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : LCSD
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 09:29 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.029	1.030	-0.001	131869	54.6530	48.60
2 Ethene	1.355	1.355	0.000	179075	95.9850	91.13
3 Acetylene	1.402	1.403	-0.001	133082	88.8120	91.41
4 Ethane	1.518	1.518	0.000	148986	102.817	94.67
5 1,1,1-Trifluoroethane	2.226	2.234	-0.008	1166945	7101.52	6501
6 Propene	3.103	3.104	-0.001	82493	143.807	132.3
7 Propane	3.336	3.336	0.000	62327	150.638	133.8
8 2-Methyl Propane	5.902	5.900	0.002	30967	198.460	172.1
9 Butane	6.576	6.576	0.000	55382	198.460	165.1
10 Pentane	9.806	9.803	0.003	50938	246.282	183.6

Data File: 04301206.D

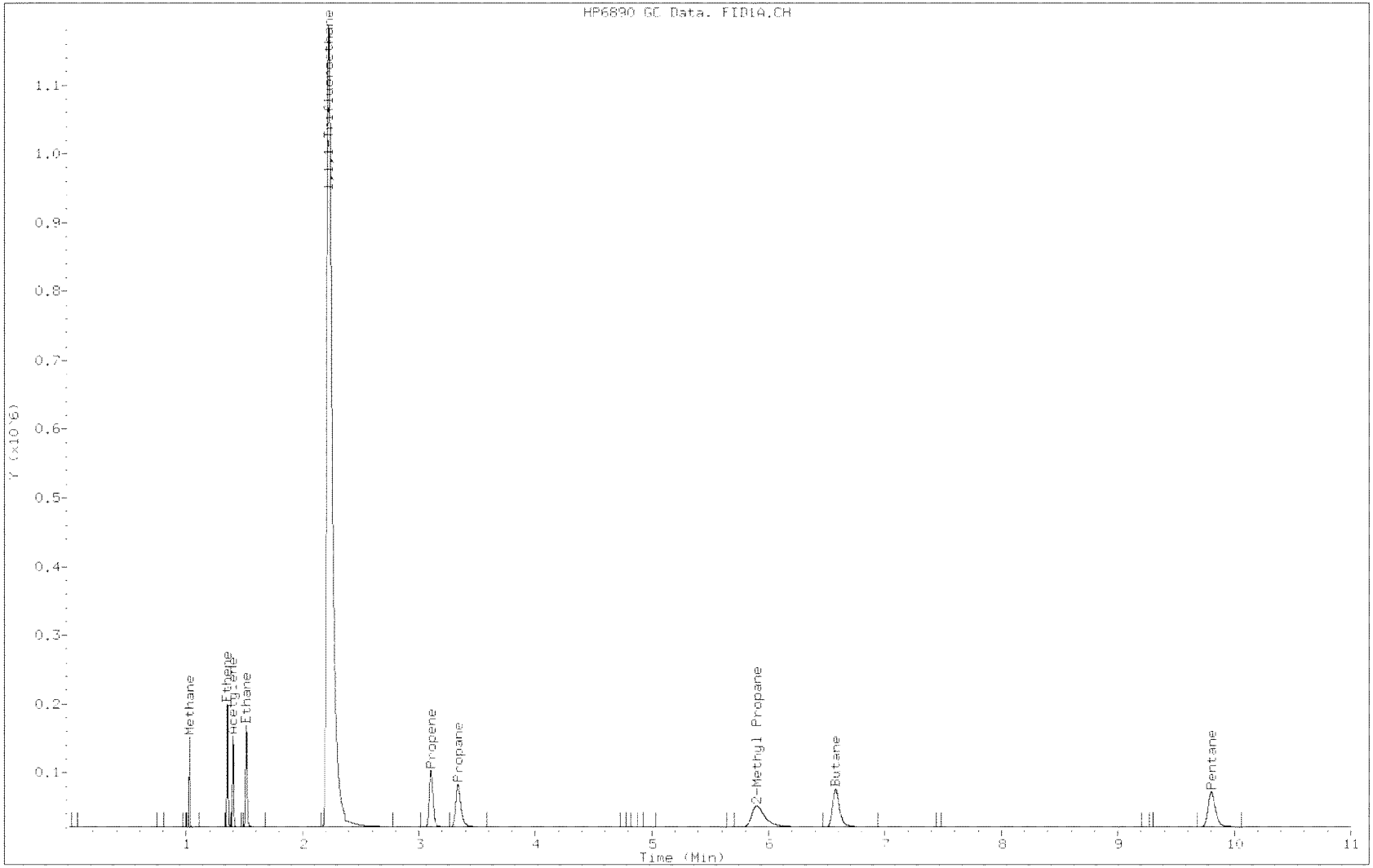
Date: 30-APR-2012 09:16

Client ID:

Instrument: RSK.i

Sample Info: LCSD

Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BX-4 MS

Matrix: Water | Lab File ID: 037F3801.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 16:54

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	41000		90	3.9
74-85-1	Ethylene	2170		90	7.2
74-84-0	Ethane	7780		90	10

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\037F3801.D
Lab Smp Id: 280-28131-BX-4 ms
Inj Date : 01-MAY-2012 16:54
Operator : mps   Inst ID: GC_J.i
Smp Info : 280-28131-BX-4 ms
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 02-May-2012 12:13 smithm   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 37   QC Sample: MS
Dil Factor: 18.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.122	1.126	-0.004	2683317	2275.58	40960(R)
2 Ethene	1.327	1.330	-0.003	107724	120.315	2166(RM)
3 Ethane	1.380	1.383	-0.003	490279	432.191	7779(RM)
4 Acetylene	1.626	1.628	-0.002	36230	102.946	1853(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 037F3801.D

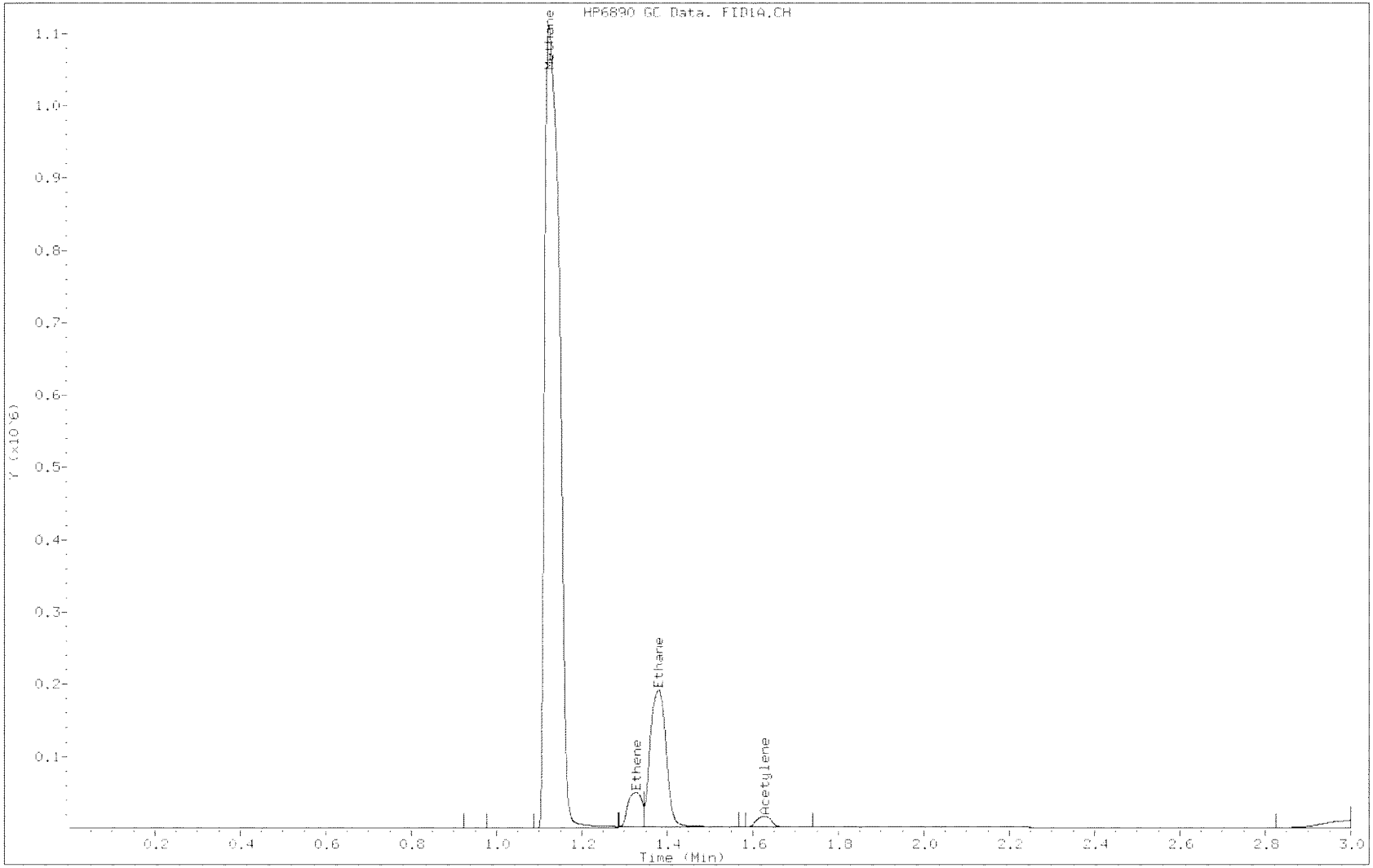
Date: 01-MAY-2012 16:54

Client ID:

Instrument: GC_J.i

Sample Info: 280-28131-BX-4 ms

Operator: mps



Manual Integration Report

Data File: 037F3801.D
Inj. Date and Time: 01-MAY-2012 16:54
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 05/02/2012

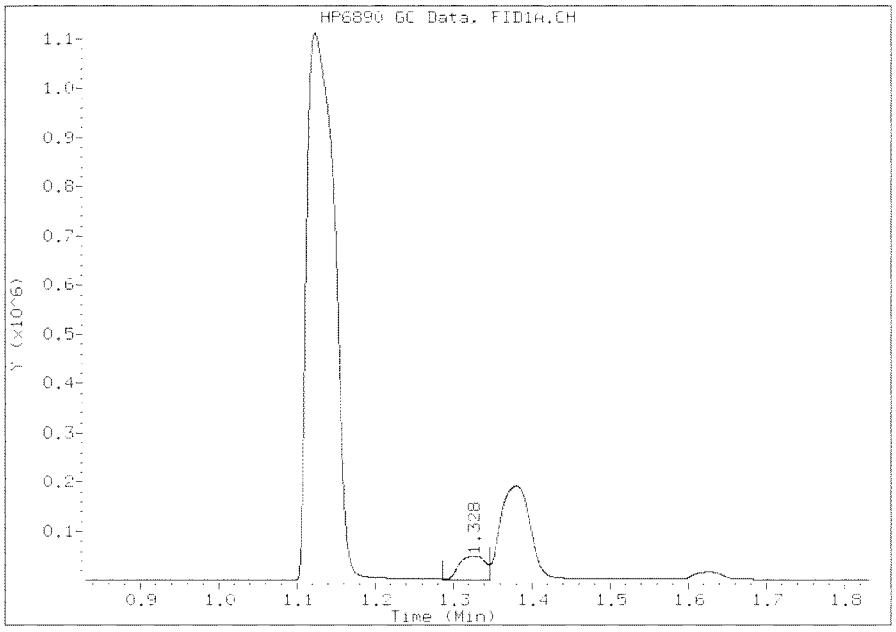
Processing Integration Results

RT: 1.33

Response: 113843

Amount: 127.15

Conc: 2288.69



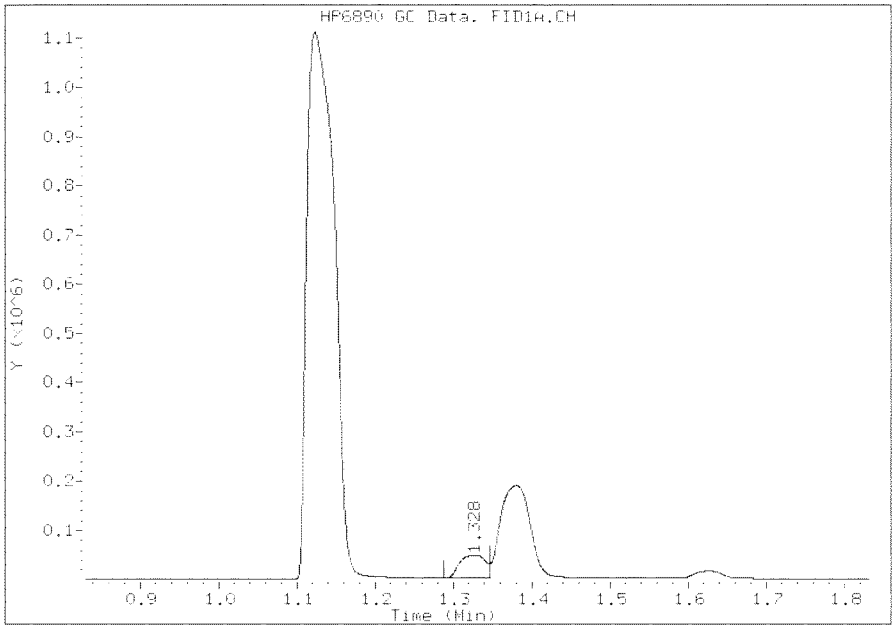
Manual Integration Results

RT: 1.33

Response: 107724

Amount: 120.32

Conc: 2165.68



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 037F3801.D
Inj. Date and Time: 01-MAY-2012 16:54
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

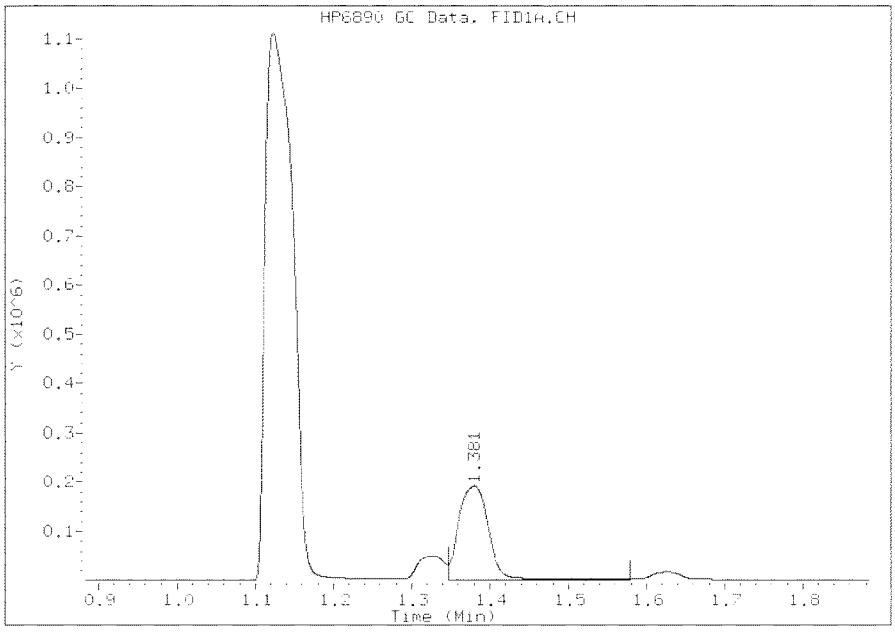
Processing Integration Results

RT: 1.38

Response: 511013

Amount: 450.47

Conc: 8108.43



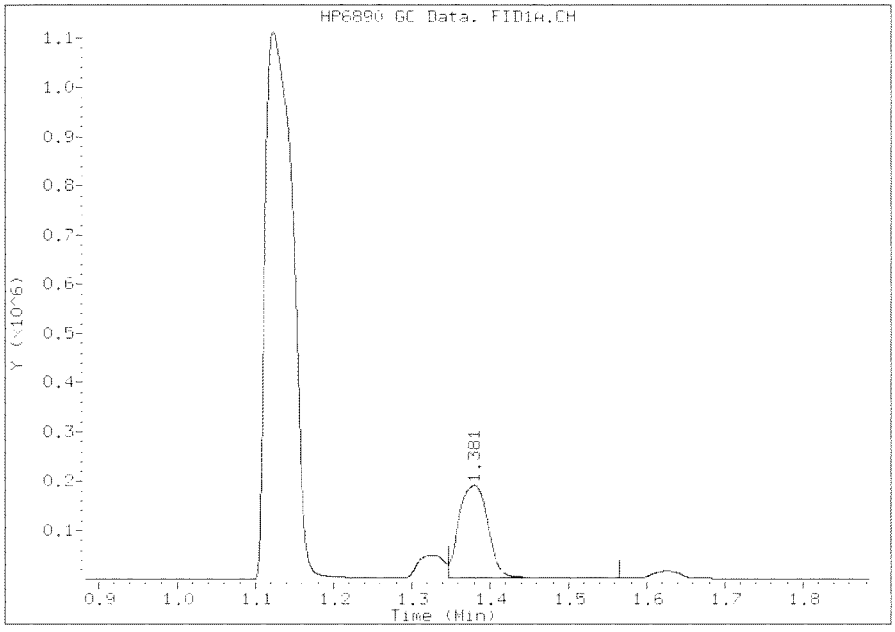
Manual Integration Results

RT: 1.38

Response: 490279

Amount: 432.19

Conc: 7779.44



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:16
Manual Integration Reason: Baseline Event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BX-4 MS

Matrix: Water | Lab File ID: 037F3801.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 16:54

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*40500*		*90*	*3.9*
74-85-1	*Ethylene*	*2310*		*90*	*7.2*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\037F3801.D
Lab Smp Id: 280-28131-BX-4 ms
Inj Date : 01-MAY-2012 16:54
Operator : mps   Inst ID: GC_J.i
Smp Info : 280-28131-BX-4 ms
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 02-May-2012 12:22 smithm   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 37   QC Sample: MS
Dil Factor: 18.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.138	1.142	-0.004	2696376	2252.29	40540(R)
2 Ethene	1.335	1.337	-0.002	117203	128.505	2313(R)
3 AcetyleneEthane	1.424	1.425	-0.001	526431	676.227	12170(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 037F3801.D

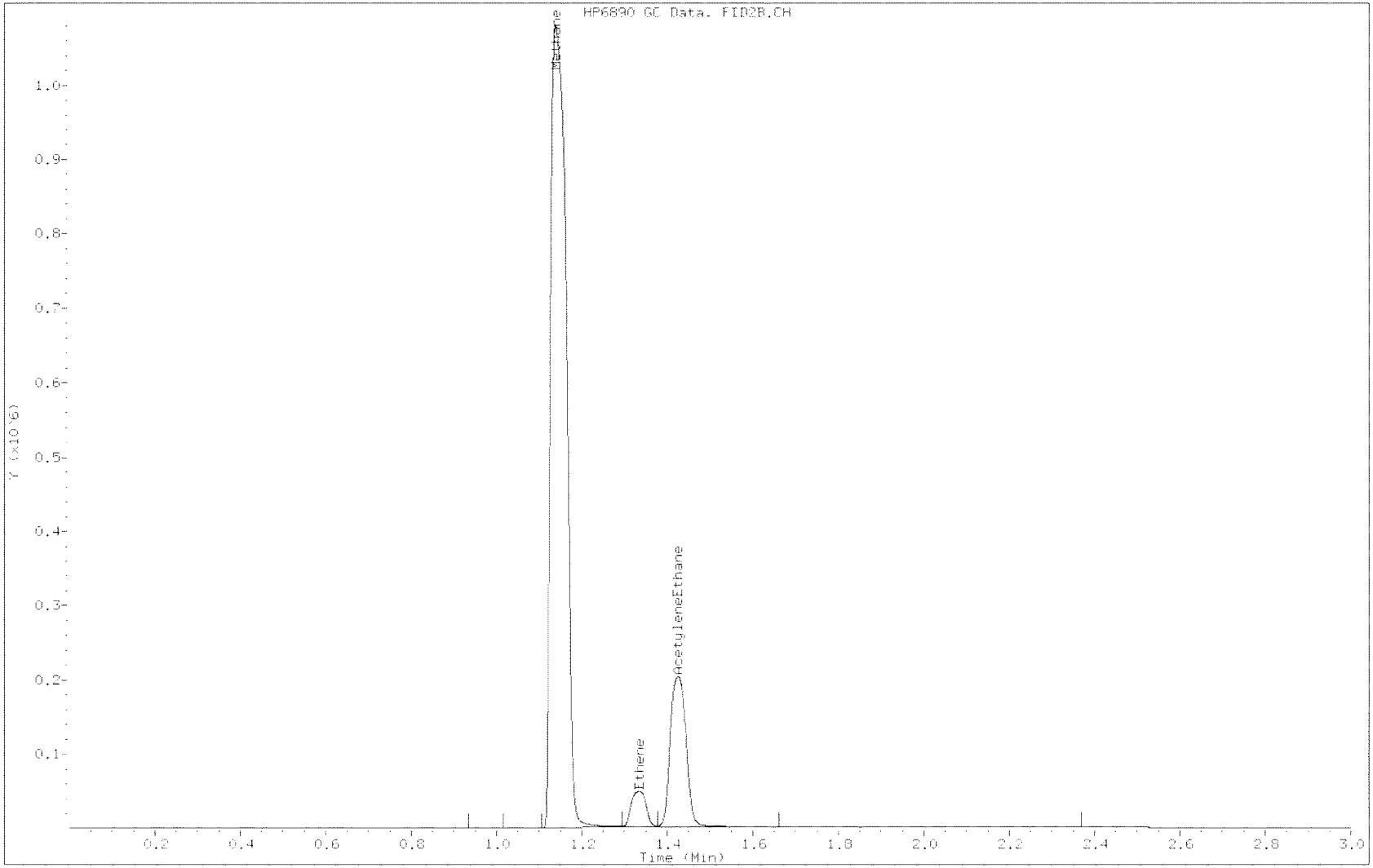
Date: 01-MAY-2012 16:54

Client ID:

Instrument: GC_J.i

Sample Info: 280-28131-BX-4 ms

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BX-4 MSD

Matrix: Water | Lab File ID: 038F3901.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 16:59

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	39200		90	3.9
74-85-1	Ethylene	2020		90	7.2
74-84-0	Ethane	7440		90	10

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\038F3901.D
Lab Smp Id: 280-28131-BX-4 msd
Inj Date : 01-MAY-2012 16:59
Operator : mps   Inst ID: GC_J.i
Smp Info : 280-28131-BX-4 msd
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 02-May-2012 12:13 smithm   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 38   QC Sample: MSD
Dil Factor: 18.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.124	1.126	-0.002	2568328	2178.05	39200(R)
2 Ethene	1.329	1.330	-0.001	100423	112.161	2019(RM)
3 Ethane	1.383	1.383	0.000	469072	413.497	7443(RM)
4 Acetylene	1.628	1.628	0.000	35619	101.210	1822(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 038F3901.D

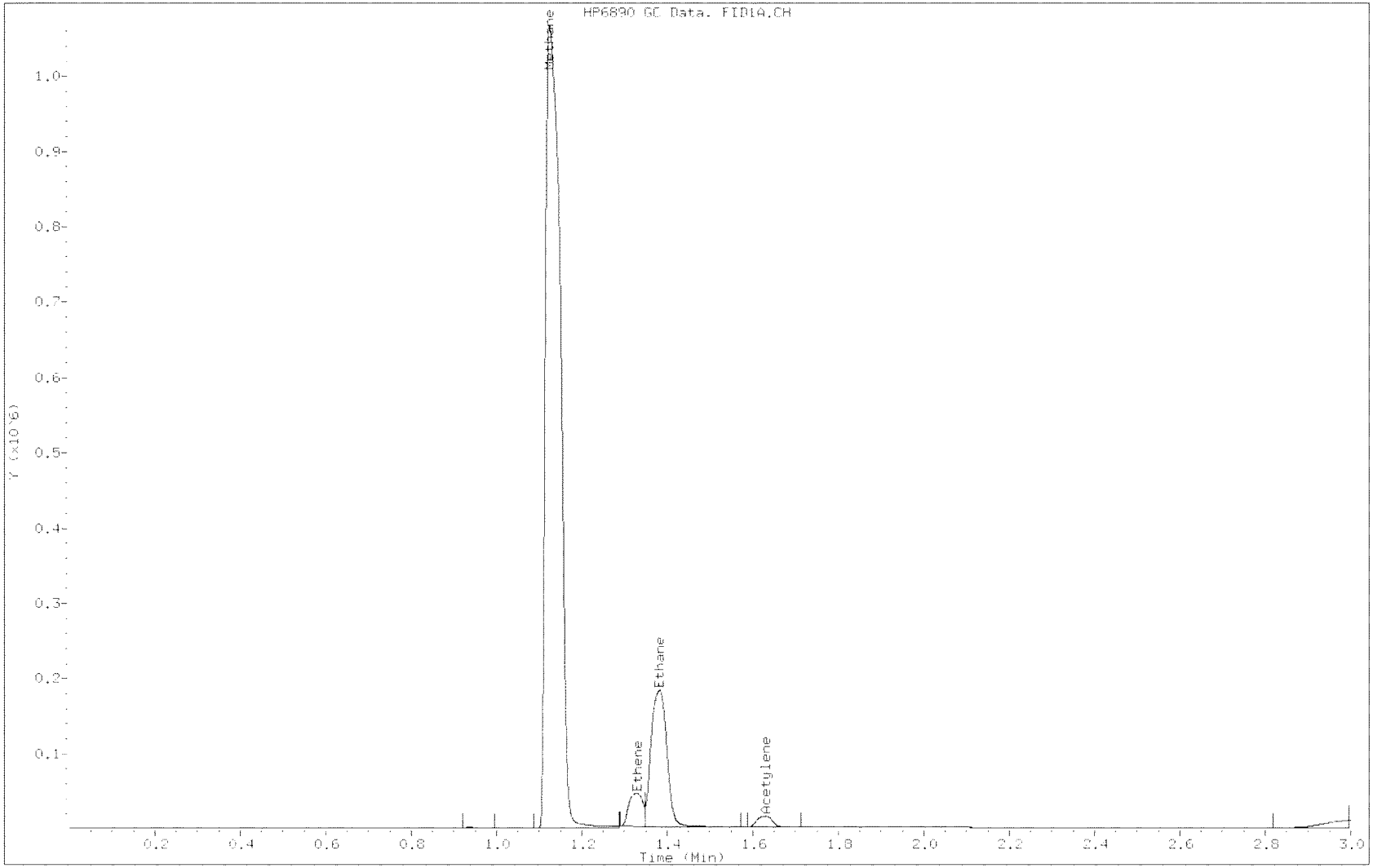
Date: 01-MAY-2012 16:59

Client ID:

Instrument: GC_J.i

Sample Info: 280-28131-BX-4 msd

Operator: mps



Manual Integration Report

Data File: 038F3901.D
Inj. Date and Time: 01-MAY-2012 16:59
Instrument ID: GC_J.i
Client ID:
Compound: 2 Ethene
CAS #: 64-17-5
Report Date: 05/02/2012

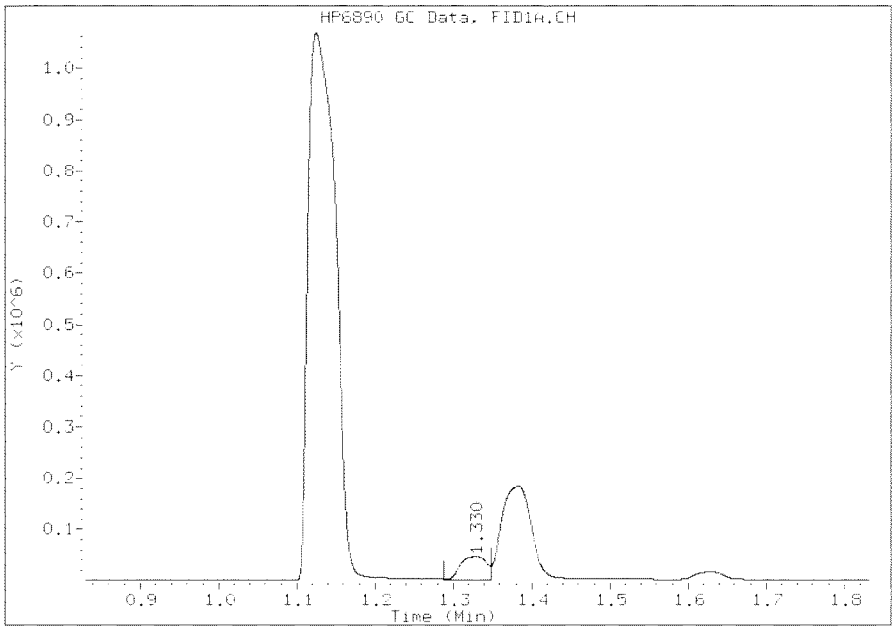
Processing Integration Results

RT: 1.33

Response: 105968

Amount: 118.35

Conc: 2130.37



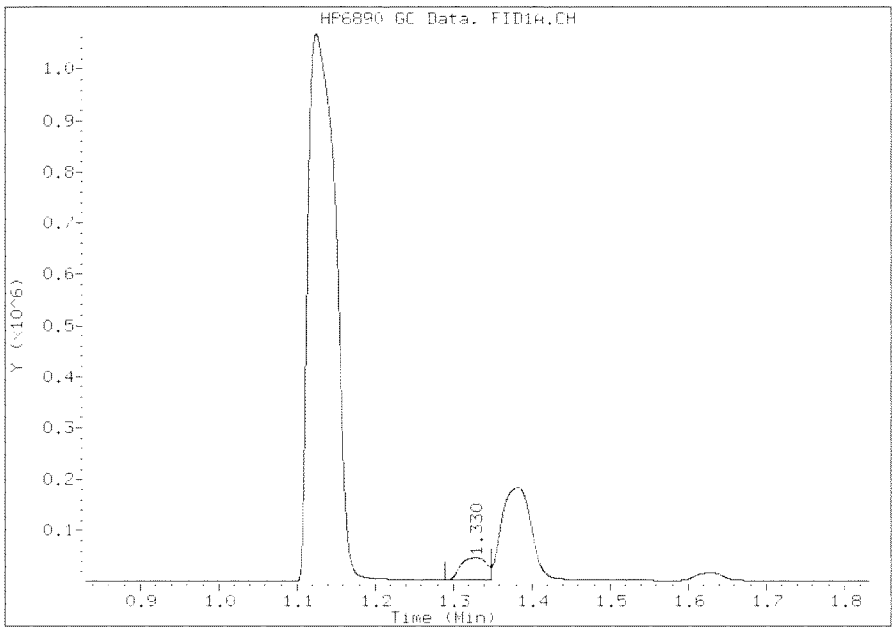
Manual Integration Results

RT: 1.33

Response: 100423

Amount: 112.16

Conc: 2018.90



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:17
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 038F3901.D
Inj. Date and Time: 01-MAY-2012 16:59
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

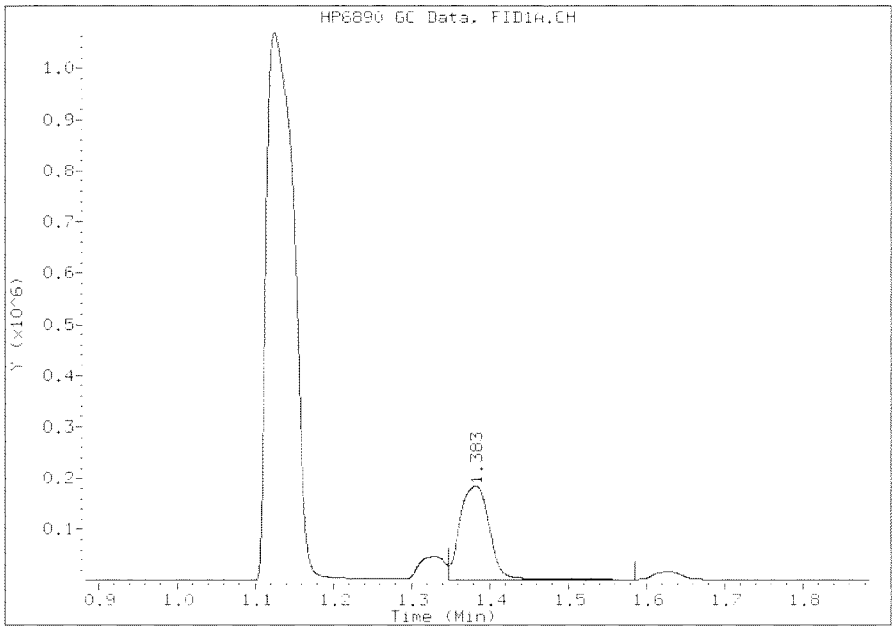
Processing Integration Results

RT: 1.38

Response: 487254

Amount: 429.52

Conc: 7731.44



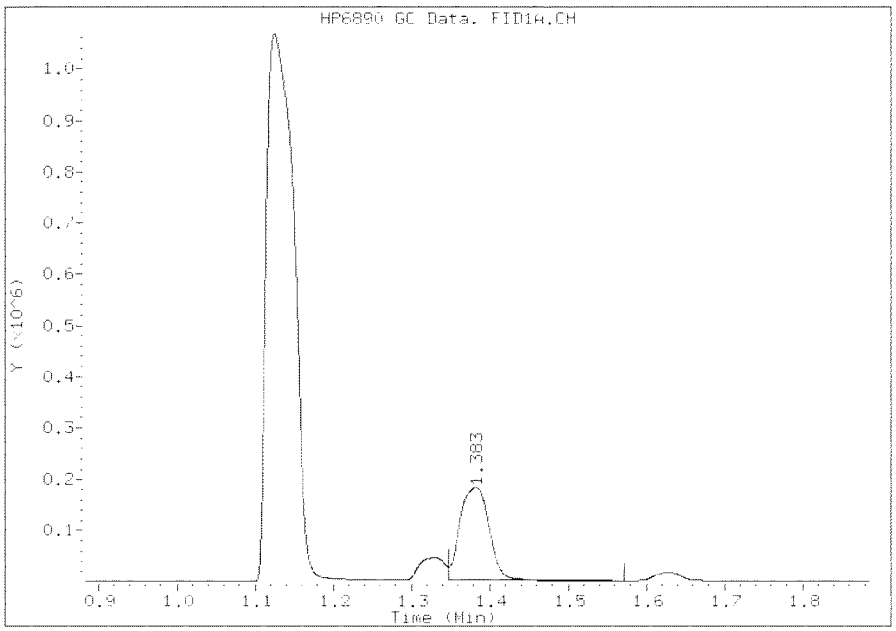
Manual Integration Results

RT: 1.38

Response: 469072

Amount: 413.50

Conc: 7442.94



Manually Integrated By: SmithM
Modification Date: 01-May-2012 18:17
Manual Integration Reason: Baseline Event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-BX-4 MSD

Matrix: Water | Lab File ID: 038F3901.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 16:59

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*38800*		*90*	*3.9*
74-85-1	*Ethylene*	*2170*		*90*	*7.2*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\038F3901.D
Lab Smp Id: 280-28131-BX-4 msd
Inj Date : 01-MAY-2012 16:59
Operator : mps   Inst ID: GC_J.i
Smp Info : 280-28131-BX-4 msd
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 02-May-2012 12:22 smithm   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 38   QC Sample: MSD
Dil Factor: 18.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.140	1.142	-0.002	2582261	2156.96	38820(R)
2 Ethene	1.337	1.337	0.000	110157	120.780	2174(R)
3 AcetyleneEthane	1.426	1.425	0.001	507824	652.326	11740(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 038F3901.D

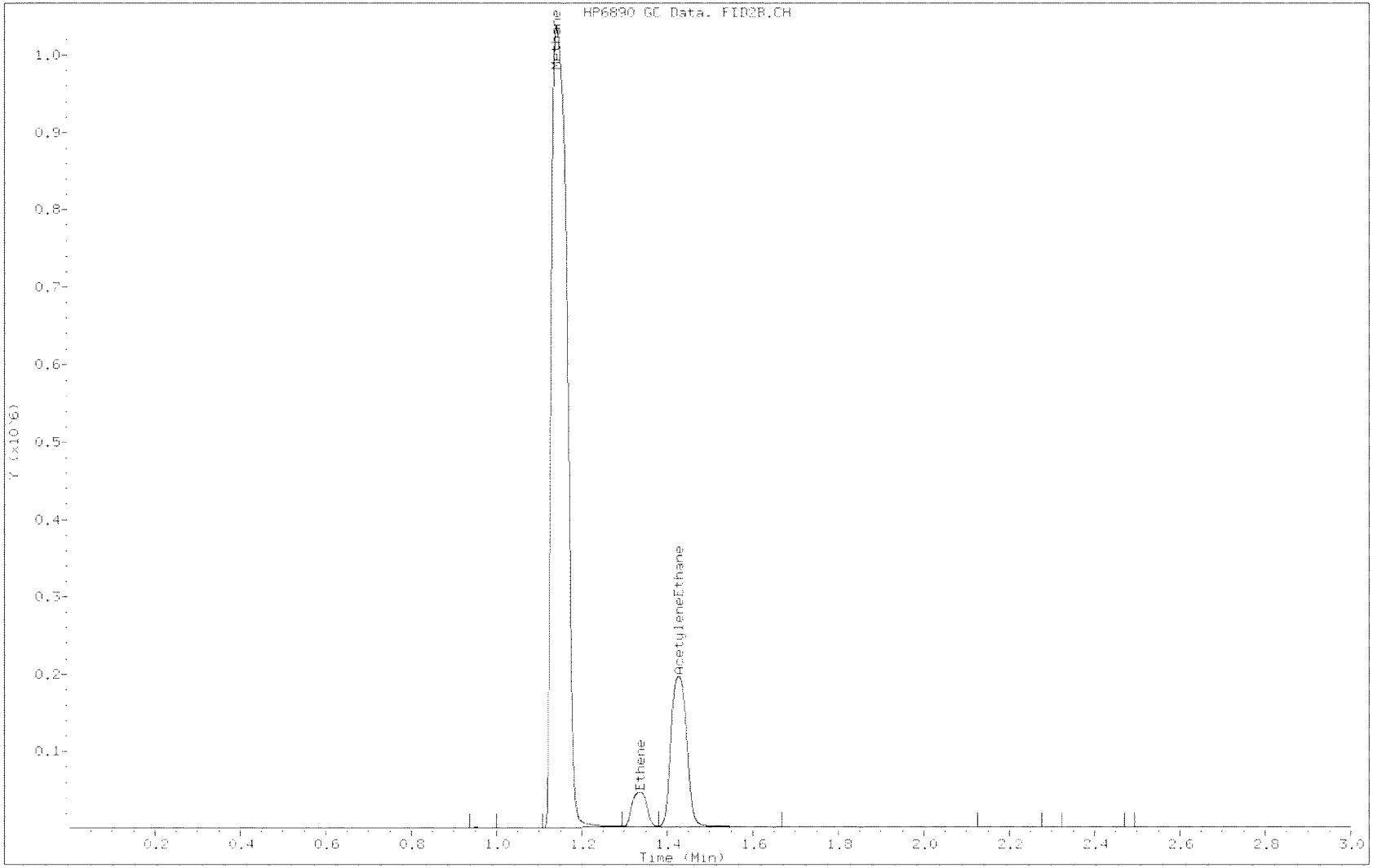
Date: 01-MAY-2012 16:59

Client ID:

Instrument: GC_J.i

Sample Info: 280-28131-BX-4 msd

Operator: mps



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-H-4 MS

Matrix: Water | Lab File ID: 04301212.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 10:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	1350		5.0	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	85		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301212.D
Lab Smp Id: 280-28131-H-4 MS PR
Inj Date : 30-APR-2012 10:43
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : 280-28131-H-4 MS PRES
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 09:29 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.025	1.030	-0.005	82245983	30310.3	30310(A)
2 Ethene	1.354	1.355	-0.001	177207	90.1786	90.18
3 Acetylene	1.402	1.403	-0.001	127872	87.8348	87.83
4 Ethane	1.513	1.518	-0.005	6447204	4096.61	4097(A)
5 1,1,1-Trifluoroethane	2.226	2.234	-0.008	1089061	6067.33	6067
6 Propene	3.103	3.104	-0.001	80648	129.315	129.3
7 Propane	3.329	3.336	-0.007	628474	1349.25	1349
8 2-Methyl Propane	5.896	5.900	-0.004	85061	472.636	472.6
9 Butane	6.574	6.576	-0.002	161943	482.746	482.7
10 Pentane	9.803	9.803	0.000	71096	256.277	256.3

QC Flag Legend

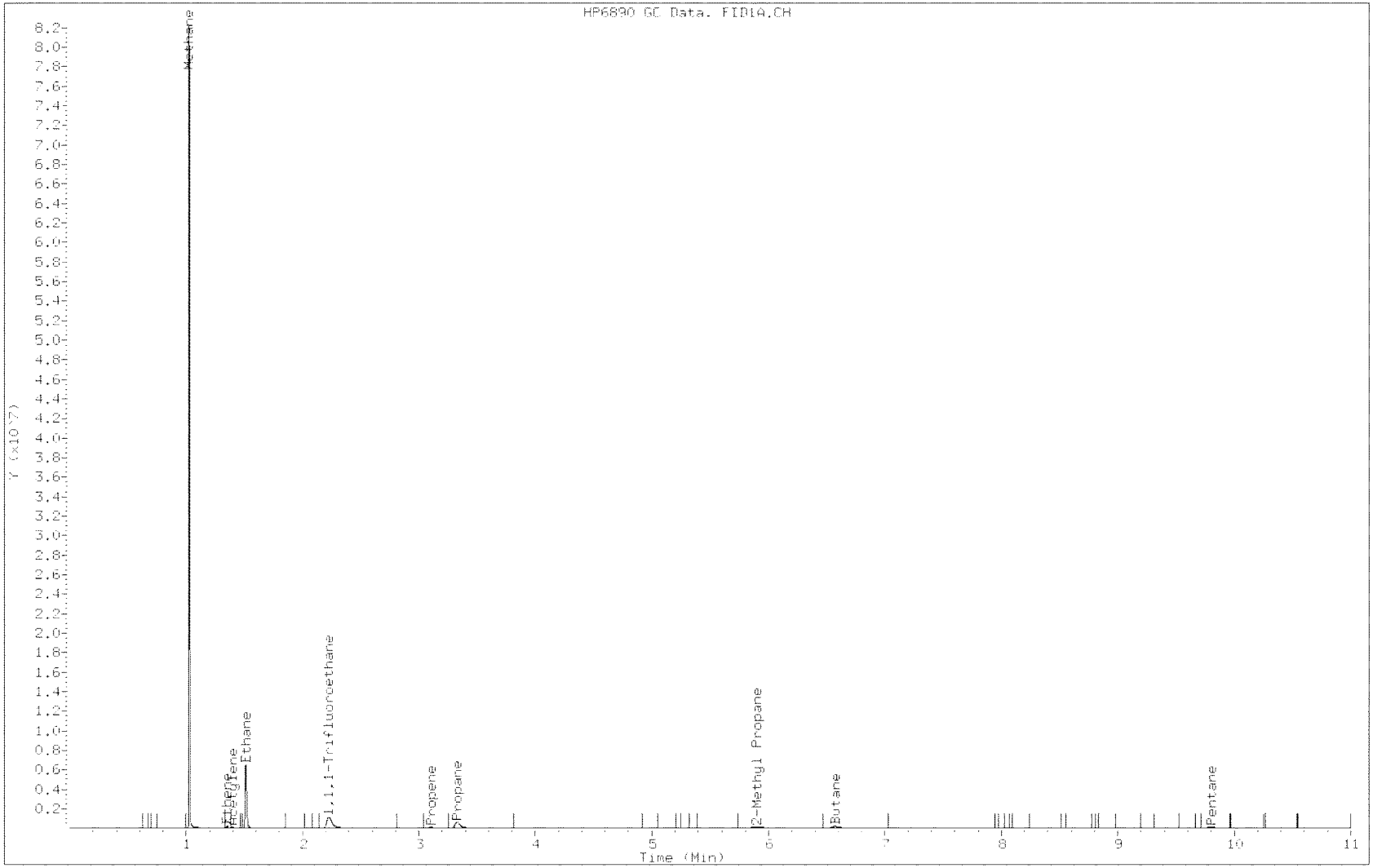
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 04301212.D

Date: 30-APR-2012 10:43

Client ID: Instrument: RSK.i

Sample Info: 280-28131-H-4 MS PRES Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-B-12 MS

Matrix: Water | Lab File ID: 04301231.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 15:17

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	1420		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	84		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301231.D
Lab Smp Id: 280-28131-F-4
Inj Date : 30-APR-2012 15:17
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : 280-28131-F-4,2 MS UNPRES
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 01-May-2012 06:07 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 31
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.028	1.030	-0.002	33611475	12386.9	24770(A)
2 Ethene	1.355	1.355	0.000	174433	88.7669	177.5
3 Acetylene	1.402	1.403	-0.001	125539	86.2322	172.5
4 Ethane	1.516	1.518	-0.002	3158880	2007.18	4014(A)
5 1,1,1-Trifluoroethane	2.227	2.234	-0.007	1075928	5994.16	11990
6 Propene	3.103	3.104	-0.001	78643	126.100	252.2
7 Propane	3.331	3.336	-0.005	331429	711.536	1423
8 2-Methyl Propane	5.899	5.900	-0.001	55393	307.788	615.6
9 Butane	6.575	6.576	-0.001	102094	304.338	608.7
10 Pentane	9.805	9.803	0.002	58040	209.215	418.4

QC Flag Legend

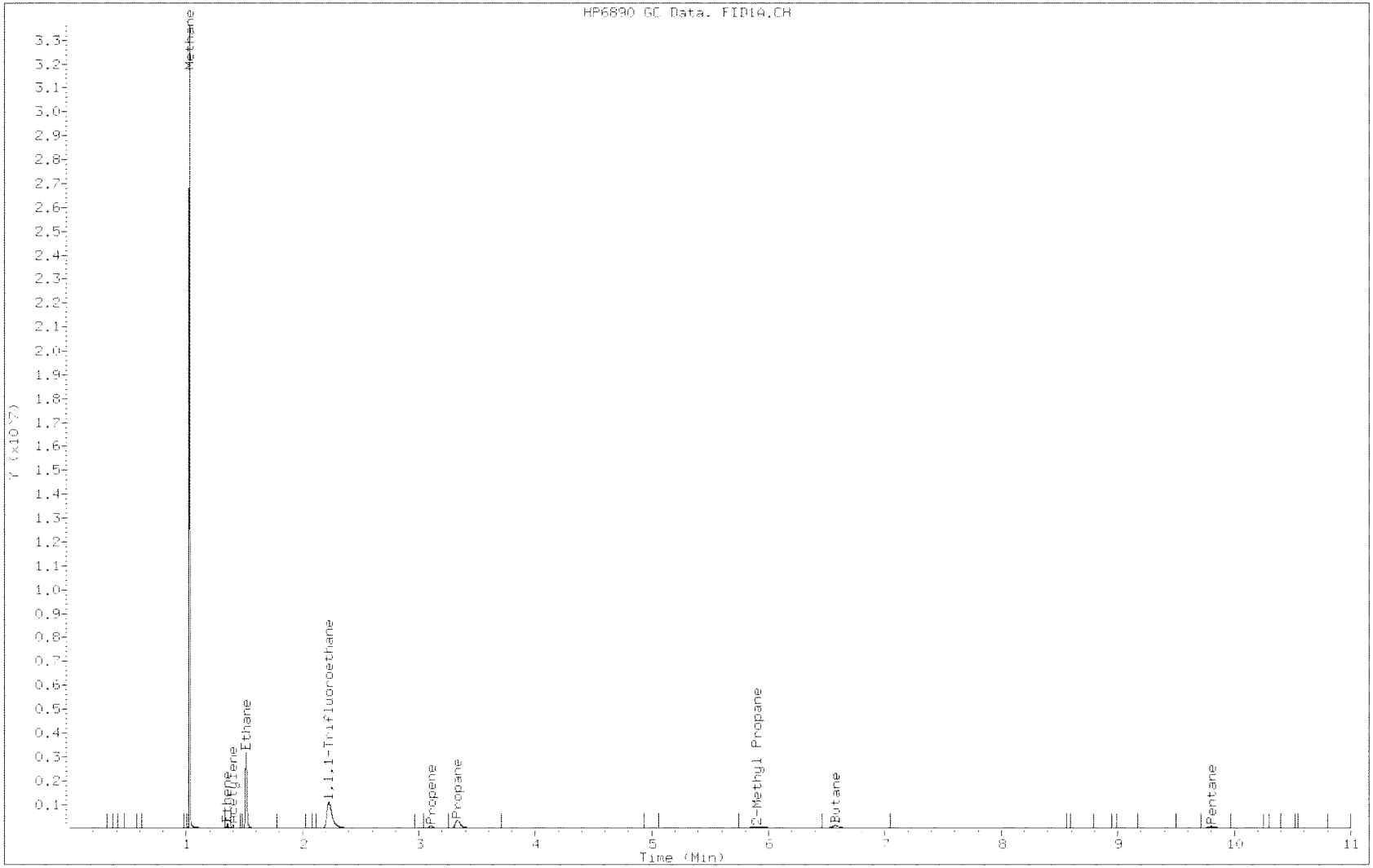
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 04301231.D

Date: 30-APR-2012 15:17

Client ID: Instrument: RSK.i

Sample Info: 280-28131-F-4,2 MS UNPRES Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-H-4 MSD

Matrix: Water | Lab File ID: 04301213.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 10:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	1400		5.0	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	88		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301213.D
Lab Smp Id: 280-28131-H-4 MSD P
Inj Date : 30-APR-2012 10:57
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : 280-28131-H-4 MSD PRES
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 30-Apr-2012 09:29 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.025	1.030	-0.005	84435496	31117.2	31120(A)
2 Ethene	1.354	1.355	-0.001	184451	93.8650	93.86
3 Acetylene	1.402	1.403	-0.001	132227	90.8262	90.83
4 Ethane	1.513	1.518	-0.005	6663397	4233.98	4234(A)
5 1,1,1-Trifluoroethane	2.226	2.234	-0.008	1116243	6218.76	6219
6 Propene	3.102	3.104	-0.002	84607	135.663	135.7
7 Propane	3.329	3.336	-0.007	653185	1402.30	1402
8 2-Methyl Propane	5.897	5.900	-0.003	88798	493.401	493.4
9 Butane	6.573	6.576	-0.003	168408	502.018	502.0
10 Pentane	9.803	9.803	0.000	76153	274.506	274.5

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 04301213.D

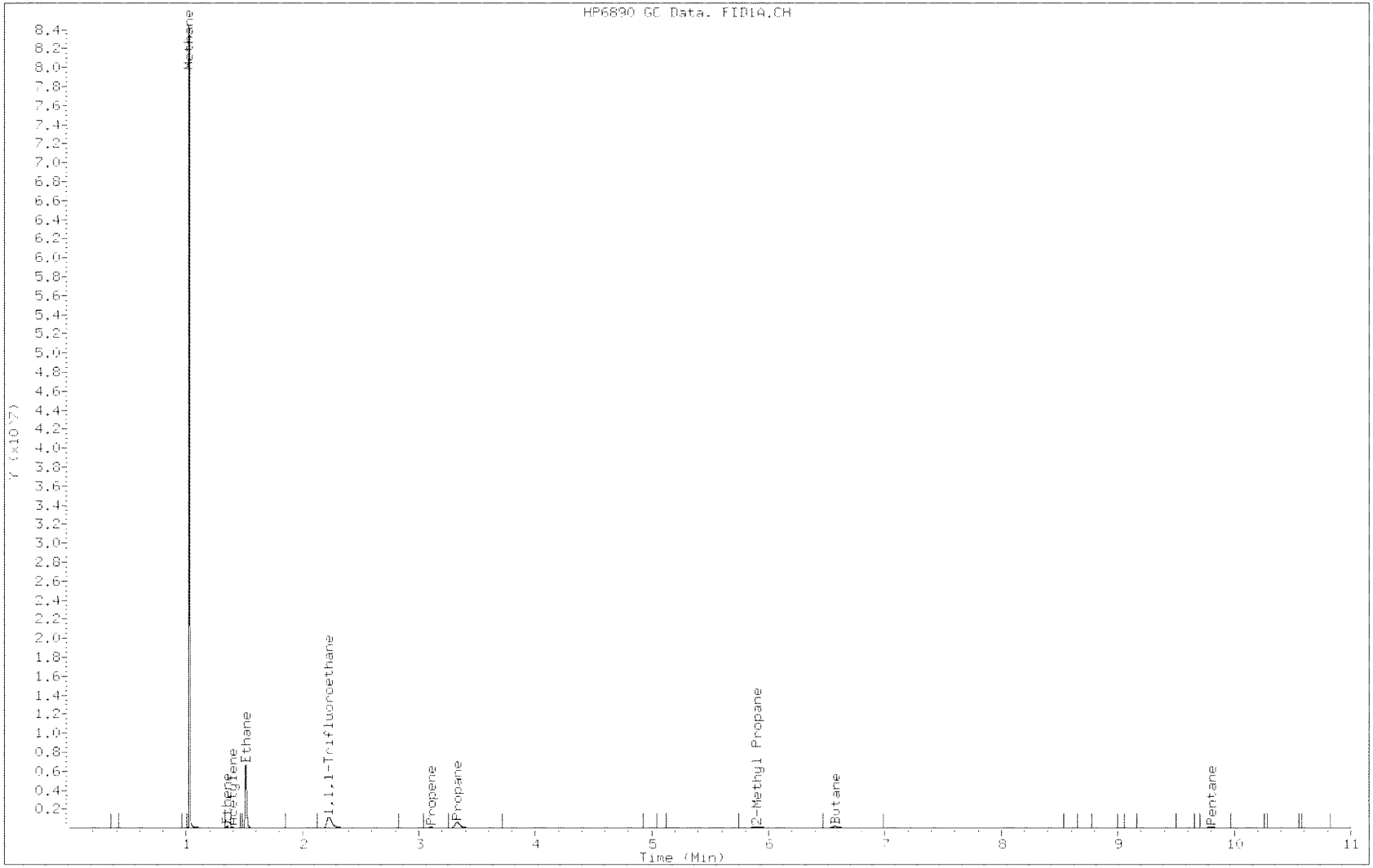
Date: 30-APR-2012 10:57

Client ID:

Instrument: RSK.i

Sample Info: 280-28131-H-4 MSD PRES

Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-B-12 MSD

Matrix: Water | Lab File ID: 04301232.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 12(mL) | Date Analyzed: 04/30/2012 15:32

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rt-Alumina BOND ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 34676 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-98-6	Propane	1680		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	94		40-150

TestAmerica Pittsburgh

Gas Anaysis

Data file : \\pitsvr06\d\chem\RSK.i\R043012A.B\04301232.D
Lab Smp Id: 280-28131-C-4
Inj Date : 30-APR-2012 15:32
Operator : RJG 22952 Inst ID: RSK.i
Smp Info : 280-28131-C-4,2 MSD UNPRES
Misc Info :
Comment :
Method : \\pitsvr06\d\chem\RSK.i\R043012A.B\RSKLL.m
Meth Date : 01-May-2012 06:07 goodr Quant Type: ESTD
Cal Date : 20-FEB-2012 10:12 Cal File: 02201211.D
Als bottle: 32
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TAIPIT0040

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	1.027	1.030	-0.003	38904150	14337.4	28670(A)
2 Ethene	1.354	1.355	-0.001	190679	97.0343	194.1
3 Acetylene	1.402	1.403	-0.001	138771	95.3212	190.6
4 Ethane	1.515	1.518	-0.003	3656873	2323.61	4647(A)
5 1,1,1-Trifluoroethane	2.225	2.234	-0.009	1201686	6694.78	13390
6 Propene	3.101	3.104	-0.003	87800	140.783	281.6
7 Propane	3.330	3.336	-0.006	391211	839.880	1680
8 2-Methyl Propane	5.900	5.900	0.000	65135	361.919	723.8
9 Butane	6.573	6.576	-0.003	120183	358.261	716.5
10 Pentane	9.801	9.803	-0.002	66170	238.521	477.0

QC Flag Legend

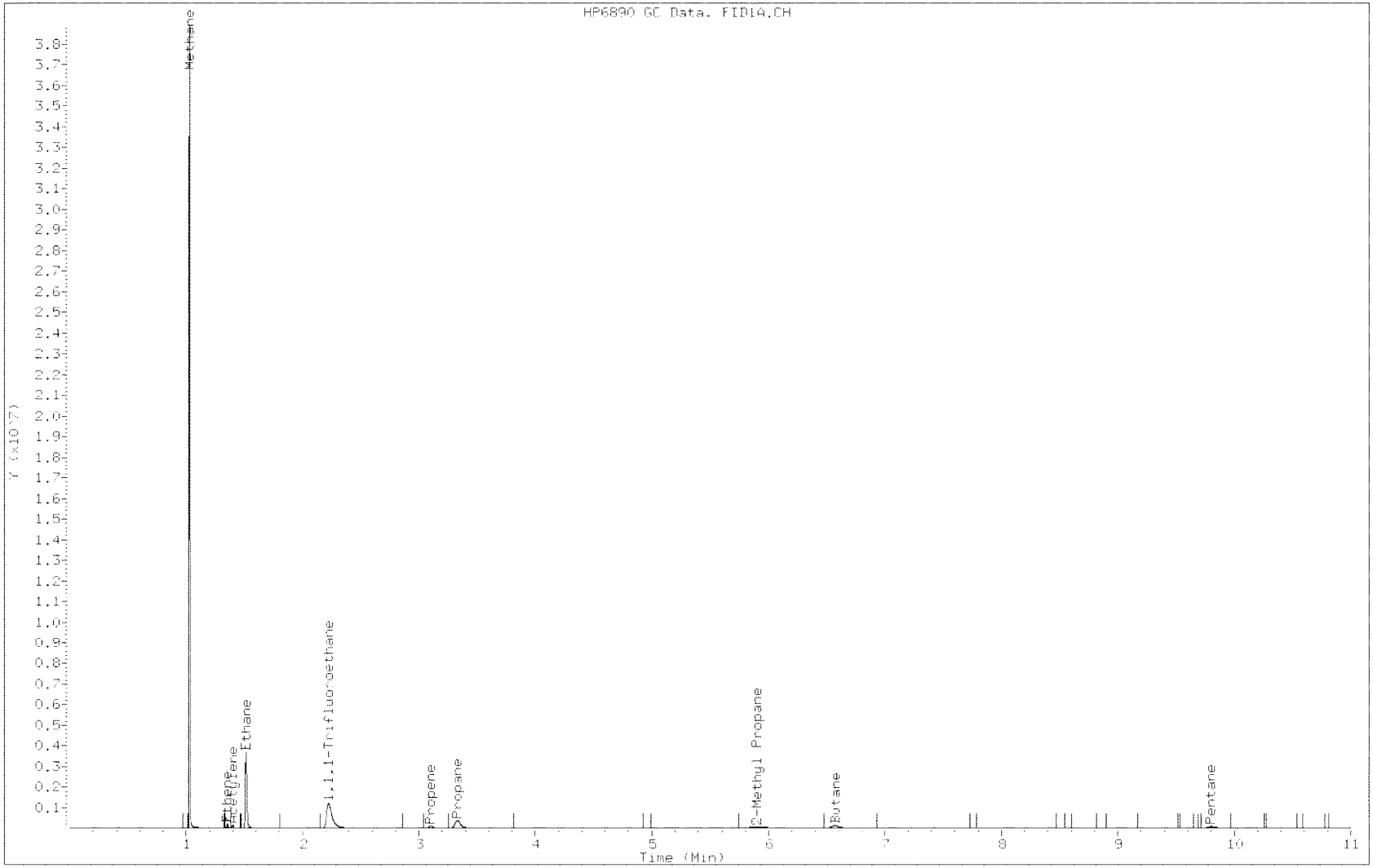
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 04301232.D

Date: 30-APR-2012 15:32

Client ID: Instrument: RSK.i

Sample Info: 280-28131-C-4,2 MSD UNPRES Operator: RJG 22952



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-W-3 DU

Matrix: Water | Lab File ID: 035F3601.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 16:46

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-VPLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	28200		90	3.9
74-85-1	Ethylene	ND		90	7.2
74-84-0	Ethane	3750		90	10

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\035F3601.D
Lab Smp Id: 280-28131-W-3 du
Inj Date : 01-MAY-2012 16:46
Operator : mps   Inst ID: GC_J.i
Smp Info : 280-28131-W-3 du
Misc Info : RSK PCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501121.B\RSK-1_8PT.m
Meth Date : 02-May-2012 12:13 smithm   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:10   Cal File: 001F0101.D
Als bottle: 35
Dil Factor: 18.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.125	1.126	-0.001	1846610	1565.90	28190
2 Ethene	Compound Not Detected.					
3 Ethane	1.382	1.383	-0.001	236264	208.272	3749(M)
4 Acetylene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: 035F3601.D

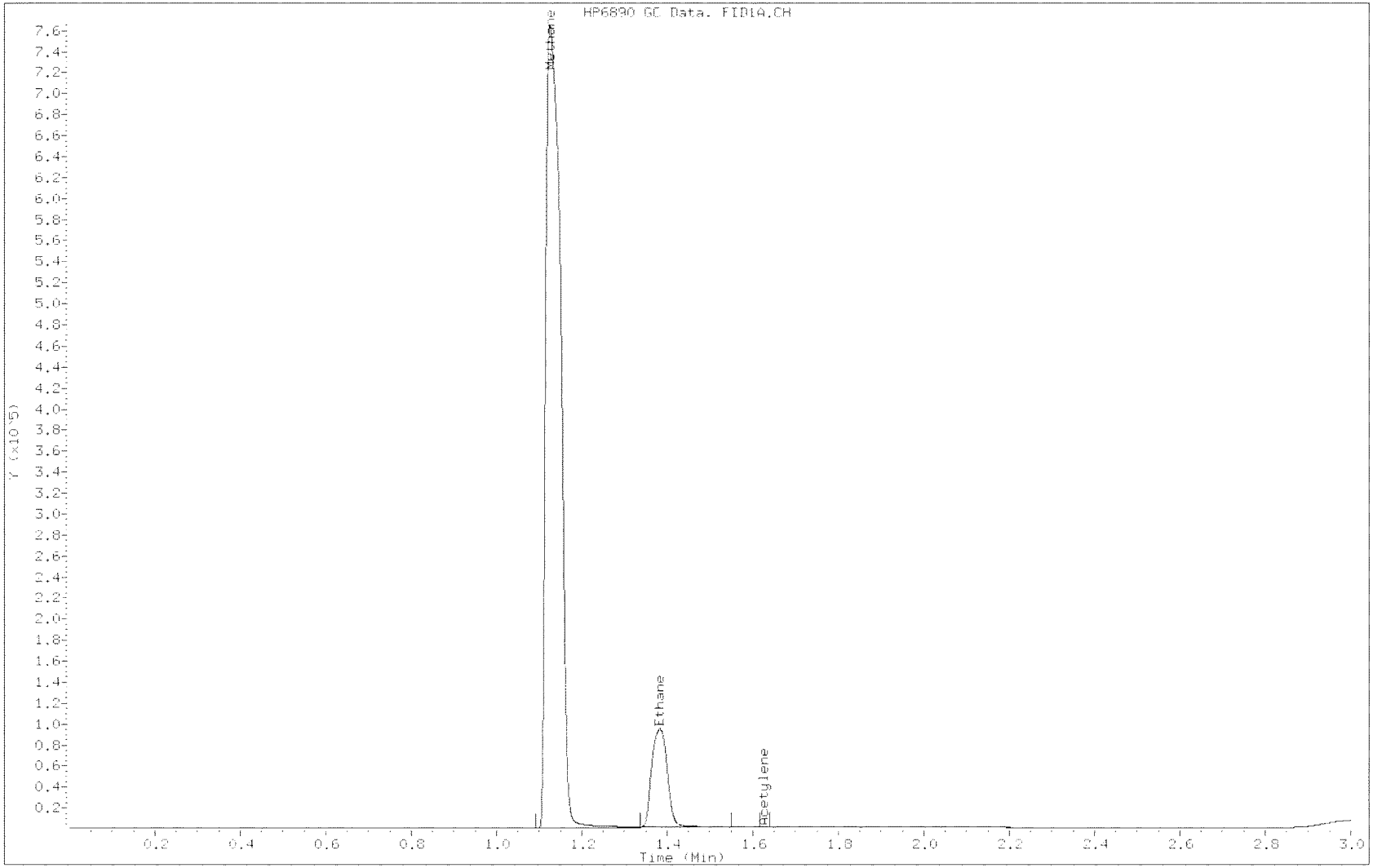
Date: 01-MAY-2012 16:46

Client ID:

Instrument: GC_J.i

Sample Info: 280-28131-W-3 du

Operator: mps



Manual Integration Report

Data File: 035F3601.D
Inj. Date and Time: 01-MAY-2012 16:46
Instrument ID: GC_J.i
Client ID:
Compound: 3 Ethane
CAS #: 71-36-3
Report Date: 05/02/2012

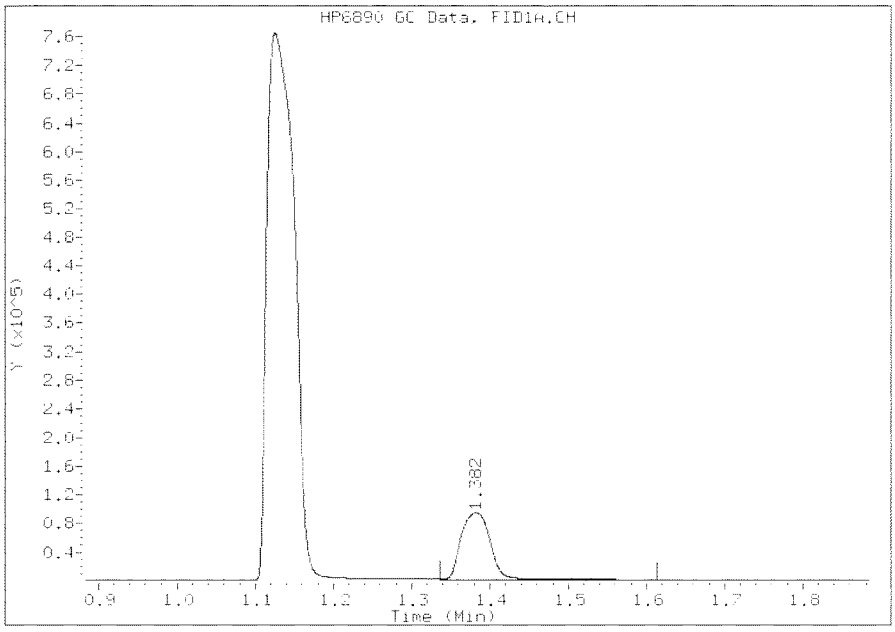
Processing Integration Results

RT: 1.38

Response: 251509

Amount: 221.71

Conc: 3990.79



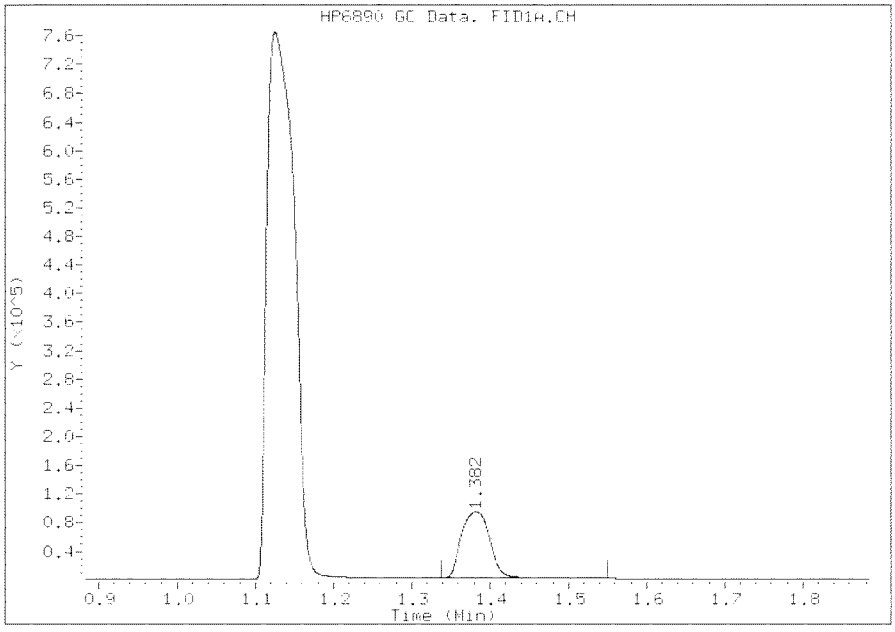
Manual Integration Results

RT: 1.38

Response: 236264

Amount: 208.27

Conc: 3748.89



Manually Integrated By: SmithM
Modification Date: 01-May-2012 17:42
Manual Integration Reason: Baseline Event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: 280-28131-W-3 DU

Matrix: Water | Lab File ID: 035F3601.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 18(mL) | Date Analyzed: 05/01/2012 16:46

Soil Aliquot Vol: | Dilution Factor: 18

Soil Extract Vol.: | GC Column: RT-3PLOT ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117933 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	*Methane*	*28000*		*90*	*3.9*
74-85-1	*Ethylene*	*ND*		*90*	*7.2*

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\035F3601.D
Lab Smp Id: 280-28131-W-3 du
Inj Date : 01-MAY-2012 16:46
Operator : mps   Inst ID: GC_J.i
Smp Info : 280-28131-W-3 du
Misc Info : RSK CCol 8pt
Comment   : SOP: DV-GC-0025
Method   : \\DenSvr03\Public\chem\GCV\GC_J.i\0501122.B\RSK-2_8PT.m
Meth Date : 02-May-2012 12:22 smithm   Quant Type: ESTD
Cal Date : 07-DEC-2011 07:41   Cal File: 008F0801.D
Als bottle: 35
Dil Factor: 18.00000
Integrator: Falcon   Compound Sublist: RSK175_8pt.sub
Target Version: 4.14
Processing Host: DENPC290

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable   Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.141	1.142	-0.001	1859893	1553.47	27960
2 Ethene	Compound Not Detected.					
3 AcetyleneEthane	1.431	1.425	0.006	244049	313.493	5643

Data File: 035F3601.D

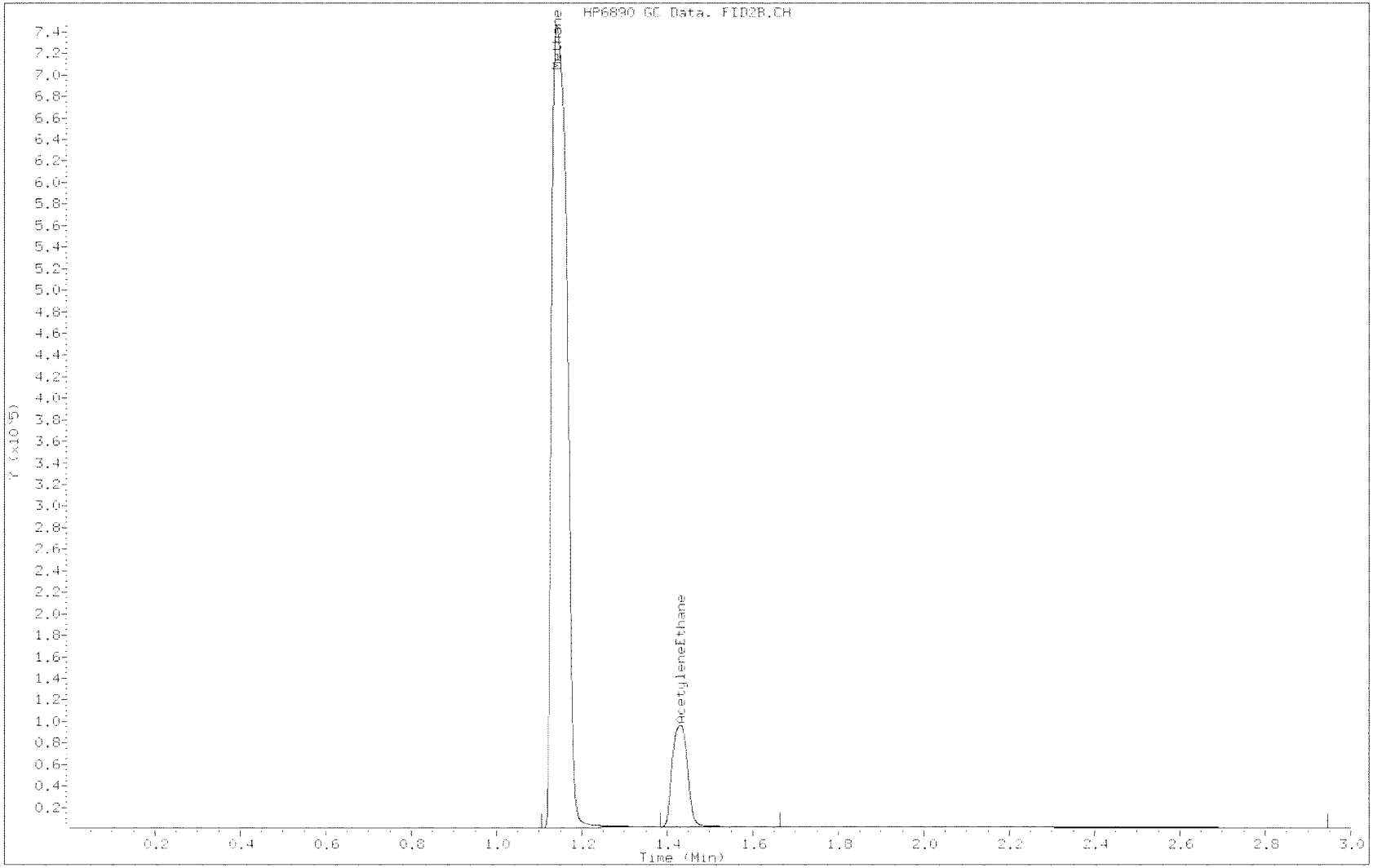
Date: 01-MAY-2012 16:46

Client ID:

Instrument: GC_J.i

Sample Info: 280-28131-W-3 du

Operator: mps



GC VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_J Start Date: 12/07/2011 07:10

Analysis Batch Number: 98971 End Date: 12/07/2011 07:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 280-98971/1		12/07/2011 07:10	1	001F0101.D	RT-VPLOT 0.32(mm)
IC 280-98971/1		12/07/2011 07:10	1	001F0101.D	RT-3PLOT 0.32(mm)
IC 280-98971/2		12/07/2011 07:15	1	002F0201.D	RT-VPLOT 0.32(mm)
IC 280-98971/2		12/07/2011 07:15	1	002F0201.D	RT-3PLOT 0.32(mm)
IC 280-98971/3		12/07/2011 07:19	1	003F0301.D	RT-VPLOT 0.32(mm)
IC 280-98971/3		12/07/2011 07:19	1	003F0301.D	RT-3PLOT 0.32(mm)
ICRT 280-98971/4		12/07/2011 07:23	1	004F0401.D	RT-VPLOT 0.32(mm)
ICRT 280-98971/4		12/07/2011 07:23	1	004F0401.D	RT-3PLOT 0.32(mm)
IC 280-98971/5		12/07/2011 07:28	1	005F0501.D	RT-VPLOT 0.32(mm)
IC 280-98971/5		12/07/2011 07:28	1	005F0501.D	RT-3PLOT 0.32(mm)
IC 280-98971/6		12/07/2011 07:32	1	006F0601.D	RT-VPLOT 0.32(mm)
IC 280-98971/6		12/07/2011 07:32	1	006F0601.D	RT-3PLOT 0.32(mm)
IC 280-98971/7		12/07/2011 07:37	1	007F0701.D	RT-VPLOT 0.32(mm)
IC 280-98971/7		12/07/2011 07:37	1	007F0701.D	RT-3PLOT 0.32(mm)
IC 280-98971/8		12/07/2011 07:41	1	008F0801.D	RT-VPLOT 0.32(mm)
IC 280-98971/8		12/07/2011 07:41	1	008F0801.D	RT-3PLOT 0.32(mm)
ICV 280-98971/9		12/07/2011 07:45	1	009F0901.D	RT-VPLOT 0.32(mm)
ICV 280-98971/9		12/07/2011 07:45	1	009F0901.D	RT-3PLOT 0.32(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_J Start Date: 05/01/2012 11:59

Analysis Batch Number: 117933 End Date: 05/01/2012 17:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 280-117933/1		05/01/2012 11:59	1	002F0201.D	RT-VPLOT 0.32(mm)
CCVRT 280-117933/1		05/01/2012 11:59	1	002F0201.D	RT-3PLOT 0.32(mm)
LCS 280-117933/2		05/01/2012 12:03	1	003F0301.D	RT-VPLOT 0.32(mm)
LCS 280-117933/2		05/01/2012 12:03	1	003F0301.D	RT-3PLOT 0.32(mm)
LCSD 280-117933/3		05/01/2012 12:07	1	004F0401.D	RT-VPLOT 0.32(mm)
LCSD 280-117933/3		05/01/2012 12:07	1	004F0401.D	RT-3PLOT 0.32(mm)
MB 280-117933/4		05/01/2012 12:12	1	005F0501.D	RT-VPLOT 0.32(mm)
MB 280-117933/4		05/01/2012 12:12	1	005F0501.D	RT-3PLOT 0.32(mm)
CCV 280-117933/5		05/01/2012 13:52	1	016F1601.D	RT-VPLOT 0.32(mm)
CCV 280-117933/5		05/01/2012 13:52	1	016F1601.D	RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 14:53	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 14:53	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 14:58	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 14:58	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 15:26	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 15:26	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 15:30	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 15:30	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 15:35	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 15:35	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 15:39	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 15:39	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 15:44	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 15:44	1		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 15:48	1		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 15:48	1		RT-3PLOT 0.32(mm)
280-28076-1	MW02	05/01/2012 15:52	18	025F2601.D	RT-VPLOT 0.32(mm)
280-28076-1	MW02	05/01/2012 15:52	18	025F2601.D	RT-3PLOT 0.32(mm)
CCV 280-117933/15		05/01/2012 16:06	1	028F2901.D	RT-VPLOT 0.32(mm)
CCV 280-117933/15		05/01/2012 16:06	1	028F2901.D	RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 16:24	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 16:24	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 16:28	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 16:28	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 16:37	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 16:37	18		RT-3PLOT 0.32(mm)
280-28131-W-3 DU		05/01/2012 16:46	18	035F3601.D	RT-VPLOT 0.32(mm)
280-28131-W-3 DU		05/01/2012 16:46	18	035F3601.D	RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 16:50	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 16:50	18		RT-3PLOT 0.32(mm)
280-28131-BX-4 MS		05/01/2012 16:54	18	037F3801.D	RT-VPLOT 0.32(mm)
280-28131-BX-4 MS		05/01/2012 16:54	18	037F3801.D	RT-3PLOT 0.32(mm)
280-28131-BX-4 MSD		05/01/2012 16:59	18	038F3901.D	RT-VPLOT 0.32(mm)
280-28131-BX-4 MSD		05/01/2012 16:59	18	038F3901.D	RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:03	18		RT-VPLOT 0.32(mm)

RSK-175

GC VOA ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCV_J Start Date: 05/01/2012 11:59

Analysis Batch Number: 117933 End Date: 05/01/2012 17:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/01/2012 17:03	18		RT-3PLOT 0.32(mm)
CCV 280-117933/24		05/01/2012 17:08	1	040F4101.D	RT-VPLOT 0.32(mm)
CCV 280-117933/24		05/01/2012 17:08	1	040F4101.D	RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:22	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 17:22	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:27	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 17:27	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:31	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 17:31	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:35	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 17:35	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:40	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 17:40	18		RT-3PLOT 0.32(mm)
ZZZZZ		05/01/2012 17:44	18		RT-VPLOT 0.32(mm)
ZZZZZ		05/01/2012 17:44	18		RT-3PLOT 0.32(mm)
CCV 280-117933/31		05/01/2012 17:48	1		RT-VPLOT 0.32(mm)
CCV 280-117933/31		05/01/2012 17:48	1		RT-3PLOT 0.32(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Instrument ID: RSK Start Date: 02/20/2012 08:17

Analysis Batch Number: 28893 End Date: 02/20/2012 10:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-28893/1		02/20/2012 08:17	1	02201203.D	Rt-Alumina BOND
IC 180-28893/2		02/20/2012 08:31	1	02201204.D	Rt-Alumina BOND
IC 180-28893/10		02/20/2012 08:46	1	02201205.D	Rt-Alumina BOND
IC 180-28893/3		02/20/2012 09:00	1	02201206.D	Rt-Alumina BOND
ICRT 180-28893/4		02/20/2012 09:15	1	02201207.D	Rt-Alumina BOND
IC 180-28893/5		02/20/2012 09:29	1	02201208.D	Rt-Alumina BOND
IC 180-28893/6		02/20/2012 09:43	1	02201209.D	Rt-Alumina BOND
IC 180-28893/7		02/20/2012 09:58	1	02201210.D	Rt-Alumina BOND
IC 180-28893/8		02/20/2012 10:12	1	02201211.D	Rt-Alumina BOND
ICV 180-28893/9		02/20/2012 10:27	1		Rt-Alumina BOND

GC VOA ANALYSIS RUN LOG

Lab Name: Test America Pittsburgh Job No.: 280-28076-1

SDG No.:

Instrument ID: RSK Start Date: 04/30/2012 08:33

Analysis Batch Number: 34676 End Date: 04/30/2012 15:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-34676/1		04/30/2012 08:33	1	04301203.D	Rt-Alumina BOND
MB 180-34676/2		04/30/2012 08:47	1	04301204.D	Rt-Alumina BOND
LCS 180-34676/3		04/30/2012 09:02	1	04301205.D	Rt-Alumina BOND
LCSD 180-34676/4		04/30/2012 09:16	1	04301206.D	Rt-Alumina BOND
280-28076-1	MW02	04/30/2012 09:31	1	04301207.D	Rt-Alumina BOND
ZZZZZ		04/30/2012 09:45	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 09:59	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 10:14	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 10:28	1		Rt-Alumina BOND
280-28131-H-4 MS		04/30/2012 10:43	1	04301212.D	Rt-Alumina BOND
280-28131-H-4 MSD		04/30/2012 10:57	1	04301213.D	Rt-Alumina BOND
ZZZZZ		04/30/2012 11:12	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 11:26	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 11:41	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 11:55	1		Rt-Alumina BOND
CCV 180-34676/16		04/30/2012 12:10	1	04301218.D	Rt-Alumina BOND
ZZZZZ		04/30/2012 12:24	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 12:38	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 12:53	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 13:07	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 13:22	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 13:36	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 13:51	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 14:05	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 14:20	1		Rt-Alumina BOND
ZZZZZ		04/30/2012 14:34	1		Rt-Alumina BOND
280-28076-1	MW02	04/30/2012 14:48	2	04301229.D	Rt-Alumina BOND
ZZZZZ		04/30/2012 15:03	2		Rt-Alumina BOND
280-28131-B-12 MS		04/30/2012 15:17	2	04301231.D	Rt-Alumina BOND
280-28131-B-12 MSD		04/30/2012 15:32	2	04301232.D	Rt-Alumina BOND
CCV 180-34676/31		04/30/2012 15:46	1	04301233.D	Rt-Alumina BOND

Method 8015B - DRO

Diesel Range Organics (DRO) (GC) by Method 8015B

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): HP-5 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	OTPH2 #
MW02	280-28076-1	70
	MB 280-117191/1-A	72
	LCS 280-117191/2-A	83
	LCSD 280-117191/3-A	80
	280-28131-C-4-A MS	87
	280-28131-E-4-A MSD	79

	QC LIMITS
OTPH = o-Terphenyl	50-115

Column to be used to flag recovery values

FORM II 8015B

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 079B3101.D

Lab ID: LCS 280-117191/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Diesel Range Organics [C10-C28]	2.00	2.14	107	54-115	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 080B3201.D

Lab ID: LCSD 280-117191/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Diesel Range Organics [C10-C28]	2.00	2.00	100	7	31	54-115	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 085B3701.D

Lab ID: 280-28131-C-4-A MS Client ID:

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Diesel Range Organics [C10-C28]	2.22	0.18 J	2.49	104	50-115	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 086B3801.D

Lab ID: 280-28131-E-4-A MSD Client ID:

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Diesel Range Organics [C10-C28]	2.06	2.16	96	14	31	50-115	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: MB 280-117191/1-A

Matrix: Water Date Extracted: 04/26/2012 17:00

Lab File ID: (1) Lab File ID: (2) 078B3001.D

Date Analyzed: (1) Date Analyzed: (2) 05/03/2012 02:47

Instrument ID: (1) Instrument ID: (2) GCS_U2

GC Column: (1) ID: GC Column: (2) HP-5 (30.25) 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 280-117191/2-A		05/03/2012 03:12
	LCSD 280-117191/3-A		05/03/2012 03:36
	280-28131-C-4-A MS		05/03/2012 05:37
	280-28131-E-4-A MSD		05/03/2012 06:01
MW02	280-28076-1		05/03/2012 07:39

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Sample No.: CCVRT 280-119005/2 Date Analyzed: 05/02/2012 16:16

Instrument ID: GCS_U2 GC Column: HP-5 (30.25) ID: 0.25(mm)

Lab File ID (Standard): 052B0401.D Heated Purge: (Y/N) N

Calibration ID: 9224

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.48		
UPPER LIMIT				8.53		
LOWER LIMIT				8.43		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-119005/2		05/02/2012 16:16	052B0401.D	8.48		
CCV 280-119005/3		05/03/2012 02:23	077B2901.D	8.48		
MB 280-117191/1-A		05/03/2012 02:47	078B3001.D	8.45		
LCS 280-117191/2-A		05/03/2012 03:12	079B3101.D	8.45		
LCSD 280-117191/3-A		05/03/2012 03:36	080B3201.D	8.45		
280-28131-C-4-A MS		05/03/2012 05:37	085B3701.D	8.45		
280-28131-E-4-A MSD		05/03/2012 06:01	086B3801.D	8.45		
280-28076-1	MW02	05/03/2012 07:39	090B4201.D	8.45		
CCV 280-119005/18		05/03/2012 08:28	092B4401.D	8.48		

OTPH = o-Terphenyl

OTPH RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:	MW02	Lab Sample ID:	280-28076-1
Matrix:	Water	Lab File ID:	090B4201.D
Analysis Method:	8015B	Date Collected:	04/22/2012 15:45
Extraction Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	990(mL)	Date Analyzed:	05/03/2012 07:39
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	GC Column:	HP-5 (30.25) ID: 0.25(mm)
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119005	Units:	mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	0.67		0.25	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	70		50-115

Data File: 090B4201.D
Report Date: 09-May-2012 09:52

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\090B4201.D
Lab Smp Id: 280-28076-E-1-A Client Smp ID: MW02
Inj Date : 03-MAY-2012 07:39
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1384364,76-1
Misc Info : 280-28076-E-1-A
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 90
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Concentration Formula: Amt * DF * Vf / Vs * * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	990.000	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/L)
$	1 o-Terphenyl	8.449	8.480	-0.031	38554	14.0181	14.16(M)
S	9 C10-C36	3.500-13.467			1087259	675.261	682.1(M)
S	8 C10-C28	3.500-11.467			1073468	667.183	673.9(M)
$	11 n-Octacosane	11.455	11.458	-0.003	36638	19.4739	19.67

QC Flag Legend

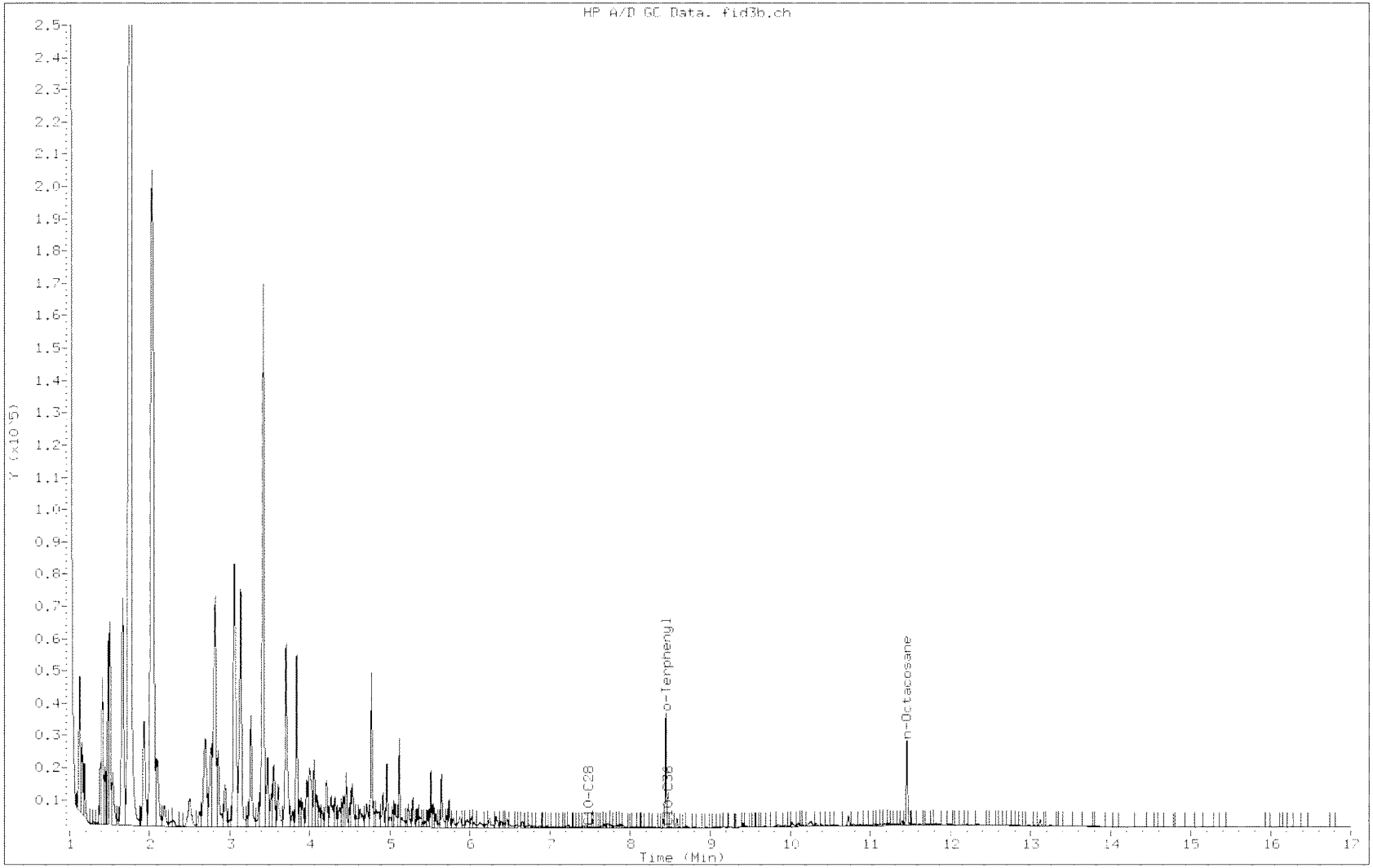
M - Compound response manually integrated.

Data File: 090B4201.D

Date: 03-MAY-2012 07:39

Client ID: MW02 Instrument: GC_U2.i

Sample Info: 280-1384364,76-1 Operator: MB



Manual Integration Report

Data File: 090B4201.D
Inj. Date and Time: 03-MAY-2012 07:39
Instrument ID: GC_U2.i
Client ID: MW02
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

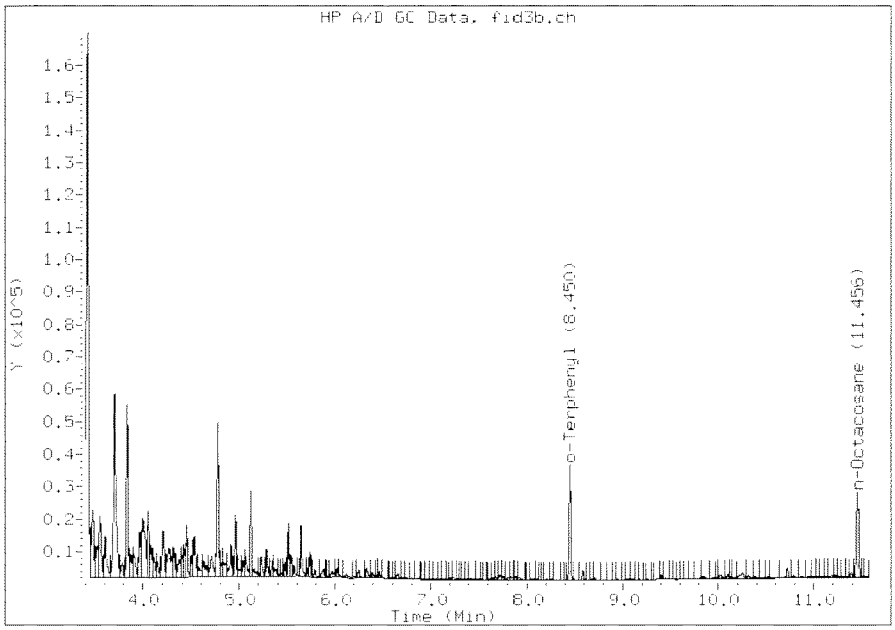
Processing Integration Results

RT: 7.48

Response: 909457

Amount: 565.25

Conc: 570.96



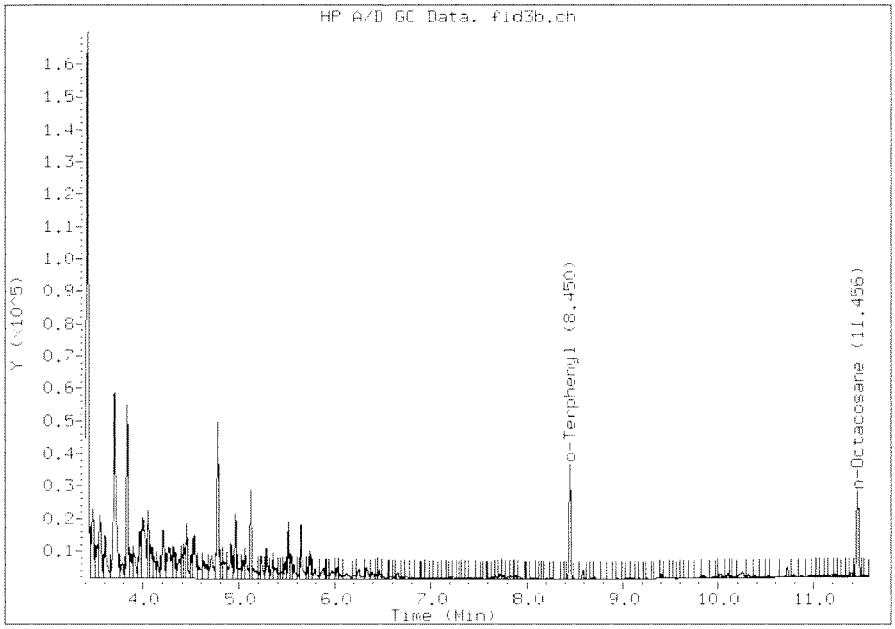
Manual Integration Results

RT: 7.48

Response: 1073468

Amount: 667.18

Conc: 673.92



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:52
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 090B4201.D
Inj. Date and Time: 03-MAY-2012 07:39
Instrument ID: GC_U2.i
Client ID: MW02
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

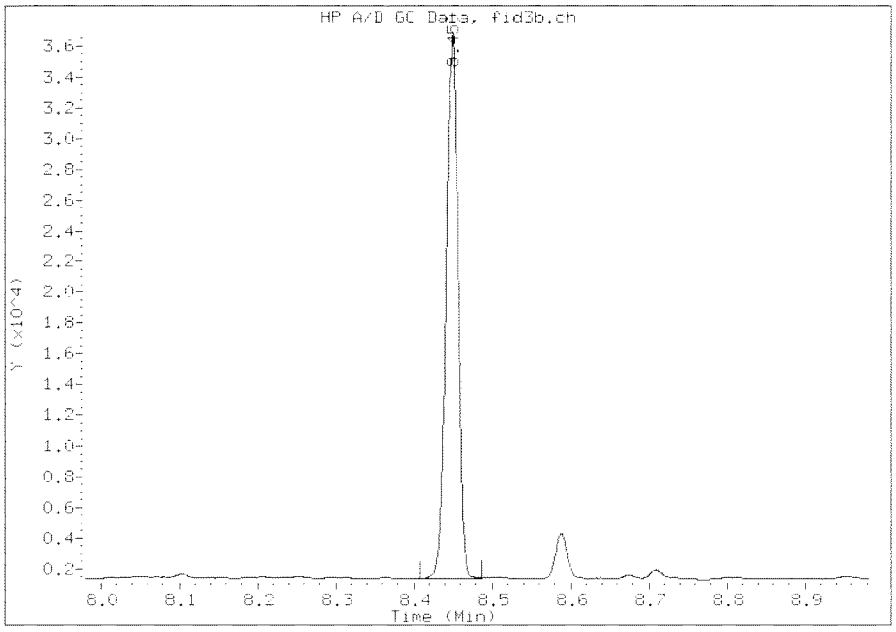
Processing Integration Results

RT: 8.45

Response: 38146

Amount: 13.87

Conc: 14.01



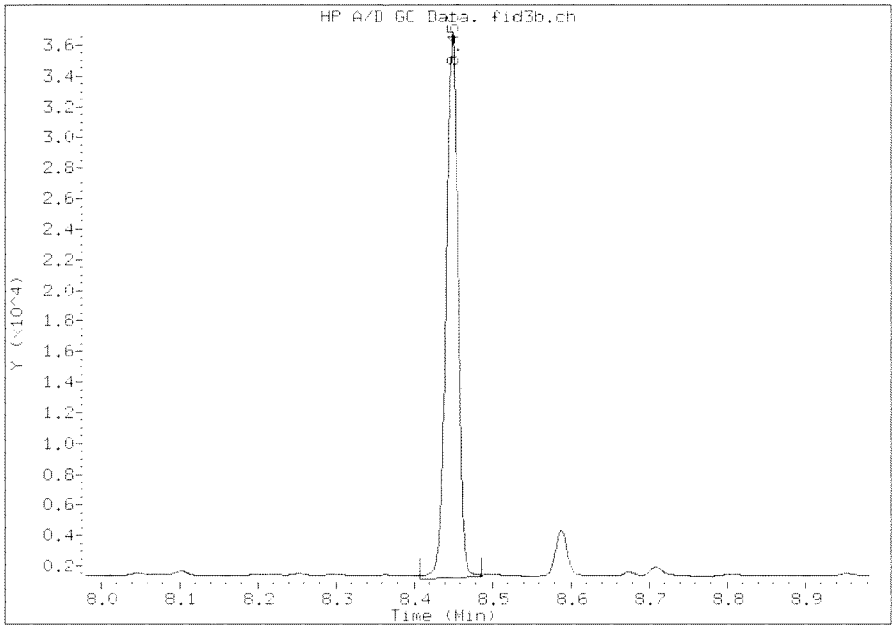
Manual Integration Results

RT: 8.45

Response: 38554

Amount: 14.02

Conc: 14.16



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:52
Manual Integration Reason: Baseline Event

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1 | Analy Batch No.: 117559

SDG No.:

Instrument ID: GCS_U2 | GC Column: HP-5 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 15:34 | Calibration End Date: 04/26/2012 18:01 | Calibration ID: 9224

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117559/8	010B1001.D
Level 2	IC 280-117559/7	009B0901.D
Level 3	IC 280-117559/6	008B0801.D
Level 4	ICRT 280-117559/5	007B0701.D
Level 5	IC 280-117559/4	006B0601.D
Level 6	IC 280-117559/3	005B0501.D
Level 7	IC 280-117559/2	004B0401.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
C10-C22	6.572	6.572	6.572	6.572	6.572	6.572	6.572				3.545 - 9.598	6.572
C10-C24	6.909	6.909	6.909	6.909	6.909	6.909	6.909				3.545 - 10.272	6.909
C10-C25	7.062	7.062	7.062	7.062	7.062	7.062	7.062				3.545 - 10.578	7.062
C8-C34	7.076	7.076	7.076	7.076	7.076	7.076	7.076				1.142 - 13.009	7.076
Diesel Range Organics [C10-C28]	7.506	7.506	7.506	7.506	7.506	7.506	7.506				3.545 - 11.467	7.506
C10-C32	8.036	8.036	8.036	8.036	8.036	8.036	8.036				3.545 - 12.526	8.036
C10-C36	8.506	8.506	8.506	8.506	8.506	8.506	8.506				3.545 - 13.467	8.506
o-Terphenyl	8.477	8.477	8.478	8.484	8.487	8.495	+++++				8.424 - 8.544	7.271
n-Octacosane	11.457	11.458	11.456	11.460	11.463	11.467	+++++				11.393 - 11.533	9.823

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117559

SDG No.:

Instrument ID: GCS_U2 | GC Column: HP-5 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 15:34 | Calibration End Date: 04/26/2012 18:01 | Calibration ID: 9224

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117559/8	010B1001.D
Level 2	IC 280-117559/7	009B0901.D
Level 3	IC 280-117559/6	008B0801.D
Level 4	ICRT 280-117559/5	007B0701.D
Level 5	IC 280-117559/4	006B0601.D
Level 6	IC 280-117559/3	005B0501.D
Level 7	IC 280-117559/2	004B0401.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		B	M1	M2							
C10-C22	1578.6 1566.9	1546.4 1607.7	1602.6 1536.4	1593.9	Ave		1576.05744				1.7		20.0		
C10-C24	1594.5 1590.8	1572.2 1633.3	1628.8 1571.8	1622.7	Ave		1602.02973				1.6		20.0		
C10-C25	1598.0 1594.7	1576.0 1637.3	1632.5 1575.9	1626.8	Ave		1605.89882				1.6		20.0		
C8-C34	1681.8 1694.7	1670.7 1741.2	1734.0 1702.0	1727.9	Ave		1707.46389				1.6		20.0		
Diesel Range Organics [C10-C28]	1599.8 1598.1	1578.3 1640.7	1635.7 1579.6	1630.4	Ave		1608.95591				1.6		20.0		
C10-C32	1601.9 1598.6	1579.5 1641.0	1636.0 1579.9	1630.8	Ave		1609.66480				1.6		20.0		
C10-C36	1603.6 1598.6	1580.7 1641.0	1636.3 1579.9	1630.8	Ave		1610.13235				1.6		20.0		
o-Terphenyl	3096.0 2536.6	2927.2 2335.3	2983.0 +++++	2623.8	Ave		2750.31111				10.8		20.0		
n-Octacosane	1958.0 1839.6	1880.0 1883.1	1890.0 +++++	1837.7	Ave		1881.39333				2.3		20.0		

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

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: Test America Denver | Job No.: 280-28076-1 | Analy Batch No.: 117559

SDG No.:

Instrument ID: GCS_U2 | GC Column: HP-5 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 15:34 | Calibration End Date: 04/26/2012 18:01 | Calibration ID: 9224

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-117559/8	010B1001.D
Level 2	IC 280-117559/7	009B0901.D
Level 3	IC 280-117559/6	008B0801.D
Level 4	ICRT 280-117559/5	007B0701.D
Level 5	IC 280-117559/4	006B0601.D
Level 6	IC 280-117559/3	005B0501.D
Level 7	IC 280-117559/2	004B0401.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		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
C10-C22	Ave	157859 24115397	386593 46092608	1602557	7969267	11751872	100 15000	250 30000	1000	5000	7500
C10-C24	Ave	159451 24500065	393056 47154718	1628777	8113715	11930944	100 15000	250 30000	1000	5000	7500
C10-C25	Ave	159802 24560223	393990 47278462	1632477	8134131	11960337	100 15000	250 30000	1000	5000	7500
C8-C34	Ave	168177 26117386	417669 51060017	1734035	8639339	12710541	100 15000	250 30000	1000	5000	7500
Diesel Range Organics [C10-C28]	Ave	159983 24610778	394572 47388963	1635694	8152017	11985940	100 15000	250 30000	1000	5000	7500
C10-C32	Ave	160189 24614855	394873 47397831	1636045	8153776	11989150	100 15000	250 30000	1000	5000	7500
C10-C36	Ave	160358 24615568	395171 47398462	1636265	8154097	11989436	100 15000	250 30000	1000	5000	7500
o-Terphenyl	Ave	1548 175144	3659 +++++	14915	65595	95123	0.500 75.0	1.25 +++++	5.00	25.0	37.5
n-Octacosane	Ave	979 141230	2350 +++++	9450	45943	68984	0.500 75.0	1.25 +++++	5.00	25.0	37.5

Curve Type Legend:

Ave = Average

Data File: 004B0401.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\004B0401.D
Lab Smp Id: IC-1378319
Inj Date : 26-APR-2012 15:34
Operator : MB Inst ID: GC_U2.i
Smp Info : IC-1378319,L7D
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142	-13.009		51060017	30000.0	29900(M)
S 3 C10-C22	3.545	-9.598		46092608	30000.0	29240(M)
S 2 C10-C24	3.545	-10.272		47154718	30000.0	29430(M)
S 5 C10-25	3.545	-10.578		47278462	30000.0	29440(M)
S 8 C10-C28	3.545	-11.467		47388963	30000.0	29450(M)
S 196 C12-C24	5.117	-10.272		39944677	30000.0	29500(M)
S 194 C10-C32	3.545	-12.526		47397831	30000.0	29440(M)
S 9 C10-C36	3.545	-13.467		47398462	30000.0	29440(M)
$ 1 o-Terphenyl	Compound Not Detected.					
S 195 C10-C38	3.545	-13.913		47402967	30000.0	29380(M)
$ 11 n-Octacosane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: 004B0401.D

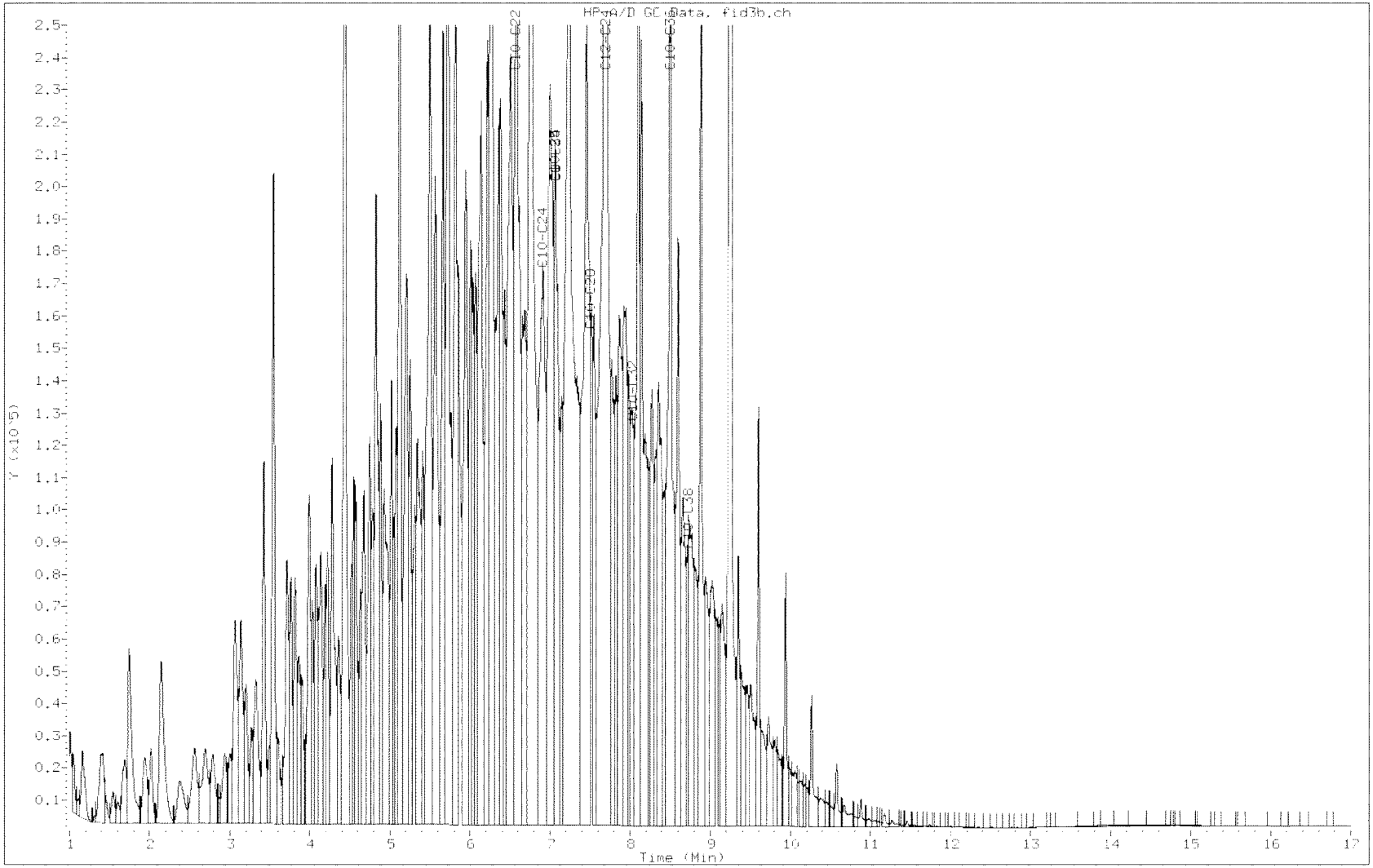
Date: 26-APR-2012 15:34

Client ID:

Instrument: GC_U2.i

Sample Info: IC-1378319,L7D

Operator: MB



Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

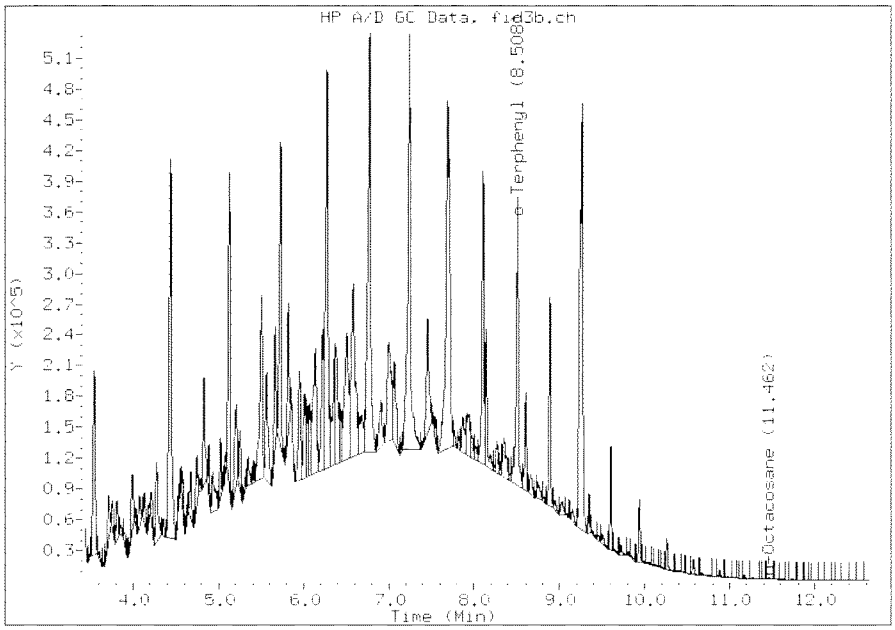
Processing Integration Results

RT: 8.04

Response: 15317965

Amount: 14685.38

Conc: 14685.38



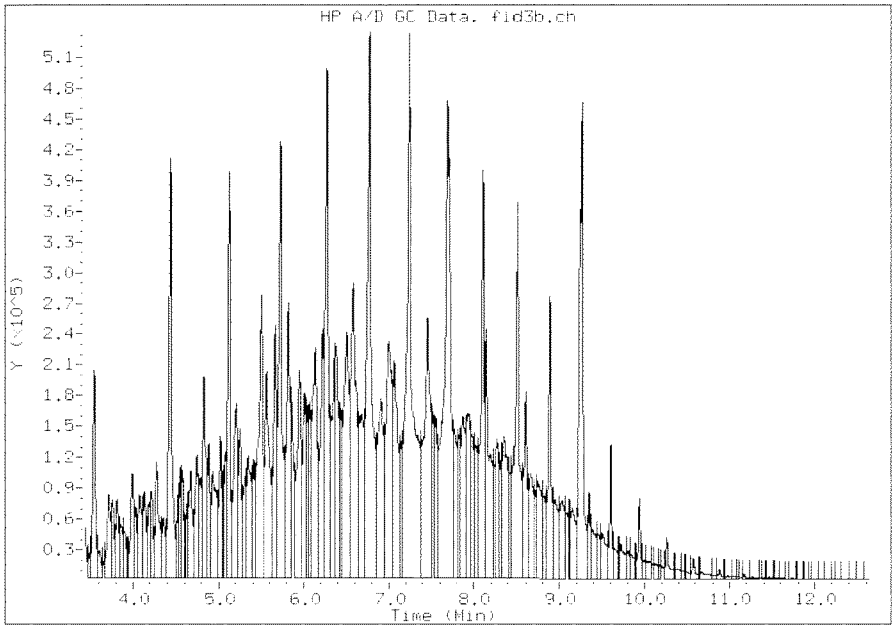
Manual Integration Results

RT: 8.04

Response: 47397831

Amount: 29445.78

Conc: 29445.78



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:42
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

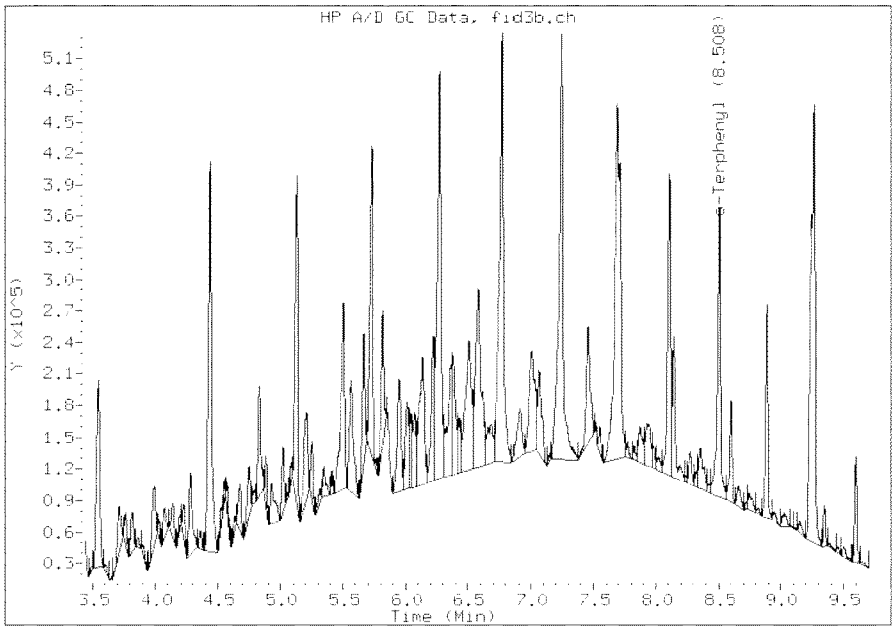
Processing Integration Results

RT: 6.57

Response: 14977547

Amount: 14761.16

Conc: 14761.16



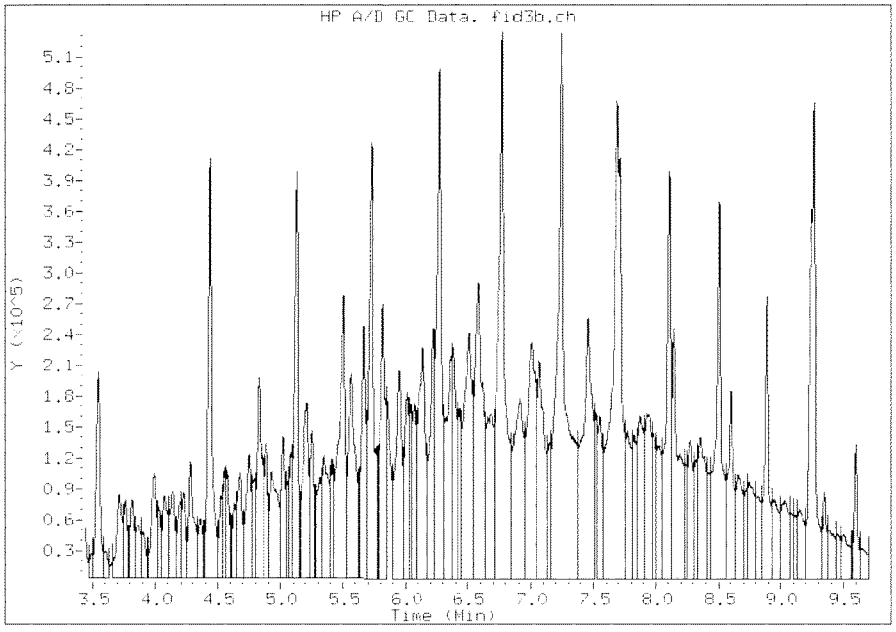
Manual Integration Results

RT: 6.57

Response: 46092608

Amount: 29245.51

Conc: 29245.51



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:42
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

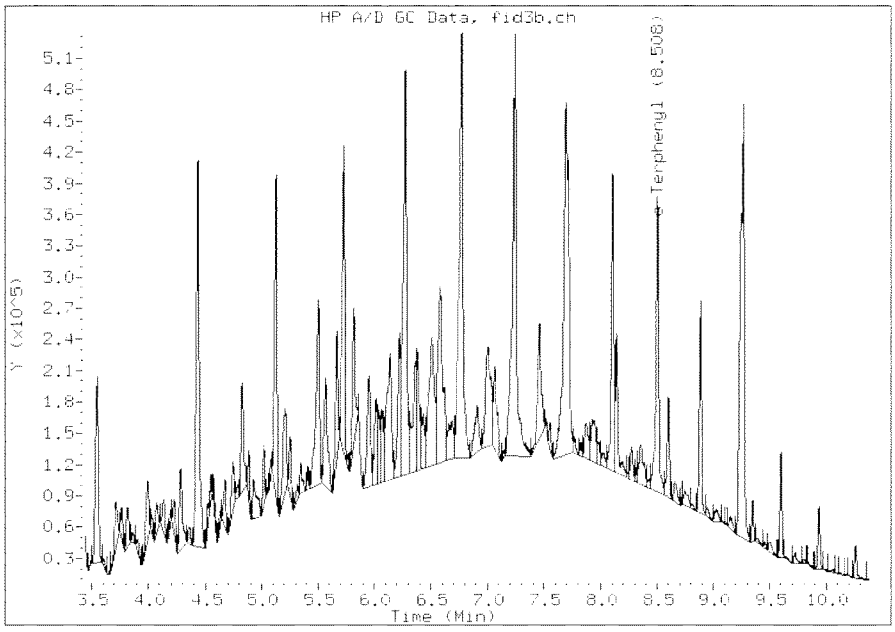
Processing Integration Results

RT: 6.91

Response: 15266717

Amount: 14823.66

Conc: 14823.66



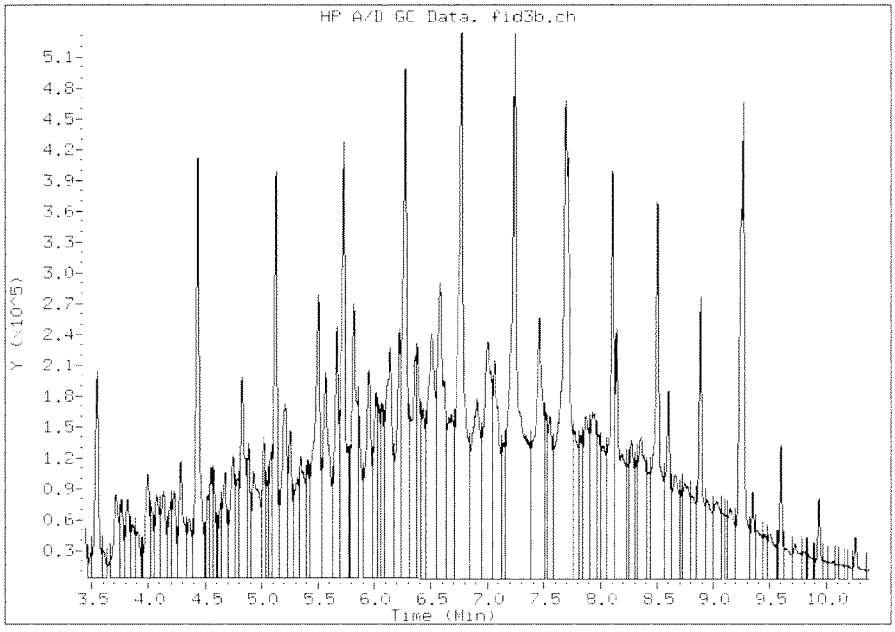
Manual Integration Results

RT: 6.91

Response: 47154718

Amount: 29434.36

Conc: 29434.36



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:42
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

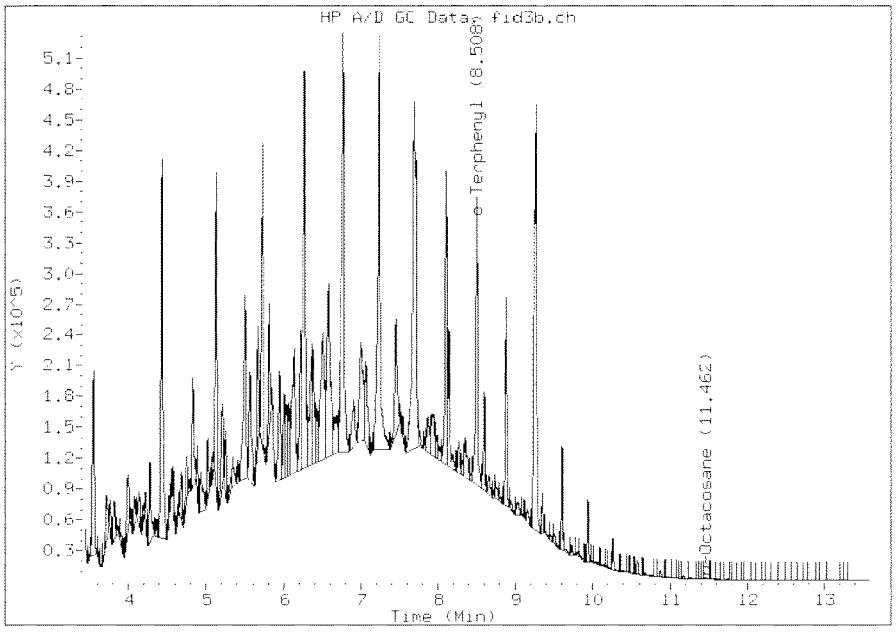
Processing Integration Results

RT: 8.51

Response: 15318595

Amount: 14679.38

Conc: 14679.38



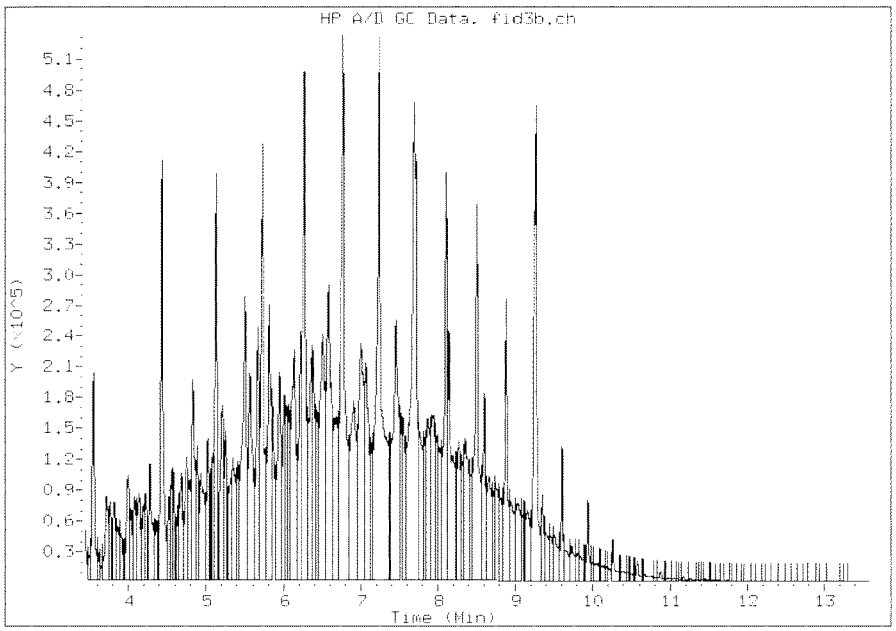
Manual Integration Results

RT: 8.51

Response: 47398462

Amount: 29437.62

Conc: 29437.62



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:42
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

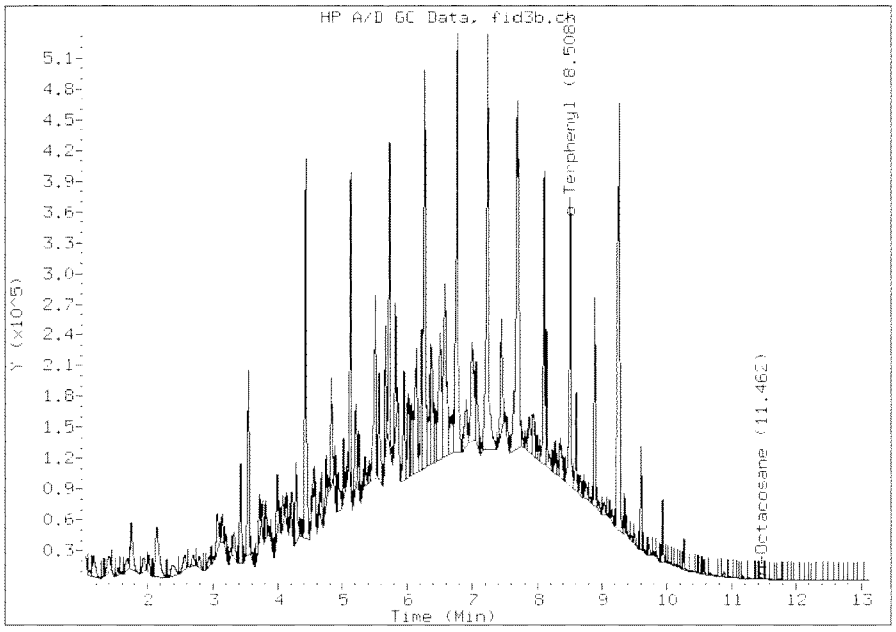
Processing Integration Results

RT: 7.08

Response: 16538350

Amount: 14795.14

Conc: 14795.14



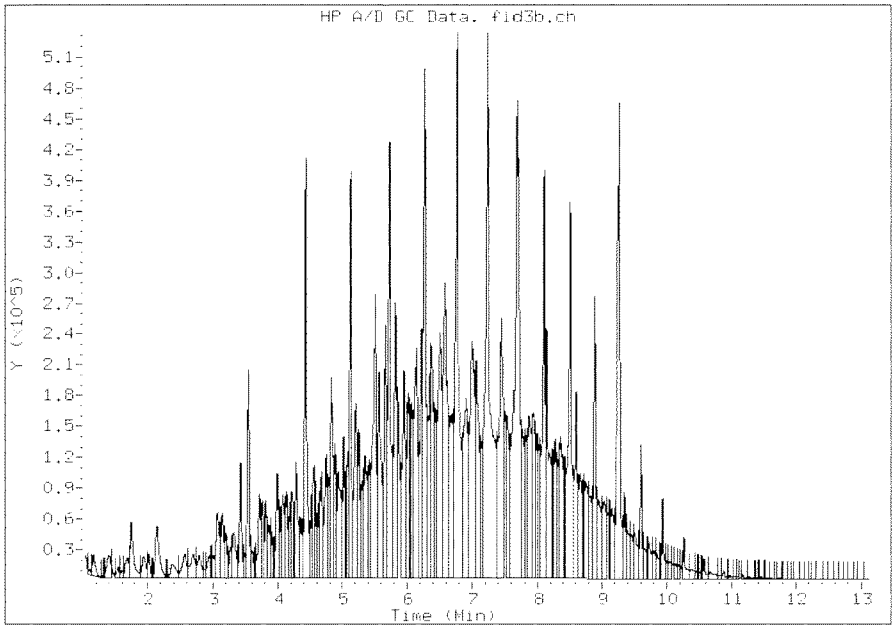
Manual Integration Results

RT: 7.08

Response: 51060017

Amount: 29904.01

Conc: 29904.01



Manually Integrated By: birdsellm
Modification Date:
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

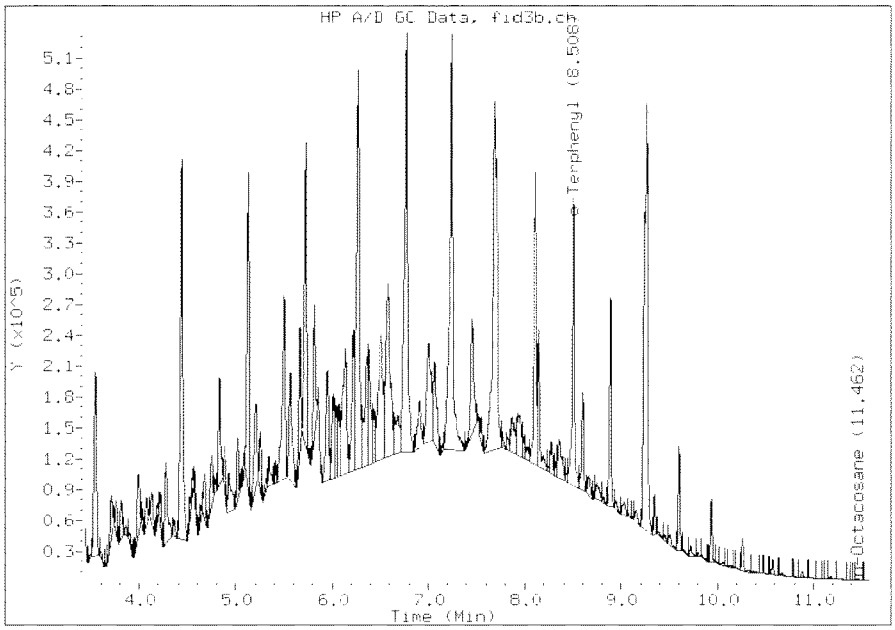
Processing Integration Results

RT: 7.51

Response: 15314220

Amount: 14691.49

Conc: 14691.49



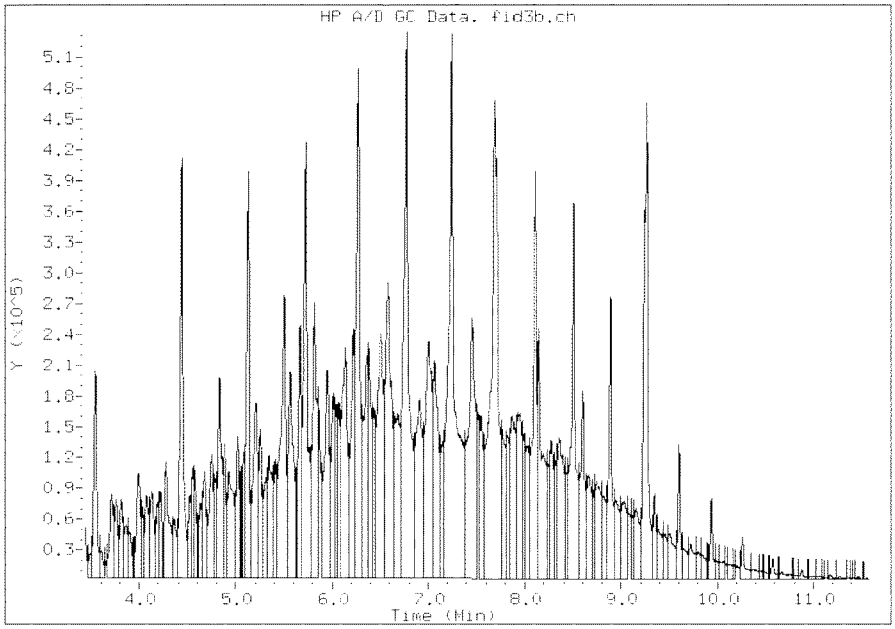
Manual Integration Results

RT: 7.51

Response: 47388963

Amount: 29453.24

Conc: 29453.24



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:42
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 004B0401.D
Inj. Date and Time: 26-APR-2012 15:34
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

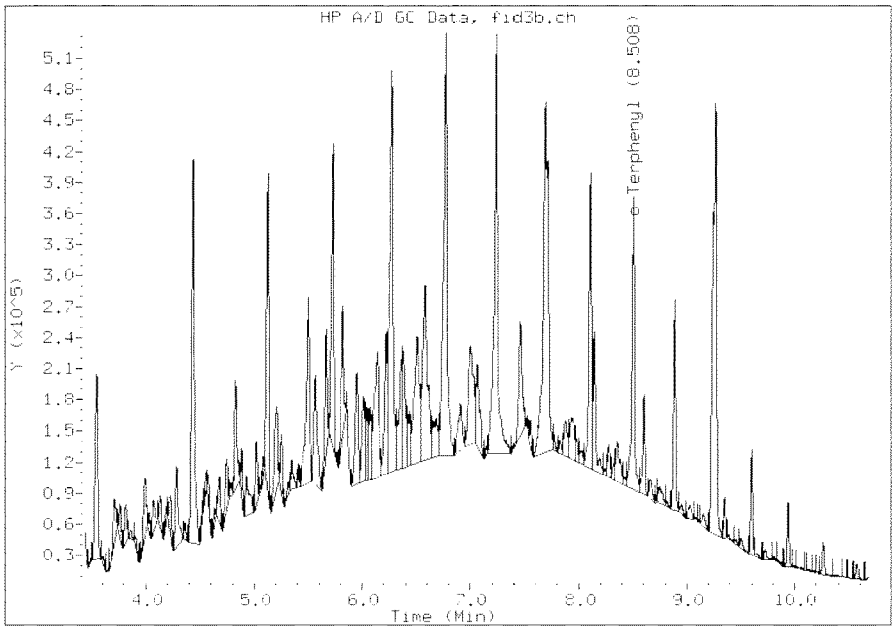
Processing Integration Results

RT: 7.06

Response: 15291915

Amount: 14813.08

Conc: 14813.08



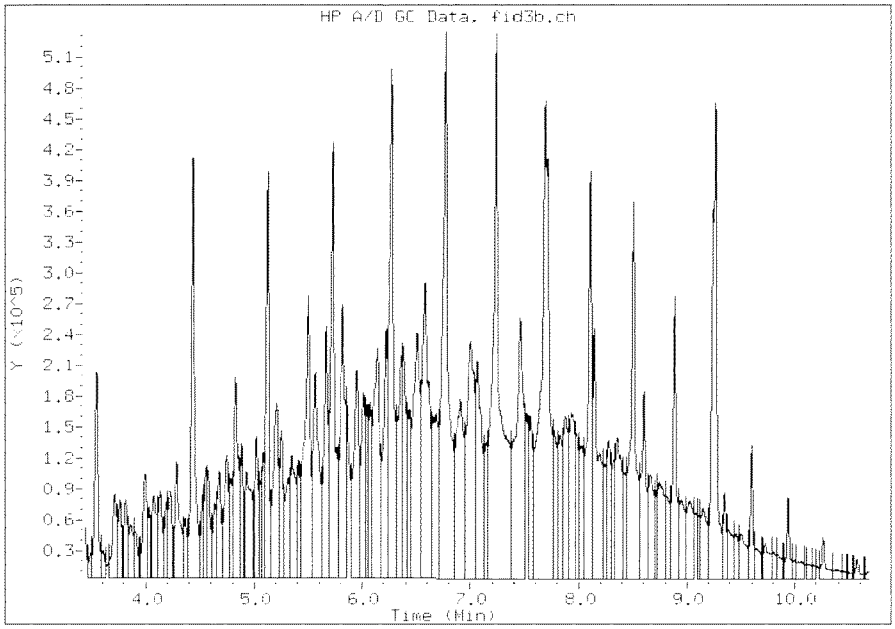
Manual Integration Results

RT: 7.06

Response: 47278462

Amount: 29440.50

Conc: 29440.50



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:42
Manual Integration Reason: Baseline Event

Data File: 005B0501.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\005B0501.D
Lab Smp Id: IC-1384140
Inj Date : 26-APR-2012 15:58
Operator : MB Inst ID: GC_U2.i
Smp Info : IC-1384140,L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 15:34 Cal File: 004B0401.D
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)
S 198 C8-C34	1.142	-13.009		26117386	15000.0	15300(M)
S 3 C10-C22	3.545	-9.598		24115397	15000.0	15300(M)
S 2 C10-C24	3.545	-10.272		24500065	15000.0	15290(M)
S 5 C10-25	3.545	-10.578		24560223	15000.0	15290(M)
S 8 C10-C28	3.545	-11.467		24610778	15000.0	15300(M)
S 196 C12-C24	5.117	-10.272		21056232	15000.0	15550(M)
S 194 C10-C32	3.545	-12.526		24614855	15000.0	15290(M)
S 9 C10-C36	3.545	-13.467		24615568	15000.0	15290(M)
$ 1 o-Terphenyl	8.495	8.484	0.011	175144	75.0000	63.68(M)
S 195 C10-C38	3.545	-13.913		24620105	15000.0	15260(M)
$ 11 n-Octacosane	11.466	11.463	0.003	141230	75.0000	75.07(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 005B0501.D

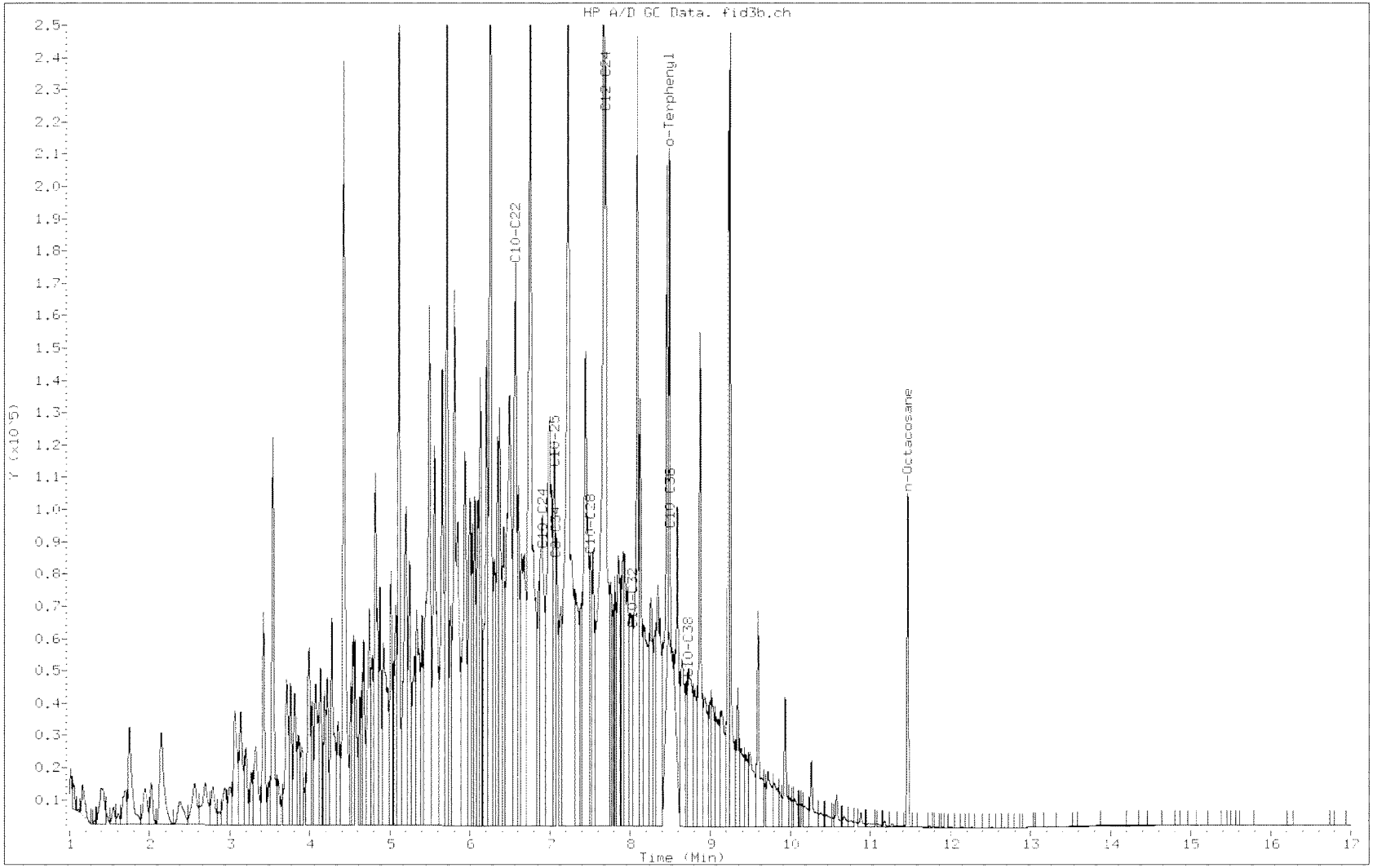
Date: 26-APR-2012 15:58

Client ID:

Instrument: GC_U2.i

Sample Info: IC-1384140,L6

Operator: MB



Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

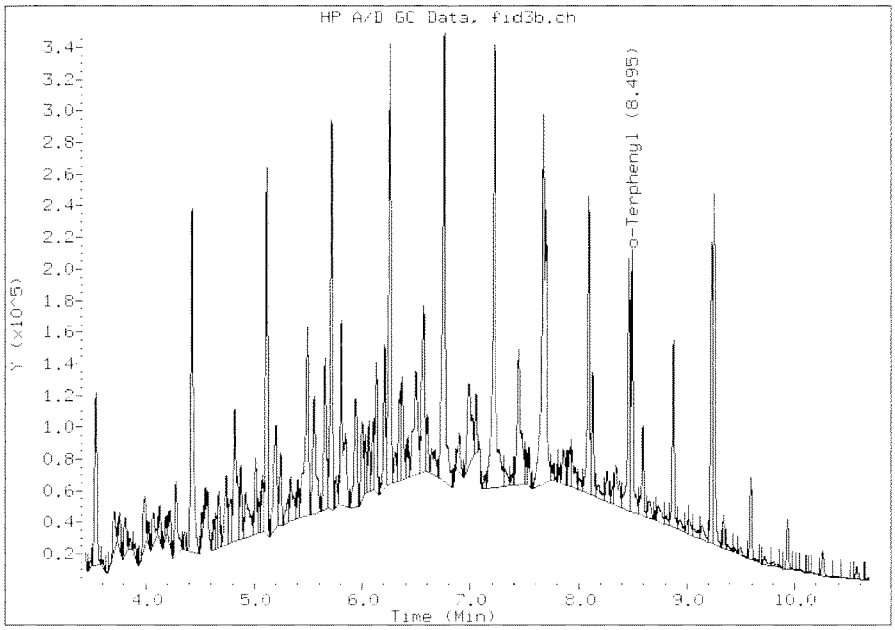
Processing Integration Results

RT: 7.06

Response: 9254057

Amount: 10437.29

Conc: 10437.29



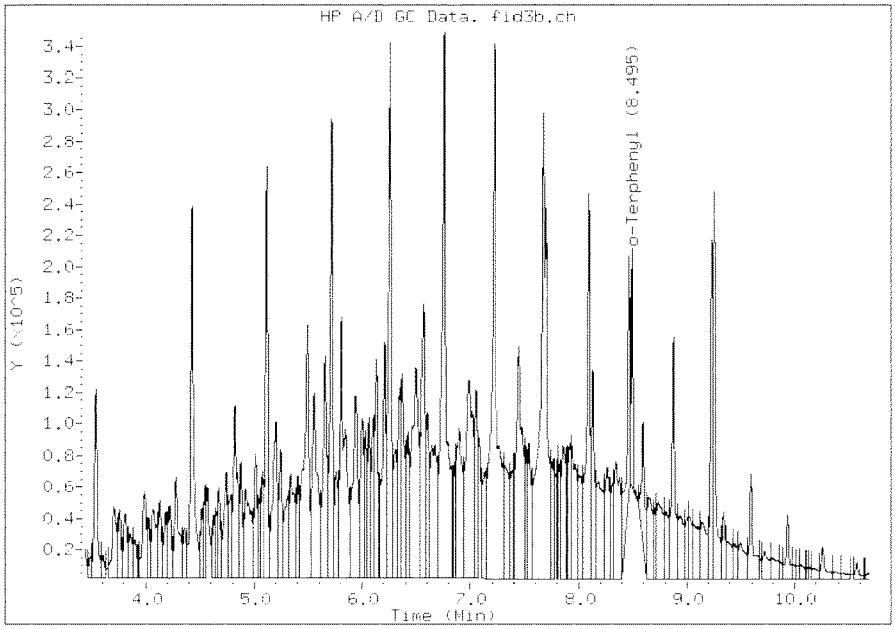
Manual Integration Results

RT: 7.06

Response: 24560223

Amount: 15293.75

Conc: 15293.75



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

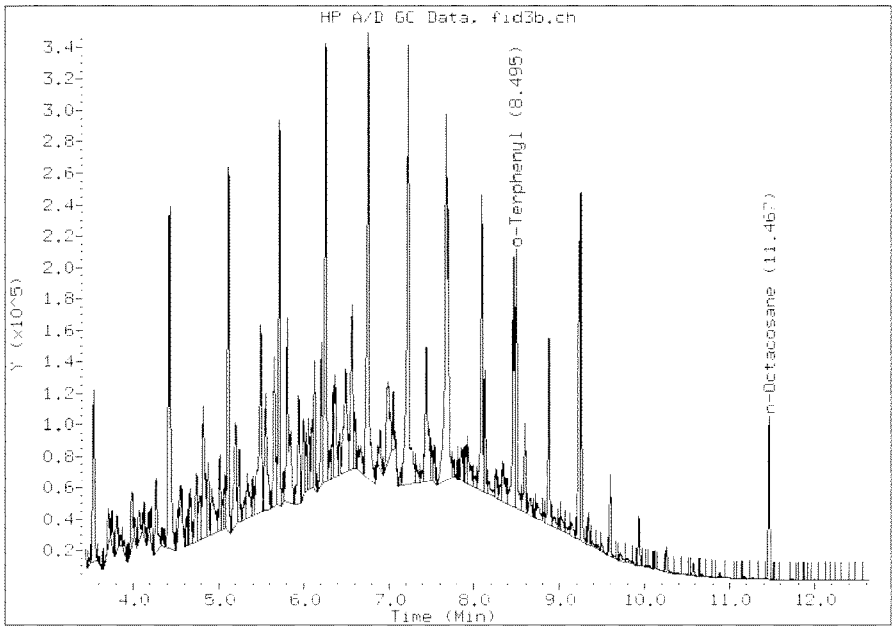
Processing Integration Results

RT: 8.04

Response: 9268536

Amount: 10348.28

Conc: 10348.28



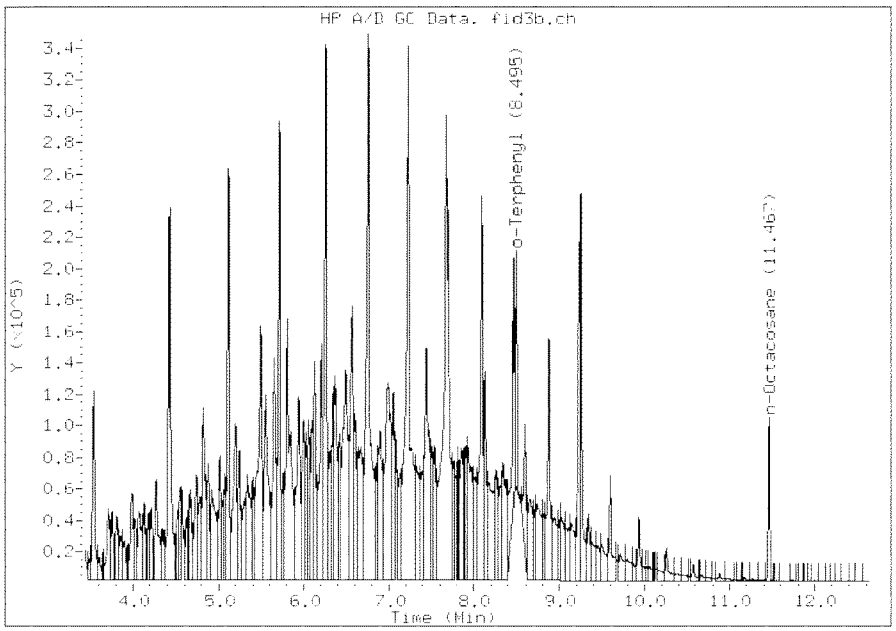
Manual Integration Results

RT: 8.04

Response: 24614855

Amount: 15291.91

Conc: 15291.91



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 04/30/2012

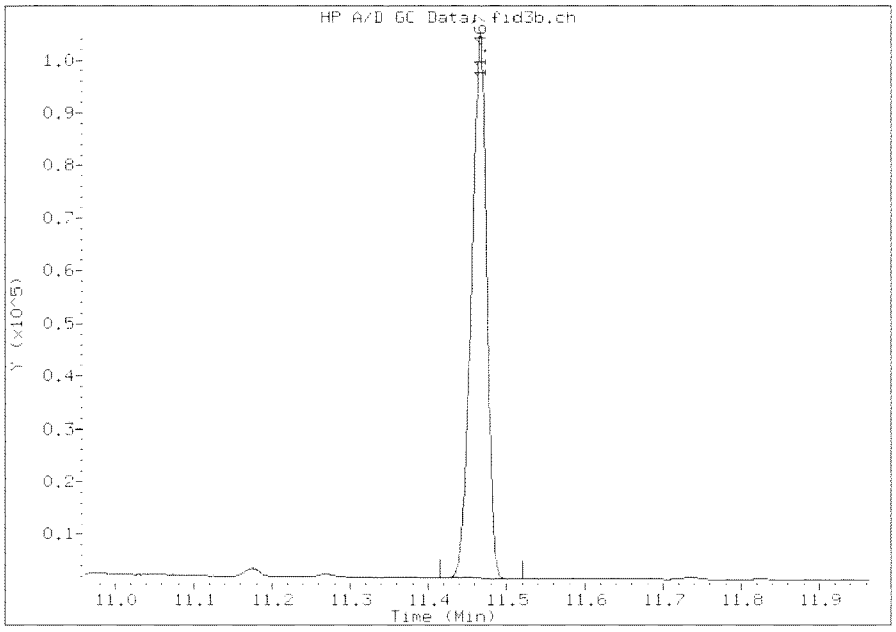
Processing Integration Results

RT: 11.47

Response: 139967

Amount: 184.95

Conc: 184.95



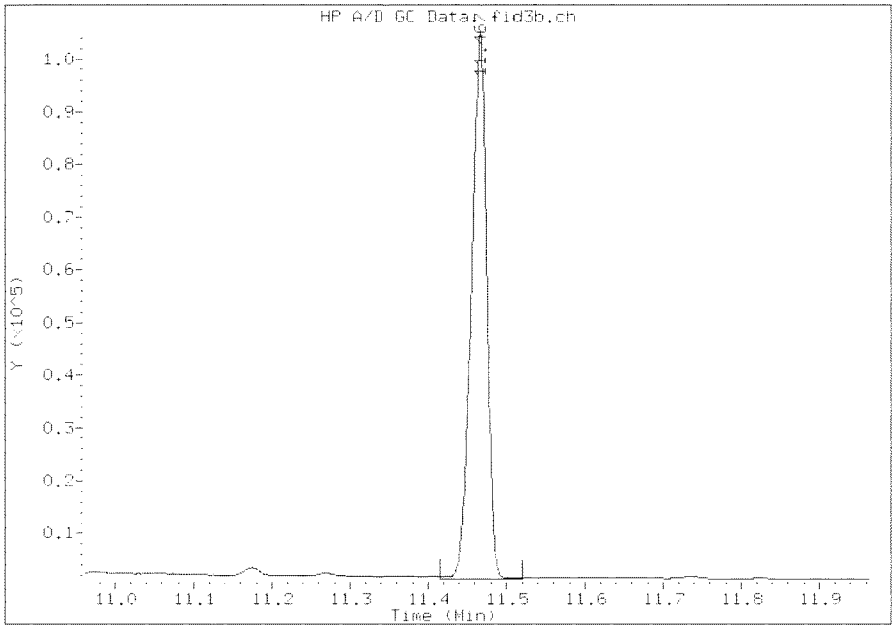
Manual Integration Results

RT: 11.47

Response: 141230

Amount: 75.07

Conc: 75.07



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

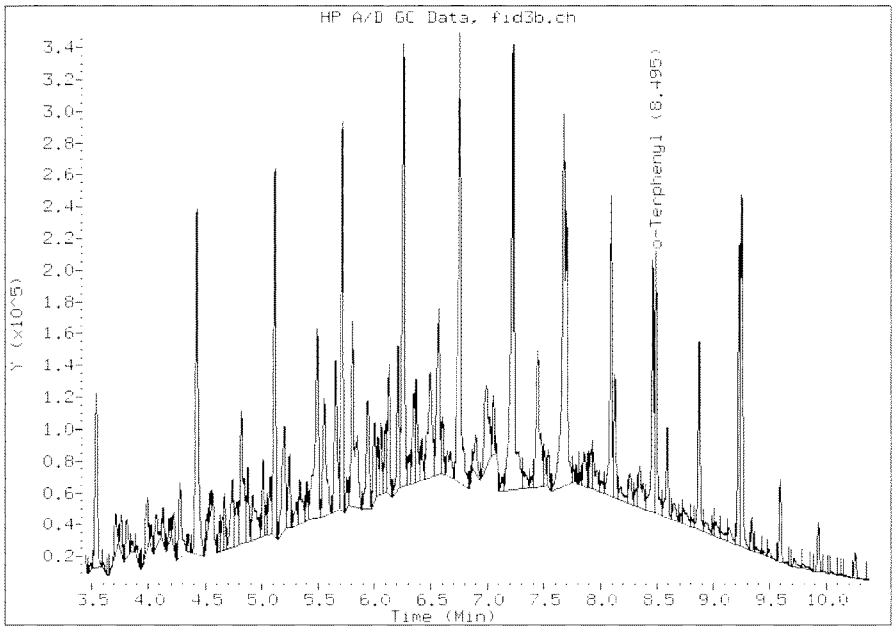
Processing Integration Results

RT: 6.91

Response: 9240974

Amount: 10445.90

Conc: 10445.90



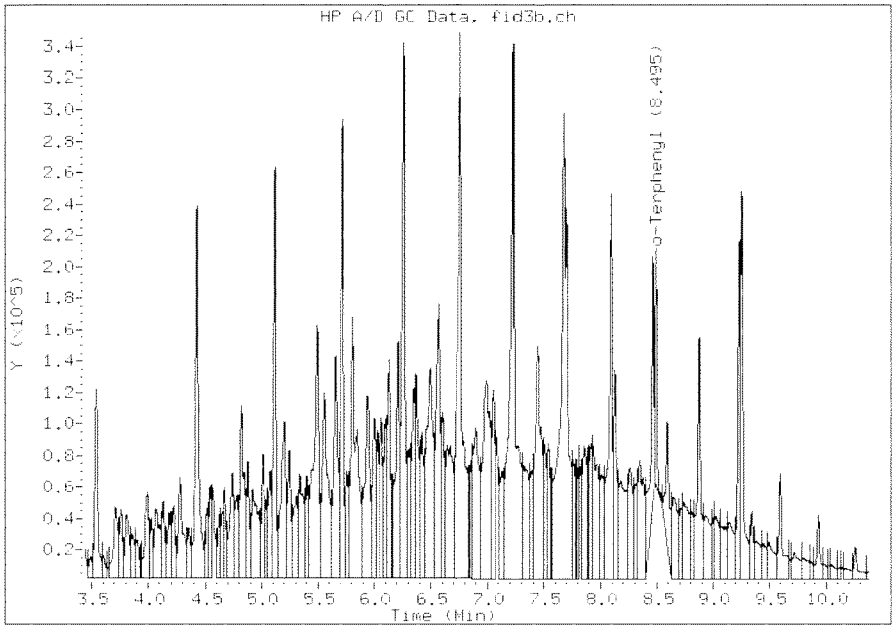
Manual Integration Results

RT: 6.91

Response: 24500065

Amount: 15293.14

Conc: 15293.14



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

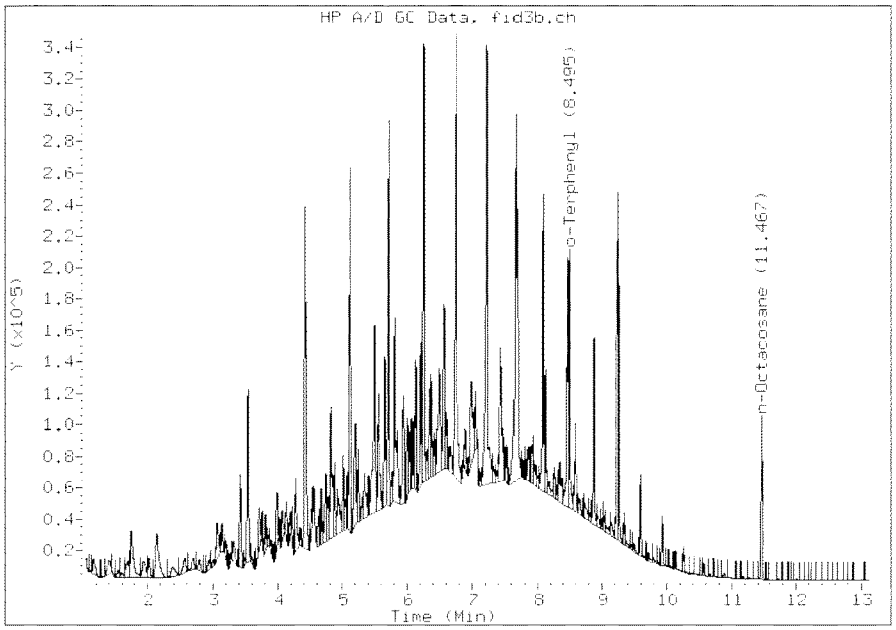
Processing Integration Results

RT: 7.08

Response: 10197338

Amount: 10566.62

Conc: 10566.62



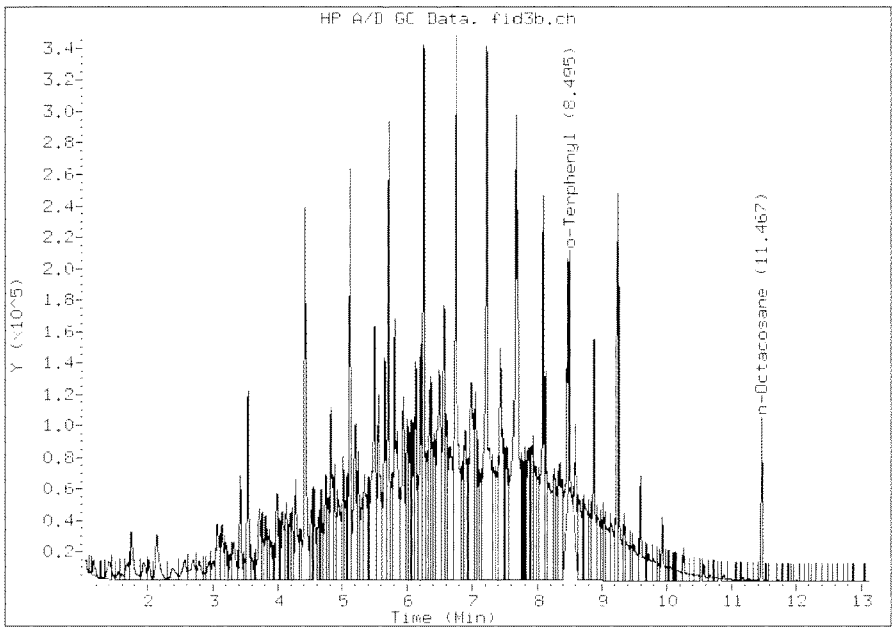
Manual Integration Results

RT: 7.08

Response: 26117386

Amount: 15296.01

Conc: 15296.01



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

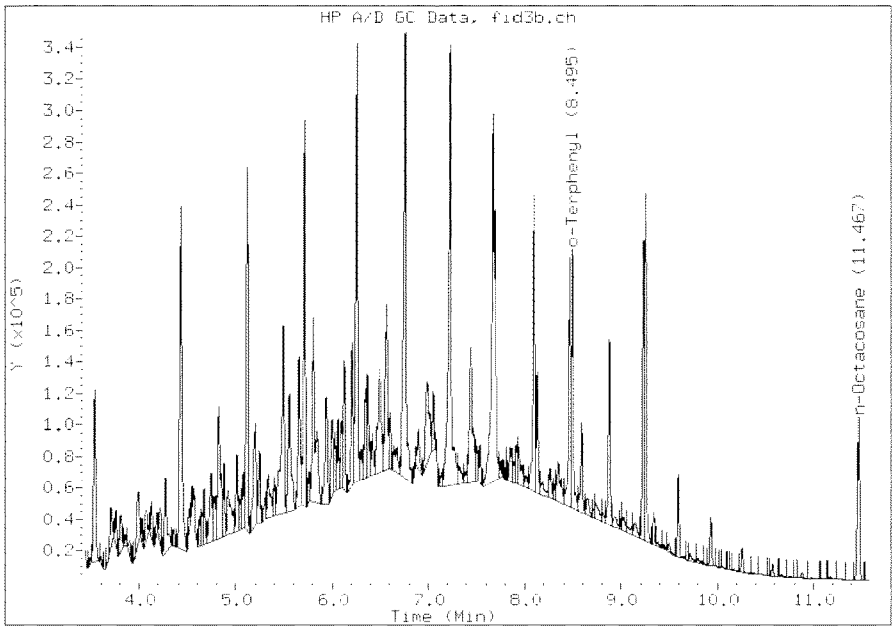
Processing Integration Results

RT: 7.51

Response: 9265644

Amount: 10352.73

Conc: 10352.73



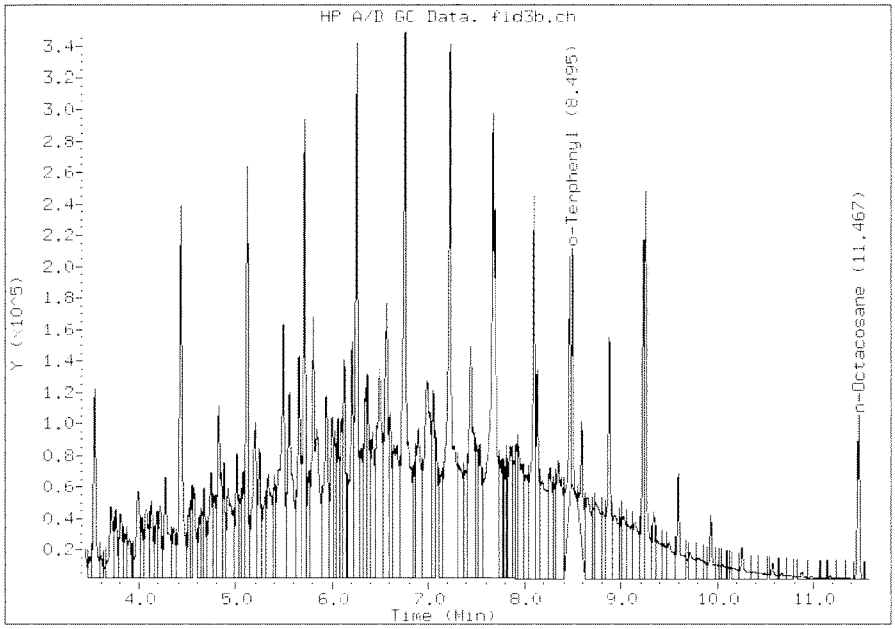
Manual Integration Results

RT: 7.51

Response: 24610778

Amount: 15296.12

Conc: 15296.12



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

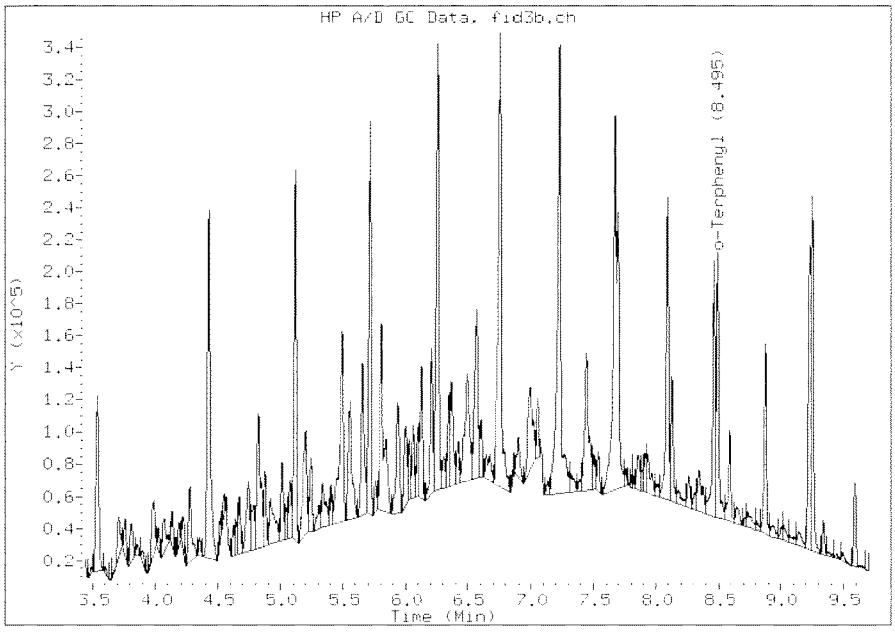
Processing Integration Results

RT: 6.57

Response: 9152419

Amount: 10492.89

Conc: 10492.89



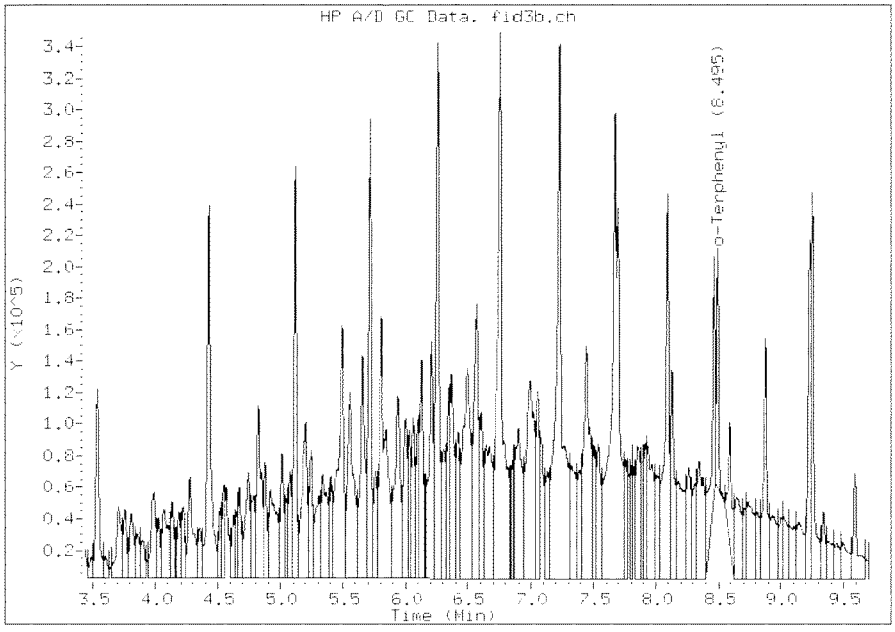
Manual Integration Results

RT: 6.57

Response: 24115397

Amount: 15301.09

Conc: 15301.09



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

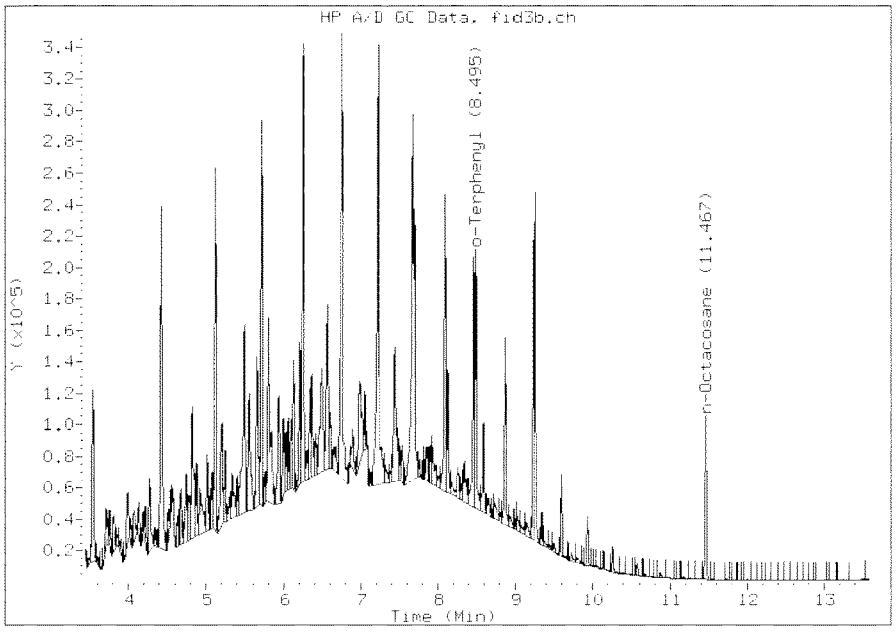
Processing Integration Results

RT: 8.51

Response: 9269249

Amount: 10343.66

Conc: 10343.66



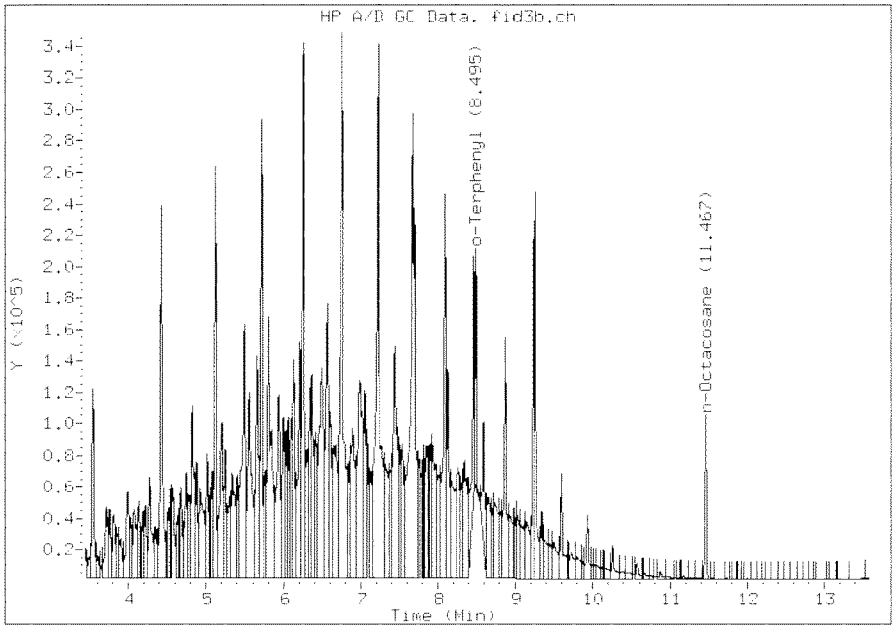
Manual Integration Results

RT: 8.51

Response: 24615568

Amount: 15287.92

Conc: 15287.92



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 005B0501.D
Inj. Date and Time: 26-APR-2012 15:58
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

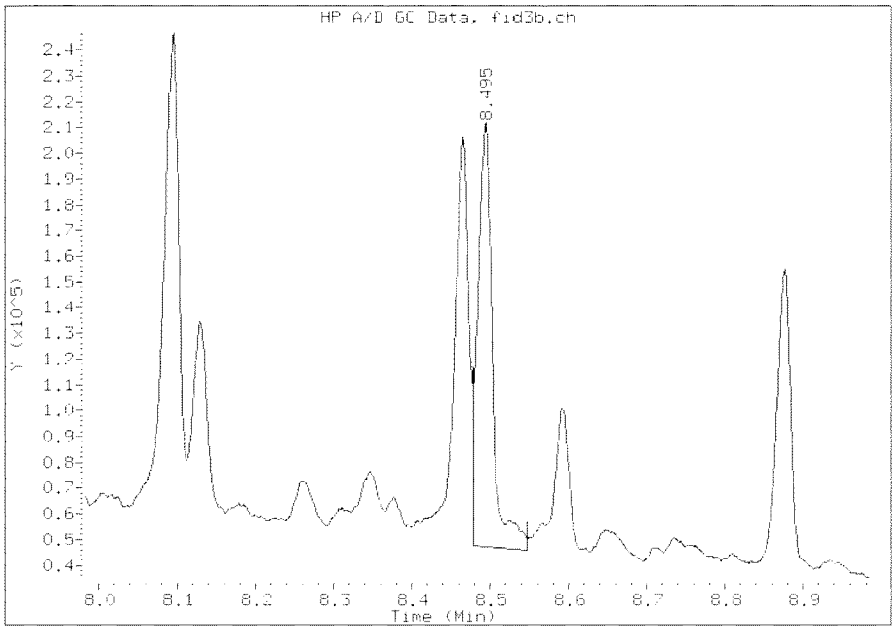
Processing Integration Results

RT: 8.49

Response: 214431

Amount: 71.40

Conc: 71.40



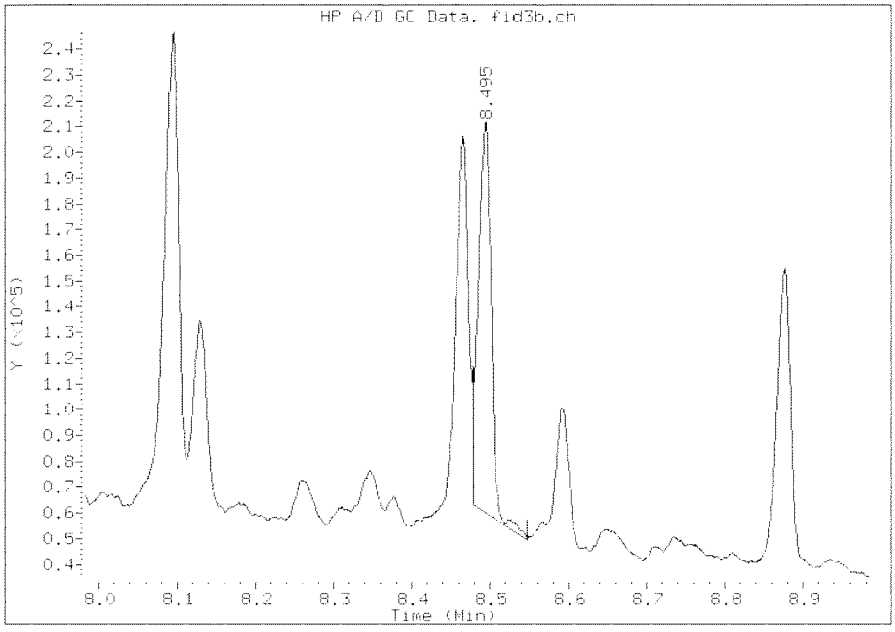
Manual Integration Results

RT: 8.50

Response: 175144

Amount: 63.68

Conc: 63.68



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:43
Manual Integration Reason: Baseline Event

Data File: 006B0601.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\006B0601.D
Lab Smp Id: IC-1384141
Inj Date : 26-APR-2012 16:23
Operator : MB Inst ID: GC_U2.i
Smp Info : IC-1384141,L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 15:58 Cal File: 005B0501.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142-13.009			12710541	7500.00	7444(M)
S 3 C10-C22	3.545-9.598			11751872	7500.00	7456(M)
S 2 C10-C24	3.545-10.272			11930944	7500.00	7447(M)
S 5 C10-25	3.545-10.578			11960337	7500.00	7448(M)
S 8 C10-C28	3.545-11.467			11985940	7500.00	7450(M)
S 196 C12-C24	5.117-10.272			10031947	7500.00	7410(M)
S 194 C10-C32	3.545-12.526			11989150	7500.00	7448(M)
S 9 C10-C36	3.545-13.467			11989436	7500.00	7446(M)
$ 1 o-Terphenyl	8.486	8.484	0.002	95123	37.5000	34.59(M)
S 195 C10-C38	3.545-13.913			11990111	7500.00	7431(M)
$ 11 n-Octacosane	11.463	11.463	0.000	68984	37.5000	36.67(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 006B0601.D

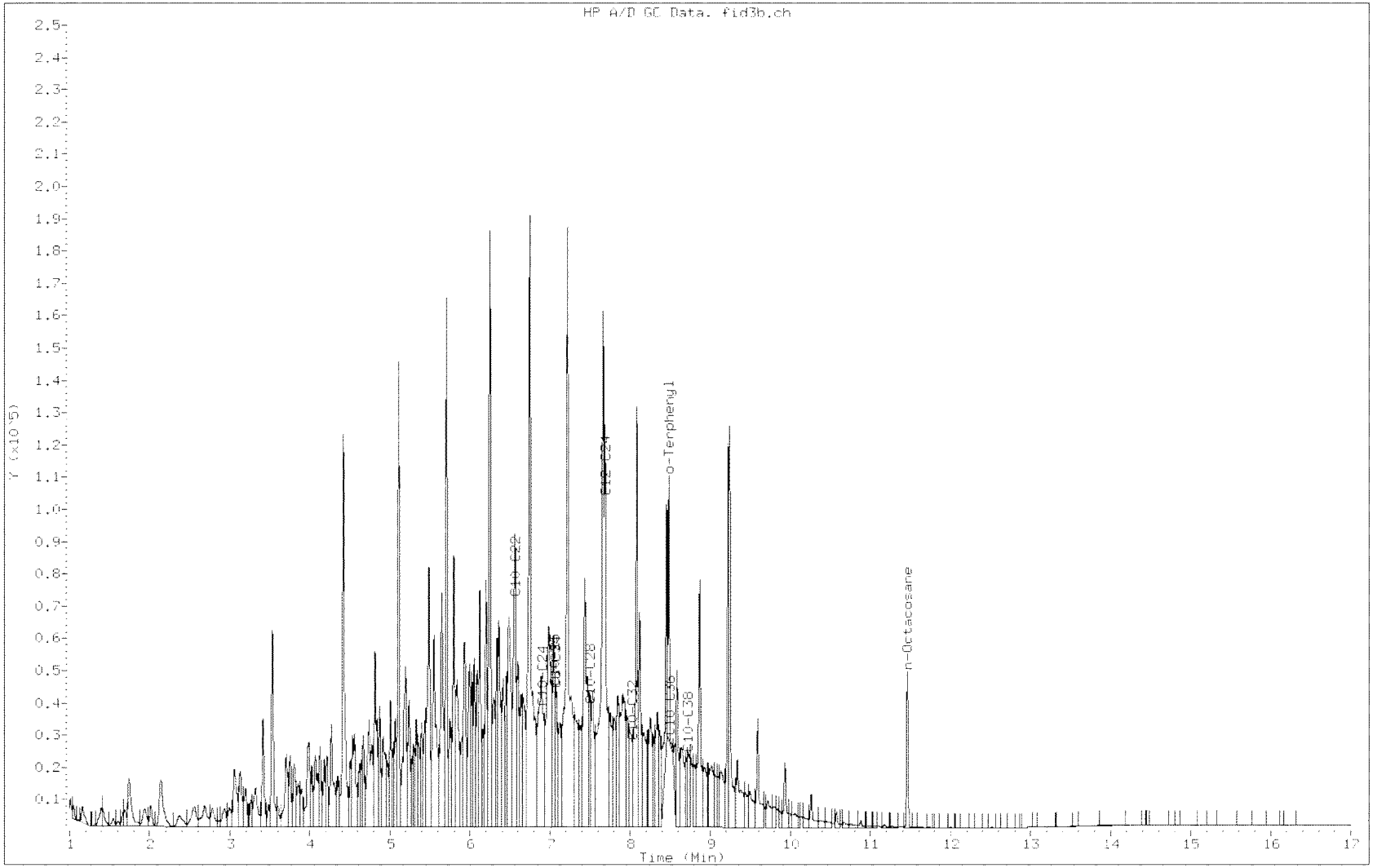
Date: 26-APR-2012 16:23

Client ID:

Instrument: GC_U2.i

Sample Info: IC-1384141,L5

Operator: MB



Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

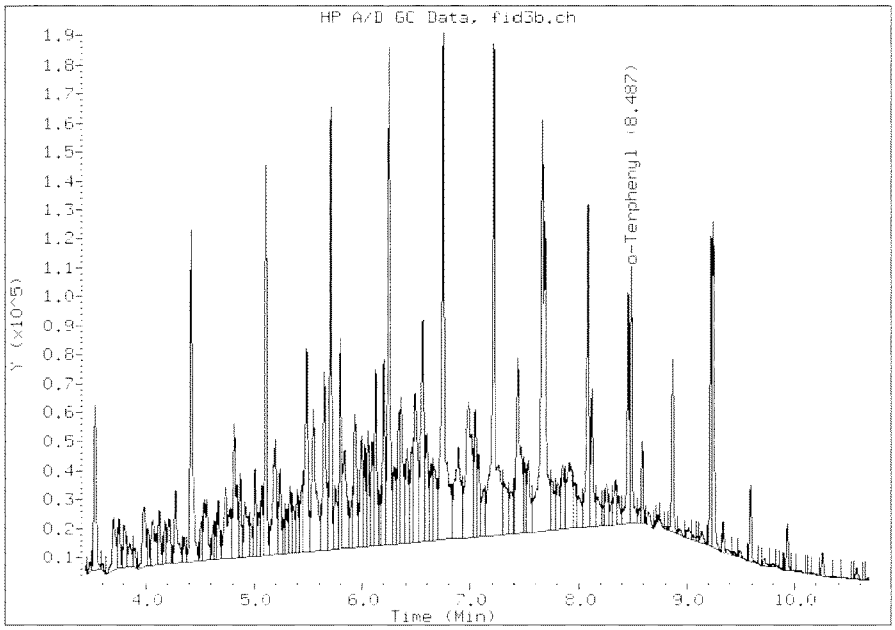
Processing Integration Results

RT: 7.06

Response: 7230209

Amount: 7615.70

Conc: 7615.70



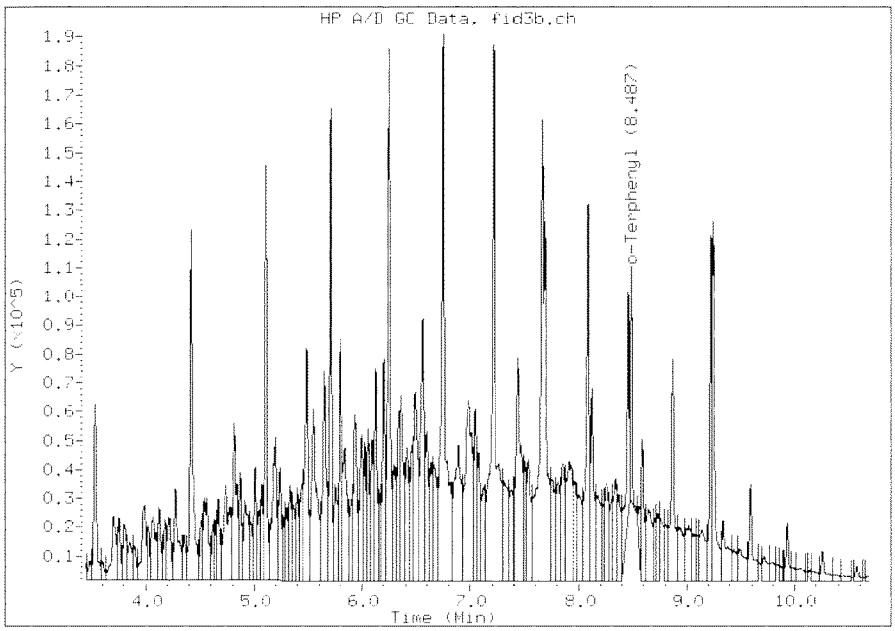
Manual Integration Results

RT: 7.06

Response: 11960337

Amount: 7447.75

Conc: 7447.75



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

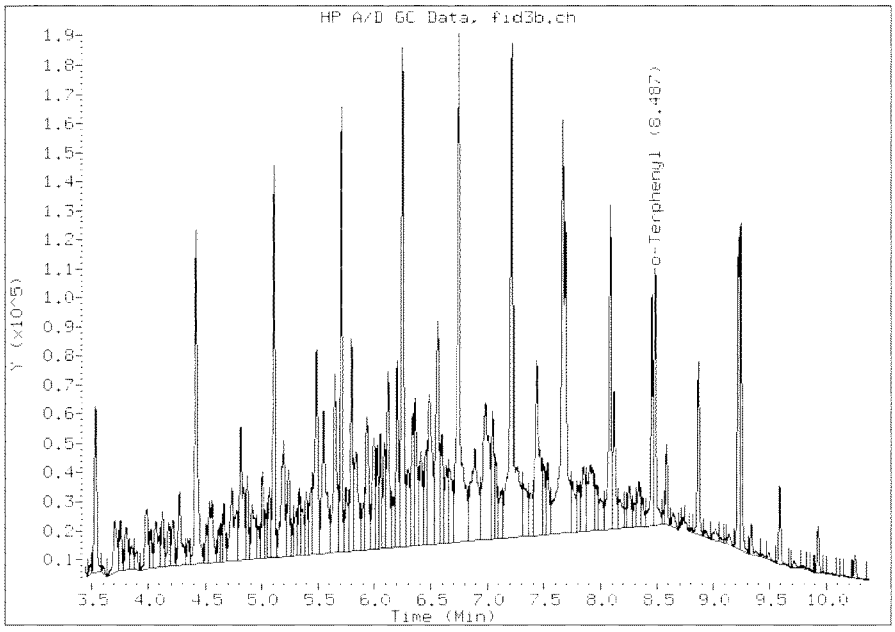
Processing Integration Results

RT: 6.91

Response: 7223777

Amount: 7625.12

Conc: 7625.12



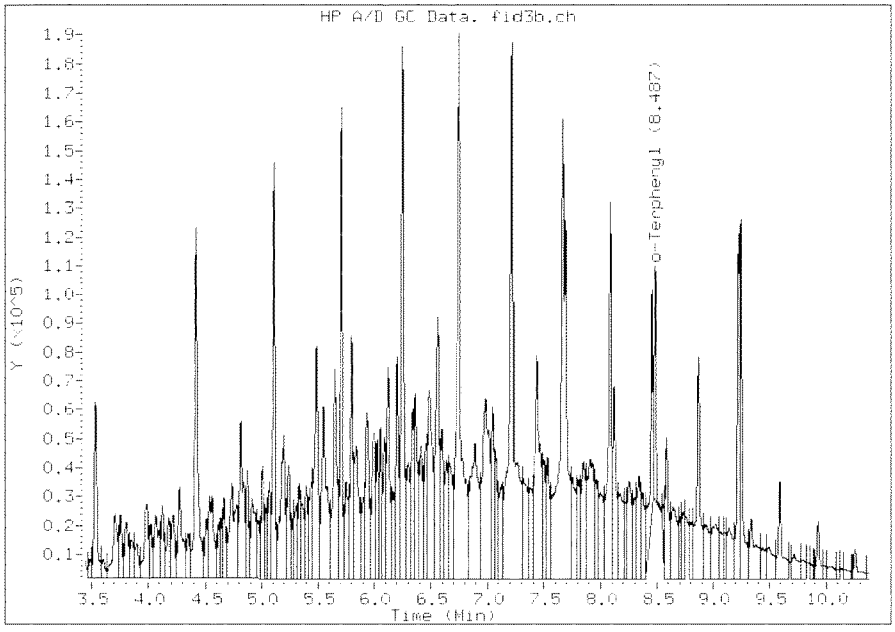
Manual Integration Results

RT: 6.91

Response: 11930944

Amount: 7447.39

Conc: 7447.39



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

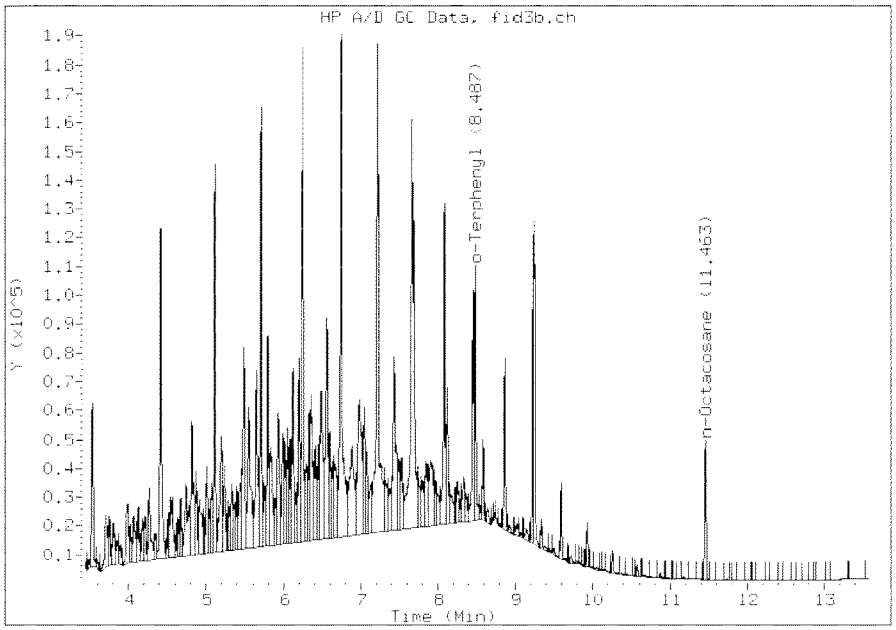
Processing Integration Results

RT: 8.51

Response: 7237638

Amount: 7600.46

Conc: 7600.46



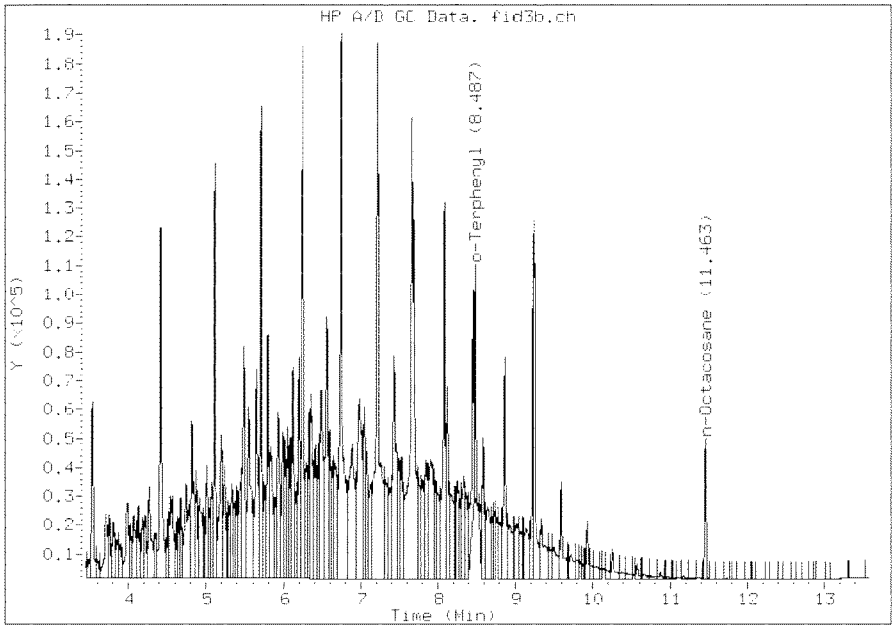
Manual Integration Results

RT: 8.51

Response: 11989436

Amount: 7446.24

Conc: 7446.24



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

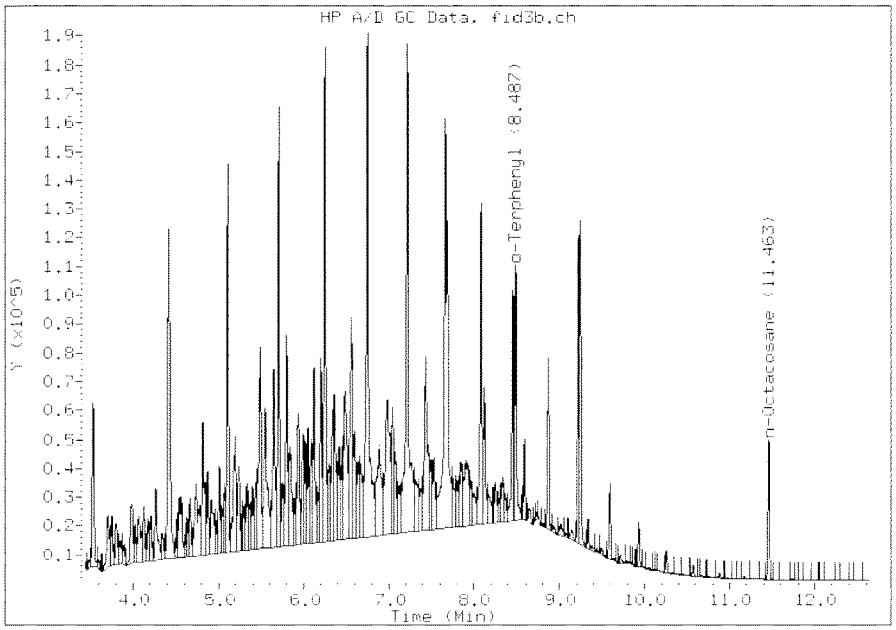
Processing Integration Results

RT: 8.04

Response: 7237351

Amount: 7603.89

Conc: 7603.89



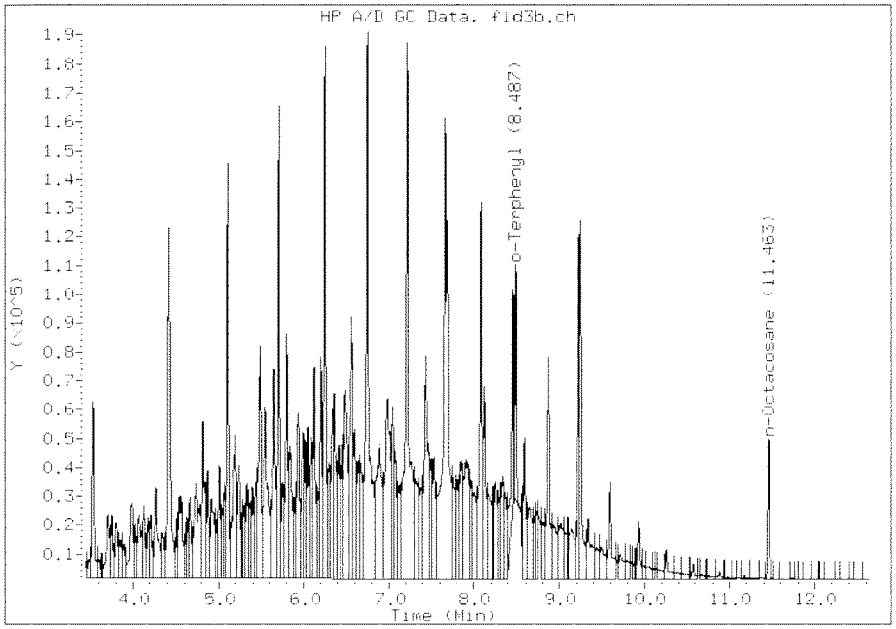
Manual Integration Results

RT: 8.04

Response: 11989150

Amount: 7448.23

Conc: 7448.23



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

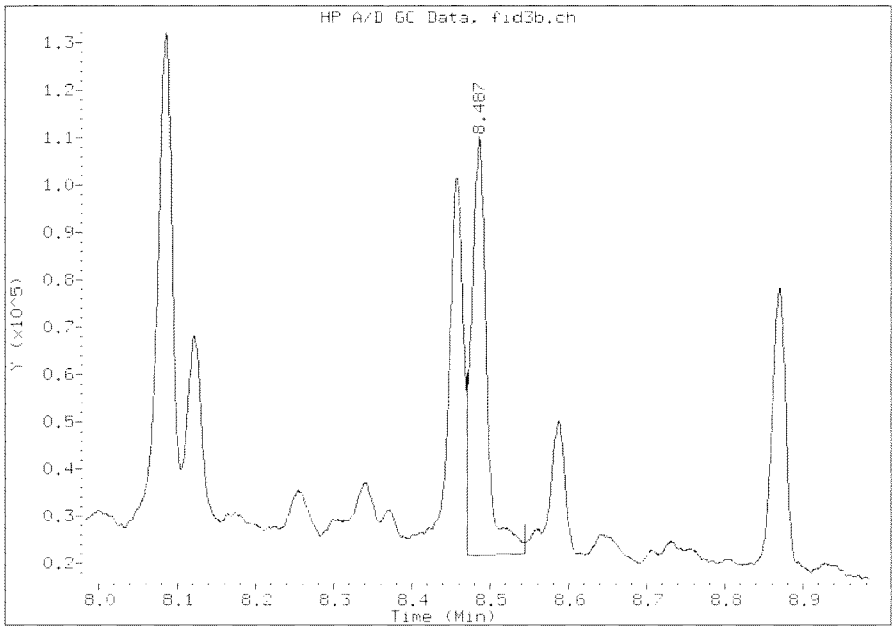
Processing Integration Results

RT: 8.49

Response: 117378

Amount: 37.11

Conc: 37.11



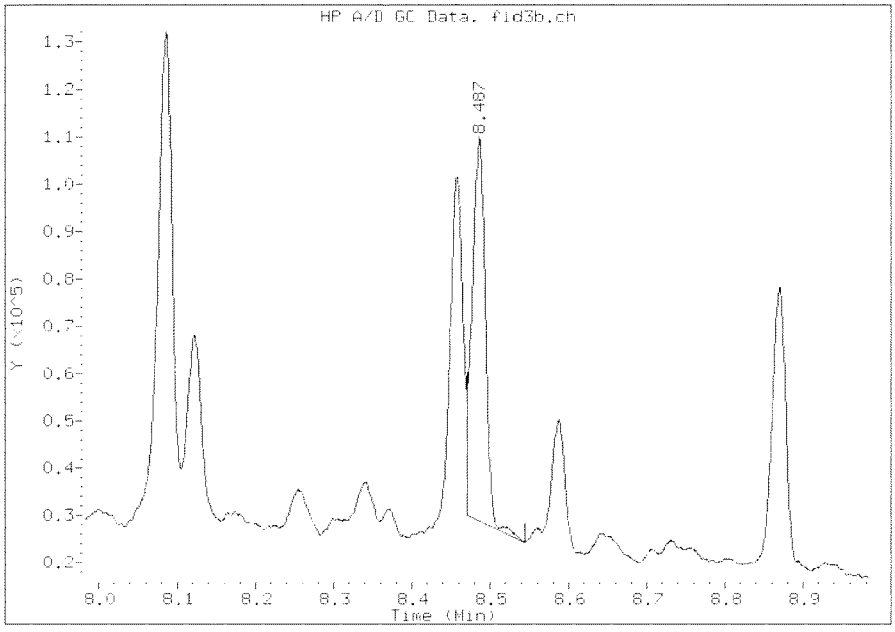
Manual Integration Results

RT: 8.49

Response: 95123

Amount: 34.59

Conc: 34.59



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

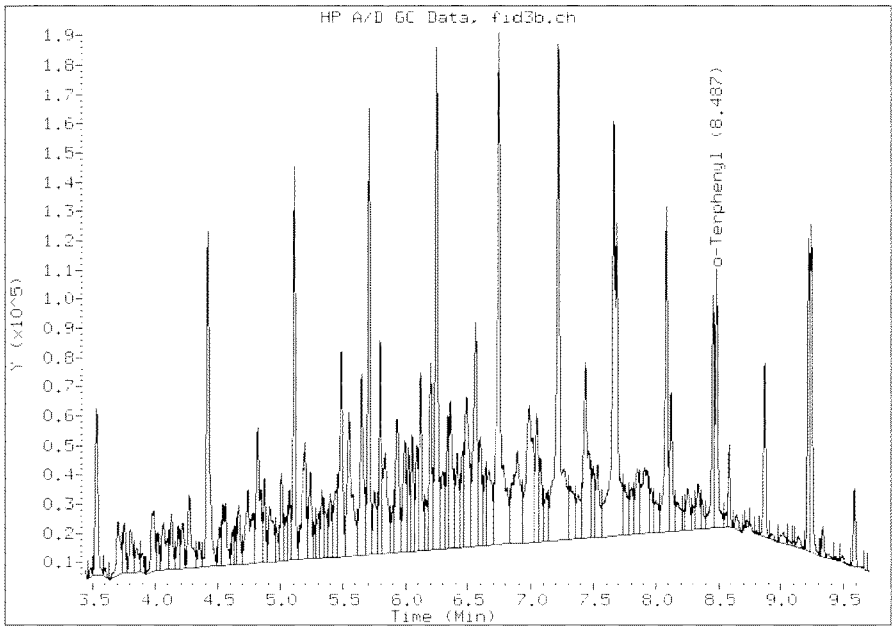
Processing Integration Results

RT: 6.57

Response: 7182244

Amount: 7686.80

Conc: 7686.80



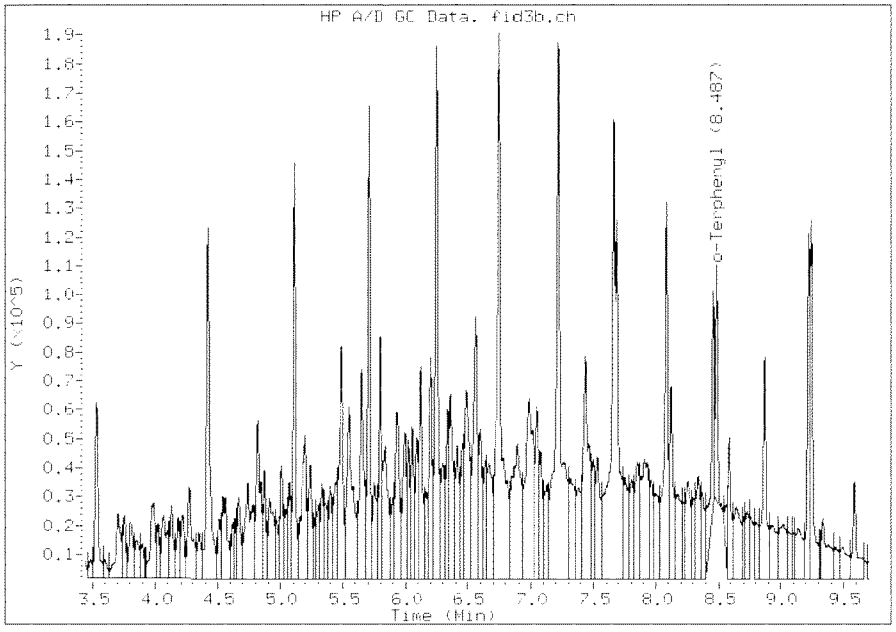
Manual Integration Results

RT: 6.57

Response: 11751872

Amount: 7456.50

Conc: 7456.50



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 04/30/2012

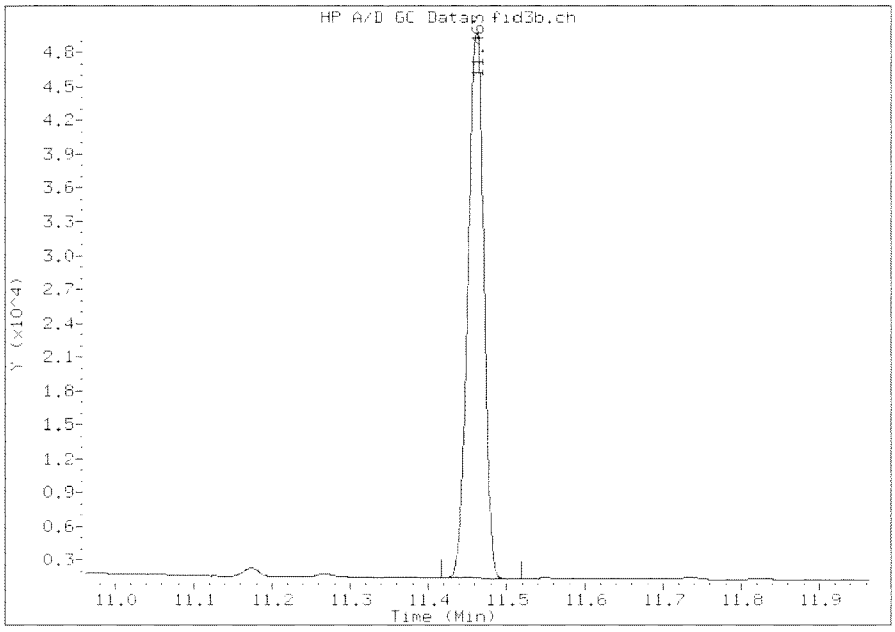
Processing Integration Results

RT: 11.46

Response: 68203

Amount: 36.40

Conc: 36.40



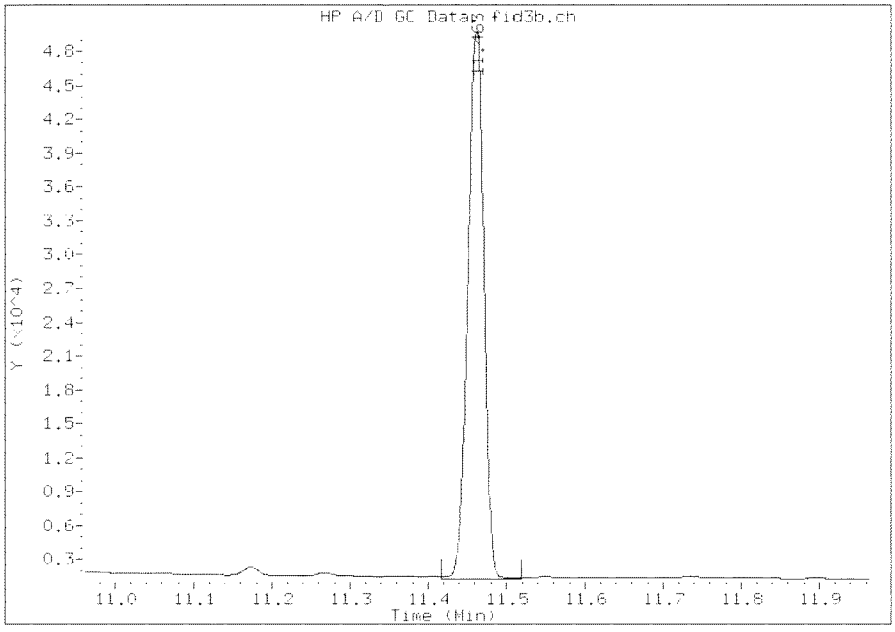
Manual Integration Results

RT: 11.46

Response: 68984

Amount: 36.67

Conc: 36.67



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

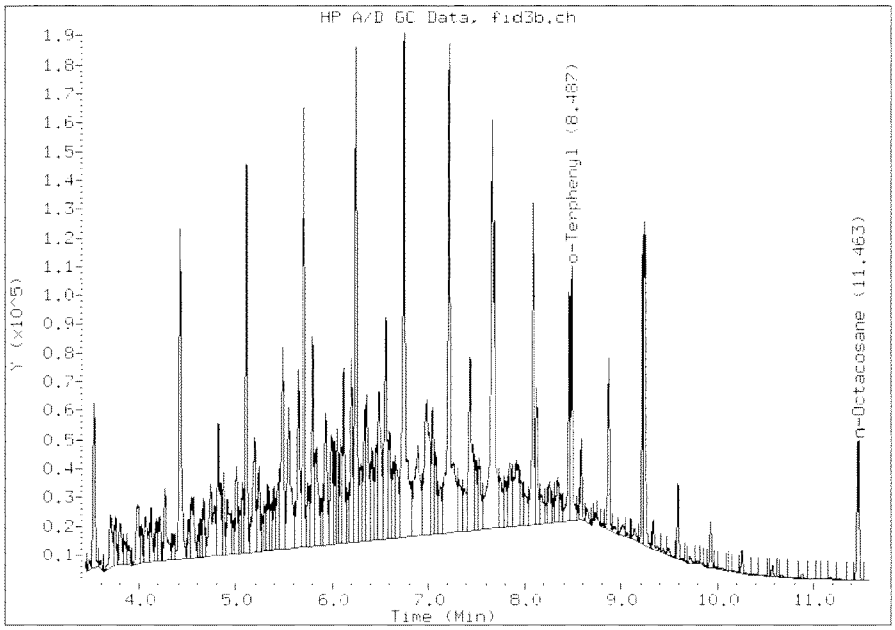
Processing Integration Results

RT: 7.51

Response: 7235829

Amount: 7607.54

Conc: 7607.54



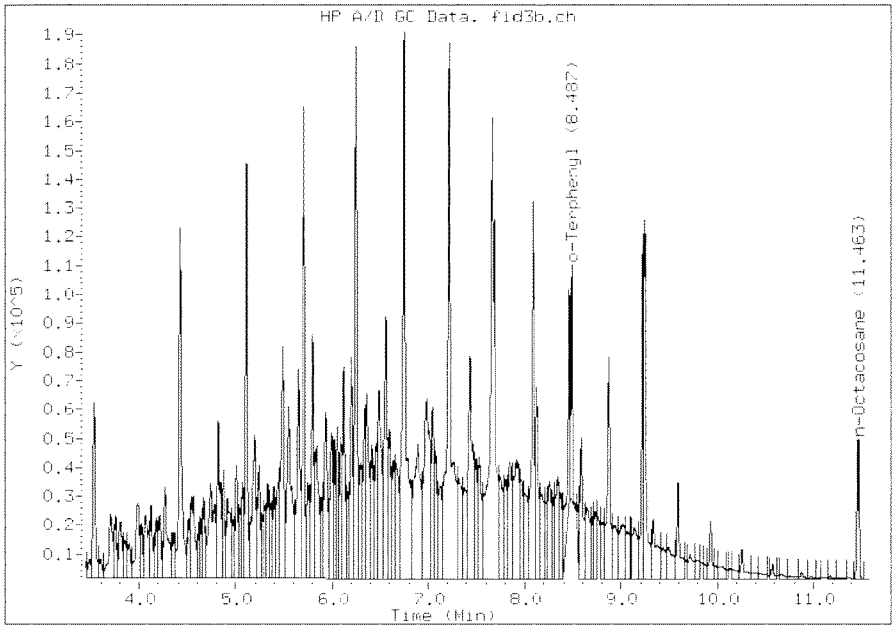
Manual Integration Results

RT: 7.51

Response: 11985940

Amount: 7449.51

Conc: 7449.51



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 006B0601.D
Inj. Date and Time: 26-APR-2012 16:23
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

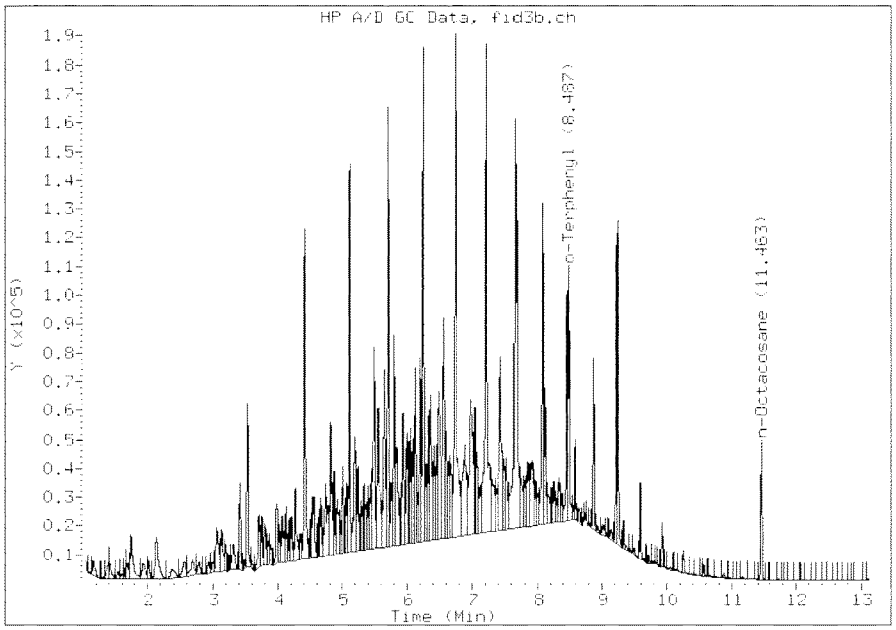
Processing Integration Results

RT: 7.08

Response: 7794849

Amount: 7558.54

Conc: 7558.54



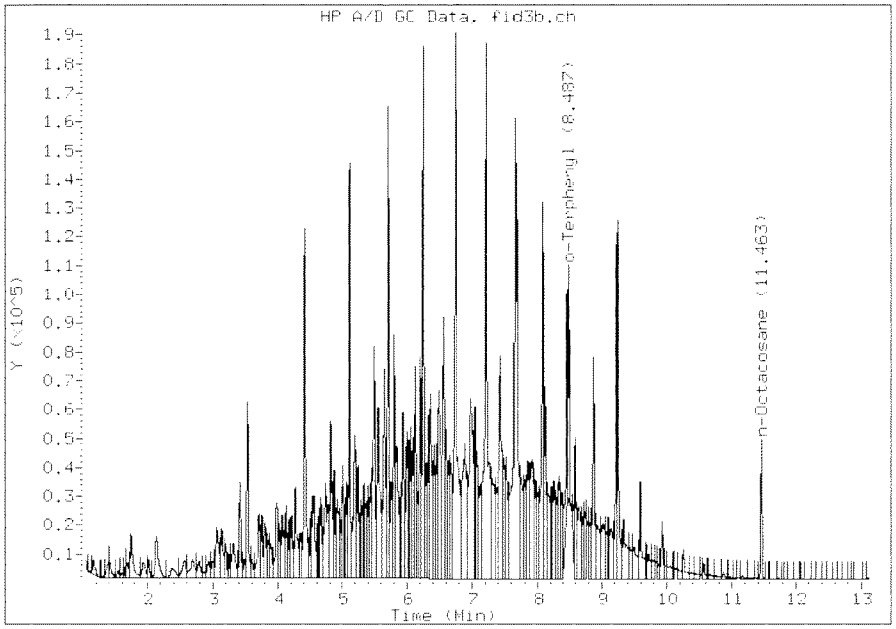
Manual Integration Results

RT: 7.08

Response: 12710541

Amount: 7444.11

Conc: 7444.11



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Data File: 007B0701.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\007B0701.D
Lab Smp Id: ICRT-1348584
Inj Date : 26-APR-2012 16:47
Operator : MB Inst ID: GC_U2.i
Smp Info : ICRT-1348584,L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 16:23 Cal File: 006B0601.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142	-13.009		8639339	5000.00	5060(M)
S 3 C10-C22	3.545	-9.598		7969267	5000.00	5056(M)
S 2 C10-C24	3.545	-10.272		8113715	5000.00	5065(M)
S 5 C10-25	3.545	-10.578		8134131	5000.00	5065(M)
S 8 C10-C28	3.545	-11.467		8152017	5000.00	5067(M)
S 196 C12-C24	5.117	-10.272		6805802	5000.00	5027(M)
S 194 C10-C32	3.545	-12.526		8153776	5000.00	5066(M)
S 9 C10-C36	3.545	-13.467		8154097	5000.00	5064(M)
$ 1 o-Terphenyl	8.484	8.484	0.000	65595	25.0000	23.85(M)
S 195 C10-C38	3.545	-13.913		8156561	5000.00	5055(M)
$ 11 n-Octacosane	11.459	11.463	-0.004	45943	25.0000	24.42(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 007B0701.D

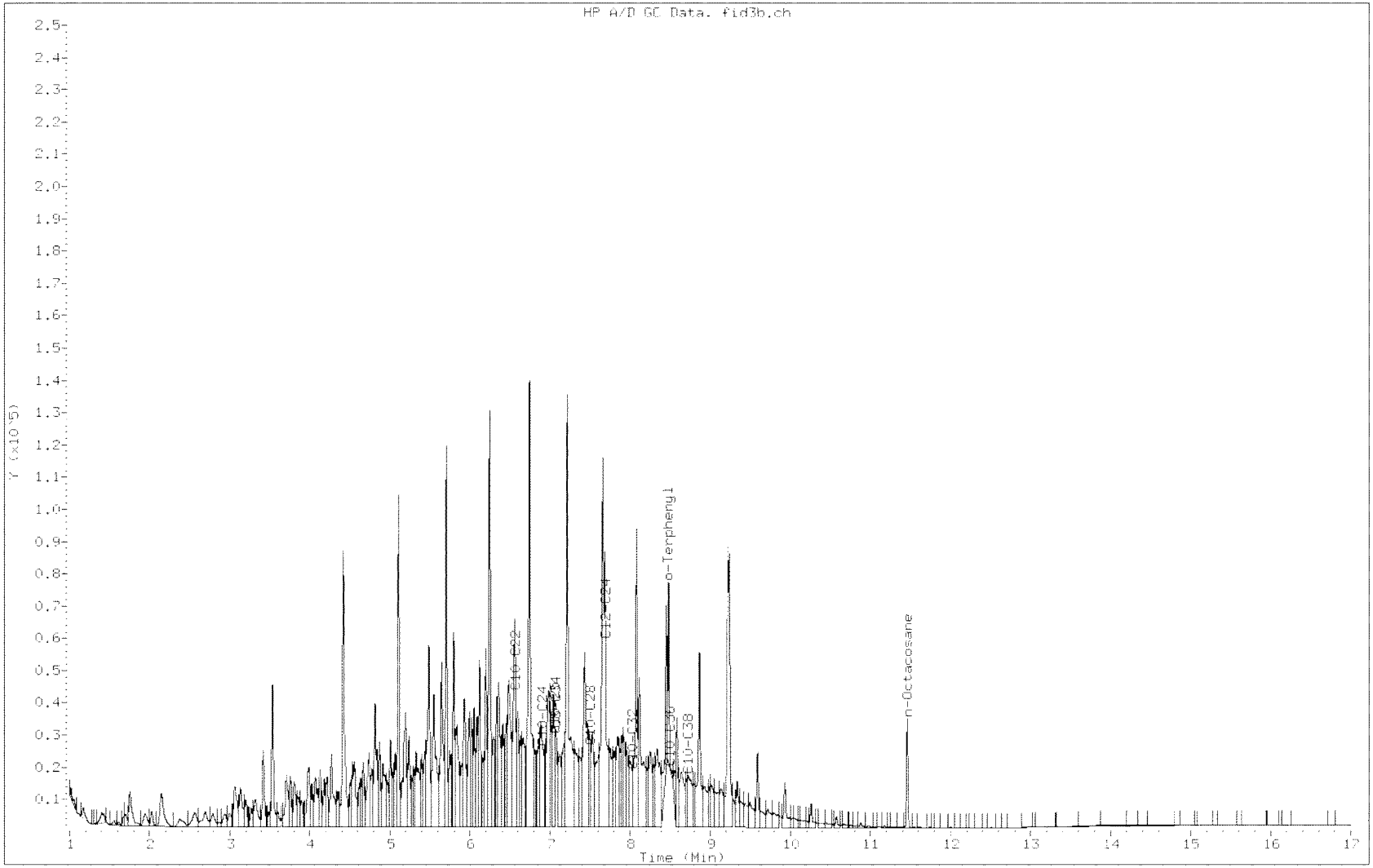
Date: 26-APR-2012 16:47

Client ID:

Instrument: GC_U2.i

Sample Info: ICRT-1348584,L4

Operator: MB



Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

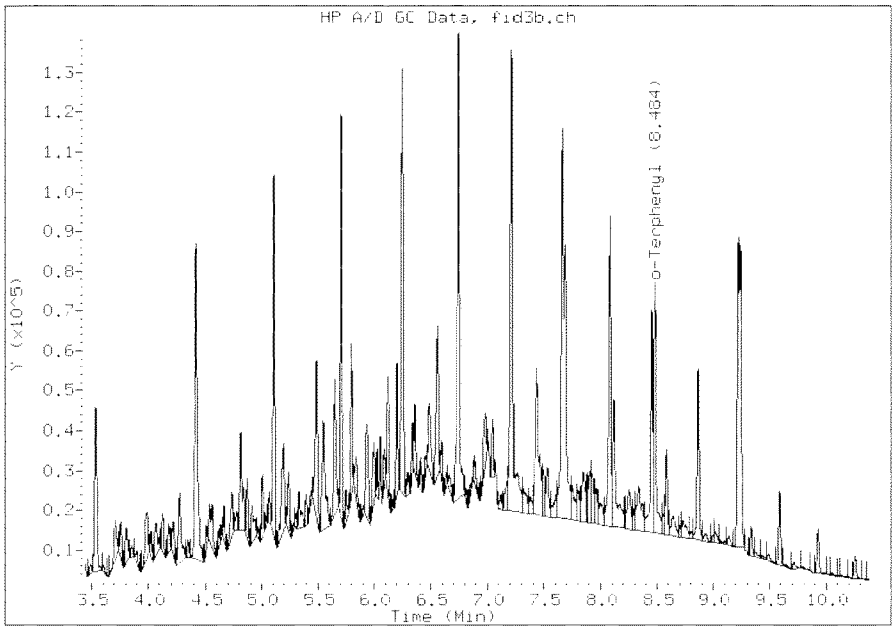
Processing Integration Results

RT: 6.91

Response: 3057675

Amount: 2948.50

Conc: 2948.50



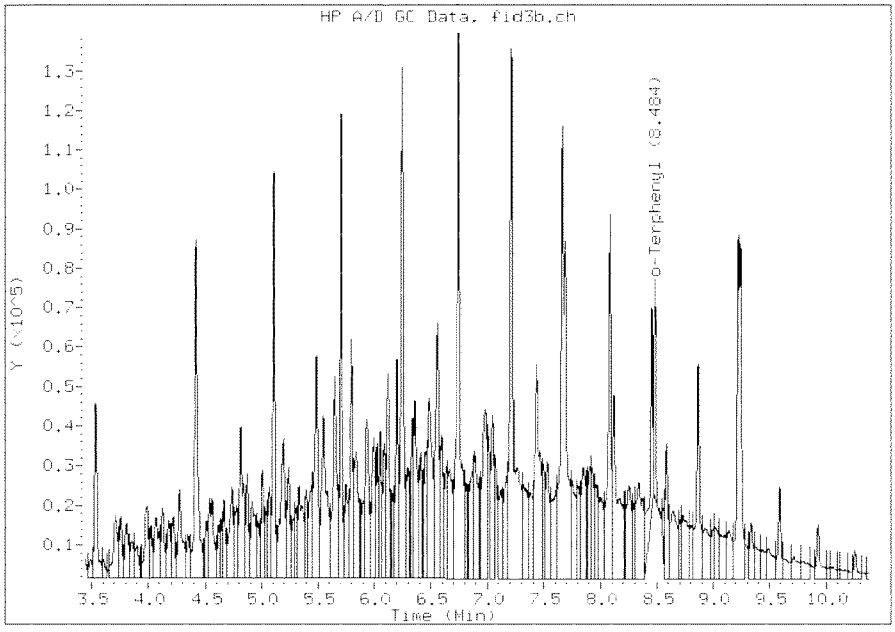
Manual Integration Results

RT: 6.91

Response: 8113715

Amount: 5064.65

Conc: 5064.65



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

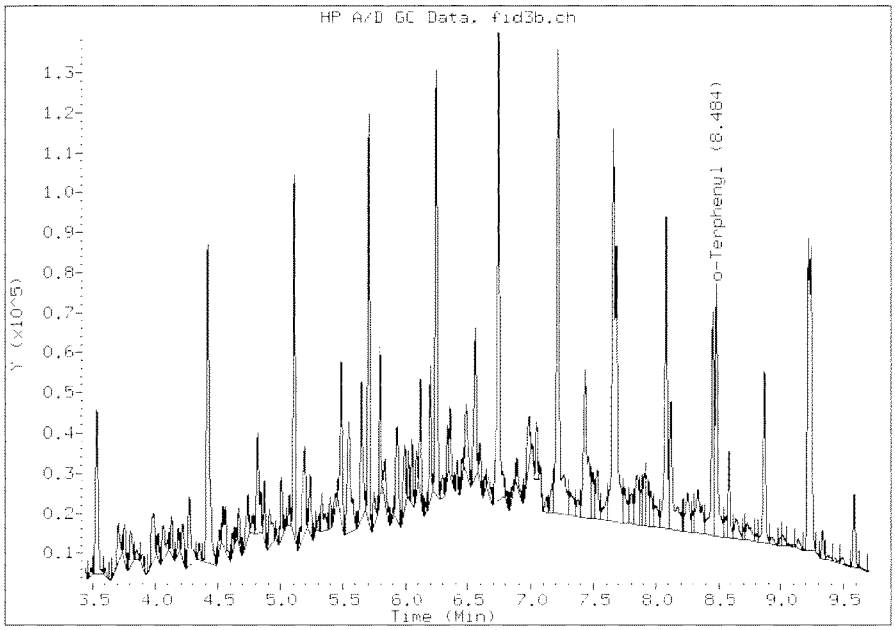
Processing Integration Results

RT: 6.57

Response: 3027695

Amount: 2964.26

Conc: 2964.26



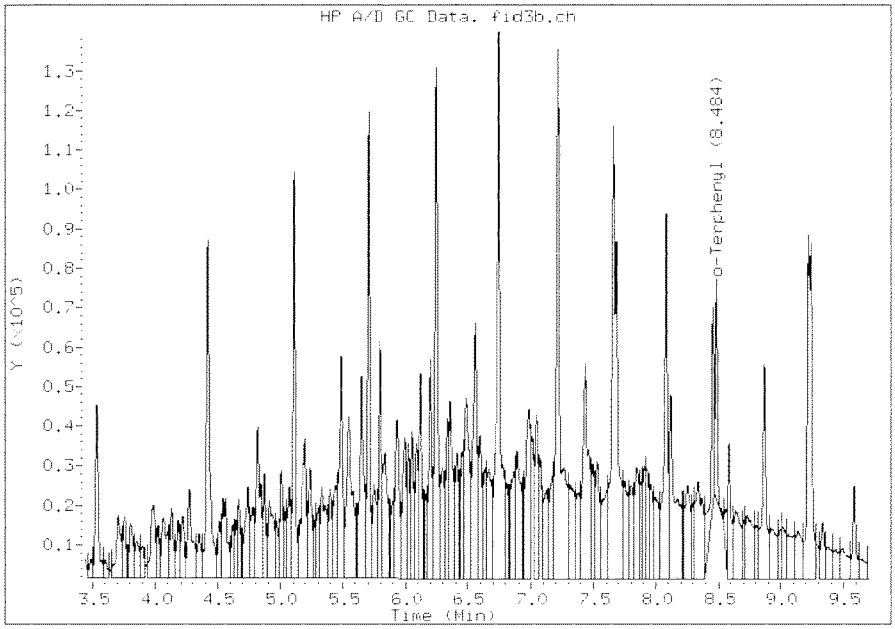
Manual Integration Results

RT: 6.57

Response: 7969267

Amount: 5056.46

Conc: 5056.46



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

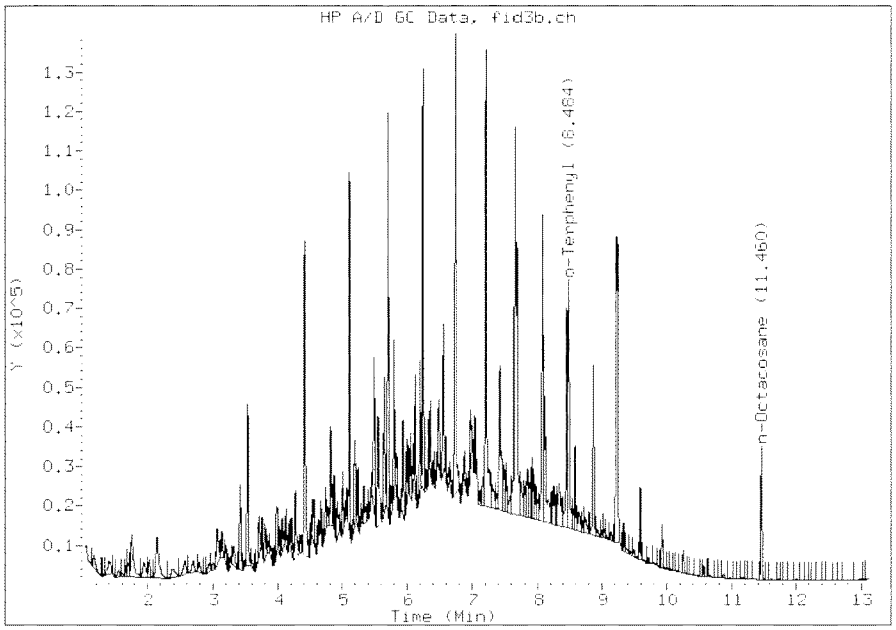
Processing Integration Results

RT: 7.08

Response: 3383826

Amount: 4704.24

Conc: 4704.24



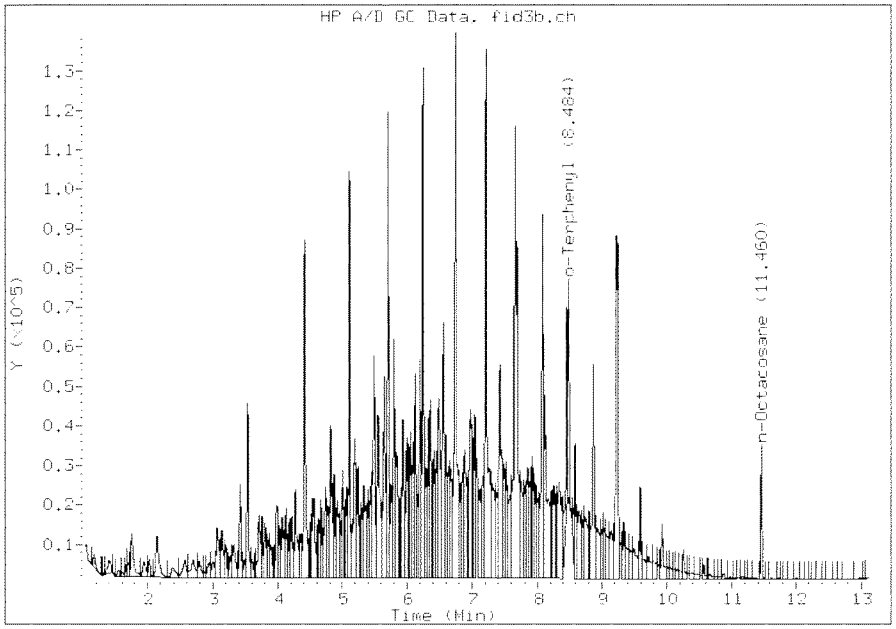
Manual Integration Results

RT: 7.08

Response: 8639339

Amount: 5059.75

Conc: 5059.75



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

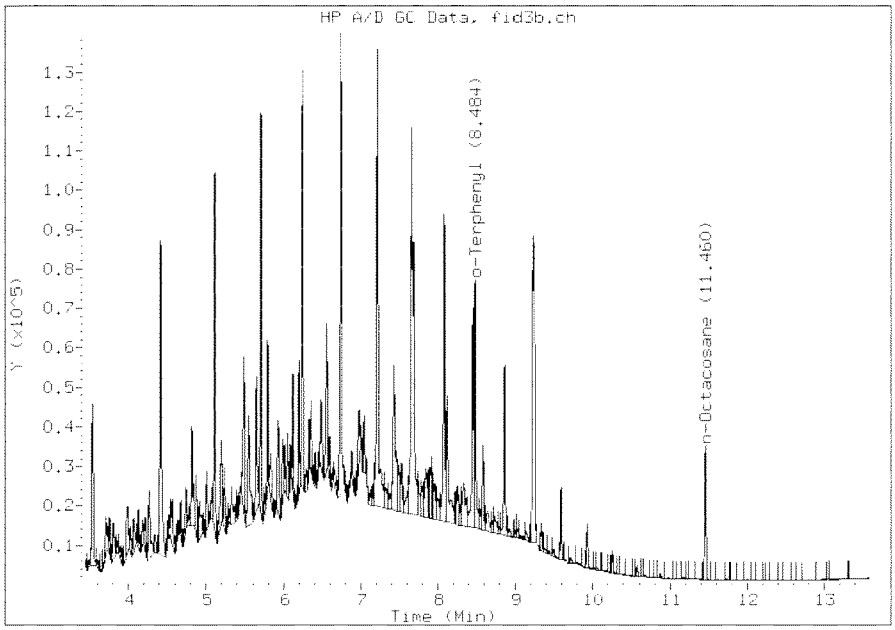
Processing Integration Results

RT: 8.51

Response: 3067892

Amount: 2942.05

Conc: 2942.05



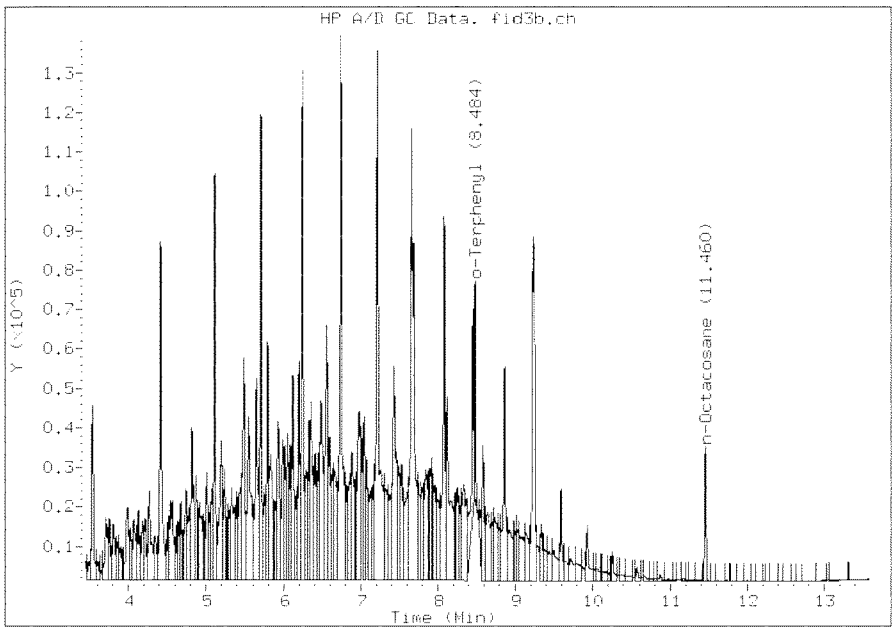
Manual Integration Results

RT: 8.51

Response: 8154097

Amount: 5064.24

Conc: 5064.24



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

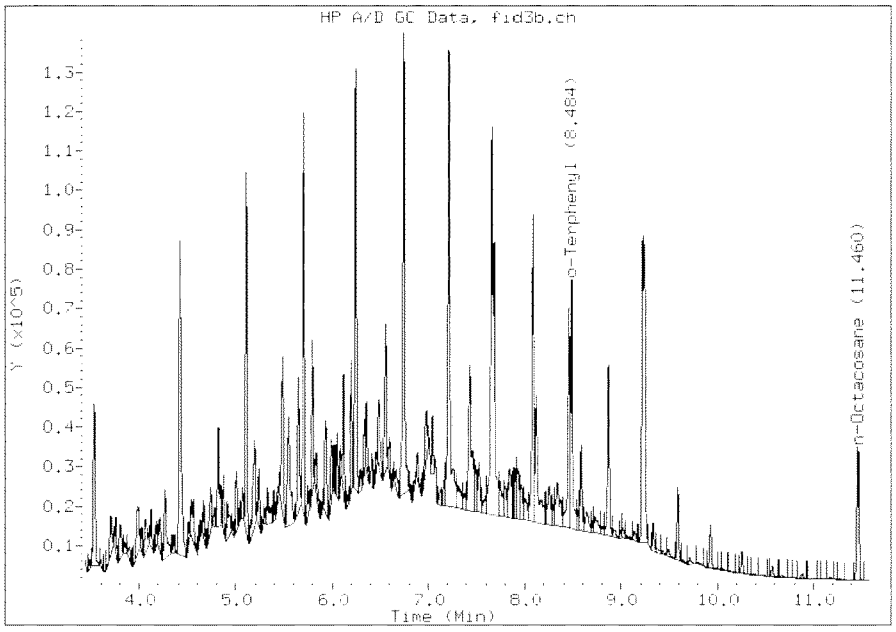
Processing Integration Results

RT: 7.51

Response: 3066448

Amount: 2943.93

Conc: 2943.93



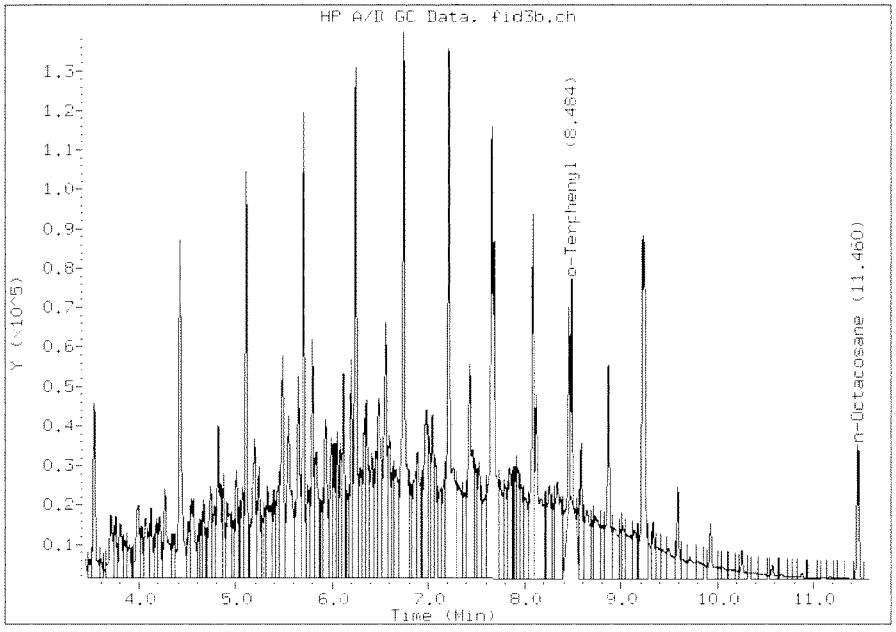
Manual Integration Results

RT: 7.51

Response: 8152017

Amount: 5066.65

Conc: 5066.65



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 04/30/2012

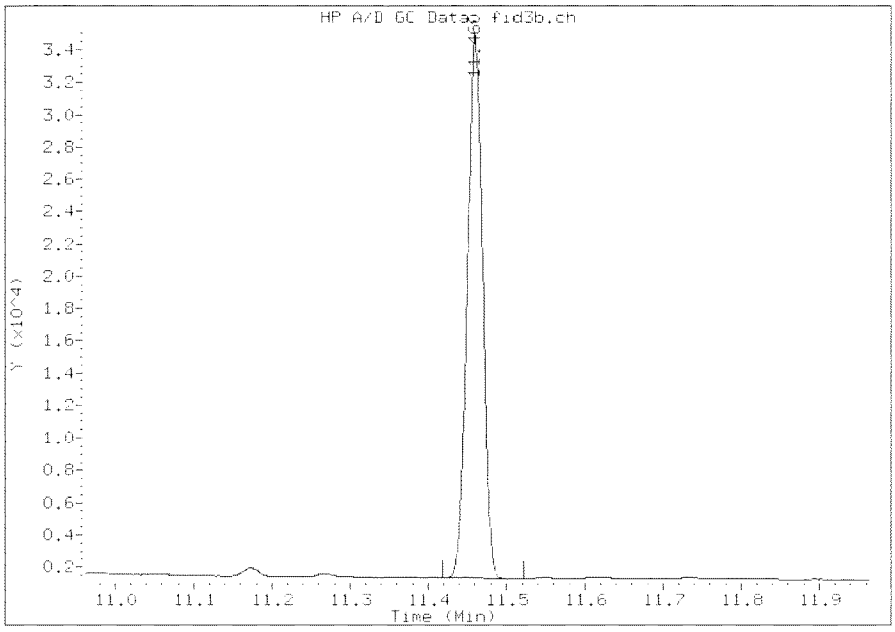
Processing Integration Results

RT: 11.46

Response: 45490

Amount: 24.23

Conc: 24.23



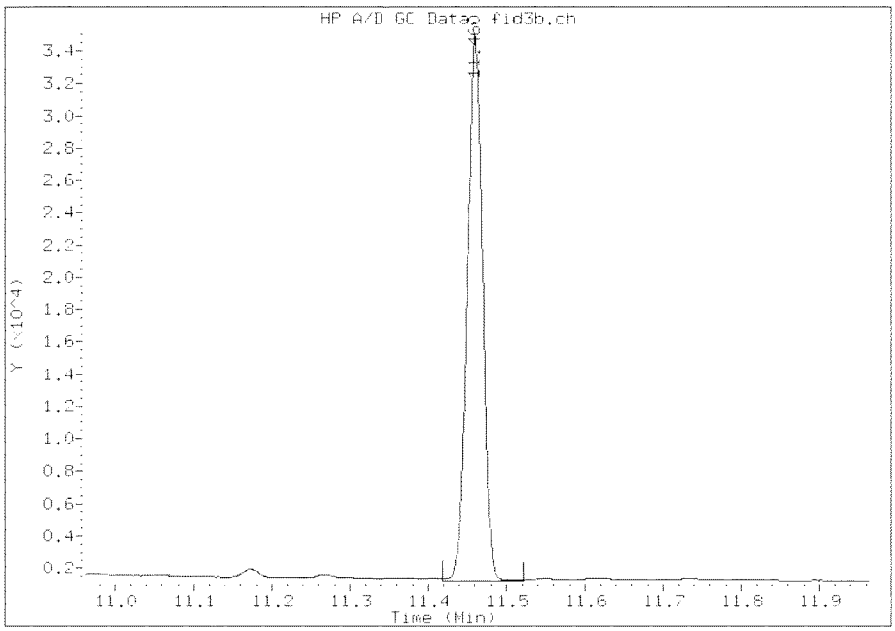
Manual Integration Results

RT: 11.46

Response: 45943

Amount: 24.42

Conc: 24.42



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

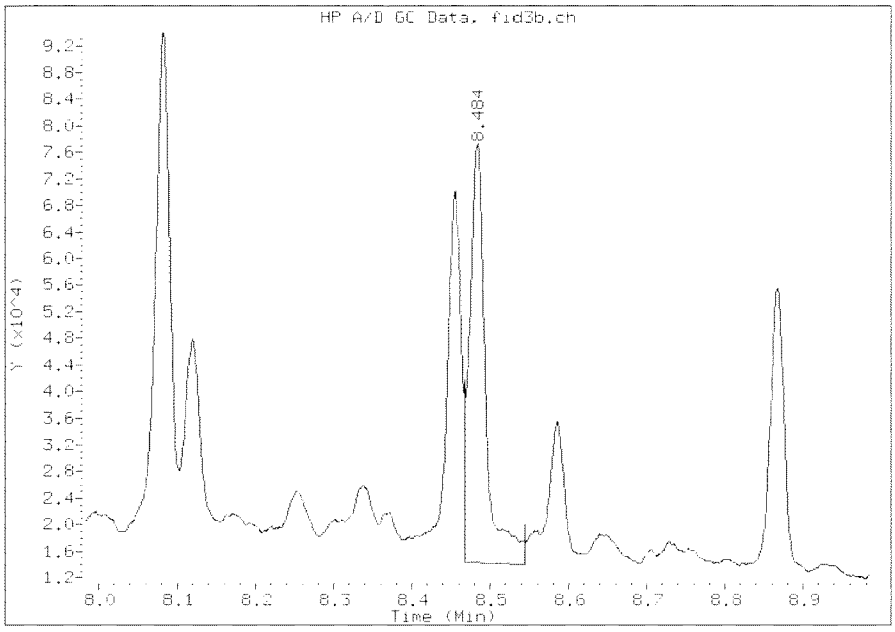
Processing Integration Results

RT: 8.48

Response: 89291

Amount: 29.14

Conc: 29.14



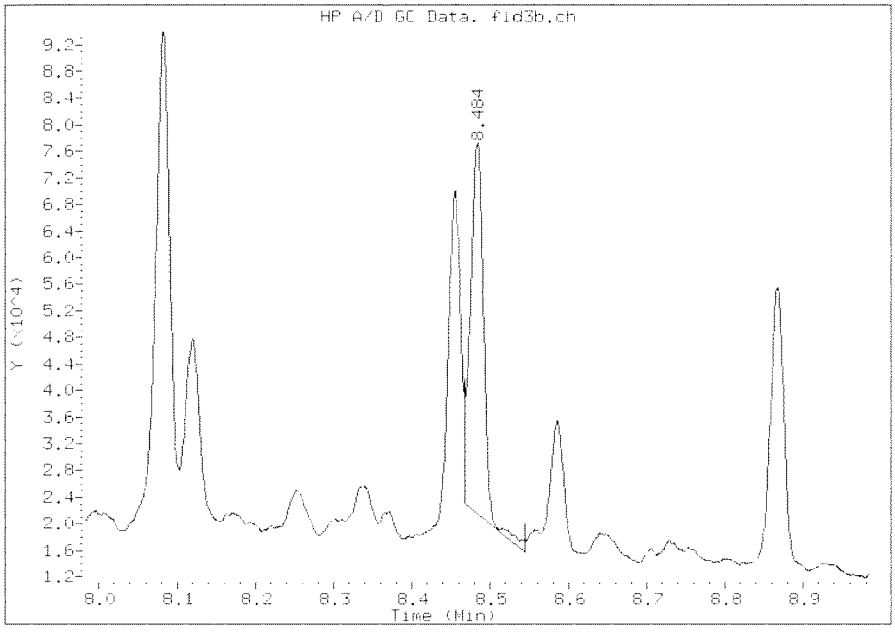
Manual Integration Results

RT: 8.48

Response: 65595

Amount: 23.85

Conc: 23.85



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

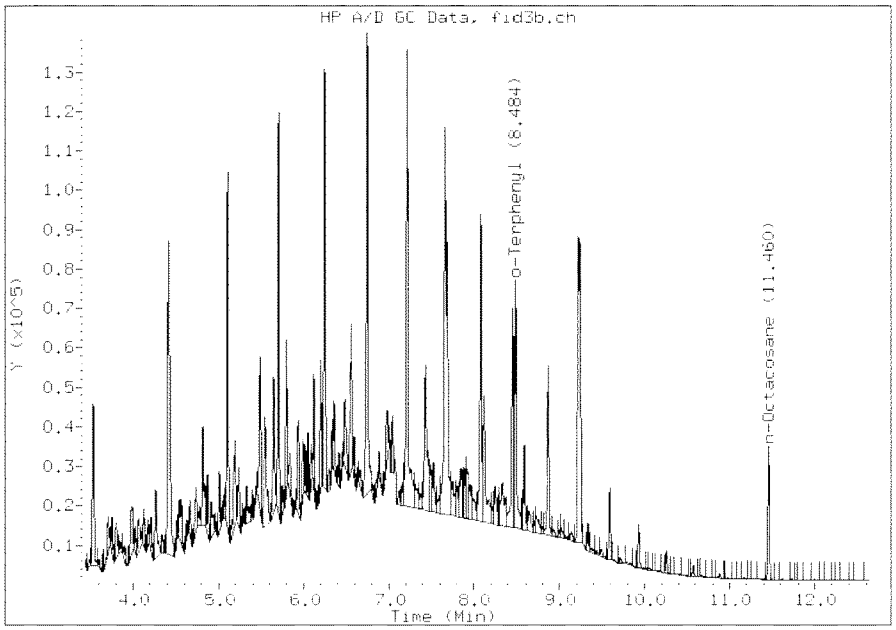
Processing Integration Results

RT: 8.04

Response: 3067571

Amount: 2943.06

Conc: 2943.06



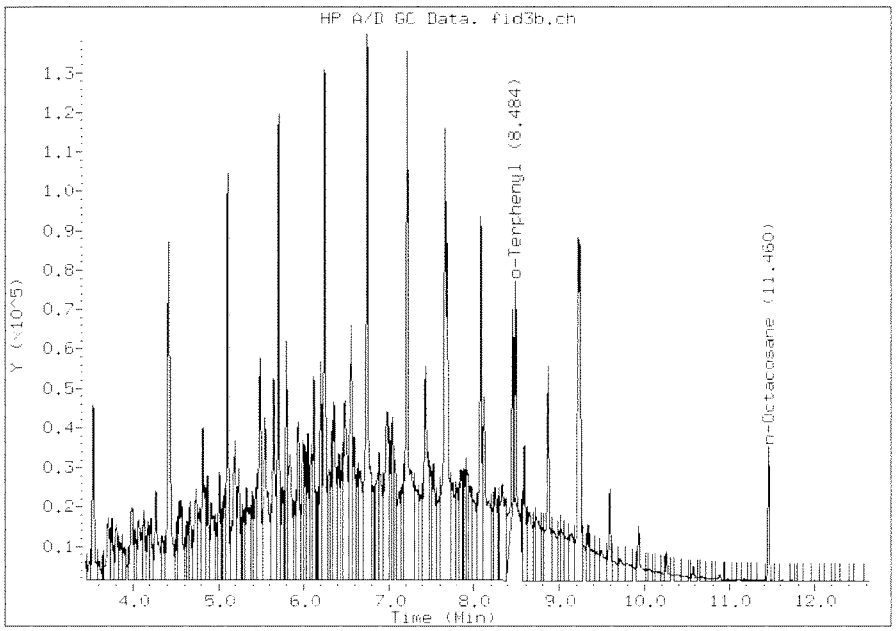
Manual Integration Results

RT: 8.04

Response: 8153776

Amount: 5065.51

Conc: 5065.51



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 007B0701.D
Inj. Date and Time: 26-APR-2012 16:47
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

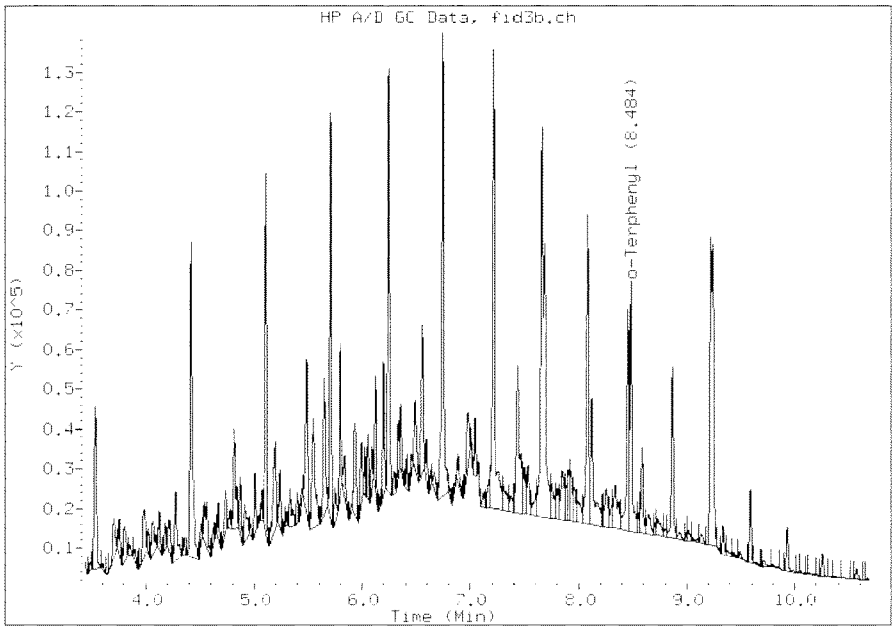
Processing Integration Results

RT: 7.06

Response: 3062436

Amount: 2946.12

Conc: 2946.12



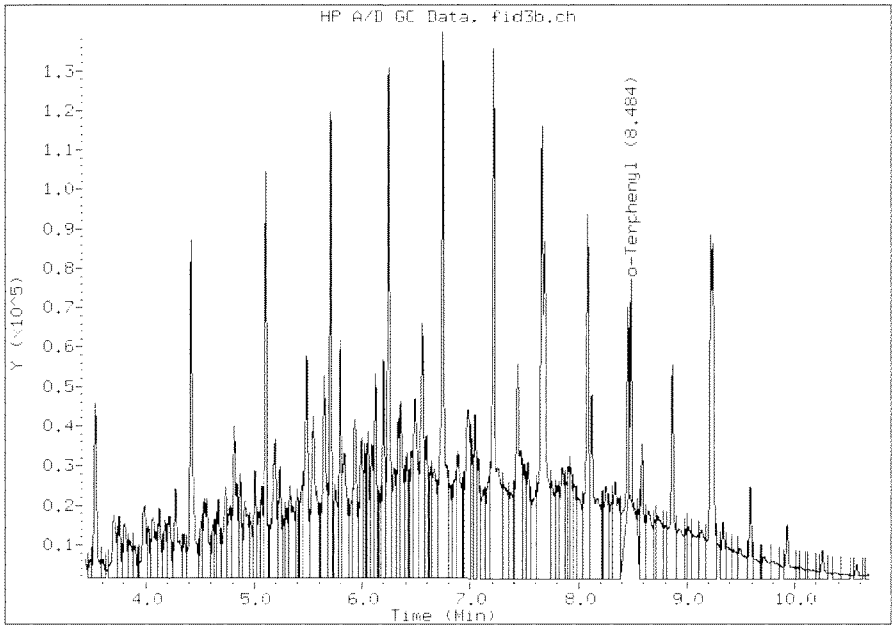
Manual Integration Results

RT: 7.06

Response: 8134131

Amount: 5065.16

Conc: 5065.16



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Data File: 008B0801.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\008B0801.D
Lab Smp Id: IC-1378338
Inj Date : 26-APR-2012 17:12
Operator : MB Inst ID: GC_U2.i
Smp Info : IC-1378338,L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 16:47 Cal File: 007B0701.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142	-13.009		1734035	1000.00	1016(M)
S 3 C10-C22	3.545	-9.598		1602557	1000.00	1017(M)
S 2 C10-C24	3.545	-10.272		1628777	1000.00	1017(M)
S 5 C10-25	3.545	-10.578		1632477	1000.00	1016(M)
S 8 C10-C28	3.545	-11.467		1635694	1000.00	1017(M)
S 196 C12-C24	5.117	-10.272		1371616	1000.00	1013(M)
S 194 C10-C32	3.545	-12.526		1636045	1000.00	1016(M)
S 9 C10-C36	3.545	-13.467		1636265	1000.00	1016(M)
$ 1 o-Terphenyl	8.478	8.484	-0.006	14915	5.00000	5.423(M)
S 195 C10-C38	3.545	-13.913		1640035	1000.00	1016(M)
$ 11 n-Octacosane	11.455	11.463	-0.008	9450	5.00000	5.023(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 008B0801.D

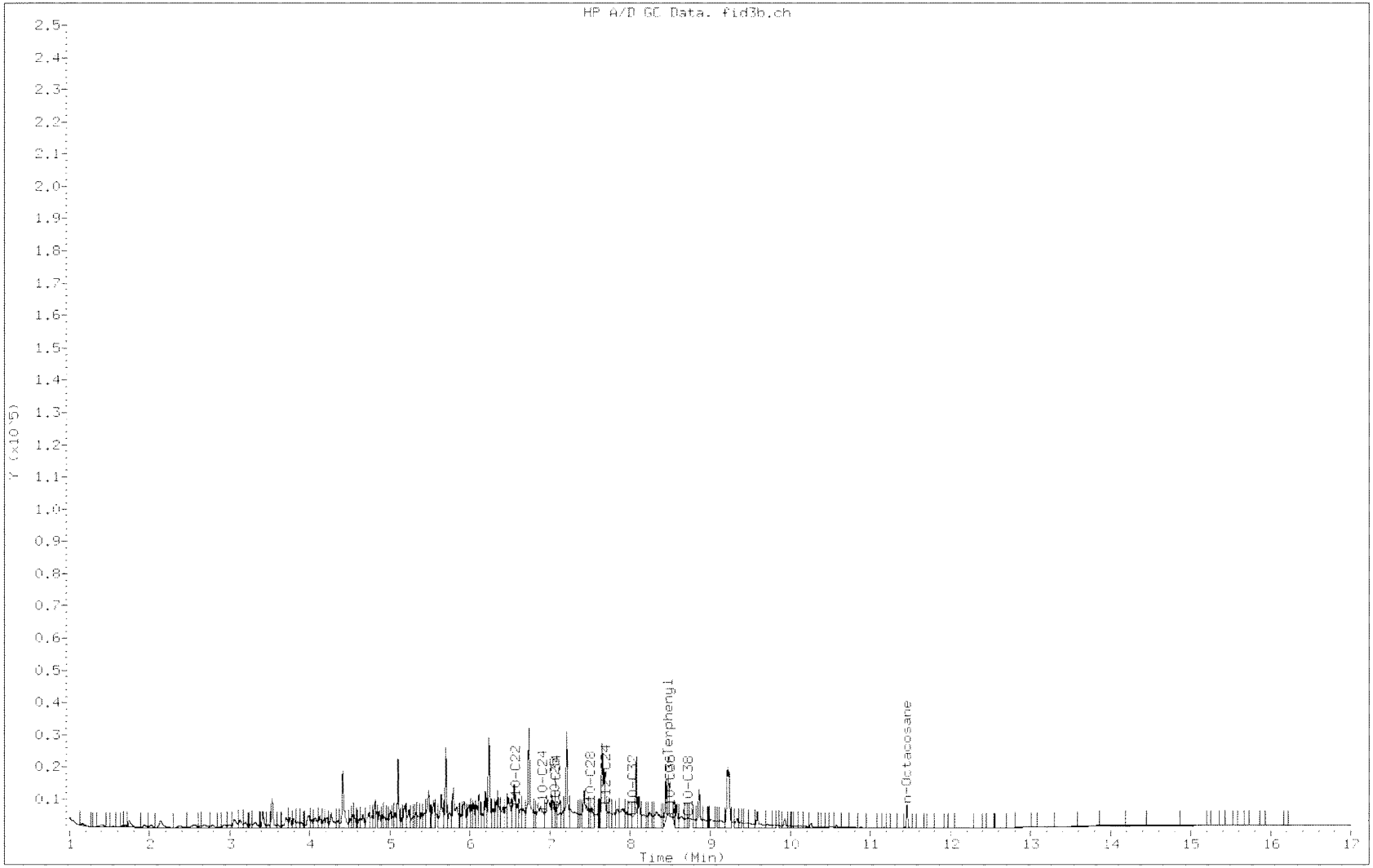
Date: 26-APR-2012 17:12

Client ID:

Instrument: GC_U2.i

Sample Info: IC-1378338,L3

Operator: MB



Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

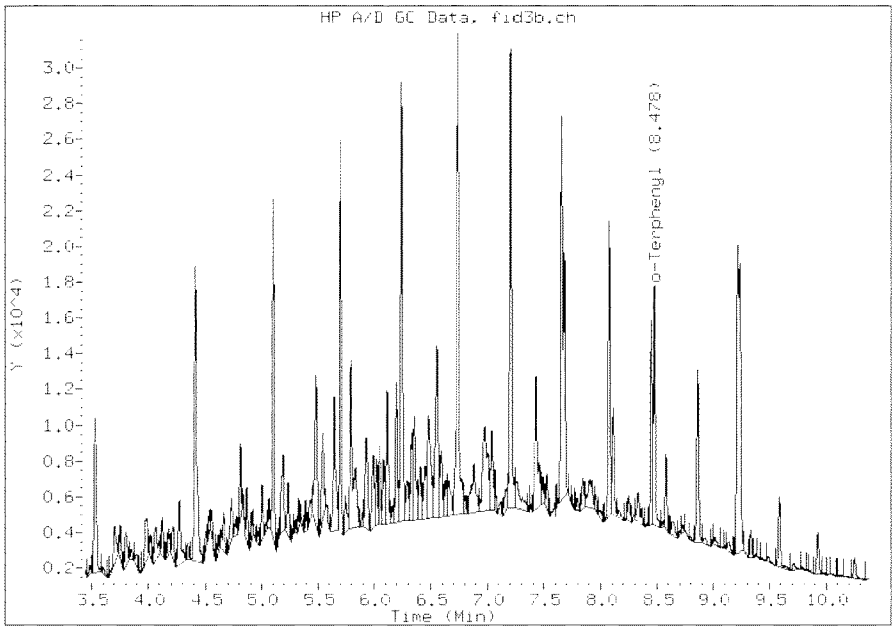
Processing Integration Results

RT: 6.91

Response: 642385

Amount: 543.71

Conc: 543.71



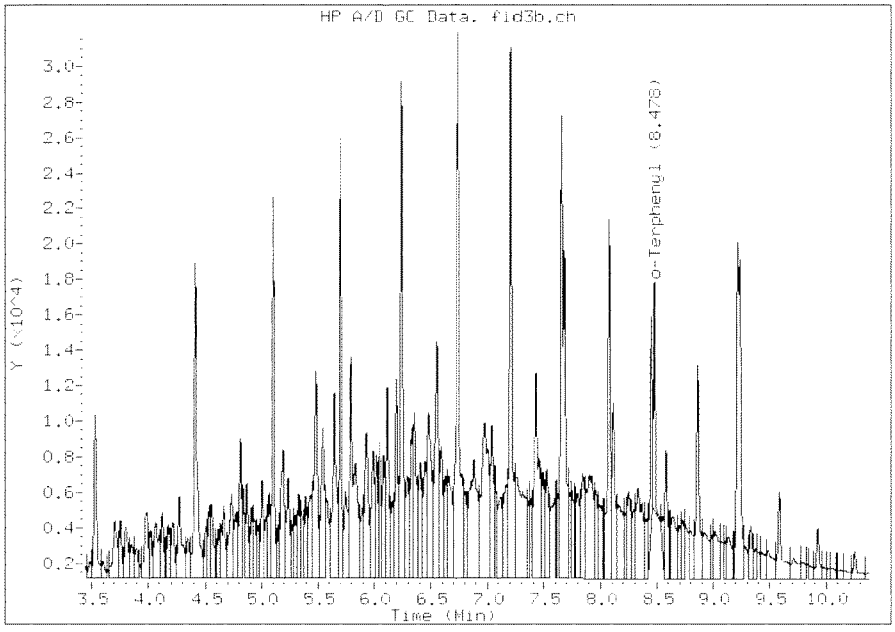
Manual Integration Results

RT: 6.91

Response: 1628777

Amount: 1016.70

Conc: 1016.70



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

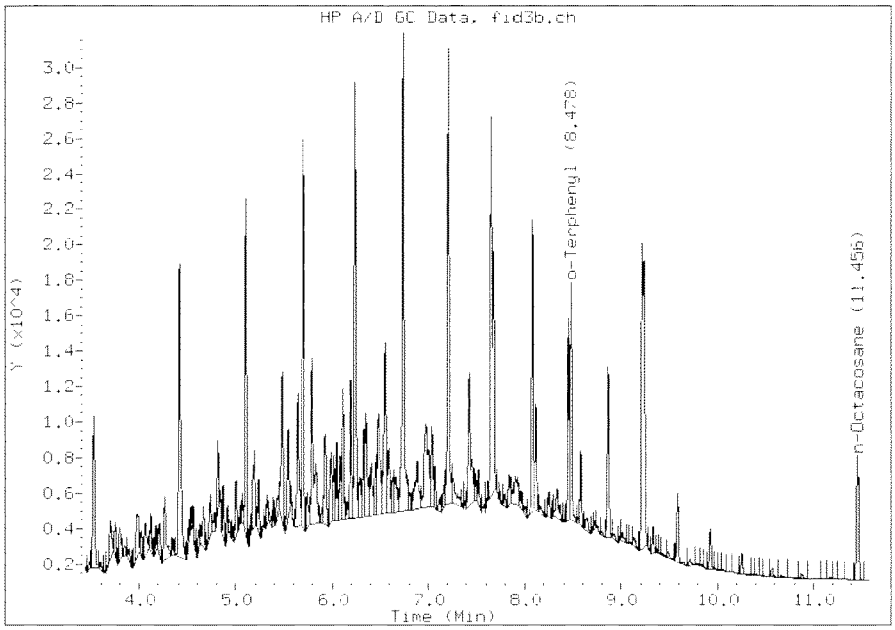
Processing Integration Results

RT: 7.51

Response: 644174

Amount: 542.73

Conc: 542.73



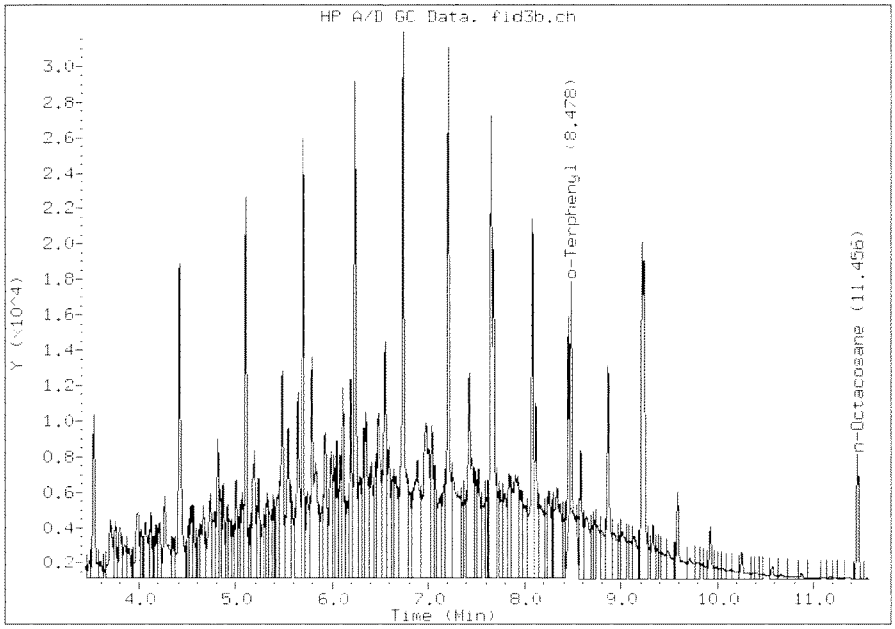
Manual Integration Results

RT: 7.51

Response: 1635694

Amount: 1016.62

Conc: 1016.62



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

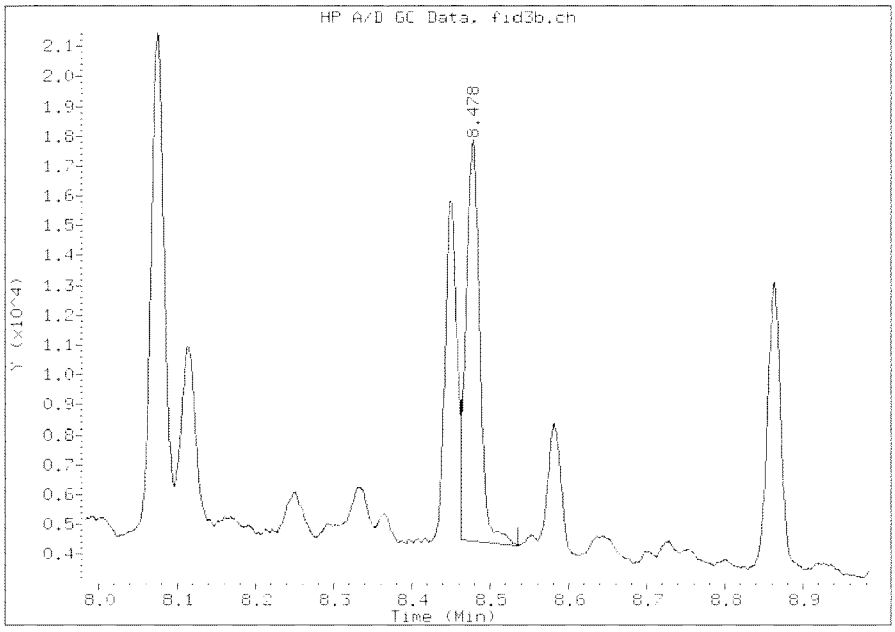
Processing Integration Results

RT: 8.48

Response: 16223

Amount: 5.58

Conc: 5.58



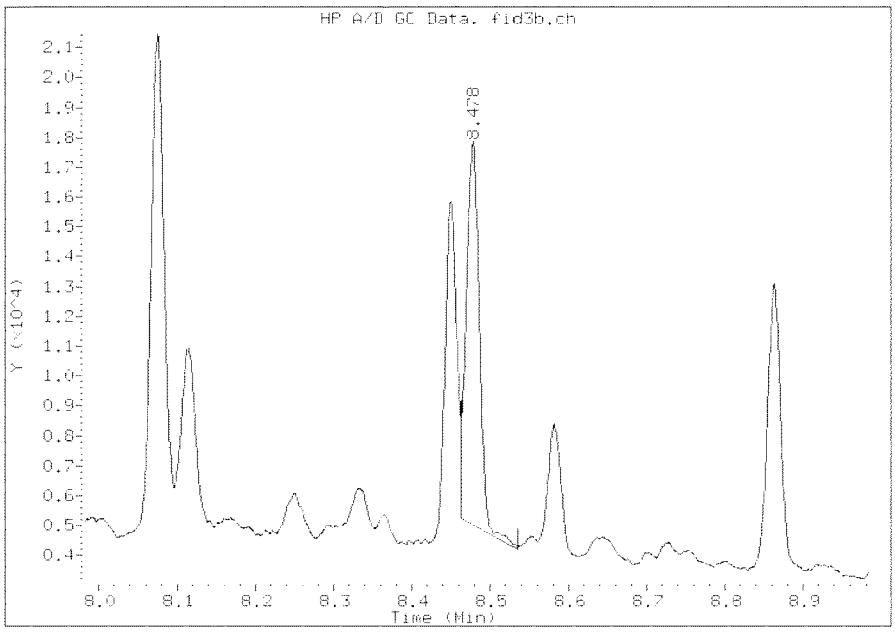
Manual Integration Results

RT: 8.48

Response: 14915

Amount: 5.42

Conc: 5.42



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

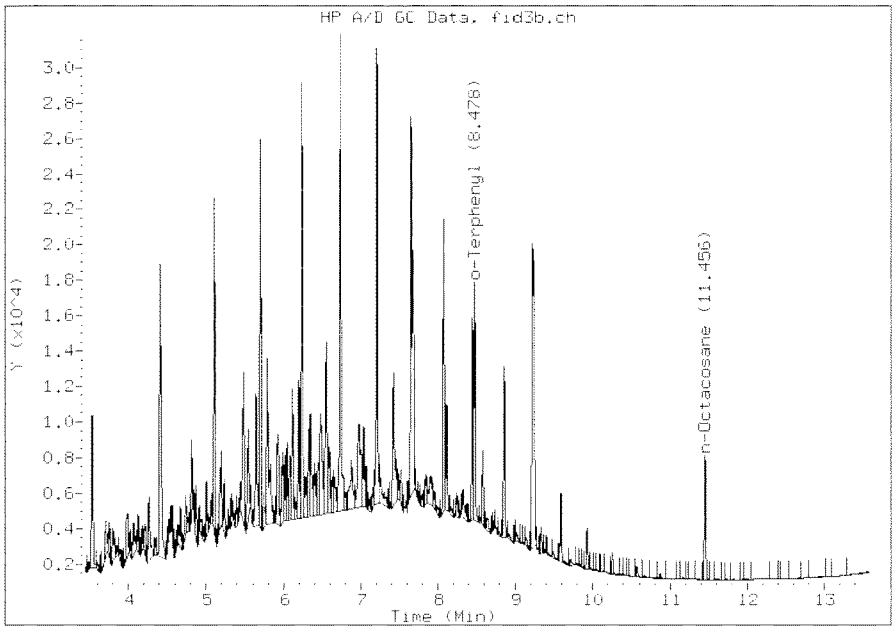
Processing Integration Results

RT: 8.51

Response: 644733

Amount: 542.66

Conc: 542.66



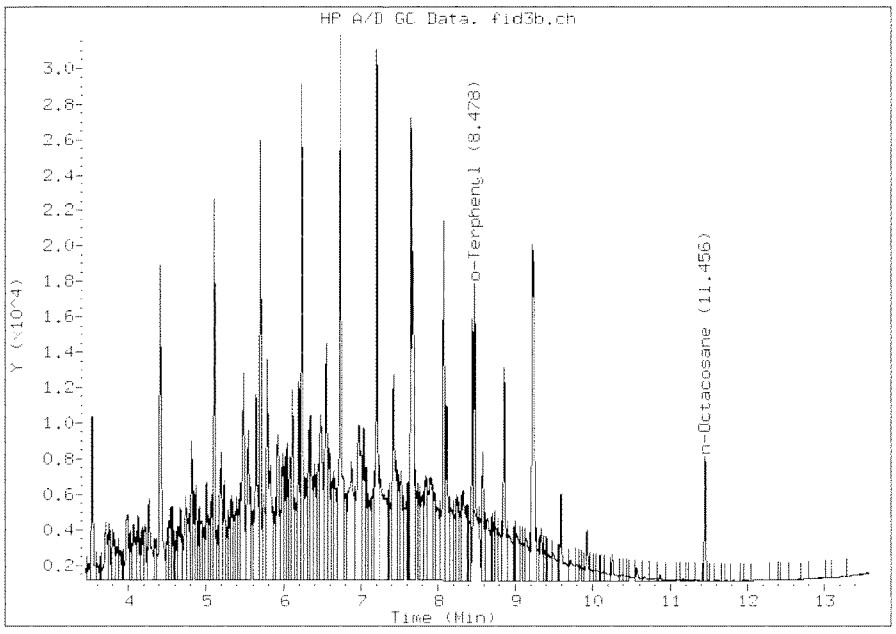
Manual Integration Results

RT: 8.51

Response: 1636265

Amount: 1016.23

Conc: 1016.23



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

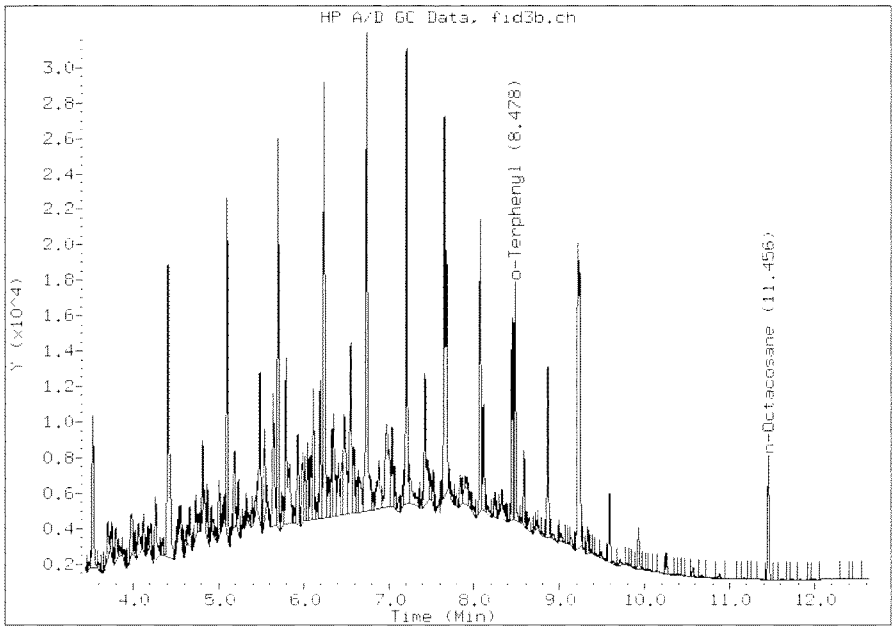
Processing Integration Results

RT: 8.04

Response: 644514

Amount: 542.69

Conc: 542.69



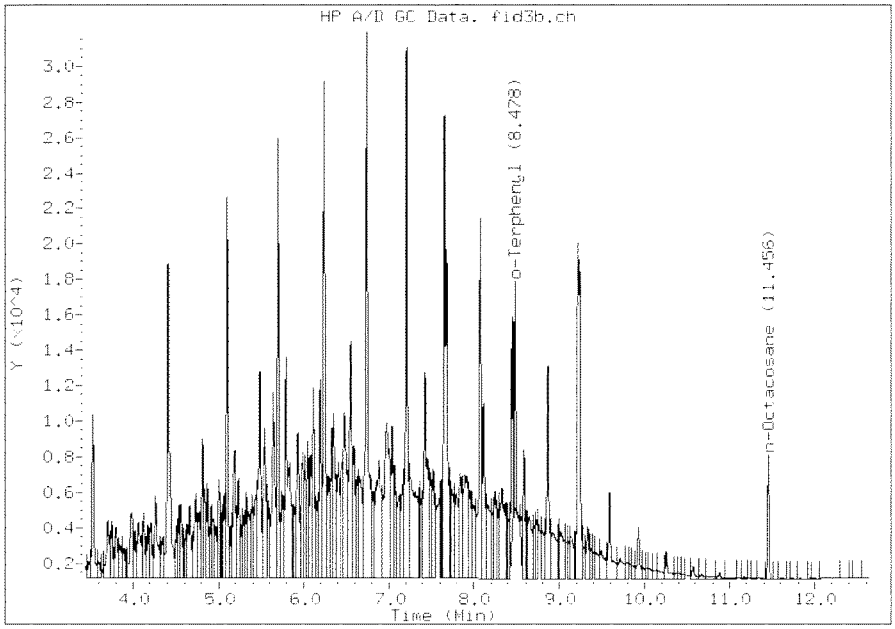
Manual Integration Results

RT: 8.04

Response: 1636045

Amount: 1016.39

Conc: 1016.39



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

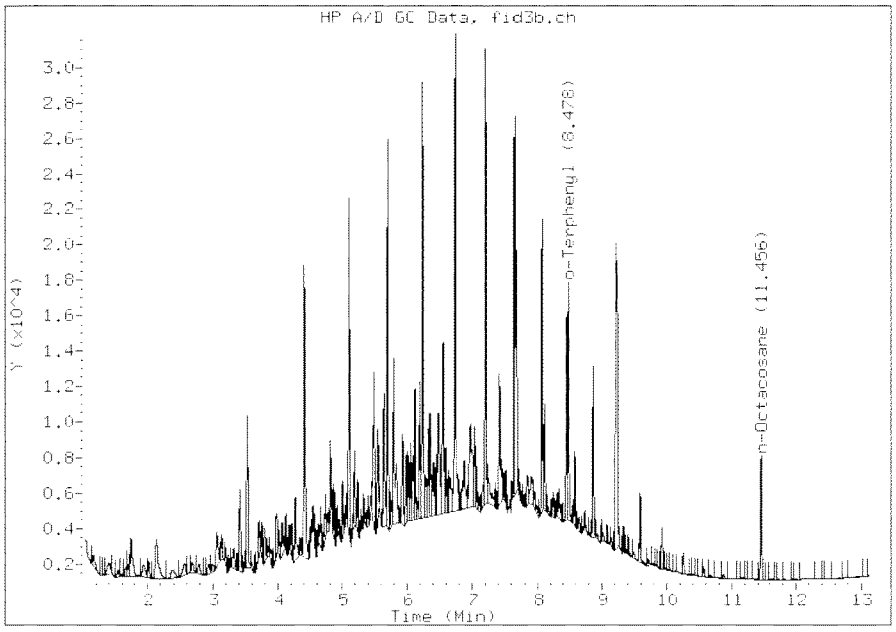
Processing Integration Results

RT: 7.08

Response: 708679

Amount: 987.05

Conc: 987.05



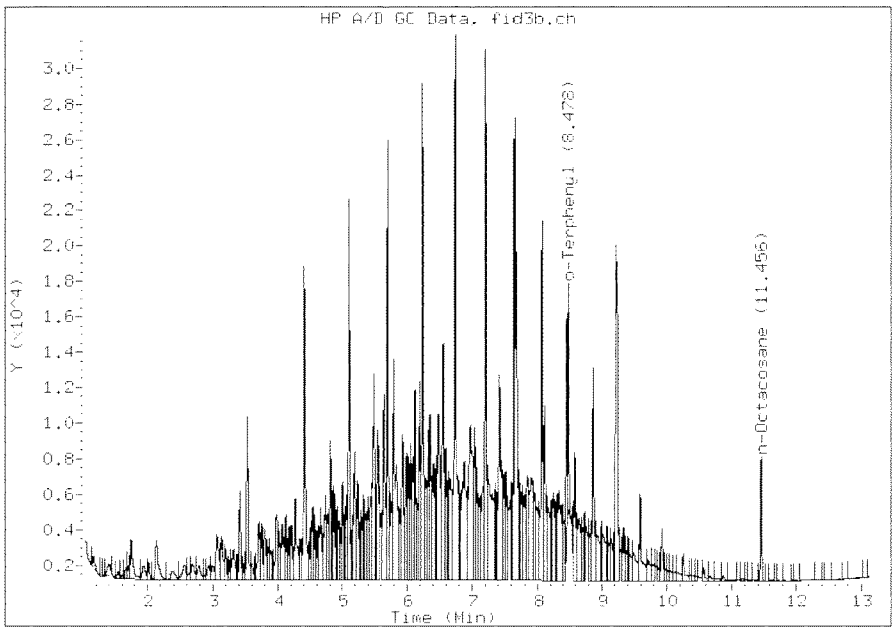
Manual Integration Results

RT: 7.08

Response: 1734035

Amount: 1015.56

Conc: 1015.56



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 04/30/2012

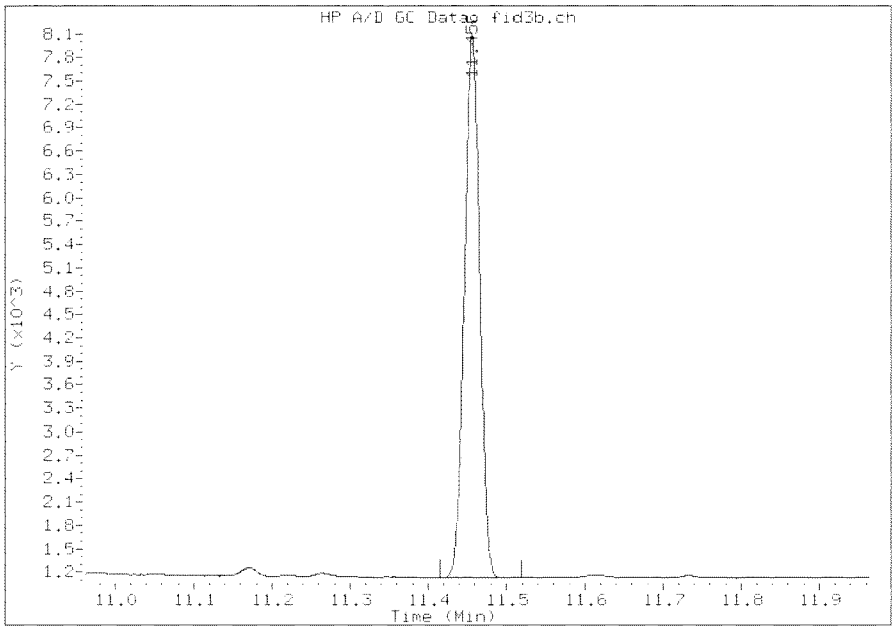
Processing Integration Results

RT: 11.46

Response: 9410

Amount: 5.01

Conc: 5.01



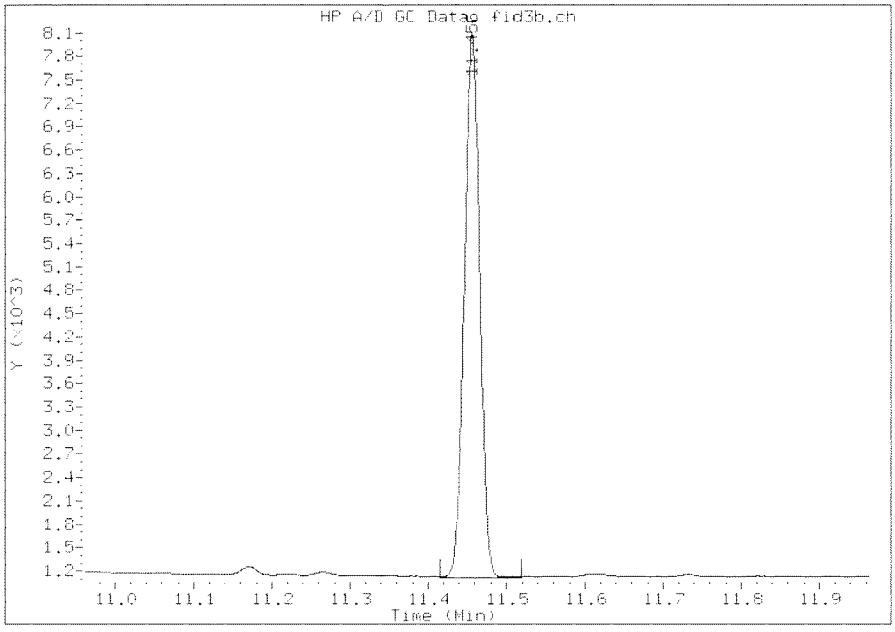
Manual Integration Results

RT: 11.46

Response: 9450

Amount: 5.02

Conc: 5.02



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

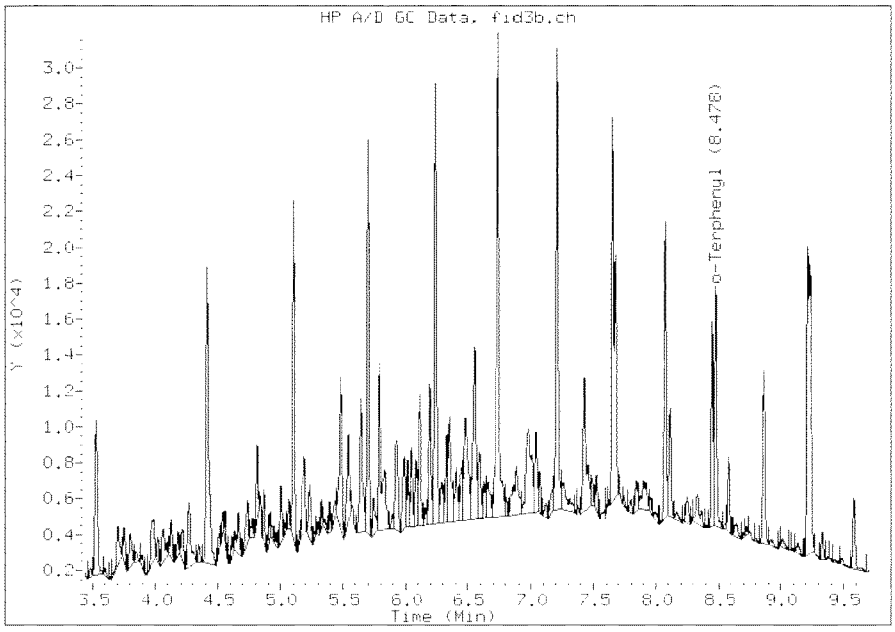
Processing Integration Results

RT: 6.57

Response: 636497

Amount: 547.48

Conc: 547.48



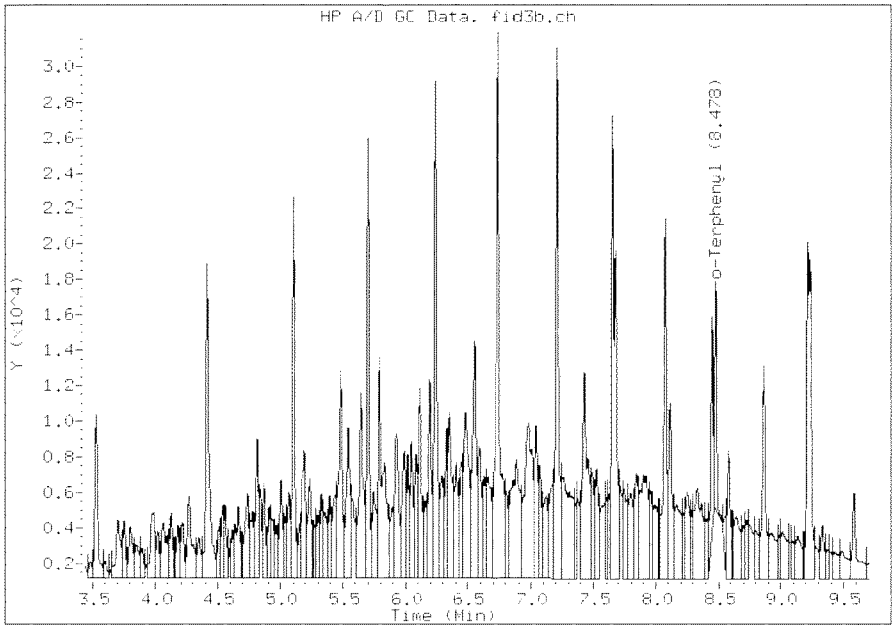
Manual Integration Results

RT: 6.57

Response: 1602557

Amount: 1016.81

Conc: 1016.81



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 008B0801.D
Inj. Date and Time: 26-APR-2012 17:12
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

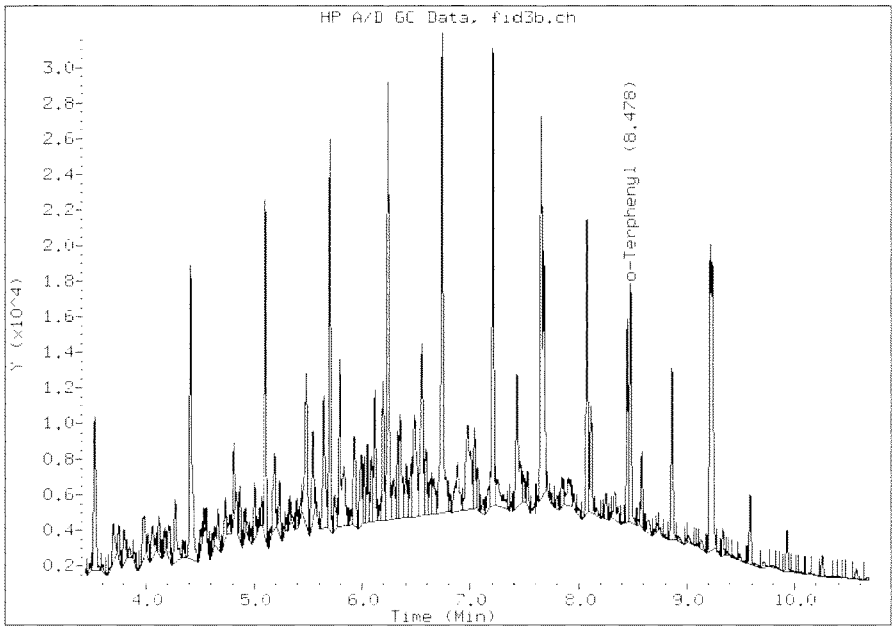
Processing Integration Results

RT: 7.06

Response: 643287

Amount: 543.14

Conc: 543.14



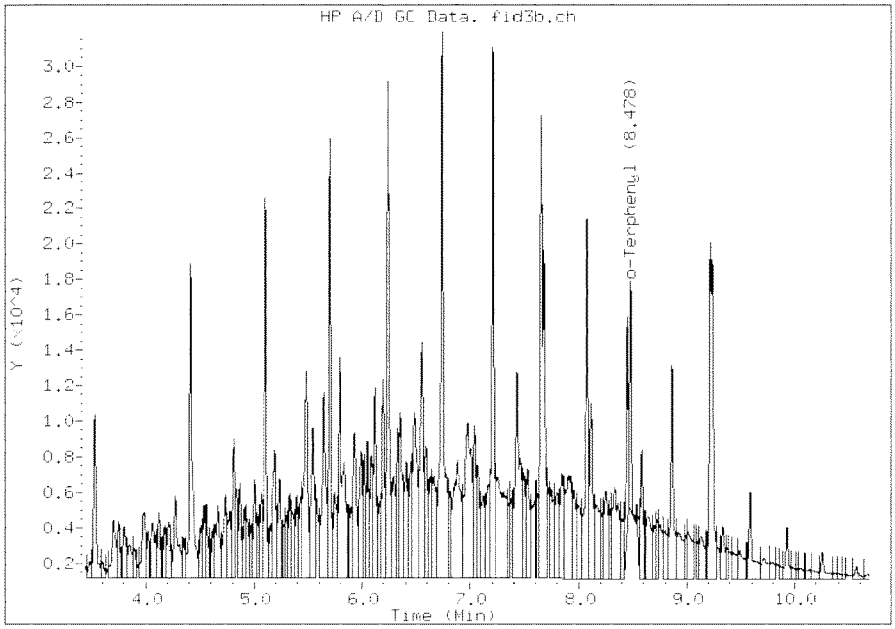
Manual Integration Results

RT: 7.06

Response: 1632477

Amount: 1016.55

Conc: 1016.55



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Data File: 009B0901.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\009B0901.D
Lab Smp Id: IC-1378341
Inj Date : 26-APR-2012 17:36
Operator : MB Inst ID: GC_U2.i
Smp Info : IC-1378341,L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 17:12 Cal File: 008B0801.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142	13.009		417669	250.000	244.6(M)
S 3 C10-C22	3.545	9.598		386593	250.000	245.3(M)
S 2 C10-C24	3.545	10.272		393056	250.000	245.3(M)
S 5 C10-25	3.545	10.578		393990	250.000	245.3(M)
S 8 C10-C28	3.545	11.467		394572	250.000	245.2(M)
S 196 C12-C24	5.117	10.272		330307	250.000	244.0(M)
S 194 C10-C32	3.545	12.526		394873	250.000	245.3(M)
S 9 C10-C36	3.545	13.467		395171	250.000	245.4(M)
$ 1 o-Terphenyl	8.477	8.484	-0.007	3659	1.25000	1.330(M)
S 195 C10-C38	3.545	13.913		399125	250.000	247.4(M)
$ 11 n-Octacosane	11.458	11.463	-0.005	2350	1.25000	1.249

QC Flag Legend

M - Compound response manually integrated.

Data File: 009B0901.D

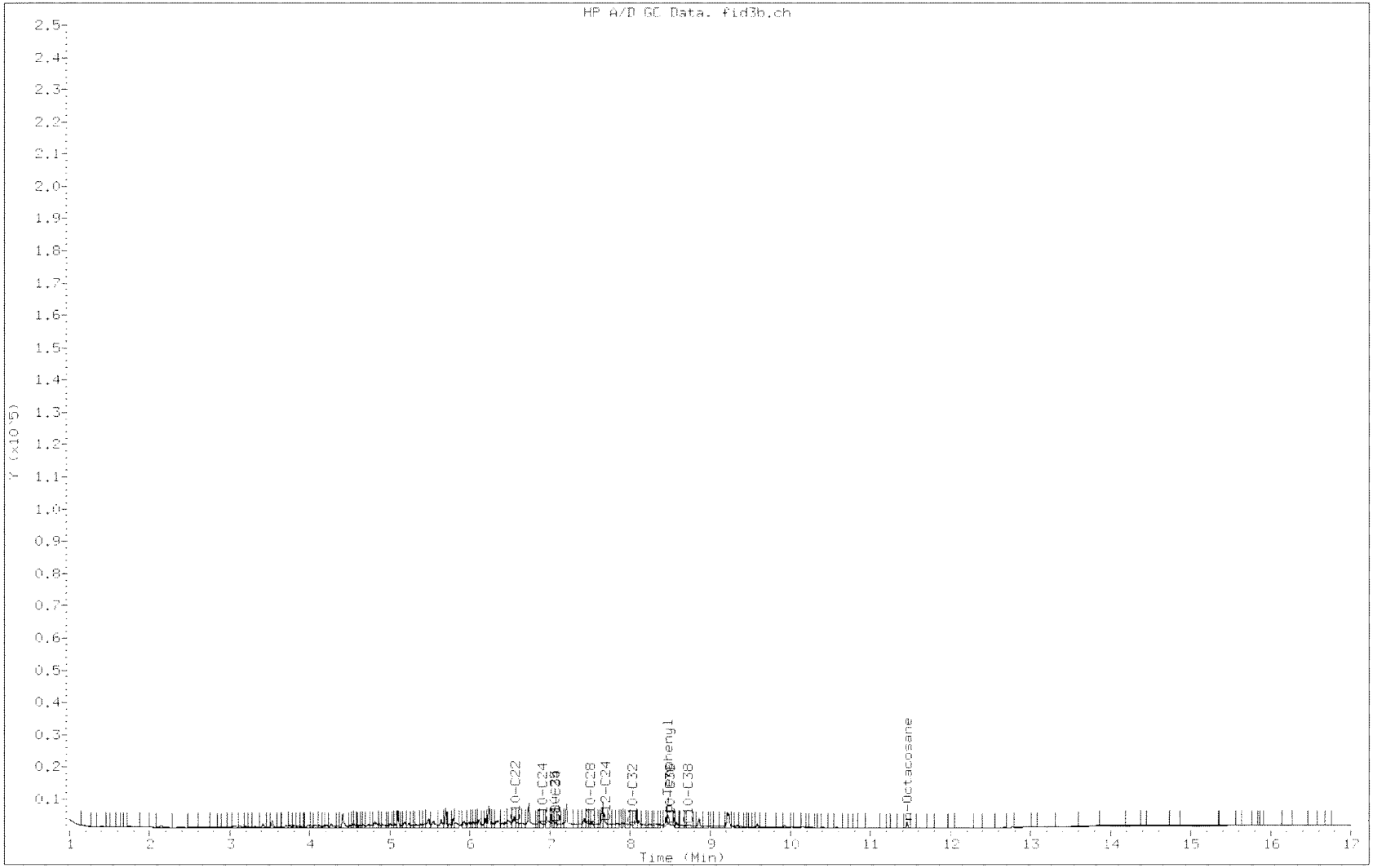
Date: 26-APR-2012 17:36

Client ID:

Instrument: GC_U2.i

Sample Info: IC-1378341,L2

Operator: MB



Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

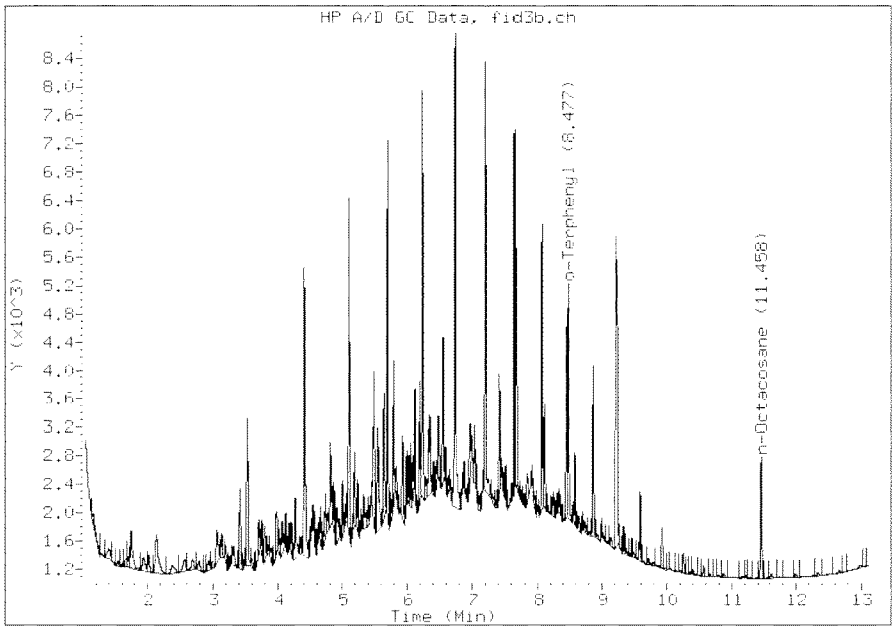
Processing Integration Results

RT: 7.08

Response: 153063

Amount: 213.58

Conc: 213.58



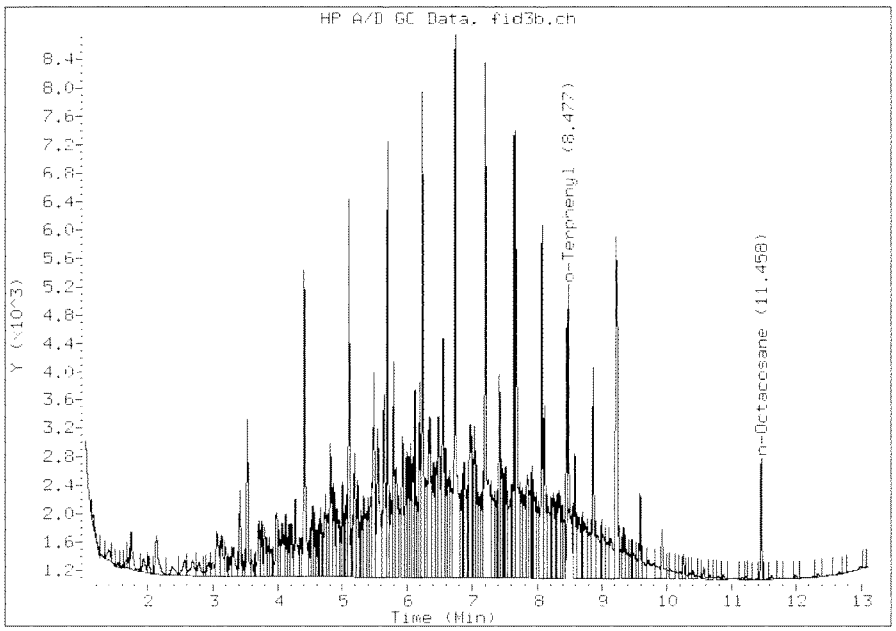
Manual Integration Results

RT: 7.08

Response: 417669

Amount: 244.61

Conc: 244.61



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

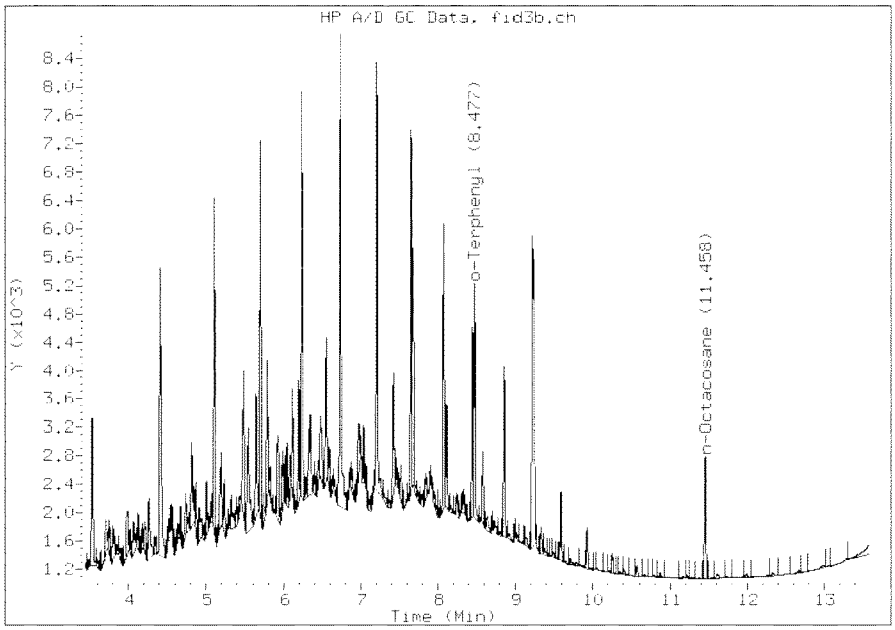
Processing Integration Results

RT: 8.51

Response: 137400

Amount: 209.85

Conc: 209.85



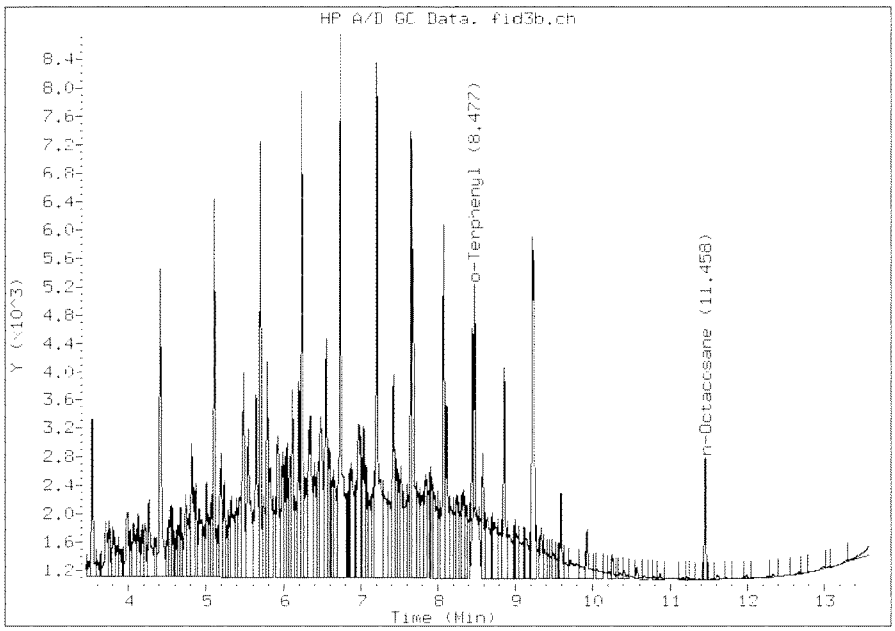
Manual Integration Results

RT: 8.51

Response: 395171

Amount: 245.43

Conc: 245.43



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

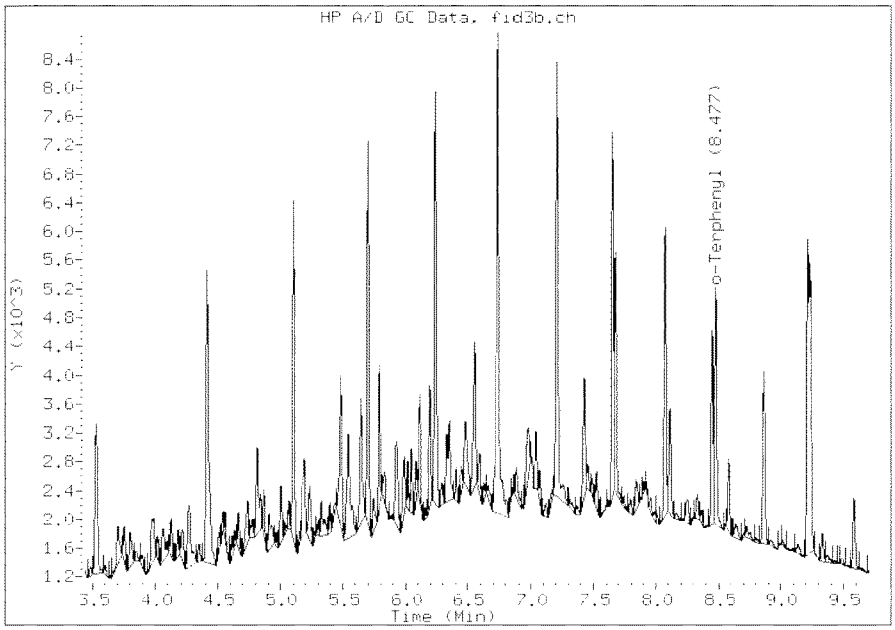
Processing Integration Results

RT: 6.57

Response: 134513

Amount: 208.97

Conc: 208.97



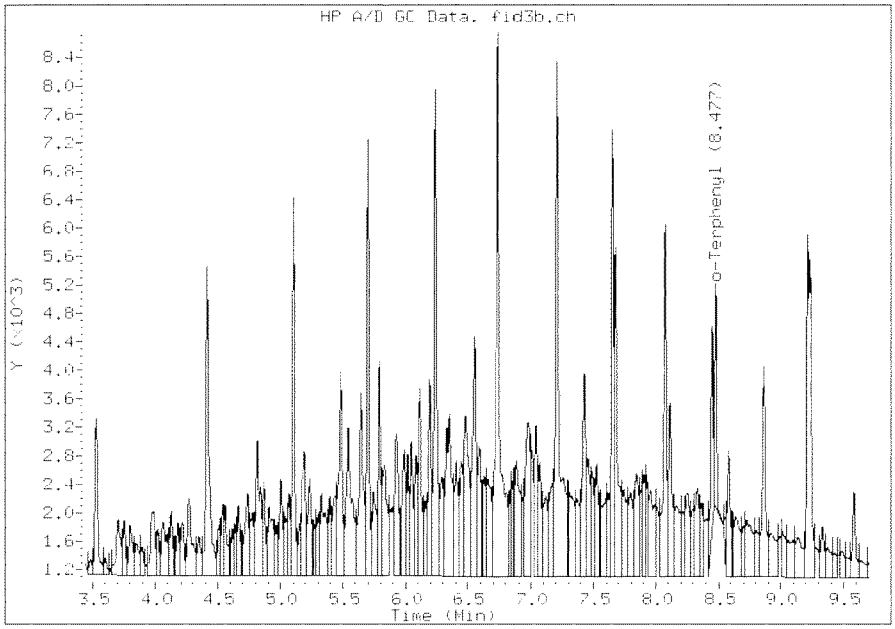
Manual Integration Results

RT: 6.57

Response: 386593

Amount: 245.29

Conc: 245.29



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

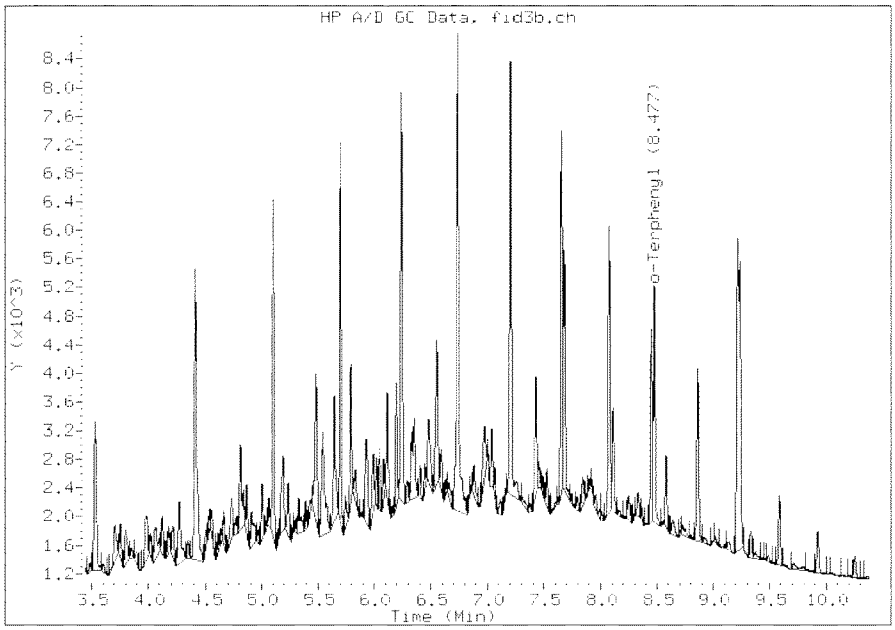
Processing Integration Results

RT: 6.91

Response: 136112

Amount: 209.34

Conc: 209.34



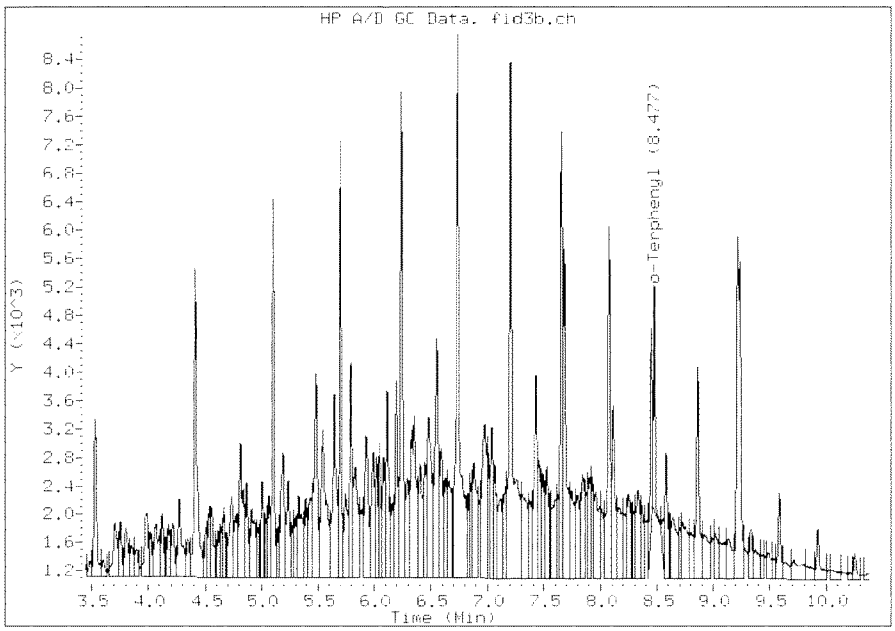
Manual Integration Results

RT: 6.91

Response: 393056

Amount: 245.35

Conc: 245.35



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

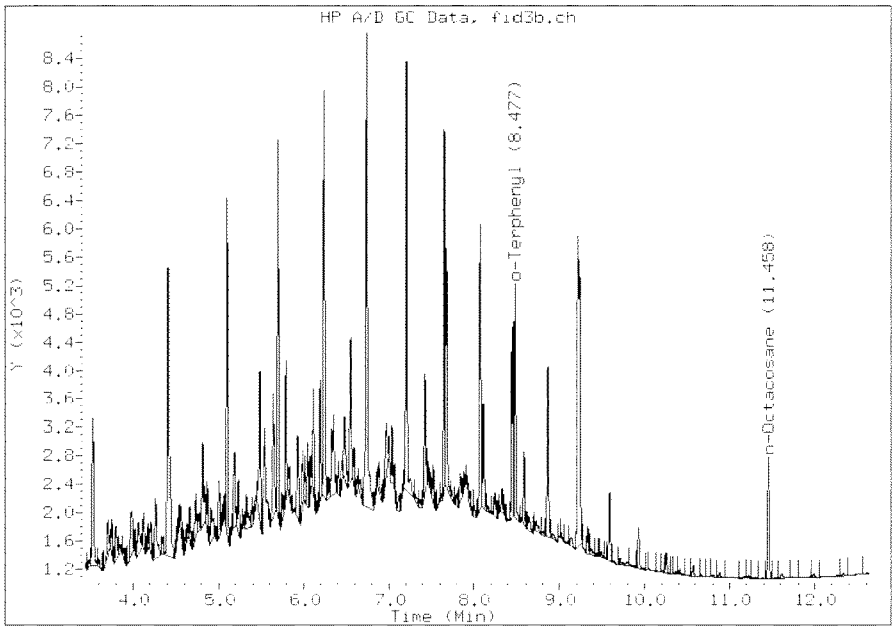
Processing Integration Results

RT: 8.04

Response: 137102

Amount: 209.55

Conc: 209.55



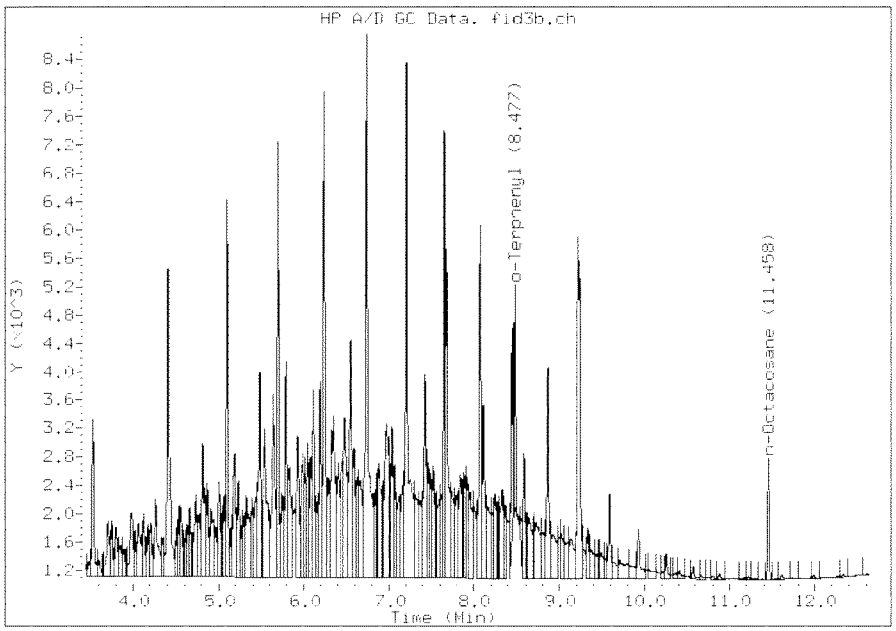
Manual Integration Results

RT: 8.04

Response: 394873

Amount: 245.31

Conc: 245.31



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

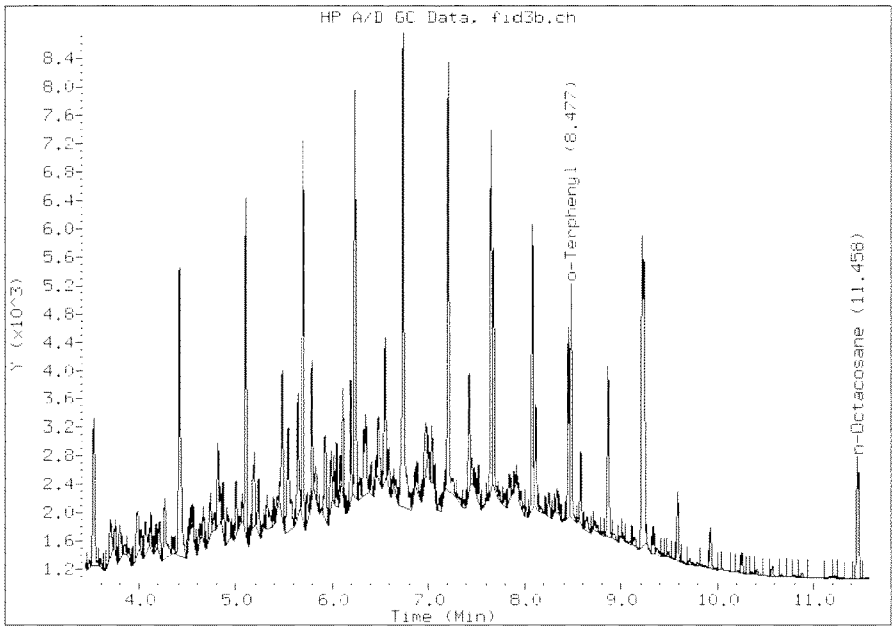
Processing Integration Results

RT: 7.51

Response: 136801

Amount: 209.29

Conc: 209.29



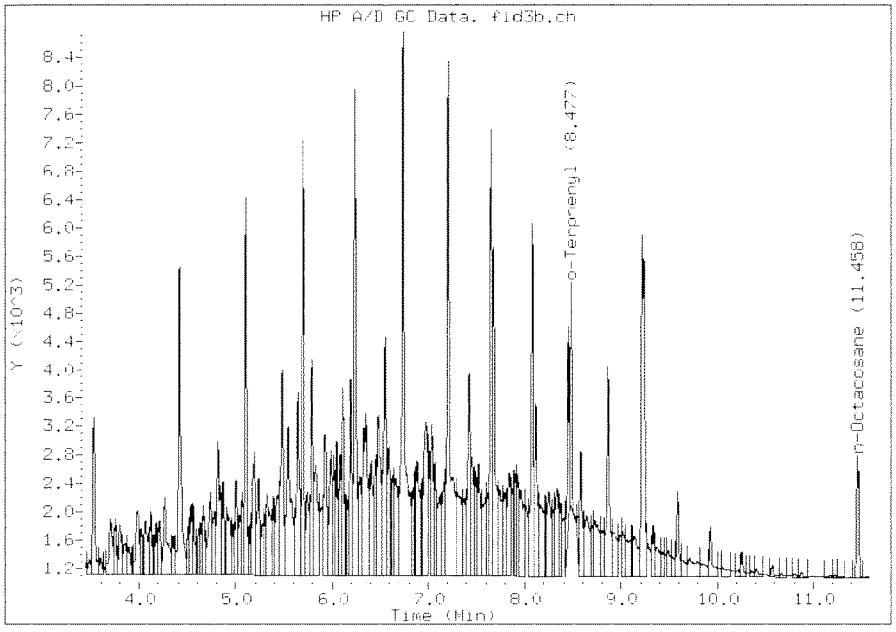
Manual Integration Results

RT: 7.51

Response: 394572

Amount: 245.23

Conc: 245.23



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

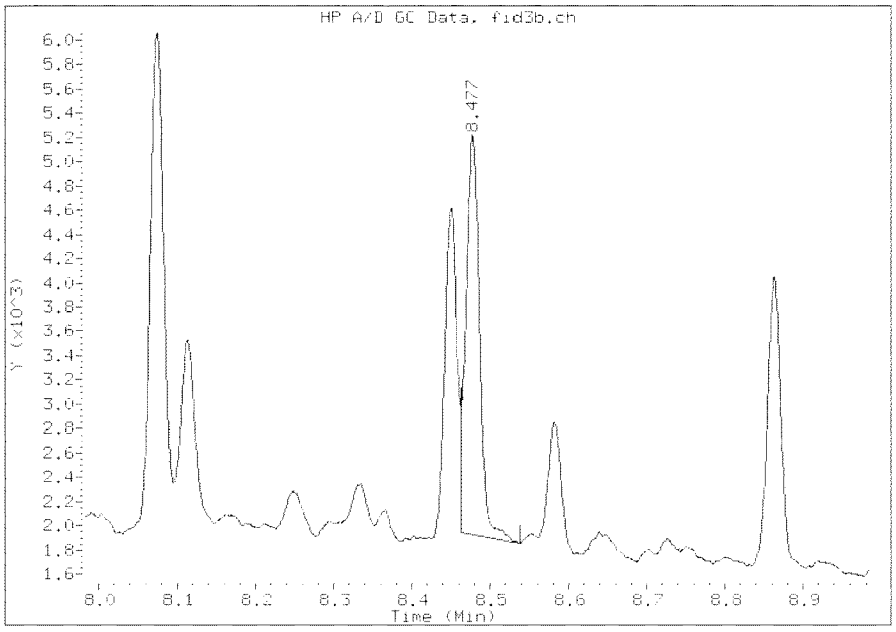
Processing Integration Results

RT: 8.48

Response: 3958

Amount: 1.22

Conc: 1.22



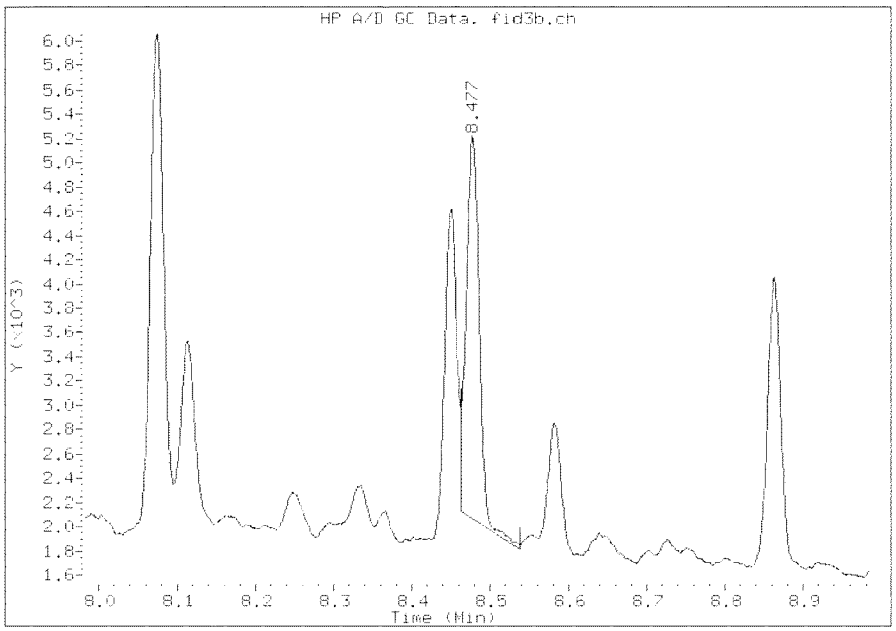
Manual Integration Results

RT: 8.48

Response: 3659

Amount: 1.33

Conc: 1.33



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 009B0901.D
Inj. Date and Time: 26-APR-2012 17:36
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

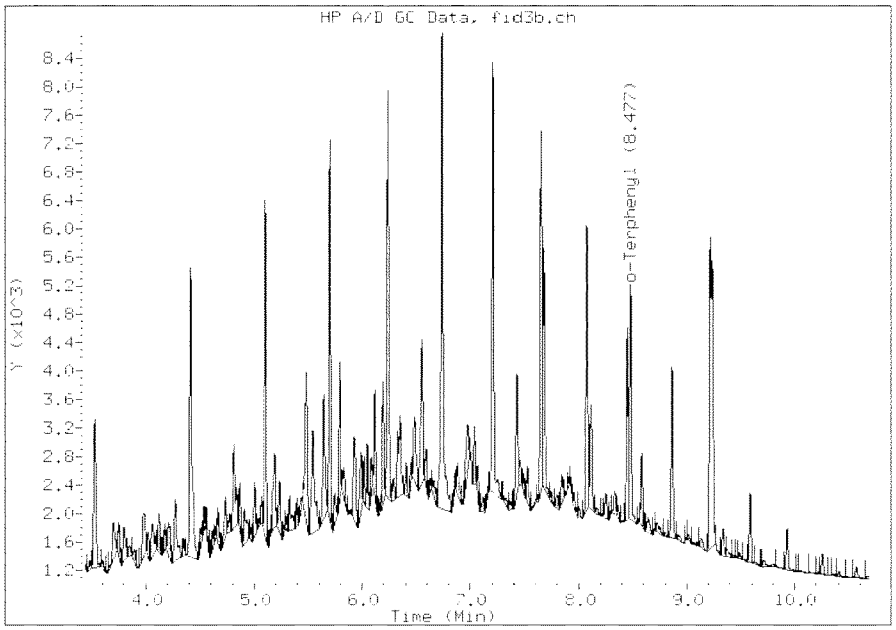
Processing Integration Results

RT: 7.06

Response: 136446

Amount: 209.50

Conc: 209.50



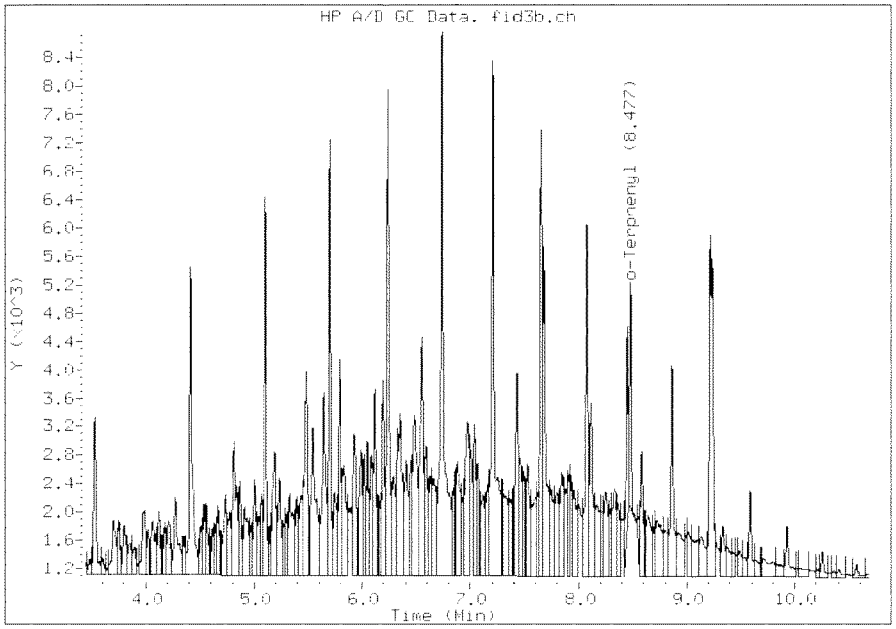
Manual Integration Results

RT: 7.06

Response: 393990

Amount: 245.34

Conc: 245.34



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:45
Manual Integration Reason: Baseline Event

Data File: 010B1001.D
Report Date: 30-Apr-2012 11:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\010B1001.D
Lab Smp Id: IC-1378343
Inj Date : 26-APR-2012 18:01
Operator : MB Inst ID: GC_U2.i
Smp Info : IC-1378343,L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:50 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 17:36 Cal File: 009B0901.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142	13.009		168177	100.000	98.50(M)
S 3 C10-C22	3.545	9.598		157859	100.000	100.2(M)
S 2 C10-C24	3.545	10.272		159451	100.000	99.53(M)
S 5 C10-25	3.545	10.578		159802	100.000	99.51(M)
S 8 C10-C28	3.545	11.467		159983	100.000	99.43(M)
S 196 C12-C24	5.117	10.272		135061	100.000	99.76(M)
S 194 C10-C32	3.545	12.526		160189	100.000	99.52(M)
S 9 C10-C36	3.545	13.467		160358	100.000	99.59(M)
$ 1 o-Terphenyl	8.476	8.484	-0.008	1548	0.50000	0.5628(M)
S 195 C10-C38	3.545	13.913		160676	100.000	99.58(M)
$ 11 n-Octacosane	11.456	11.463	-0.007	979	0.50000	0.5204

QC Flag Legend

M - Compound response manually integrated.

Data File: 010B1001.D

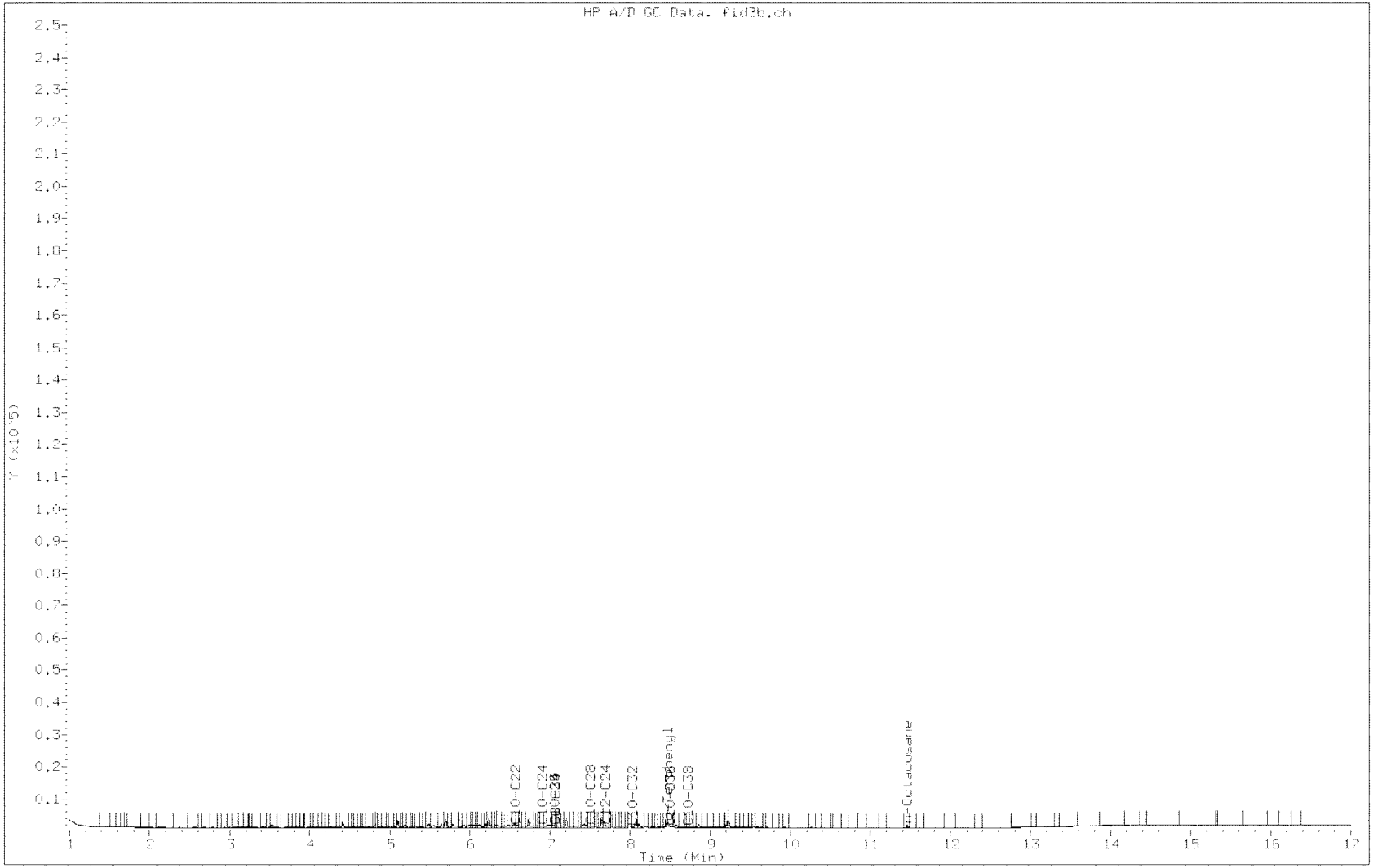
Date: 26-APR-2012 18:01

Client ID:

Instrument: GC_U2.i

Sample Info: IC-1378343,L1

Operator: MB



Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

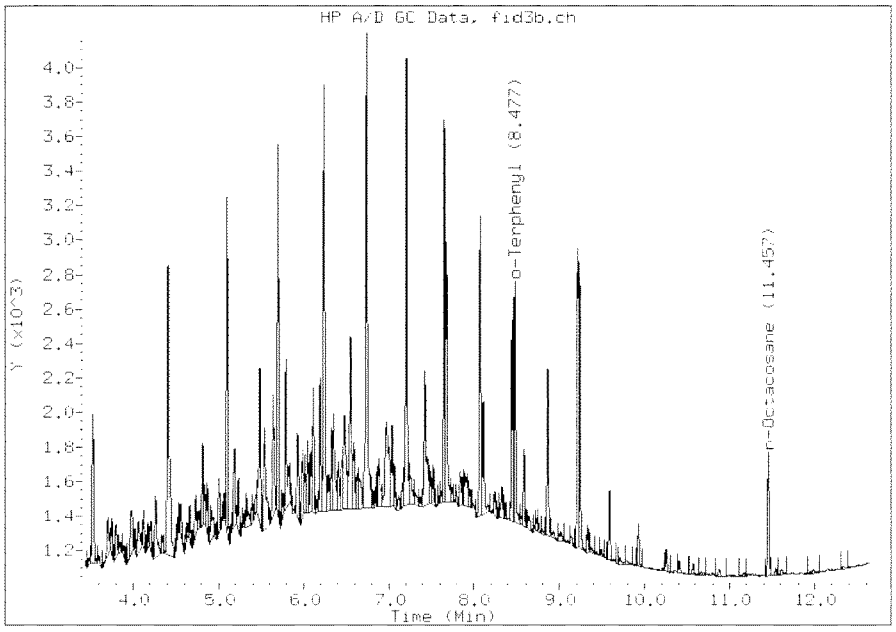
Processing Integration Results

RT: 8.04

Response: 67024

Amount: 102.66

Conc: 102.66



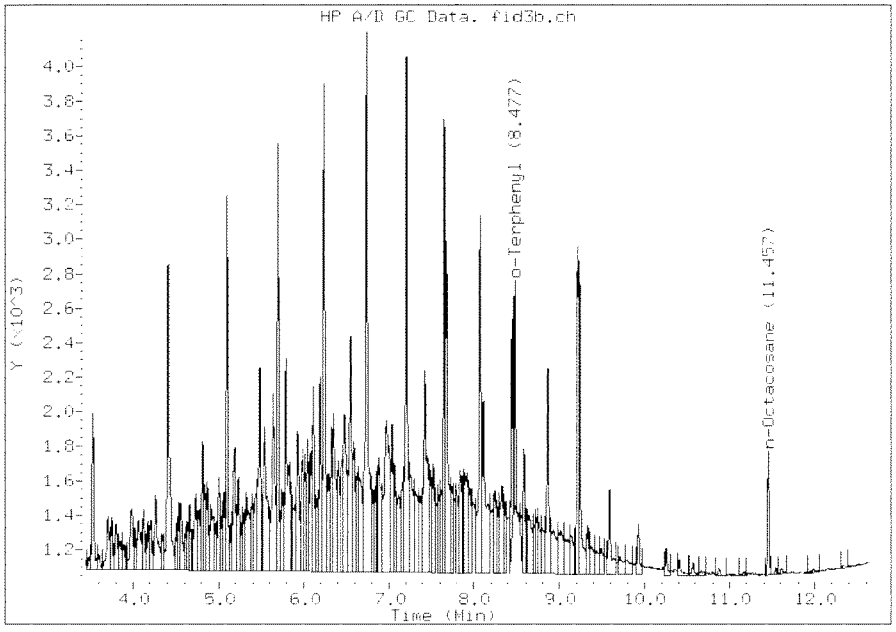
Manual Integration Results

RT: 8.04

Response: 160189

Amount: 99.52

Conc: 99.52



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

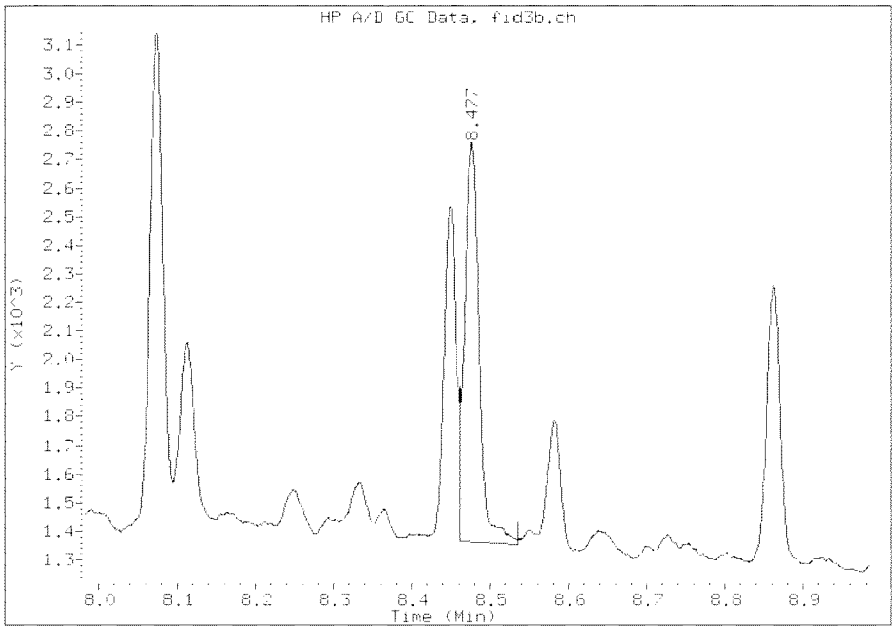
Processing Integration Results

RT: 8.48

Response: 1764

Amount: 0.54

Conc: 0.54



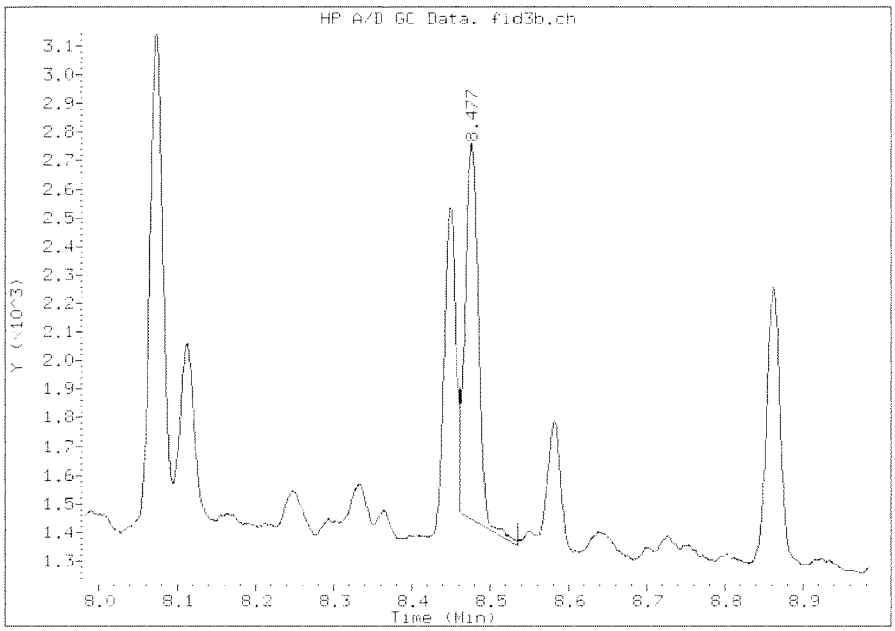
Manual Integration Results

RT: 8.48

Response: 1548

Amount: 0.56

Conc: 0.56



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

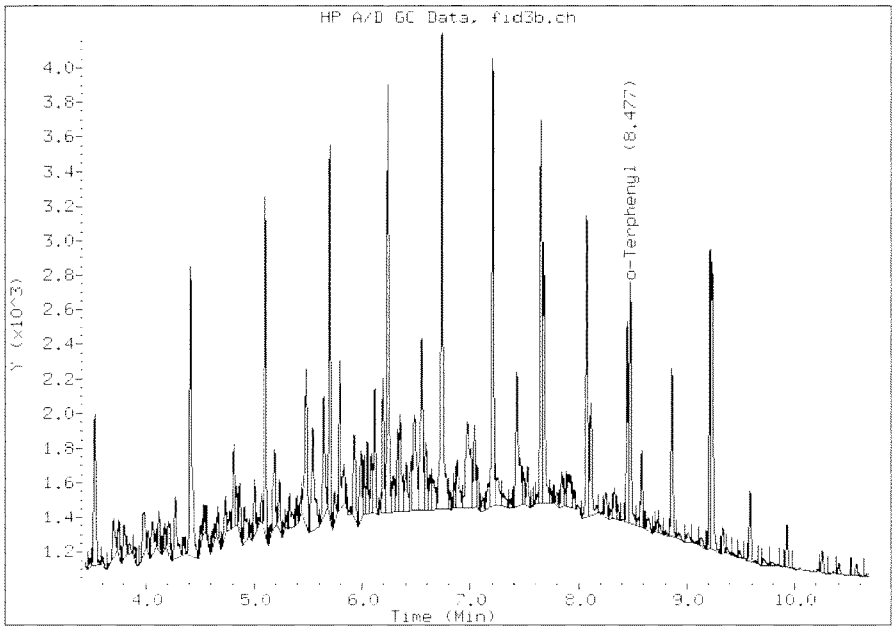
Processing Integration Results

RT: 7.06

Response: 66679

Amount: 102.38

Conc: 102.38



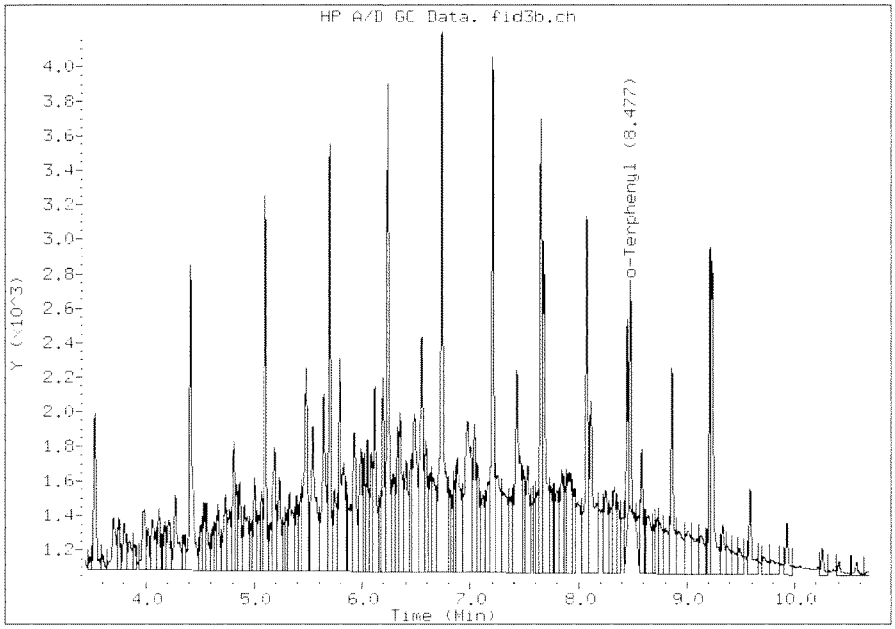
Manual Integration Results

RT: 7.06

Response: 159802

Amount: 99.51

Conc: 99.51



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

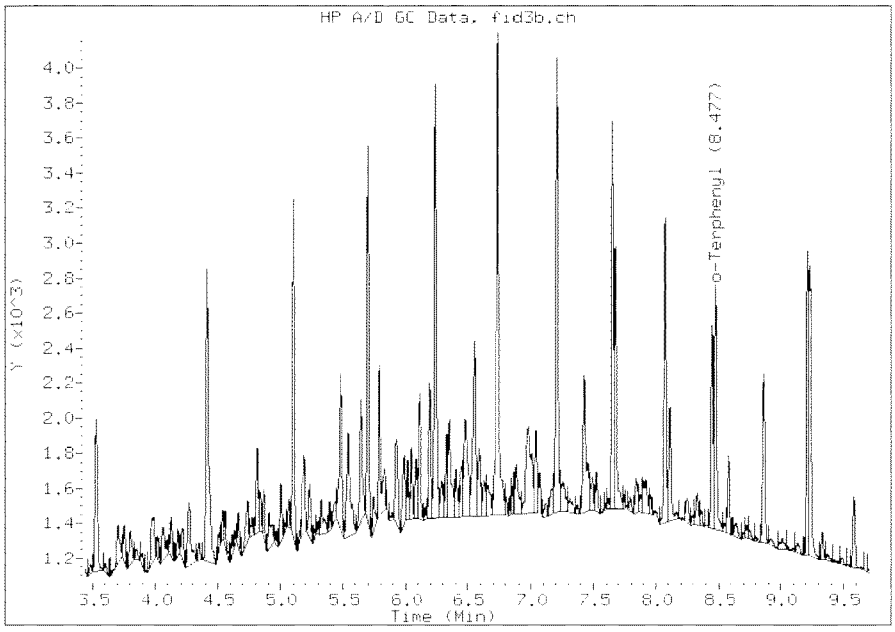
Processing Integration Results

RT: 6.57

Response: 65869

Amount: 102.33

Conc: 102.33



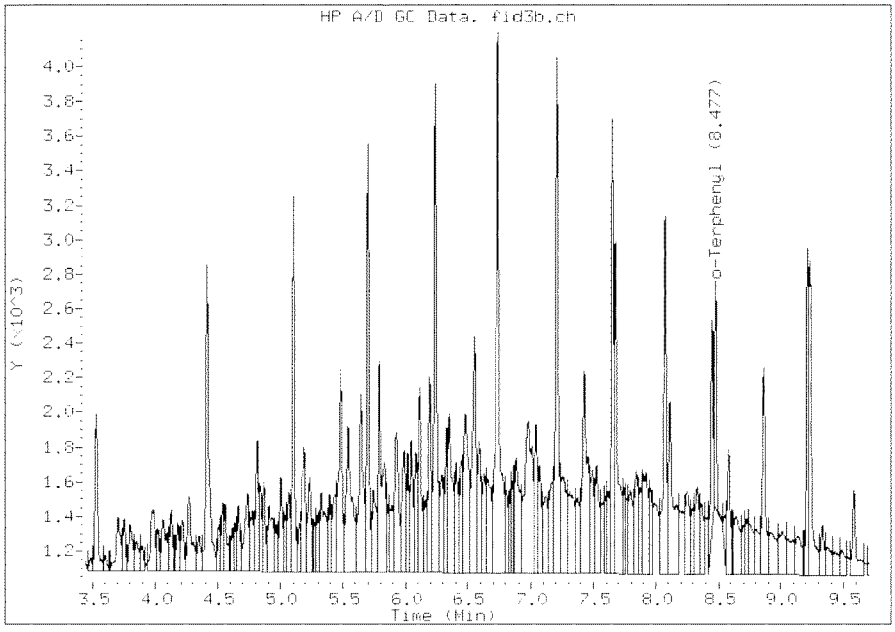
Manual Integration Results

RT: 6.57

Response: 157859

Amount: 100.16

Conc: 100.16



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

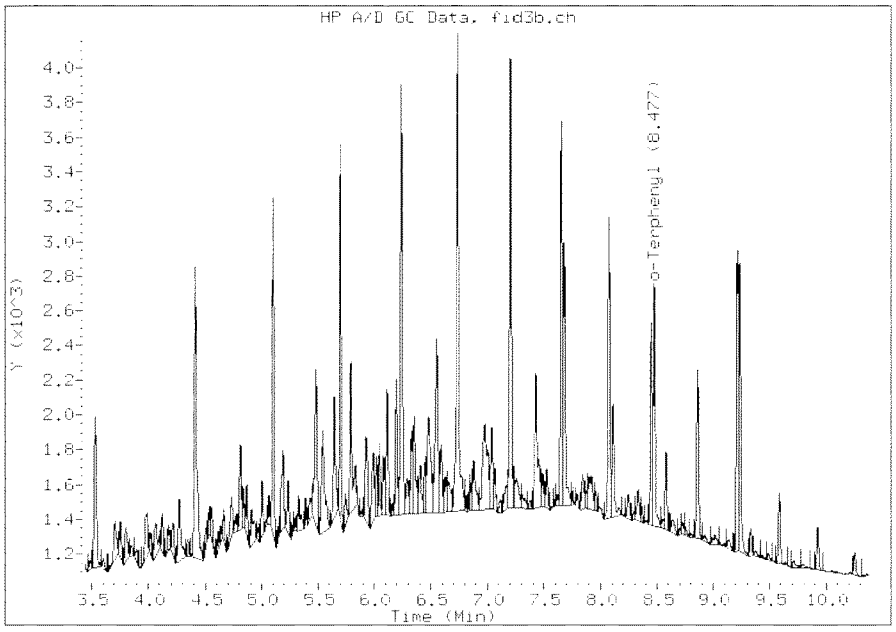
Processing Integration Results

RT: 6.91

Response: 66486

Amount: 102.26

Conc: 102.26



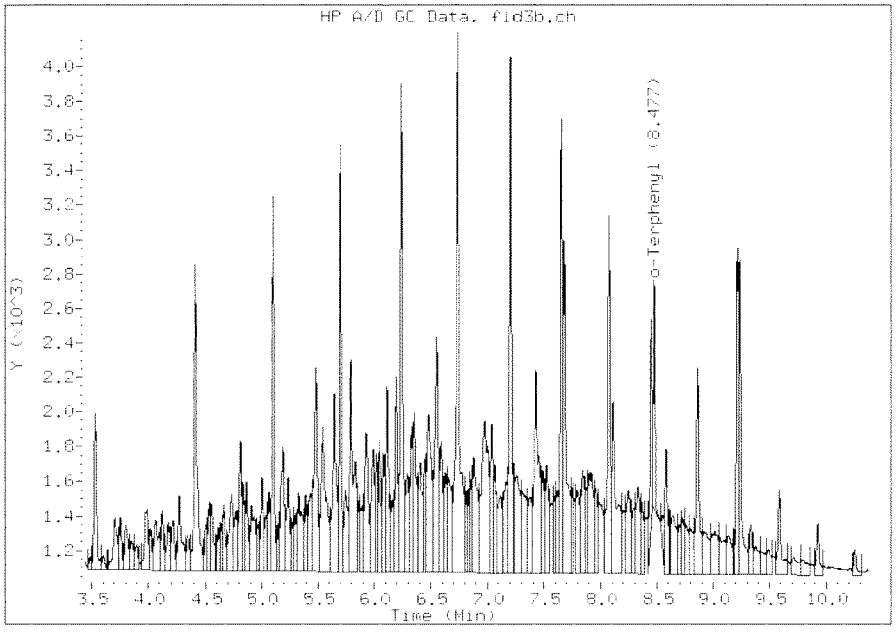
Manual Integration Results

RT: 6.91

Response: 159451

Amount: 99.53

Conc: 99.53



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

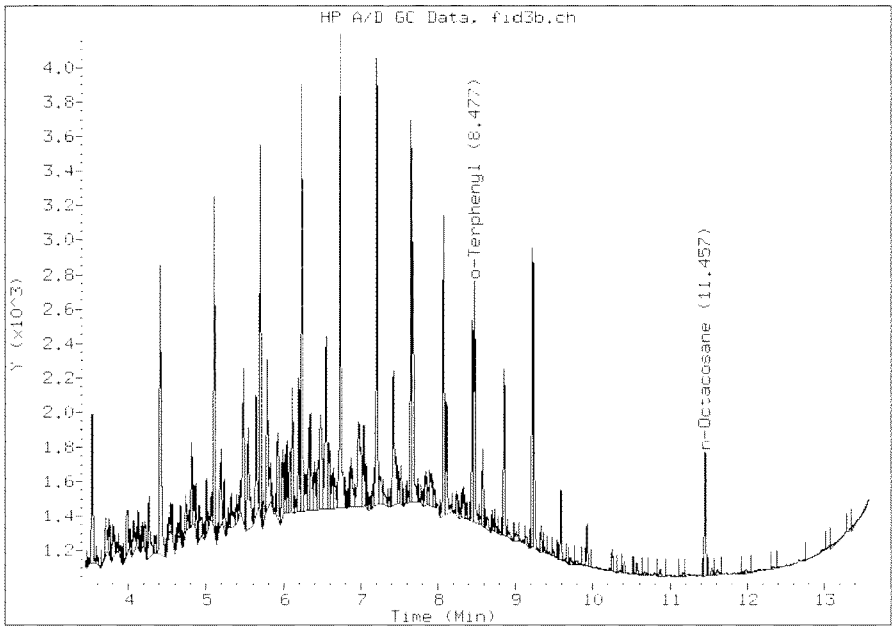
Processing Integration Results

RT: 8.51

Response: 67193

Amount: 102.84

Conc: 102.84



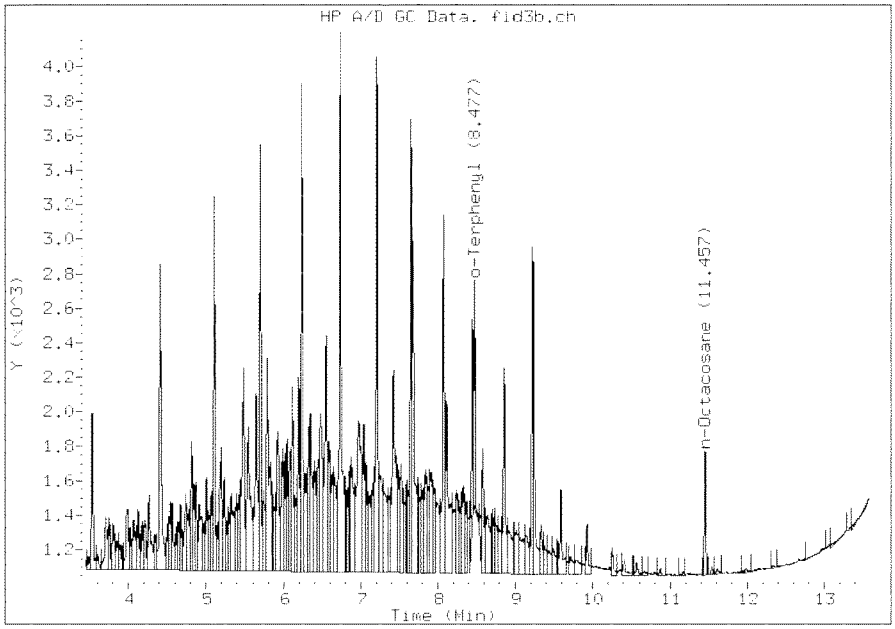
Manual Integration Results

RT: 8.51

Response: 160358

Amount: 99.59

Conc: 99.59



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

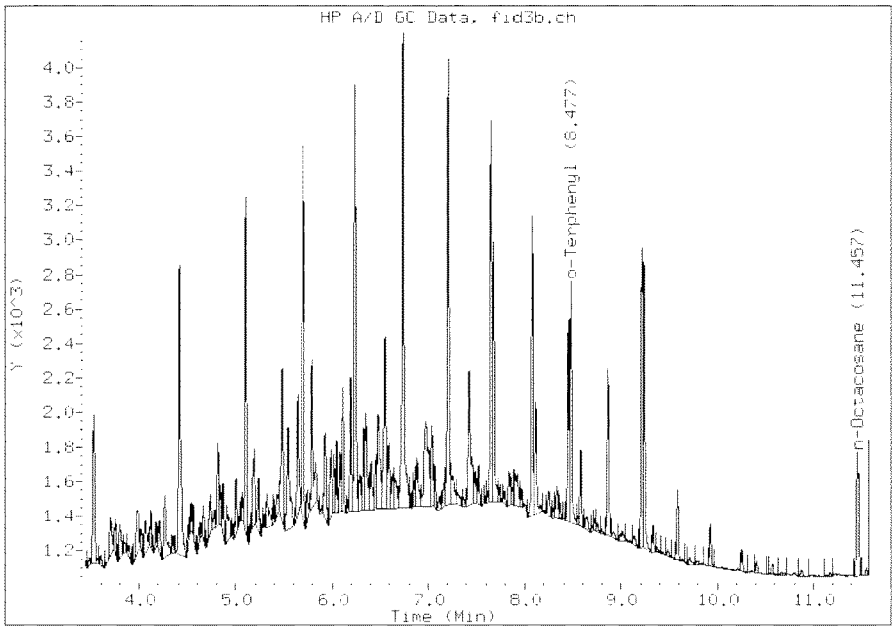
Processing Integration Results

RT: 7.51

Response: 66818

Amount: 102.44

Conc: 102.44



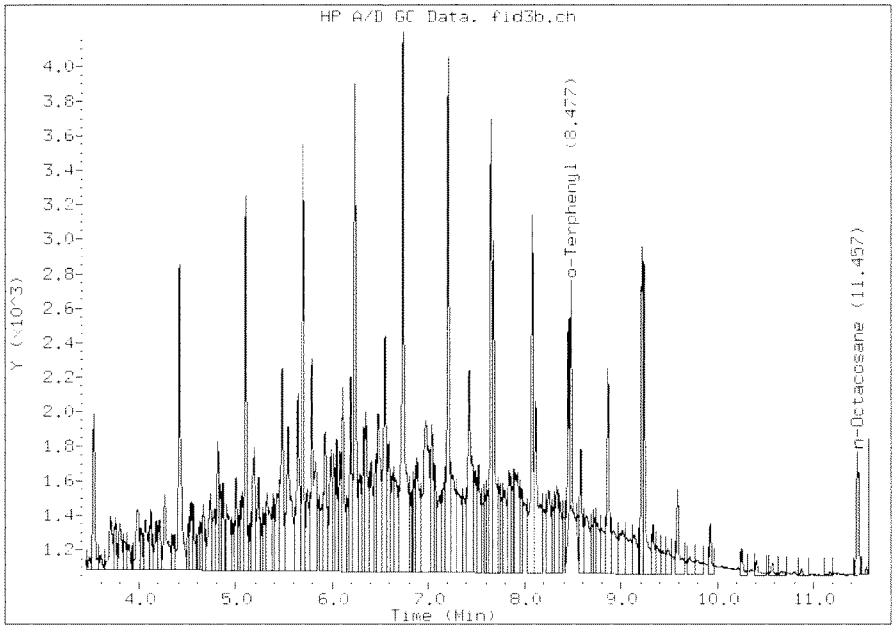
Manual Integration Results

RT: 7.51

Response: 159983

Amount: 99.43

Conc: 99.43



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 010B1001.D
Inj. Date and Time: 26-APR-2012 18:01
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

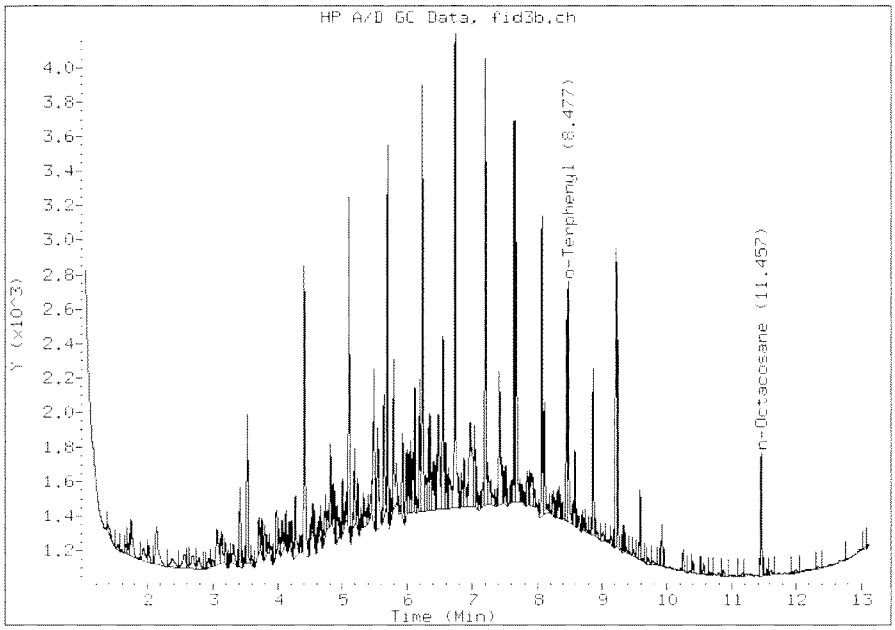
Processing Integration Results

RT: 7.08

Response: 73868

Amount: 103.27

Conc: 103.27



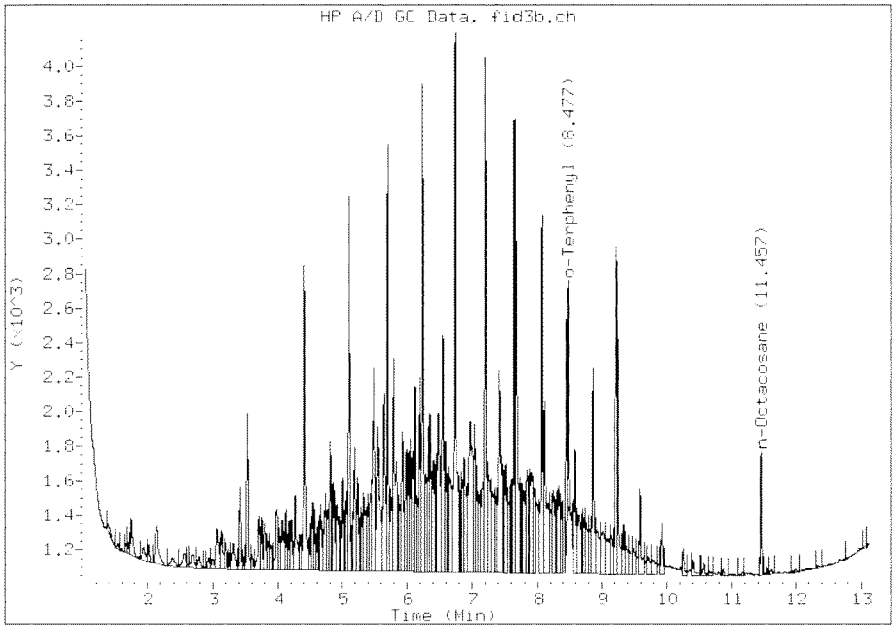
Manual Integration Results

RT: 7.08

Response: 168177

Amount: 98.50

Conc: 98.50



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:46
Manual Integration Reason: Baseline Event

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-117559/9 | Calibration Date: 04/26/2012 18:25

Instrument ID: GCS_U2 | Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) | Calib End Date: 04/26/2012 18:01

Lab File ID: 011B1101.D | Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C10-C22	Ave	1576	1635		1040	1000	3.7	15.0
C10-C24	Ave	1602	1650		1030	1000	3.0	15.0
C10-C25	Ave	1606	1655		1030	1000	3.0	15.0
C8-C34	Ave	1707	1749		1020	1000	2.4	15.0
Diesel Range Organics [C10-C28]	Ave	1609	1658		1030	1000	3.1	15.0
C10-C36	Ave	1610	1662		1030	1000	3.2	15.0
o-Terphenyl	Ave	2750	2589		4.71	5.00	-5.9	15.0
n-Octacosane	Ave	1881	1603		4.26	5.00	-14.8	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICV 280-117559/9 Calibration Date: 04/26/2012 18:25

Instrument ID: GCS_U2 Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) Calib End Date: 04/26/2012 18:01

Lab File ID: 011B1101.D

Analyte	RT	RT WINDOW	
		TO	FROM
C10-C22	6.57	3.55	9.60
C10-C24	6.91	3.55	10.27
C10-C25	7.06	3.55	10.58
C8-C34	7.08	1.14	13.01
Diesel Range Organics [C10-C28]	7.51	3.55	11.47
C10-C32	8.04	3.55	12.53
C10-C36	8.51	3.55	13.47
o-Terphenyl	8.45	8.42	8.54
n-Octacosane	11.46	11.39	11.53

Data File: 011B1101.D
Report Date: 30-Apr-2012 11:57

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\011B1101.D
Lab Smp Id: ICV-1198384
Inj Date : 26-APR-2012 18:25
Operator : MB Inst ID: GC_U2.i
Smp Info : ICV-1198384,SS
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\042612A2.B\DR02.m
Meth Date : 30-Apr-2012 11:57 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DROICAL.sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
S 198 C8-C34	1.142	13.009		1748831	1000.00	1024(M)
S 3 C10-C22	3.545	9.598		1635016	1000.00	1037(M)
S 2 C10-C24	3.545	10.272		1649932	1000.00	1030(M)
S 5 C10-25	3.545	10.578		1654863	1000.00	1030(M)
S 8 C10-C28	3.545	11.467		1658361	1000.00	1031(M)
S 196 C12-C24	5.117	10.272		1509591	1000.00	1115(M)
S 194 C10-C32	3.545	12.526		1660373	1000.00	1032(M)
S 9 C10-C36	3.545	13.467		1661728	1000.00	1032(M)
$ 1 o-Terphenyl	8.450	8.484	-0.034	12945	5.00000	4.707(M)
S 195 C10-C38	3.545	13.913		1664237	1000.00	1031(M)
$ 11 n-Octacosane	11.457	11.463	-0.006	8017	5.00000	4.261(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 011B1101.D

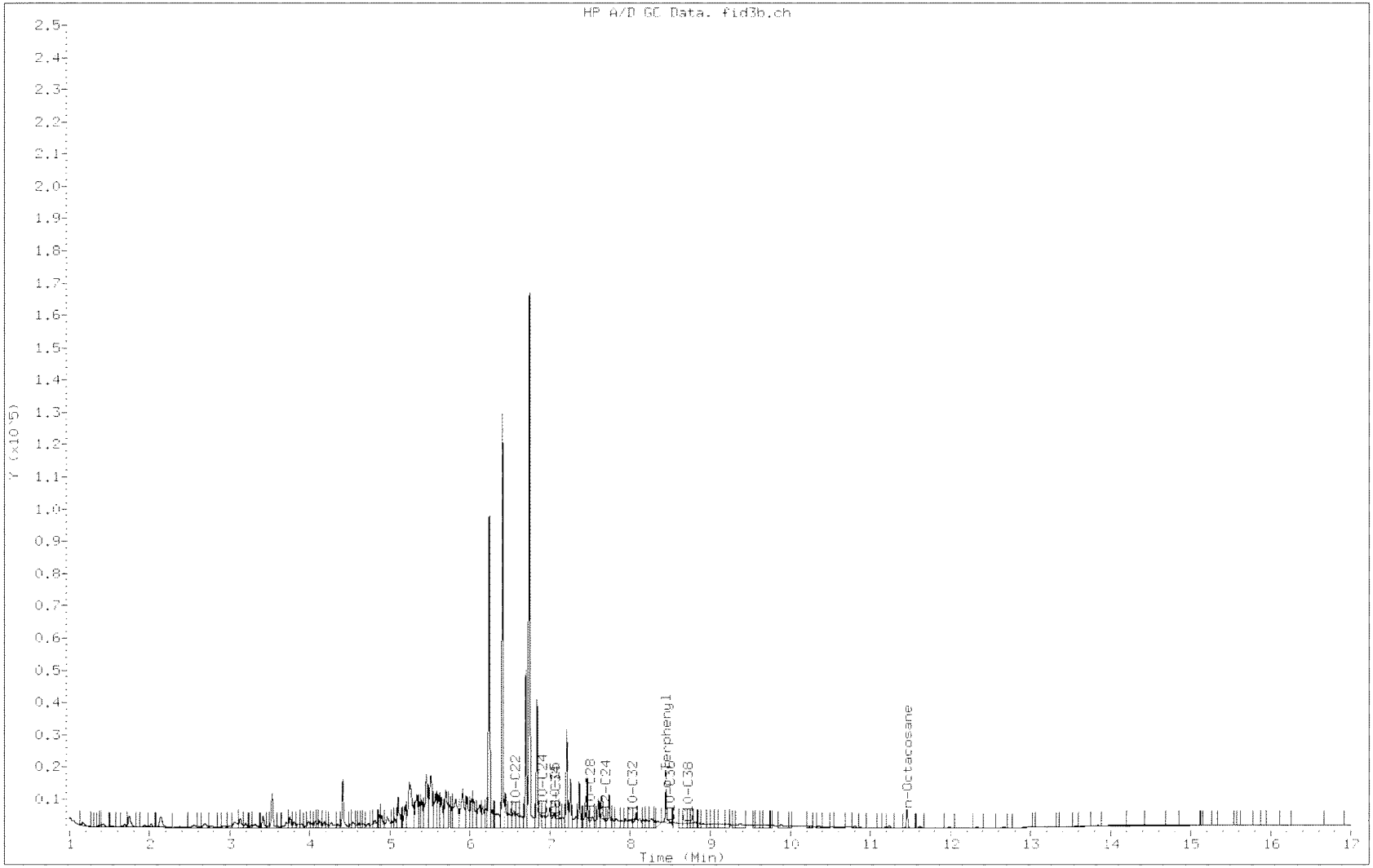
Date: 26-APR-2012 18:25

Client ID:

Instrument: GC_U2.i

Sample Info: ICV-1198384,SS

Operator: MB



Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 04/30/2012

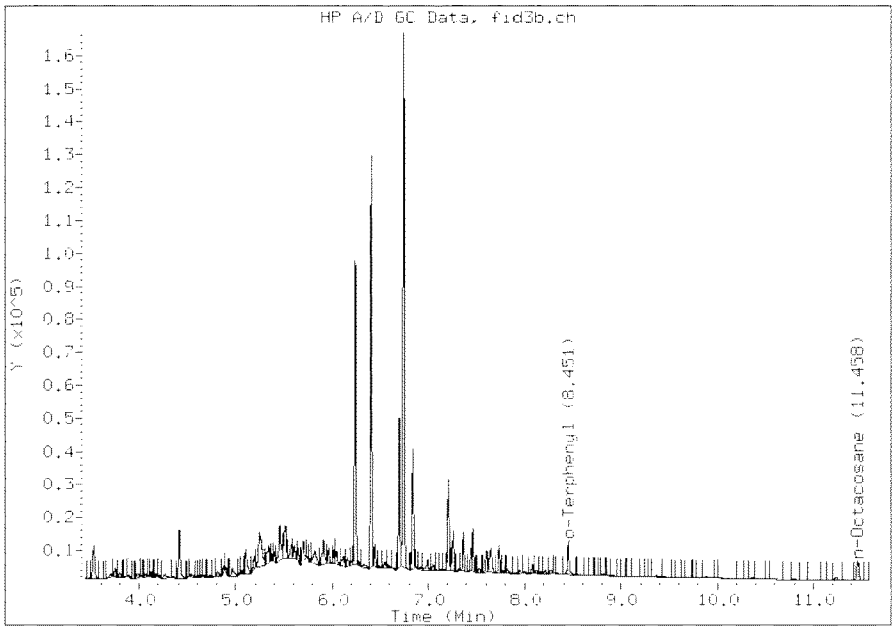
Processing Integration Results

RT: 7.51

Response: 847929

Amount: 527.01

Conc: 527.01



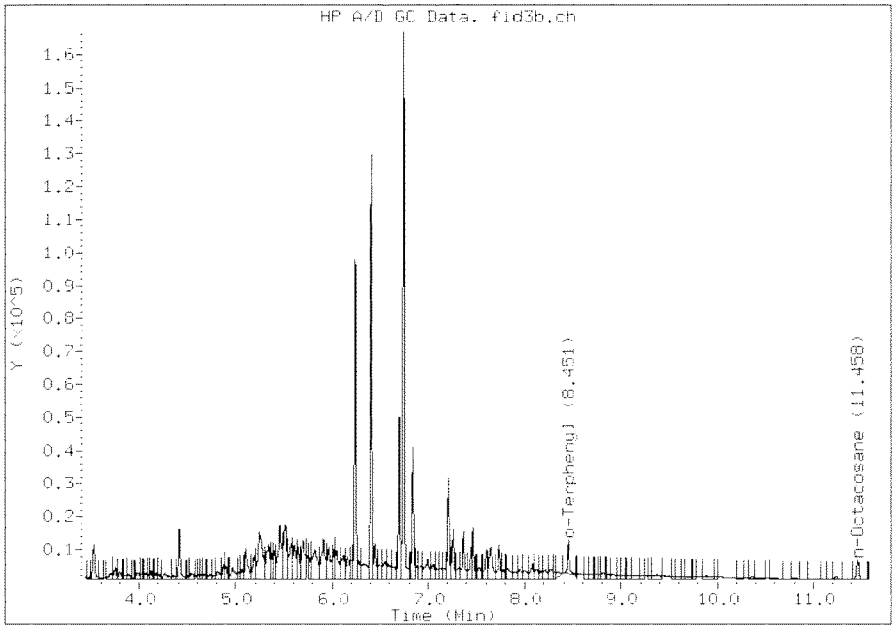
Manual Integration Results

RT: 7.51

Response: 1658361

Amount: 1030.71

Conc: 1030.71



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 194 C10-C32
CAS #:
Report Date: 04/30/2012

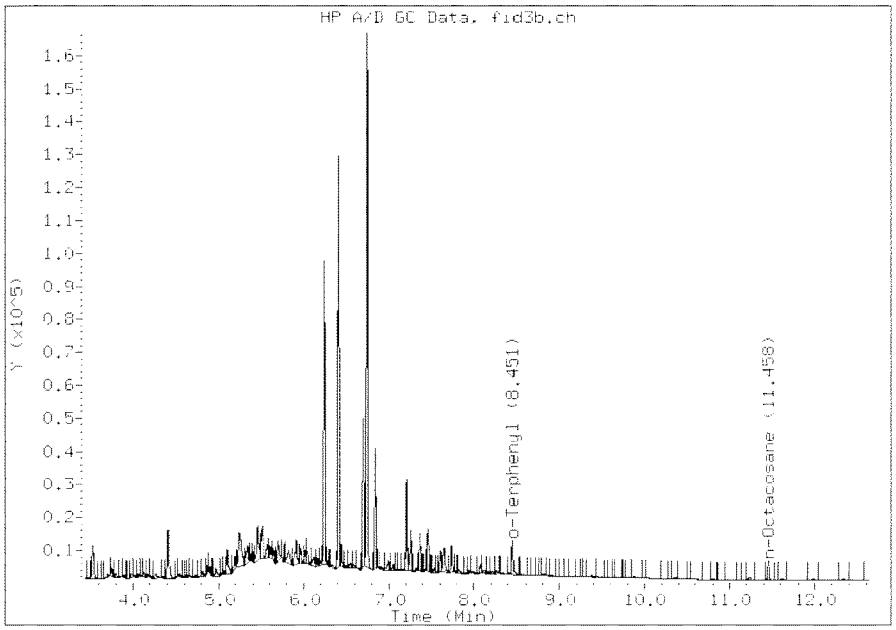
Processing Integration Results

RT: 8.04

Response: 849832

Amount: 527.96

Conc: 527.96



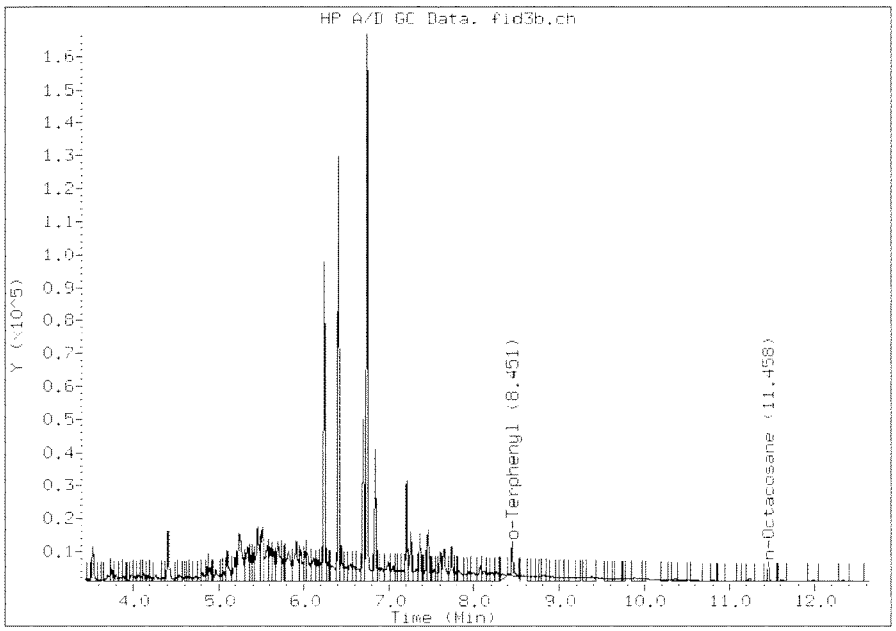
Manual Integration Results

RT: 8.04

Response: 1660373

Amount: 1031.50

Conc: 1031.50



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 3 C10-C22
CAS #: STL00010
Report Date: 04/30/2012

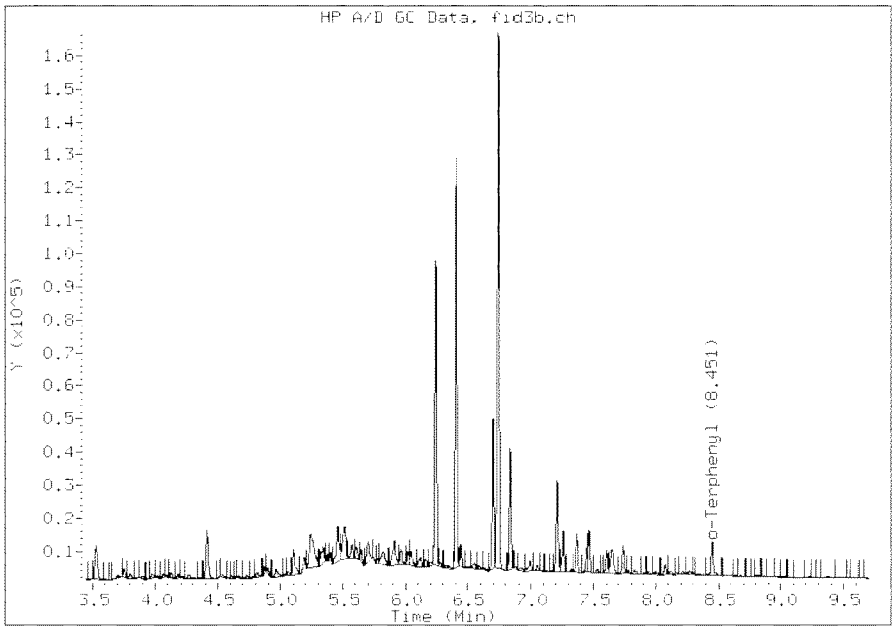
Processing Integration Results

RT: 6.57

Response: 843822

Amount: 535.40

Conc: 535.40



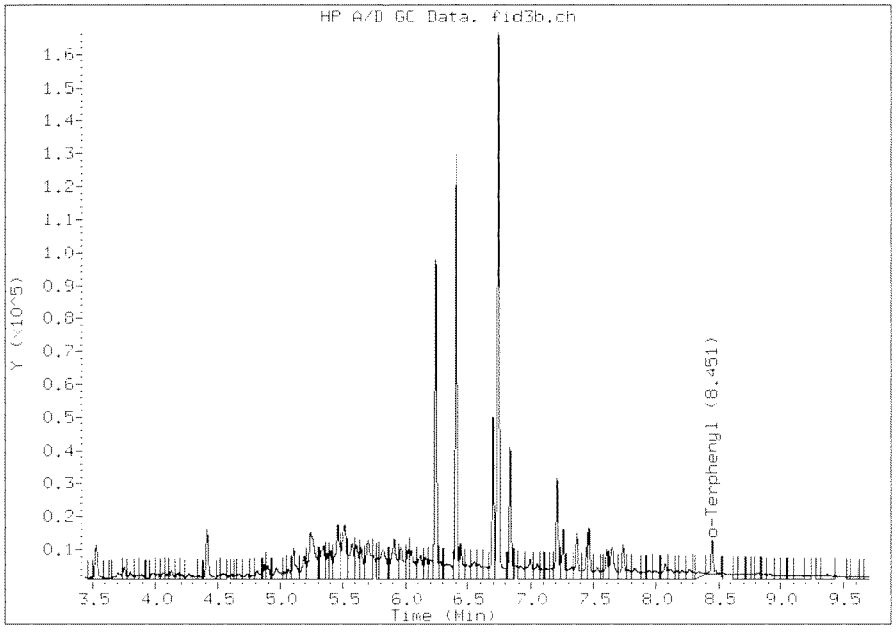
Manual Integration Results

RT: 6.57

Response: 1635016

Amount: 1037.41

Conc: 1037.41



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 2 C10-C24
CAS #: STL00163
Report Date: 04/30/2012

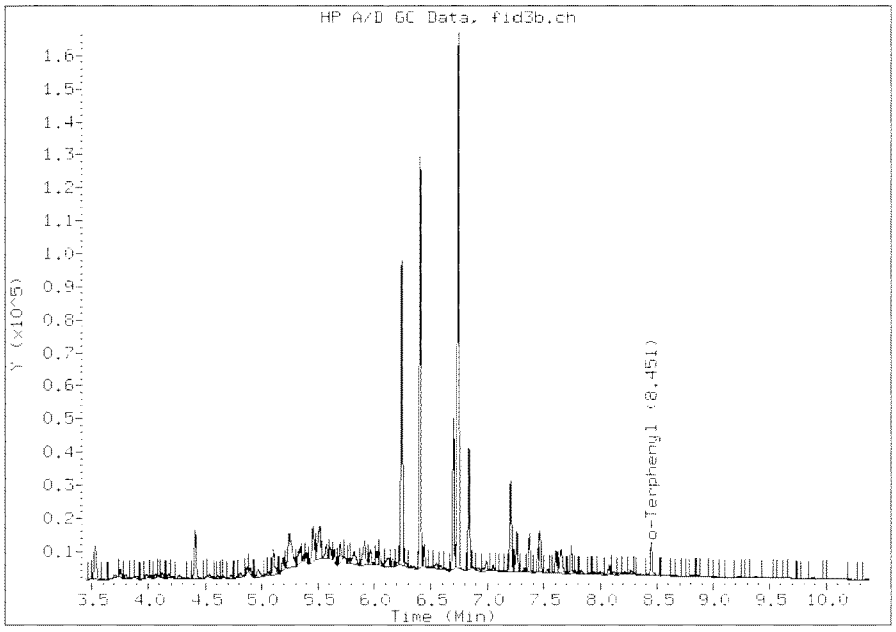
Processing Integration Results

RT: 6.91

Response: 844918

Amount: 527.40

Conc: 527.40



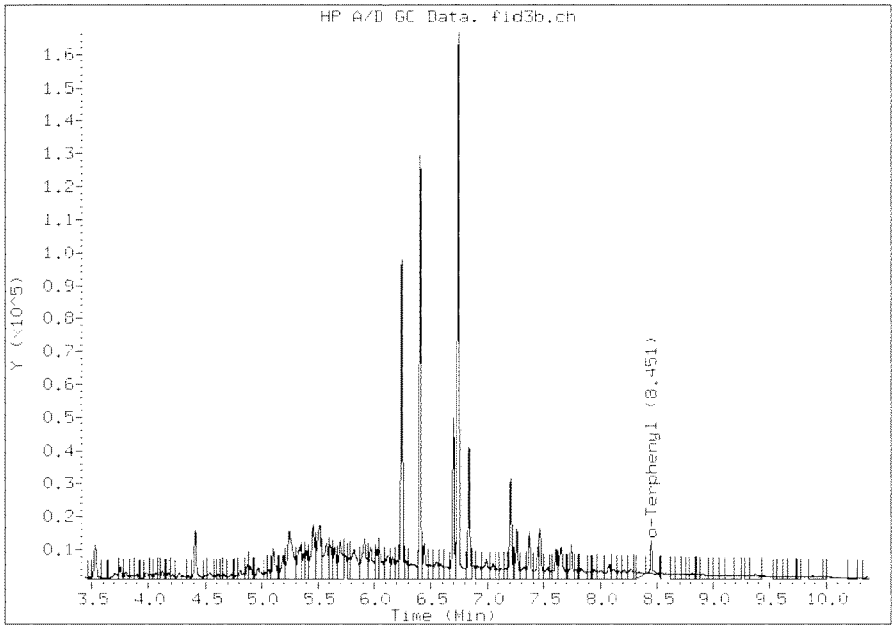
Manual Integration Results

RT: 6.91

Response: 1649932

Amount: 1029.90

Conc: 1029.90



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 198 C8-C34
CAS #: STL01028
Report Date: 04/30/2012

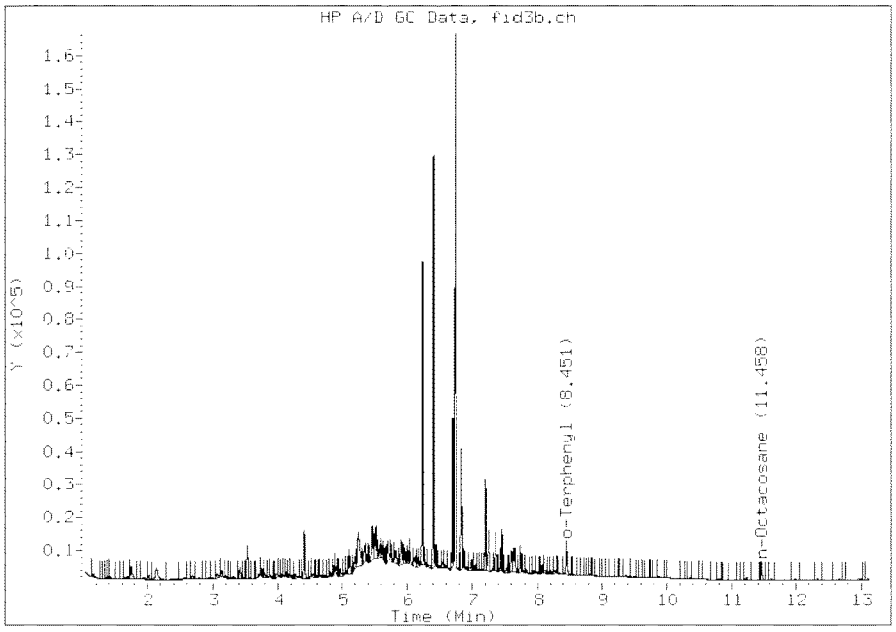
Processing Integration Results

RT: 7.08

Response: 918730

Amount: 538.07

Conc: 538.07



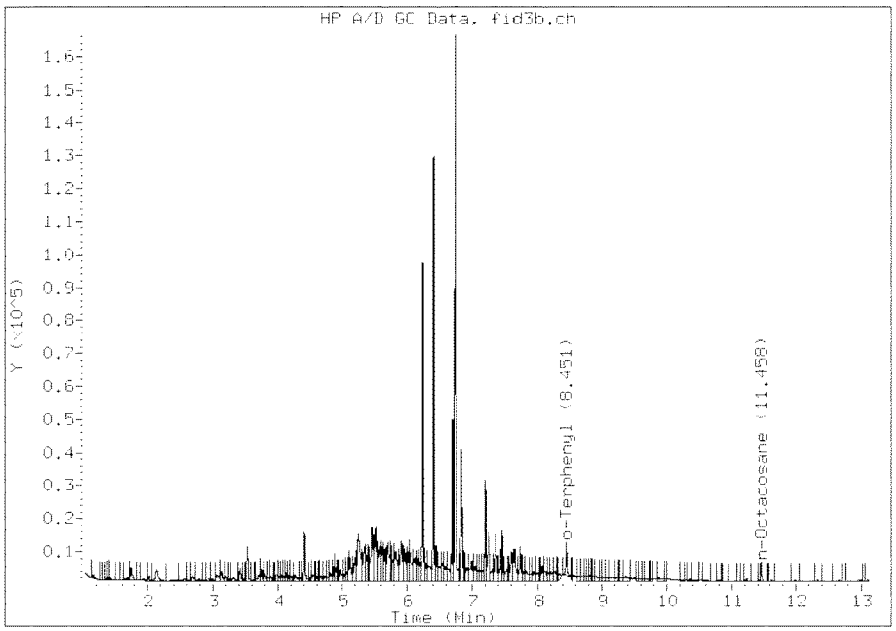
Manual Integration Results

RT: 7.08

Response: 1748831

Amount: 1024.23

Conc: 1024.23



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 04/30/2012

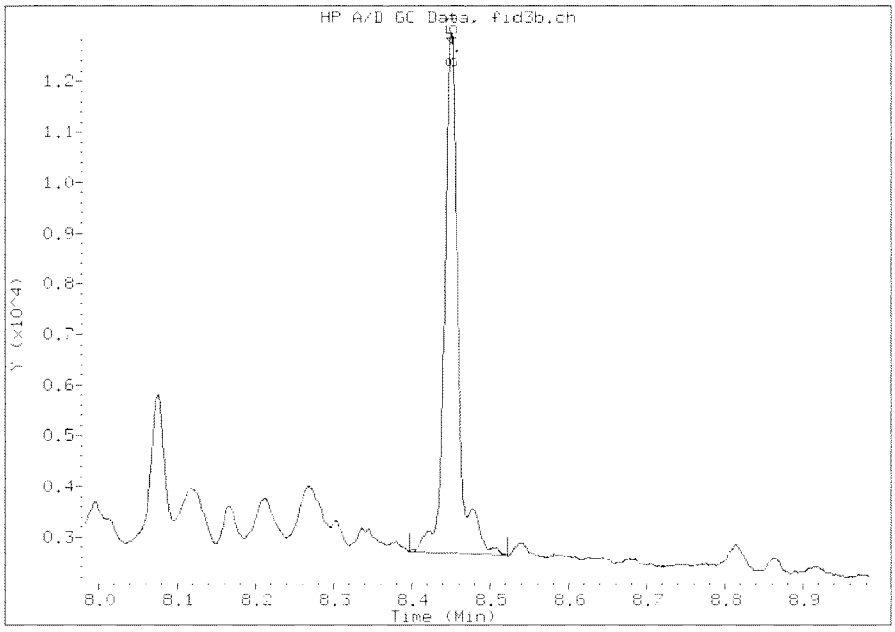
Processing Integration Results

RT: 8.45

Response: 12649

Amount: 4.60

Conc: 4.60



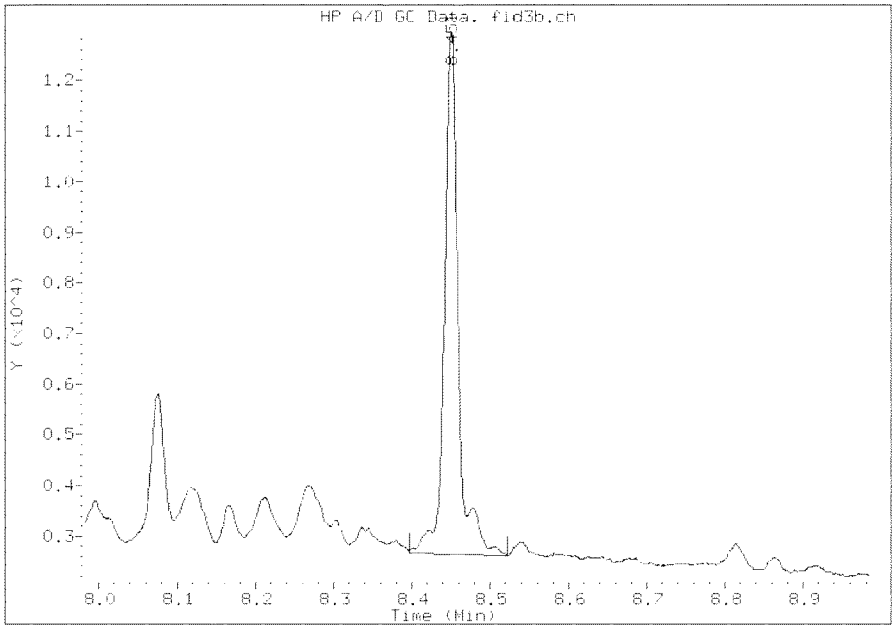
Manual Integration Results

RT: 8.45

Response: 12945

Amount: 4.71

Conc: 4.71



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:48
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 04/30/2012

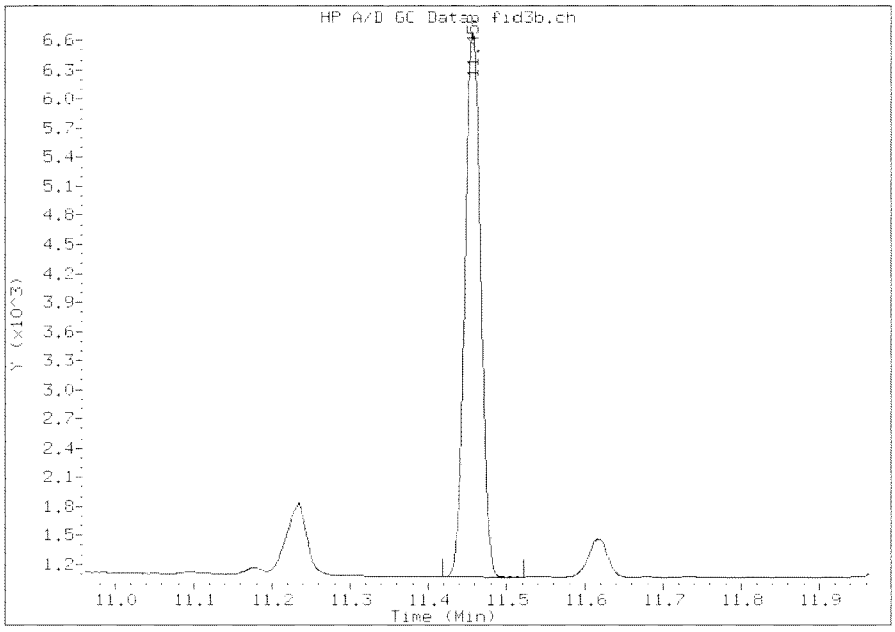
Processing Integration Results

RT: 11.46

Response: 7878

Amount: 4.19

Conc: 4.19



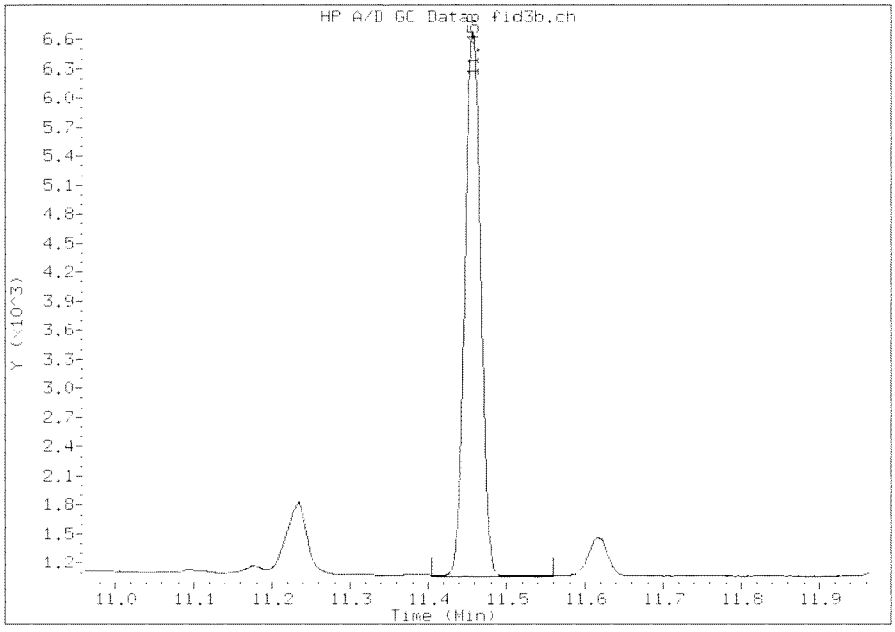
Manual Integration Results

RT: 11.46

Response: 8017

Amount: 4.26

Conc: 4.26



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 04/30/2012

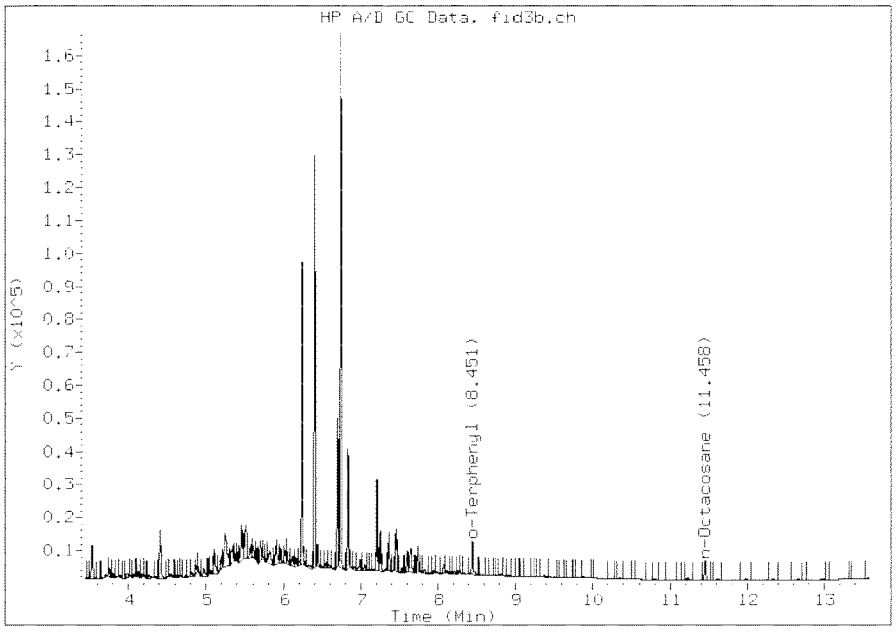
Processing Integration Results

RT: 8.51

Response: 851187

Amount: 528.64

Conc: 528.64



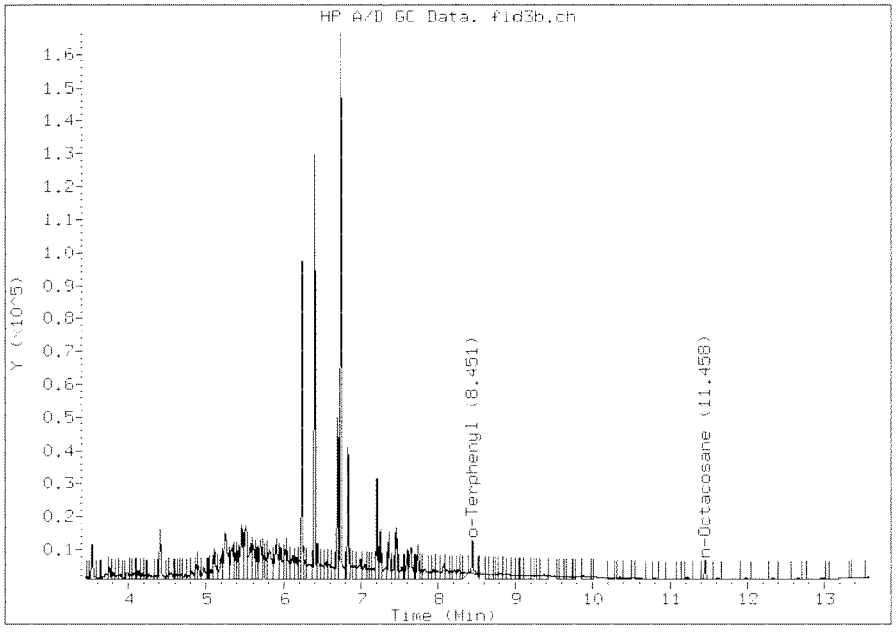
Manual Integration Results

RT: 8.51

Response: 1661728

Amount: 1032.04

Conc: 1032.04



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 011B1101.D
Inj. Date and Time: 26-APR-2012 18:25
Instrument ID: GC_U2.i
Client ID:
Compound: 5 C10-25
CAS #: STL00258
Report Date: 04/30/2012

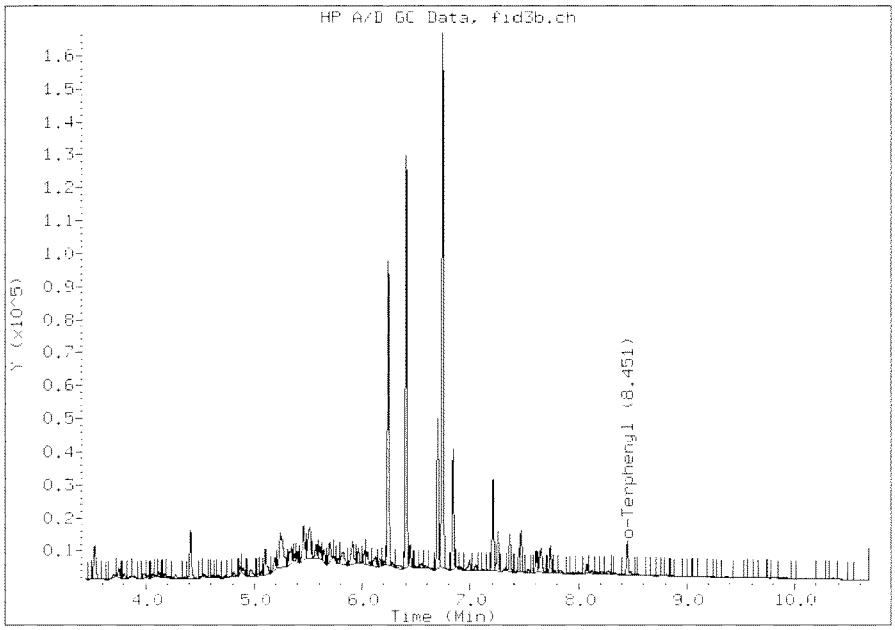
Processing Integration Results

RT: 7.06

Response: 845672

Amount: 526.60

Conc: 526.60



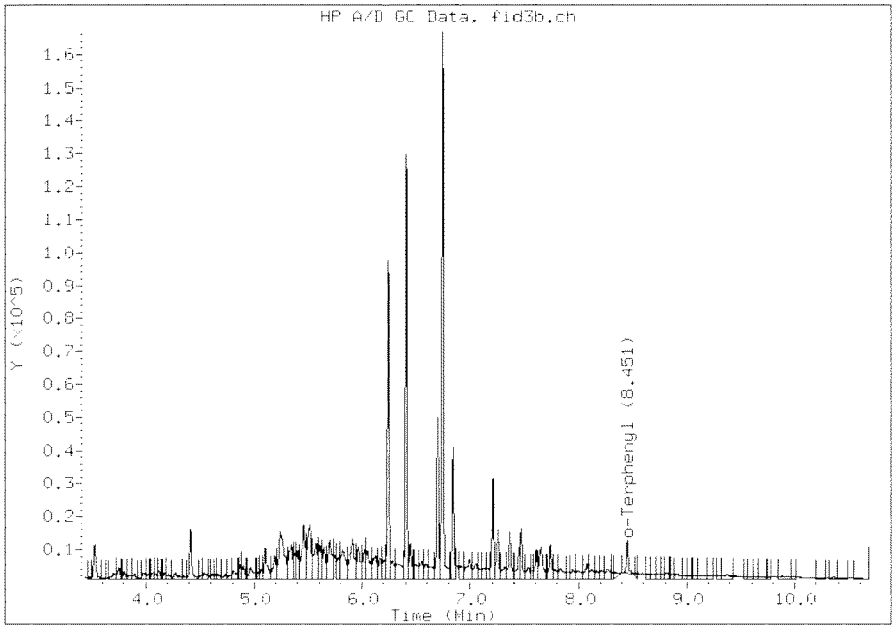
Manual Integration Results

RT: 7.06

Response: 1654863

Amount: 1030.49

Conc: 1030.49



Manually Integrated By: birdsellm
Modification Date: 30-Apr-2012 11:55
Manual Integration Reason: Baseline Event

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-119005/2 | Calibration Date: 05/02/2012 16:16

Instrument ID: GCS_U2 | Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) | Calib End Date: 04/26/2012 18:01

Lab File ID: 052B0401.D | Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	1609	1690		5250	5000	5.0	15.0
C10-C36	Ave	1610	1691		5250	5000	5.0	15.0
o-Terphenyl	Ave	2750	3006		27.3	25.0	9.3	15.0
n-Octacosane	Ave	1881	1960		26.0	25.0	4.2	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCVRT 280-119005/2 | Calibration Date: 05/02/2012 16:16

Instrument ID: GCS_U2 | Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) | Calib End Date: 04/26/2012 18:01

Lab File ID: 052B0401.D

Analyte	RT	RT WINDOW	
		TO	FROM
Diesel Range Organics [C10-C28]	7.48	3.50	11.47
C10-C36	8.48	3.50	13.47
o-Terphenyl	8.48	8.42	8.54
n-Octacosane	11.46	11.39	11.53

Data File: 052B0401.D
Report Date: 09-May-2012 09:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\052B0401.D
Lab Smp Id: CCVRT-1348584
Inj Date : 02-MAY-2012 16:16
Operator : MB Inst ID: GC_U2.i
Smp Info : CCVRT-1348584,D
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 52 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
$ 1 o-Terphenyl	8.480	8.480	0.000	75143	25.0000	27.32(M)
S 9 C10-C36	3.500-13.467			8453198	5000.00	5250(M)
S 8 C10-C28	3.500-11.467			8450814	5000.00	5252(M)
$ 11 n-Octacosane	11.458	11.458	0.000	49001	25.0000	26.04(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 052B0401.D

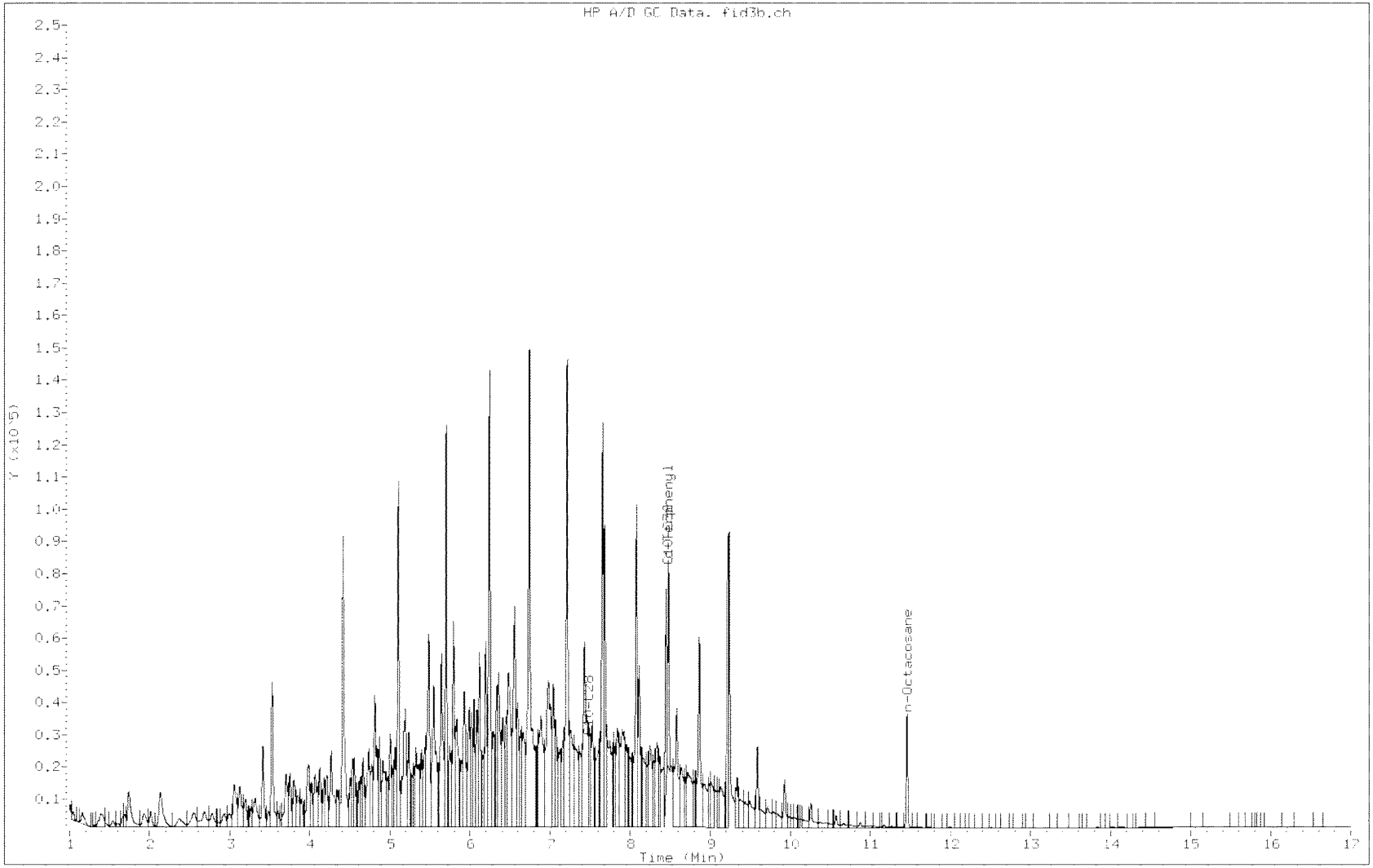
Date: 02-MAY-2012 16:16

Client ID:

Instrument: GC_U2.i

Sample Info: CCVRT-1348584,D

Operator: MB



Manual Integration Report

Data File: 052B0401.D
Inj. Date and Time: 02-MAY-2012 16:16
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 05/09/2012

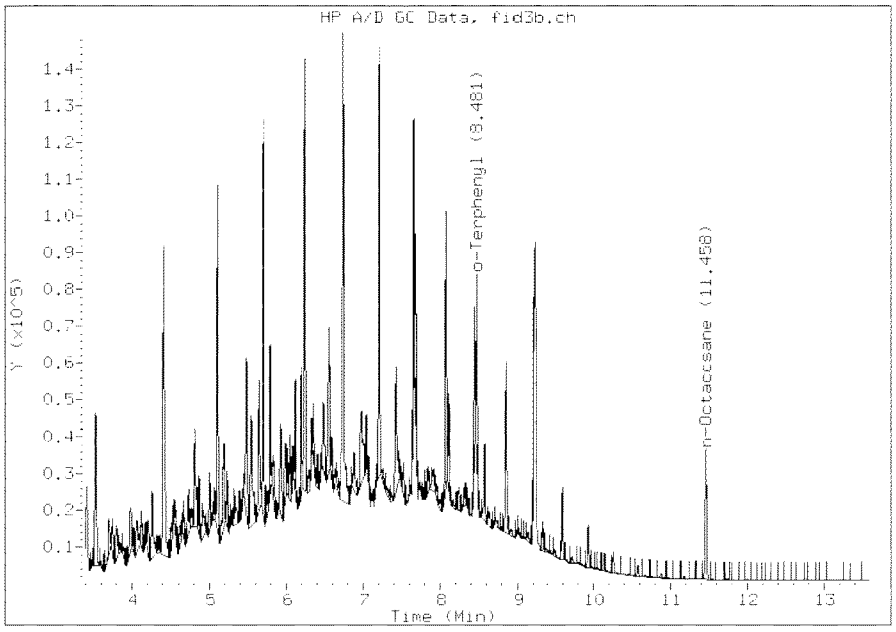
Processing Integration Results

RT: 8.48

Response: 2578379

Amount: 1601.35

Conc: 1601.35



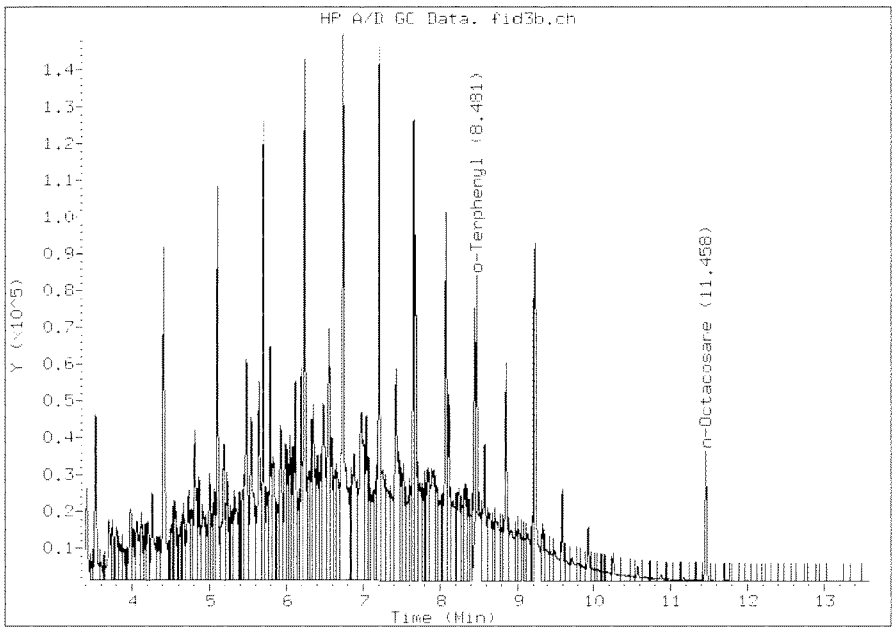
Manual Integration Results

RT: 8.48

Response: 8453198

Amount: 5250.00

Conc: 5250.00



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 052B0401.D
Inj. Date and Time: 02-MAY-2012 16:16
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

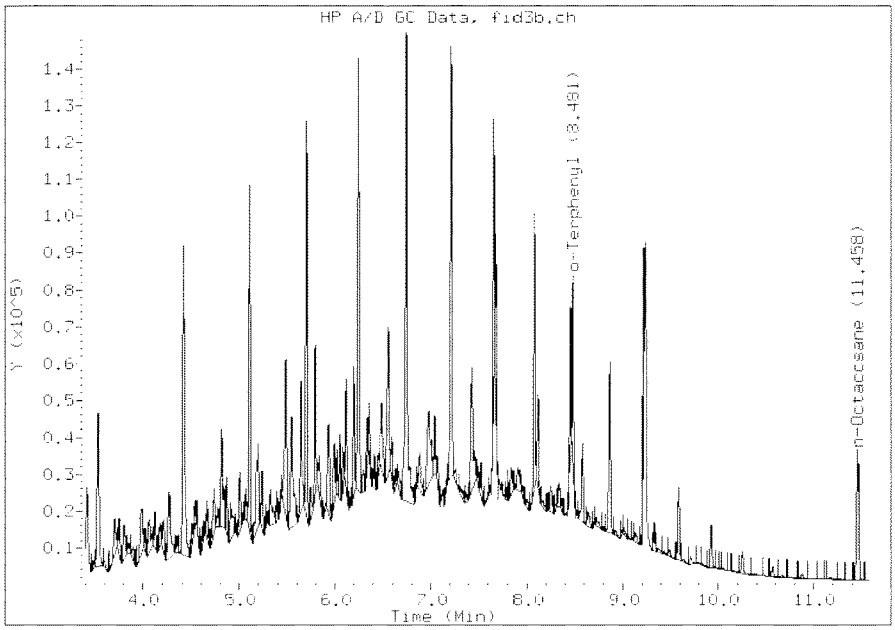
Processing Integration Results

RT: 7.48

Response: 2577072

Amount: 1601.70

Conc: 1601.70



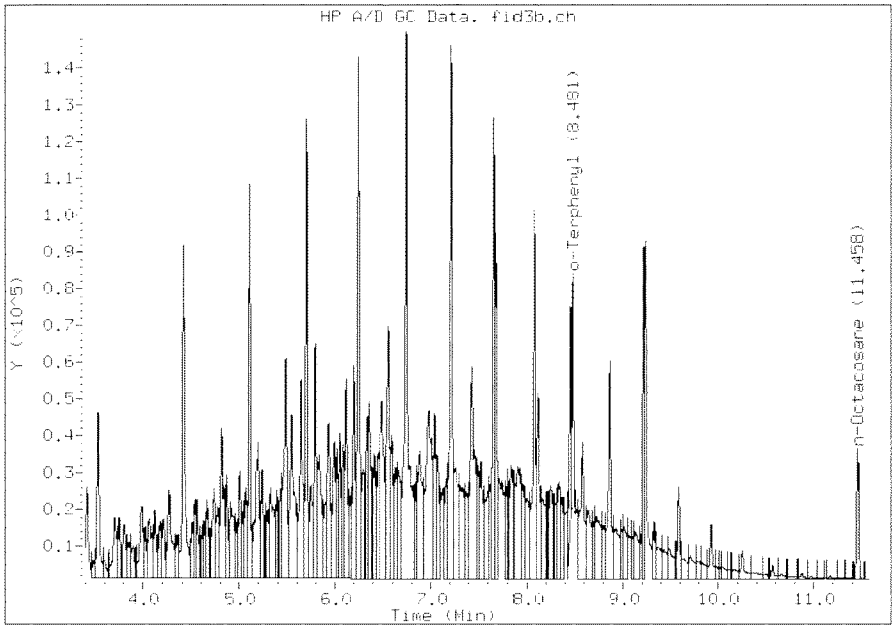
Manual Integration Results

RT: 7.48

Response: 8450814

Amount: 5252.36

Conc: 5252.36



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 052B0401.D
Inj. Date and Time: 02-MAY-2012 16:16
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

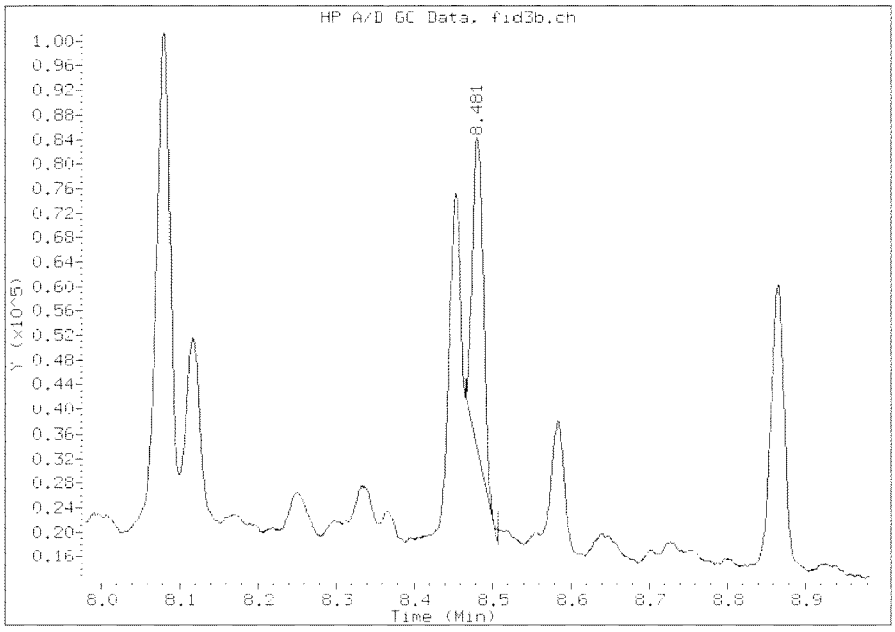
Processing Integration Results

RT: 8.48

Response: 49580

Amount: 18.03

Conc: 18.03



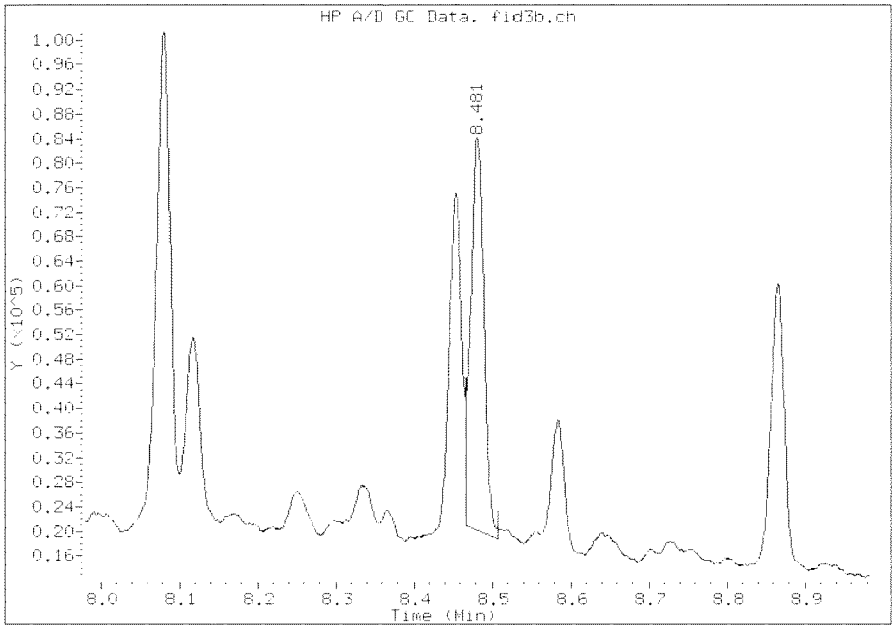
Manual Integration Results

RT: 8.48

Response: 75143

Amount: 27.32

Conc: 27.32



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 052B0401.D
Inj. Date and Time: 02-MAY-2012 16:16
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 05/09/2012

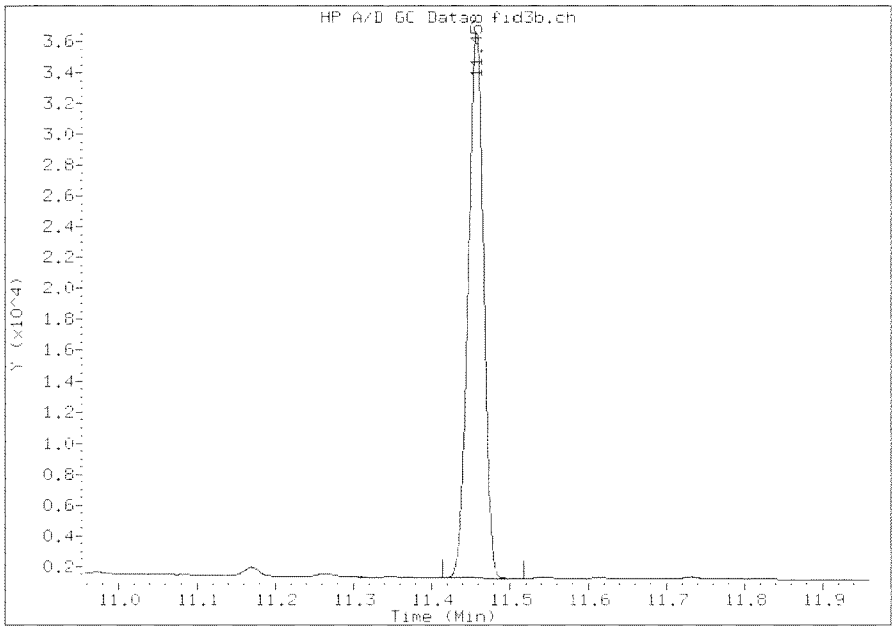
Processing Integration Results

RT: 11.46

Response: 48351

Amount: 25.70

Conc: 25.70



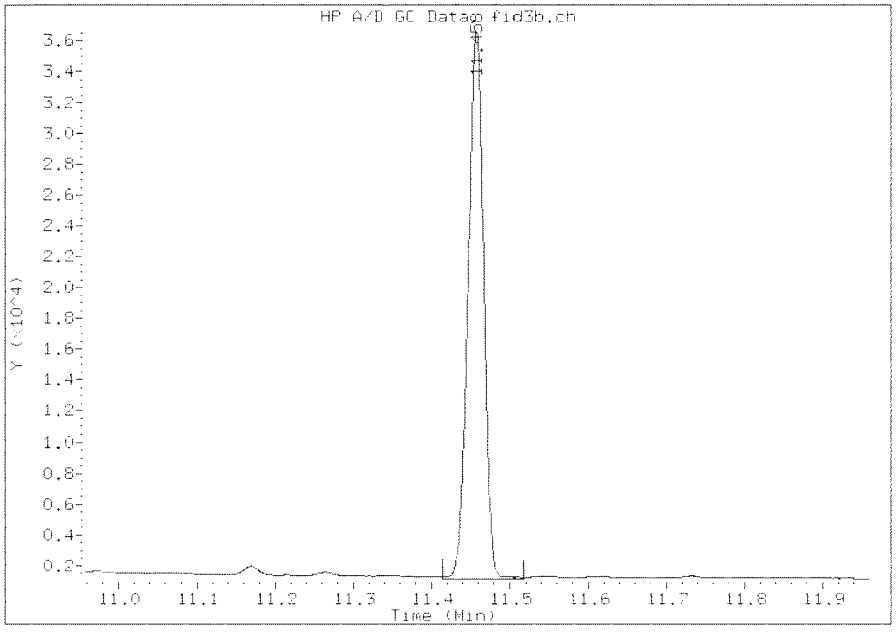
Manual Integration Results

RT: 11.46

Response: 49001

Amount: 26.05

Conc: 26.05



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119005/3 | Calibration Date: 05/03/2012 02:23

Instrument ID: GCS_U2 | Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) | Calib End Date: 04/26/2012 18:01

Lab File ID: 077B2901.D | Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	1609	1801		5600	5000	11.9	15.0
C10-C36	Ave	1610	1801		5590	5000	11.9	15.0
o-Terphenyl	Ave	2750	3101		28.2	25.0	12.7	15.0
n-Octacosane	Ave	1881	1989		26.4	25.0	5.7	15.0

FORM VI I

DI ESEL RANGE ORGANI CS CONTI NUI NG CALI BRATI ON RETENTI ON TI ME SUMMARY

Lab Name: Test Ameri ca Denver Job No.: 280-28076-1

SDG No.:

Lab Sampl e I D: CCV 280-119005/ 3 Cal i brat i on Dat e: 05/ 03/ 2012 02: 23

I nst rument I D: GCS_U2 Cal i b St art Dat e: 04/ 26/ 2012 15: 34

GC Col umn: HP-5 (30. 25) I D: 0. 25(mm) Cal i b End Dat e: 04/ 26/ 2012 18: 01

Lab Fi l e I D: 077B2901. D

Anal yt e	RT	RT WI NDOW	
		TO	FROM
Di esel Range Organi cs [C10-C28]	7. 48	3. 50	11. 47
C10-C36	8. 48	3. 50	13. 47
o-Terphenyl	8. 48	8. 42	8. 54
n-Oct acosane	11. 45	11. 39	11. 53

Data File: 077B2901.D
Report Date: 09-May-2012 09:50

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\077B2901.D
Lab Smp Id: CCV-1348584
Inj Date : 03-MAY-2012 02:23
Operator : MB Inst ID: GC_U2.i
Smp Info : CCV-1348584,D
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 77 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)
$ 1 o-Terphenyl	8.480	8.480	0.000	77520	25.0000	28.18(M)
S 9 C10-C36	3.500-13.467			9005994	5000.00	5593(M)
S 8 C10-C28	3.500-11.467			9003712	5000.00	5596(M)
$ 11 n-Octacosane	11.451	11.458	-0.007	49715	25.0000	26.42(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 077B2901.D

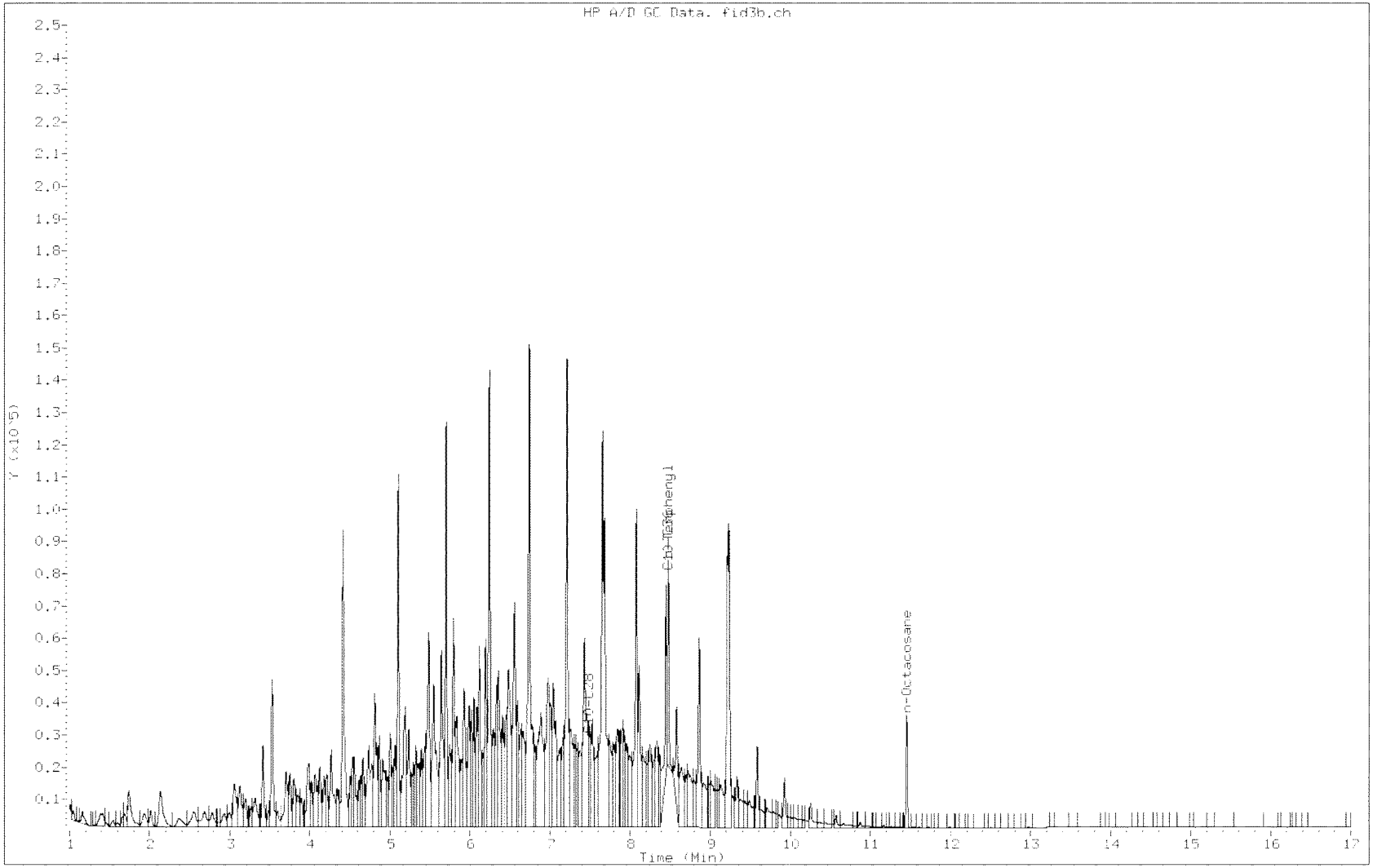
Date: 03-MAY-2012 02:23

Client ID:

Instrument: GC_U2.i

Sample Info: CCV-1348584,D

Operator: MB



Manual Integration Report

Data File: 077B2901.D
Inj. Date and Time: 03-MAY-2012 02:23
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 05/09/2012

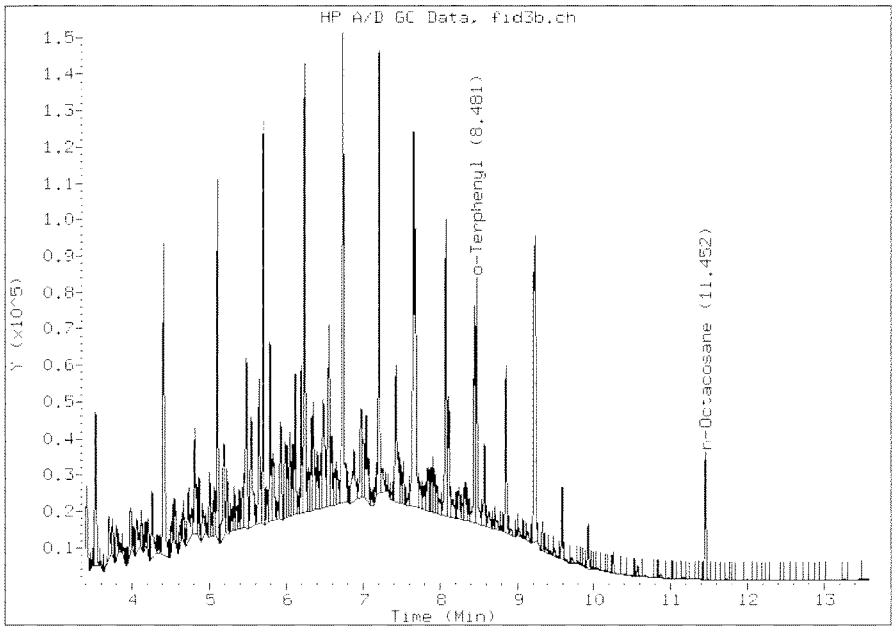
Processing Integration Results

RT: 8.48

Response: 3809374

Amount: 2365.88

Conc: 2365.88



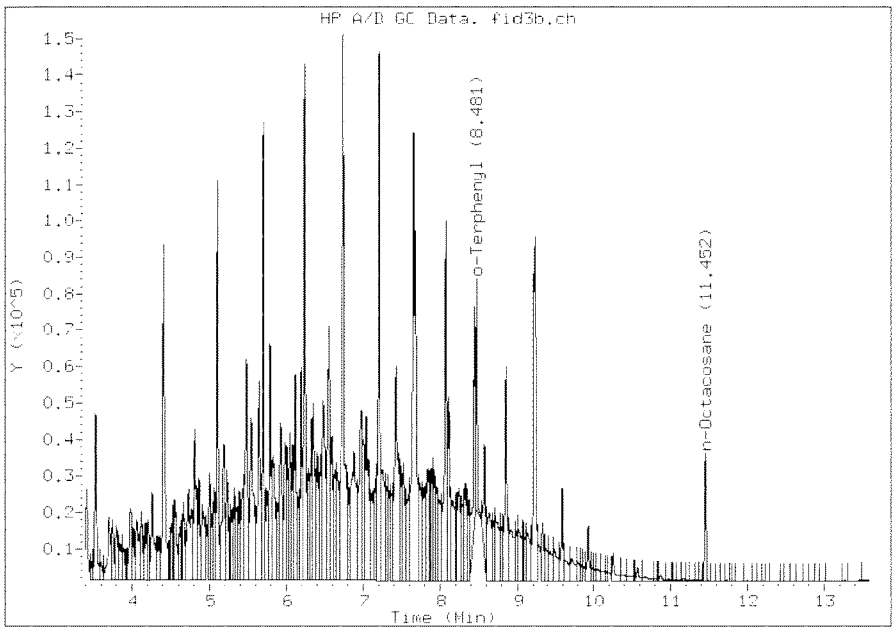
Manual Integration Results

RT: 8.48

Response: 9005994

Amount: 5593.33

Conc: 5593.33



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 077B2901.D
Inj. Date and Time: 03-MAY-2012 02:23
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

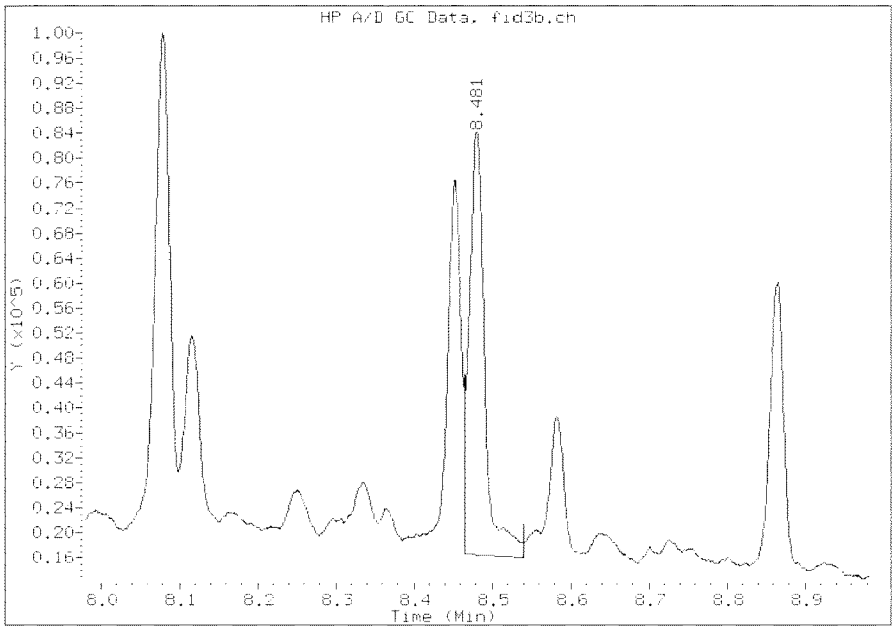
Processing Integration Results

RT: 8.48

Response: 91013

Amount: 33.09

Conc: 33.09



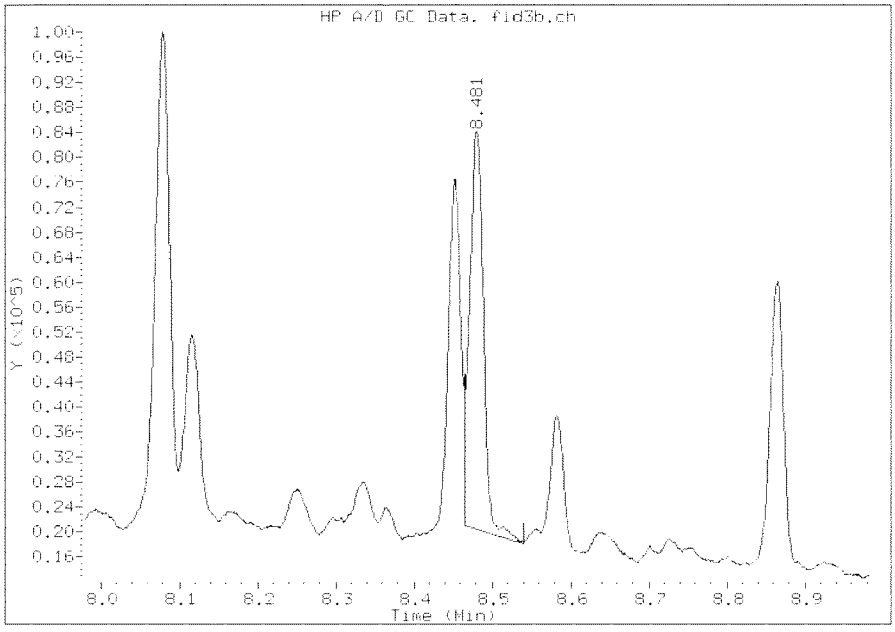
Manual Integration Results

RT: 8.48

Response: 77520

Amount: 28.19

Conc: 28.19



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 077B2901.D
Inj. Date and Time: 03-MAY-2012 02:23
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

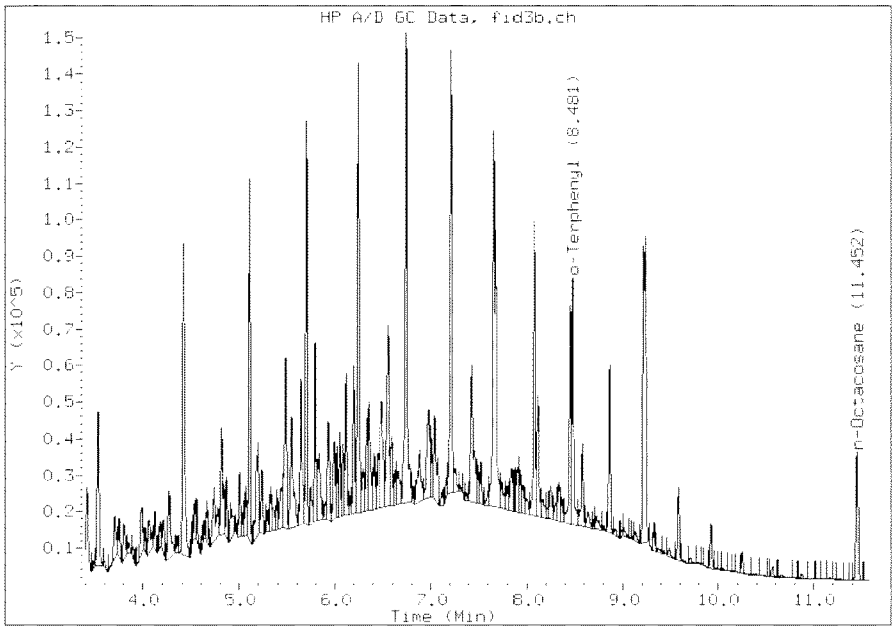
Processing Integration Results

RT: 7.48

Response: 3807704

Amount: 2366.57

Conc: 2366.57



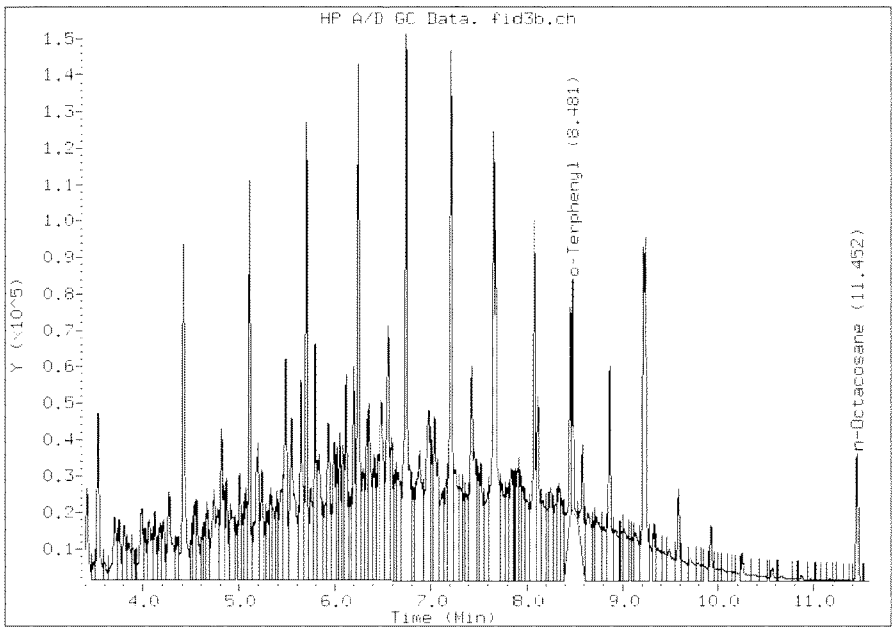
Manual Integration Results

RT: 7.48

Response: 9003712

Amount: 5596.00

Conc: 5596.00



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 077B2901.D
Inj. Date and Time: 03-MAY-2012 02:23
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 05/09/2012

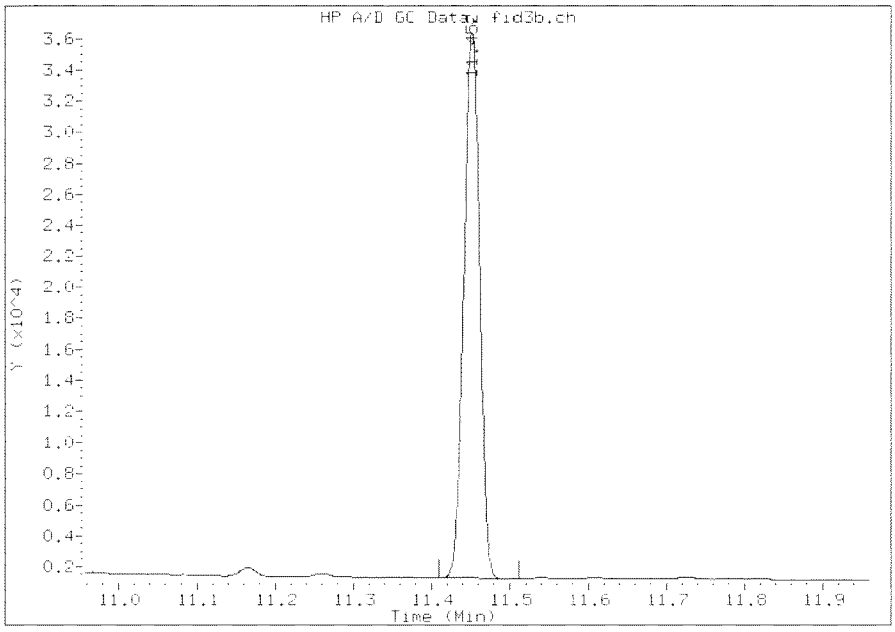
Processing Integration Results

RT: 11.45

Response: 49203

Amount: 26.15

Conc: 26.15



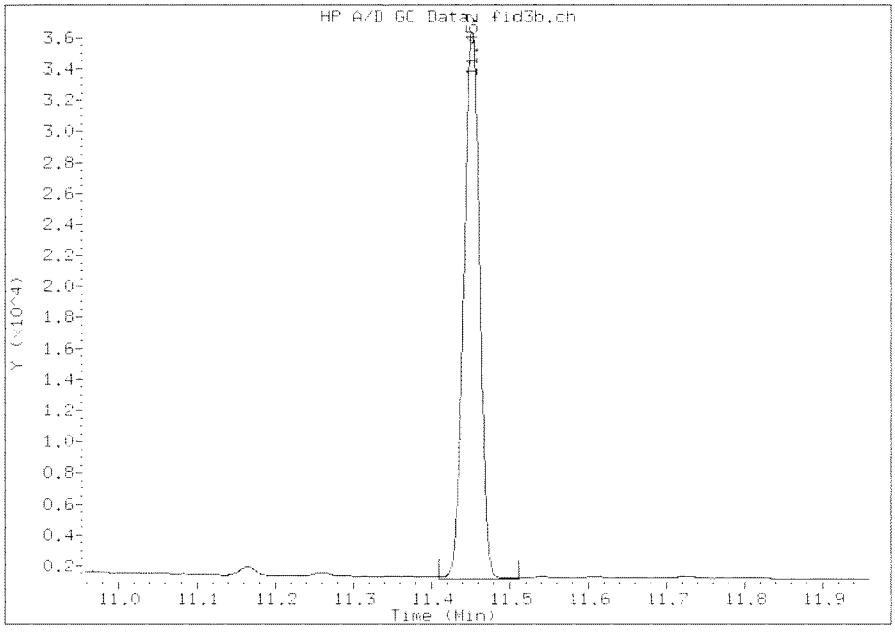
Manual Integration Results

RT: 11.45

Response: 49715

Amount: 26.42

Conc: 26.42



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:50
Manual Integration Reason: Baseline Event

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119005/18 | Calibration Date: 05/03/2012 08:28

Instrument ID: GCS_U2 | Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) | Calib End Date: 04/26/2012 18:01

Lab File ID: 092B4401.D | Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	1609	1771		5500	5000	10.1	15.0
C10-C36	Ave	1610	1772		5500	5000	10.0	15.0
o-Terphenyl	Ave	2750	3007		27.3	25.0	9.3	15.0
n-Octacosane	Ave	1881	1962		26.1	25.0	4.3	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: CCV 280-119005/18 Calibration Date: 05/03/2012 08:28

Instrument ID: GCS_U2 Calib Start Date: 04/26/2012 15:34

GC Column: HP-5 (30.25) ID: 0.25(mm) Calib End Date: 04/26/2012 18:01

Lab File ID: 092B4401.D

Analyte	RT	RT WINDOW	
		TO	FROM
Diesel Range Organics [C10-C28]	7.48	3.50	11.47
C10-C36	8.48	3.50	13.47
o-Terphenyl	8.48	8.42	8.54
n-Octacosane	11.46	11.39	11.53

Data File: 092B4401.D
Report Date: 09-May-2012 09:54

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\092B4401.D
Lab Smp Id: CCV-1348584
Inj Date : 03-MAY-2012 08:28
Operator : MB Inst ID: GC_U2.i
Smp Info : CCV-1348584,D
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:53 GC_U2.i Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 92 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
$ 1 o-Terphenyl	8.481	8.480	0.001	75181	25.0000	27.34(M)
S 9 C10-C36	3.500-13.467			8857525	5000.00	5501(M)
S 8 C10-C28	3.500-11.467			8855350	5000.00	5504(M)
$ 11 n-Octacosane	11.456	11.458	-0.002	49053	25.0000	26.07(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 092B4401.D

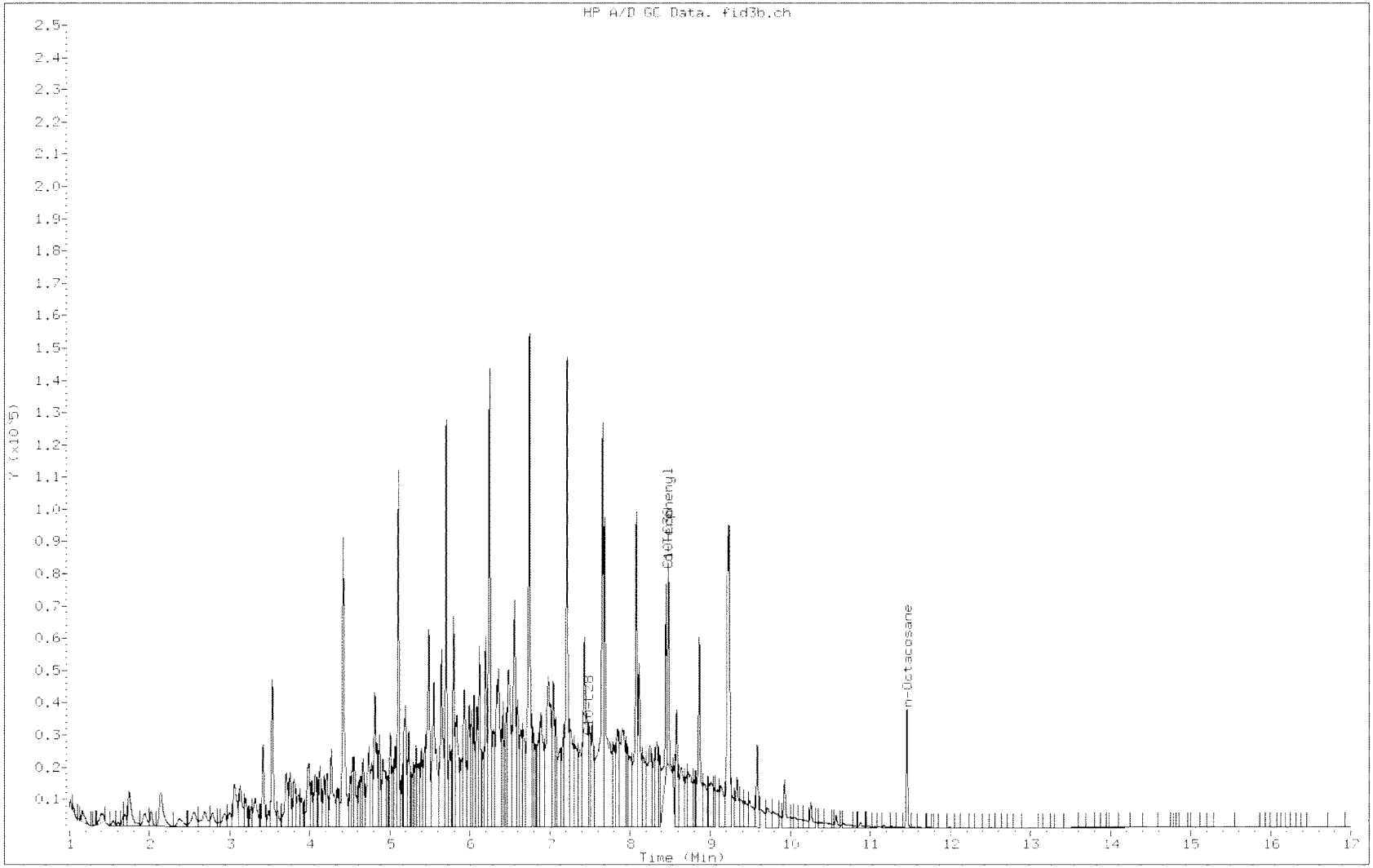
Date: 03-MAY-2012 08:28

Client ID:

Instrument: GC_U2.i

Sample Info: CCV-1348584,D

Operator: MB



Manual Integration Report

Data File: 092B4401.D
Inj. Date and Time: 03-MAY-2012 08:28
Instrument ID: GC_U2.i
Client ID:
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 05/09/2012

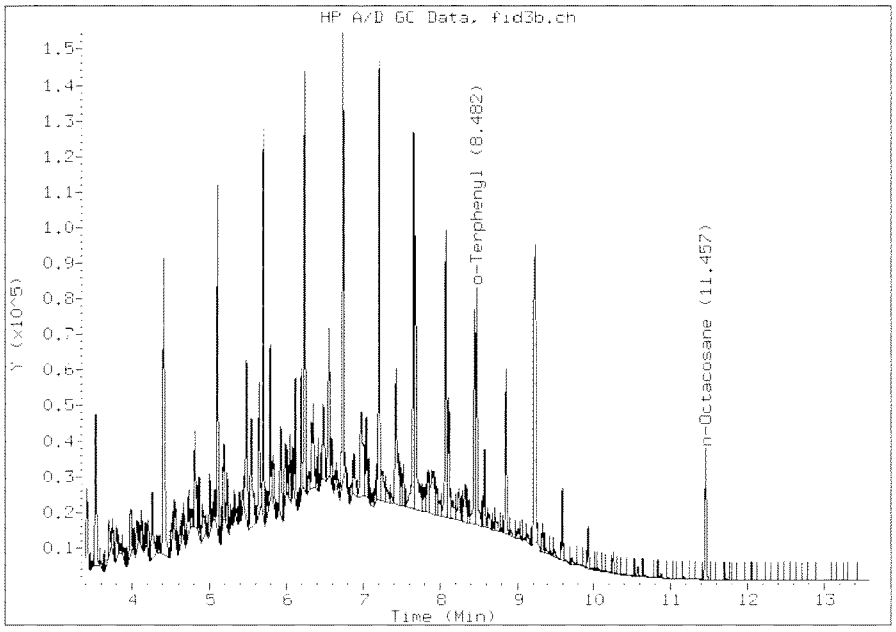
Processing Integration Results

RT: 8.48

Response: 3285591

Amount: 2040.57

Conc: 2040.57



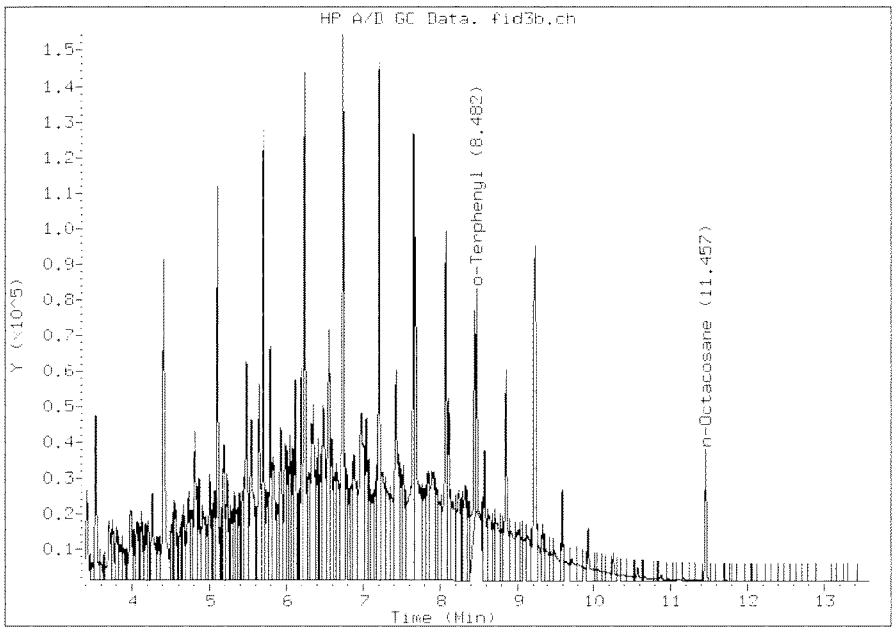
Manual Integration Results

RT: 8.48

Response: 8857525

Amount: 5501.12

Conc: 5501.12



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 092B4401.D
Inj. Date and Time: 03-MAY-2012 08:28
Instrument ID: GC_U2.i
Client ID:
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 05/09/2012

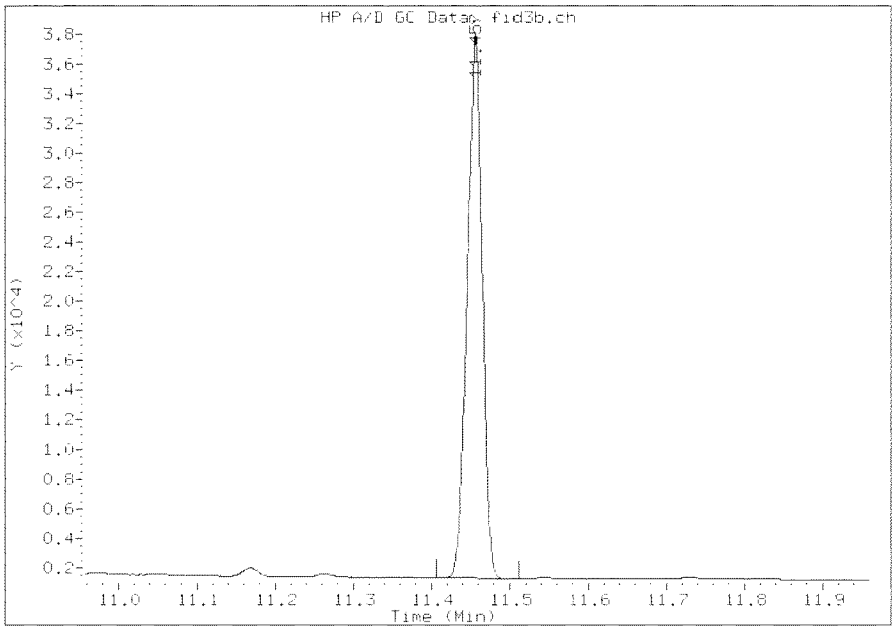
Processing Integration Results

RT: 11.46

Response: 48480

Amount: 25.77

Conc: 25.77



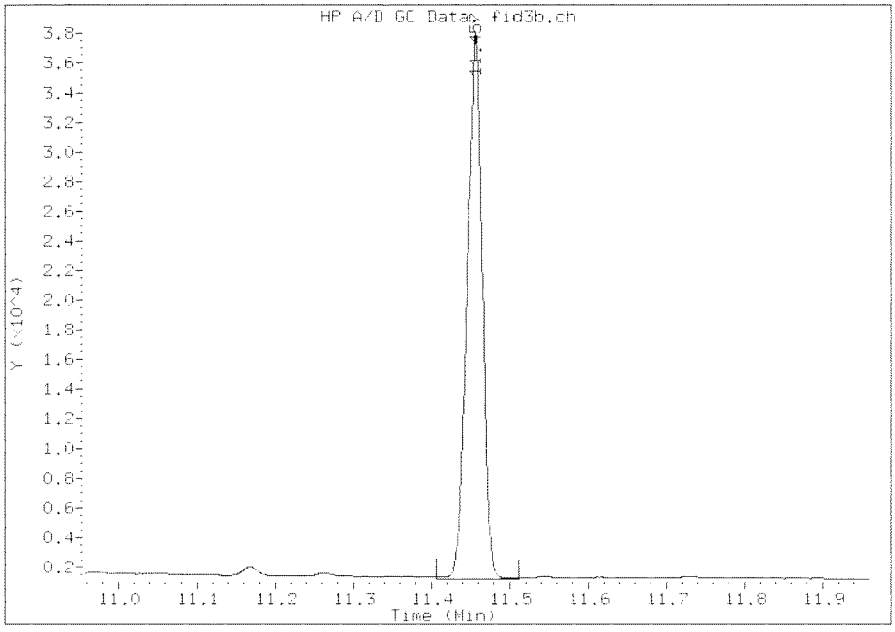
Manual Integration Results

RT: 11.46

Response: 49053

Amount: 26.07

Conc: 26.07



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 092B4401.D
Inj. Date and Time: 03-MAY-2012 08:28
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

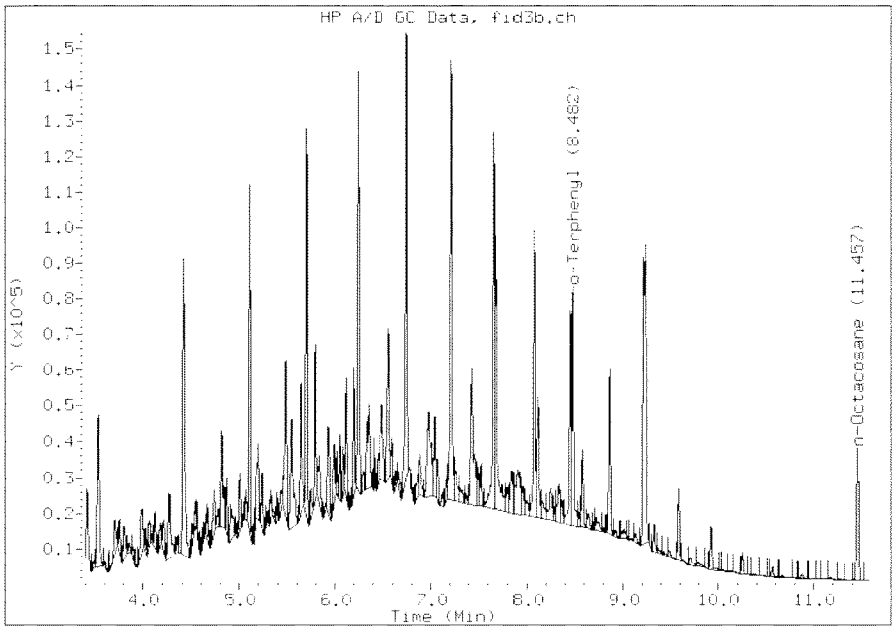
Processing Integration Results

RT: 7.48

Response: 3284071

Amount: 2041.12

Conc: 2041.12



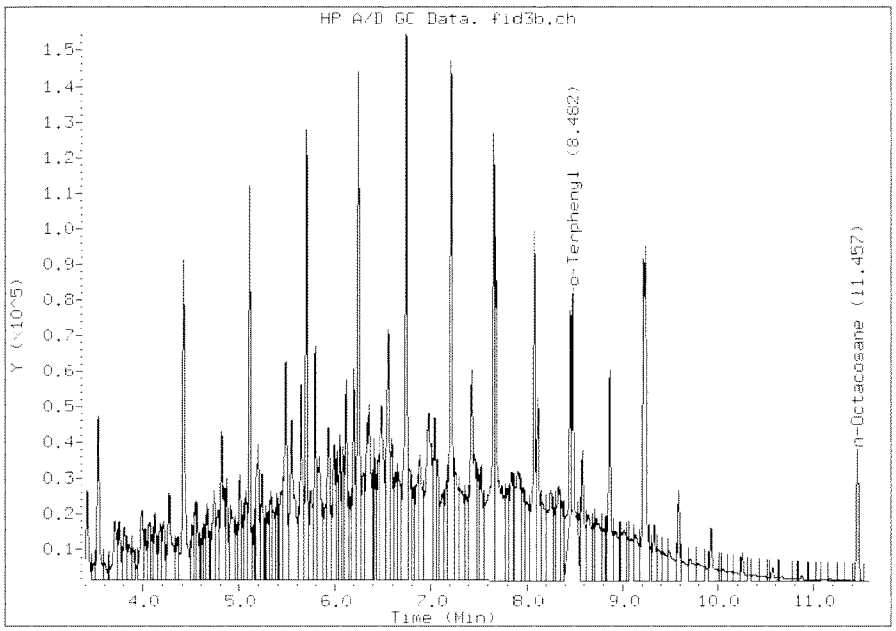
Manual Integration Results

RT: 7.48

Response: 8855350

Amount: 5503.79

Conc: 5503.79



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 092B4401.D
Inj. Date and Time: 03-MAY-2012 08:28
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

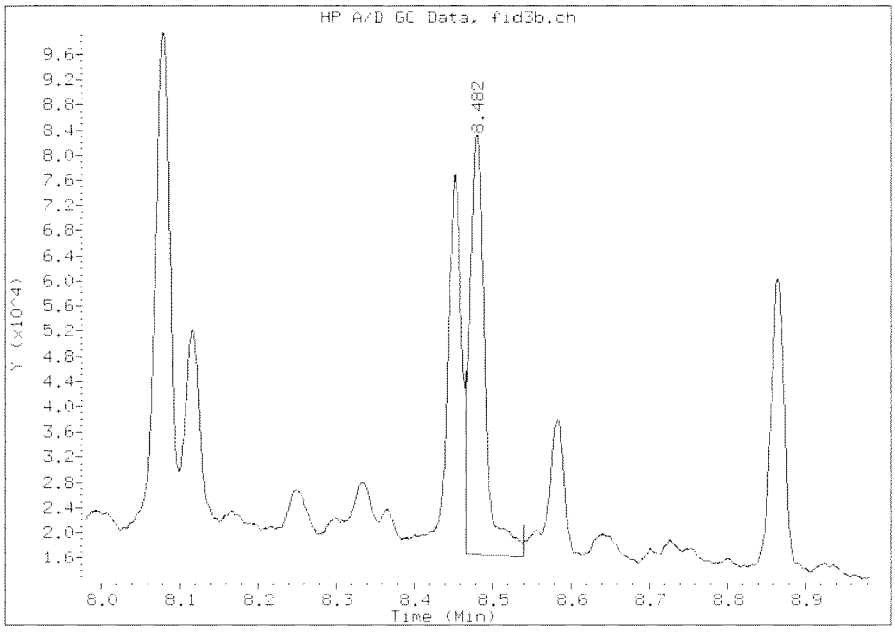
Processing Integration Results

RT: 8.48

Response: 89607

Amount: 32.58

Conc: 32.58



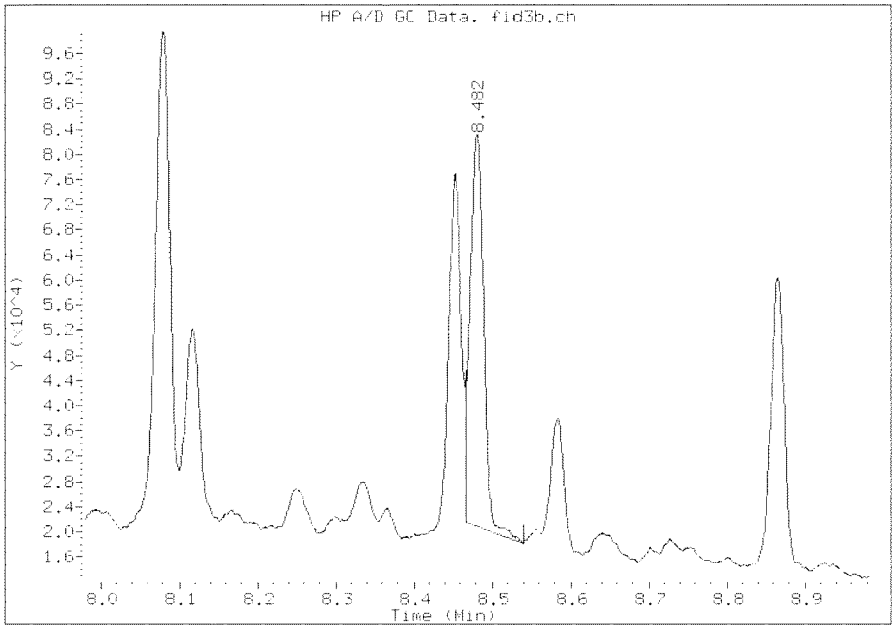
Manual Integration Results

RT: 8.48

Response: 75181

Amount: 27.34

Conc: 27.34



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:54
Manual Integration Reason: Baseline Event

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-117191/1-A

Matrix: Water | Lab File ID: 078B3001.D

Analysis Method: 8015B | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/26/2012 17:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/03/2012 02:47

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: HP-5 (30.25) ID: 0.25(mm)

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

Analysis Batch No.: 119005 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	ND		0.25	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	72		50-115

Data File: 078B3001.D
Report Date: 09-May-2012 09:49

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\078B3001.D
Lab Smp Id: MB 280-117191/1-A
Inj Date : 03-MAY-2012 02:47
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1384352,91M
Misc Info : MB 280-117191_1-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 78 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Concentration Formula: Amt * DF * Vf / Vs * * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	1000.000	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
$	1 o-Terphenyl	8.449	8.480	-0.031	39758	14.4558	14.46
S	9 C10-C36	3.500-13.467			17422	10.8202	10.82
S	8 C10-C28	3.500-11.467			14702	9.13760	9.138
$	11 n-Octacosane	11.451	11.458	-0.007	37638	20.0054	20.00

Data File: 078B3001.D

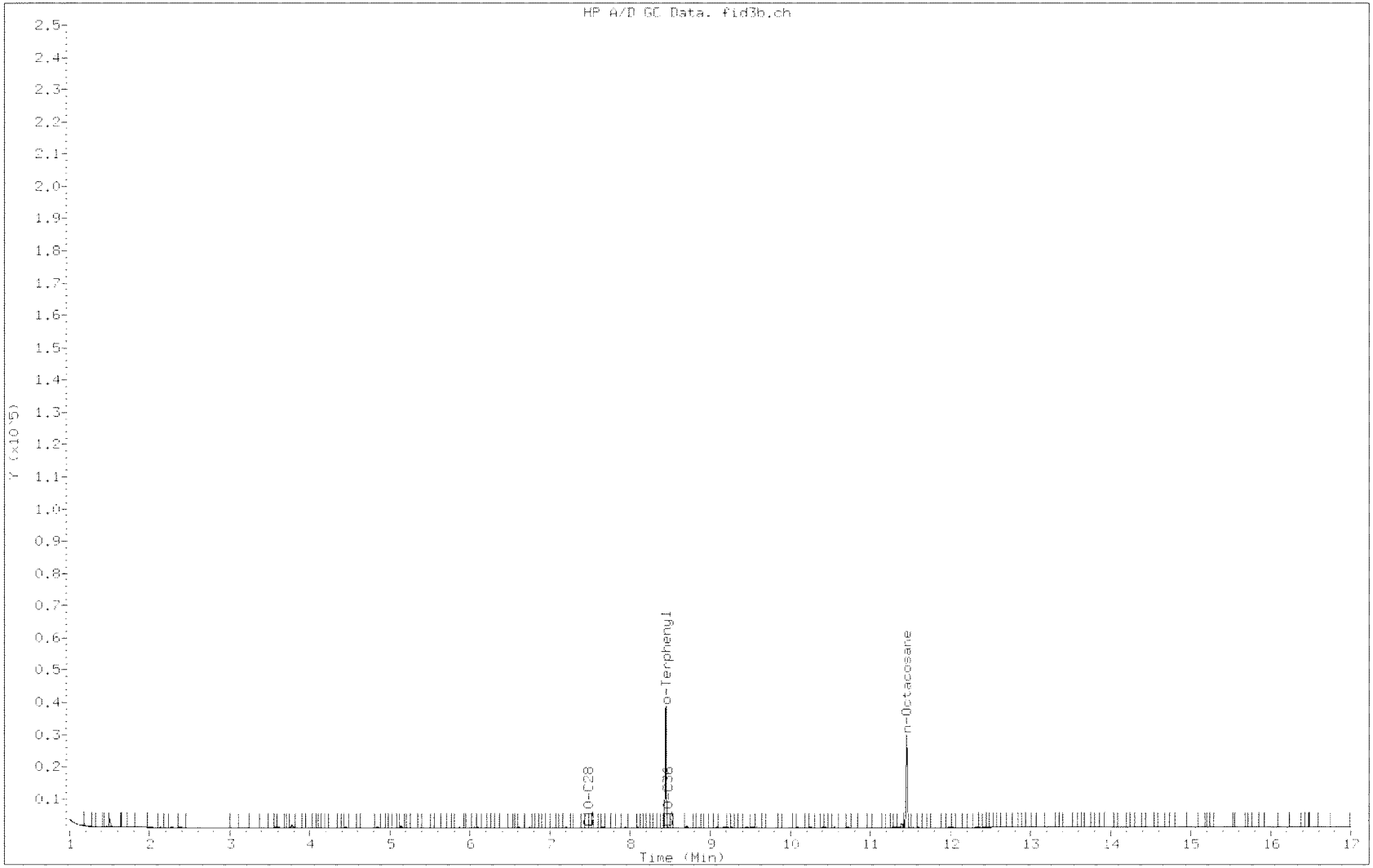
Date: 03-MAY-2012 02:47

Client ID:

Instrument: GC_U2.i

Sample Info: 280-1384352,91M

Operator: MB



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-117191/2-A

Matrix: Water | Lab File ID: 079B3101.D

Analysis Method: 8015B | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/26/2012 17:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/03/2012 03:12

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: HP-5 (30.25) ID: 0.25(mm)

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

Analysis Batch No.: 119005 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	2.14		0.25	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	83		50-115

Data File: 079B3101.D
Report Date: 09-May-2012 09:51

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\079B3101.D
Lab Smp Id: LCS 280-117191/2-A
Inj Date : 03-MAY-2012 03:12
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1384353,LCS
Misc Info : LCS 280-117191_2-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 79 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Concentration Formula: Amt * DF * Vf / Vs * * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	1000.000	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/L)
$	1 o-Terphenyl	8.449	8.480	-0.031	45748	16.6338	16.63(M)
S	9 C10-C36	3.500-13.467			3441885	2137.64	2138(M)
S	8 C10-C28	3.500-11.467			3441124	2138.73	2139(M)
$	11 n-Octacosane	11.454	11.458	-0.004	38545	20.4875	20.49(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 079B3101.D

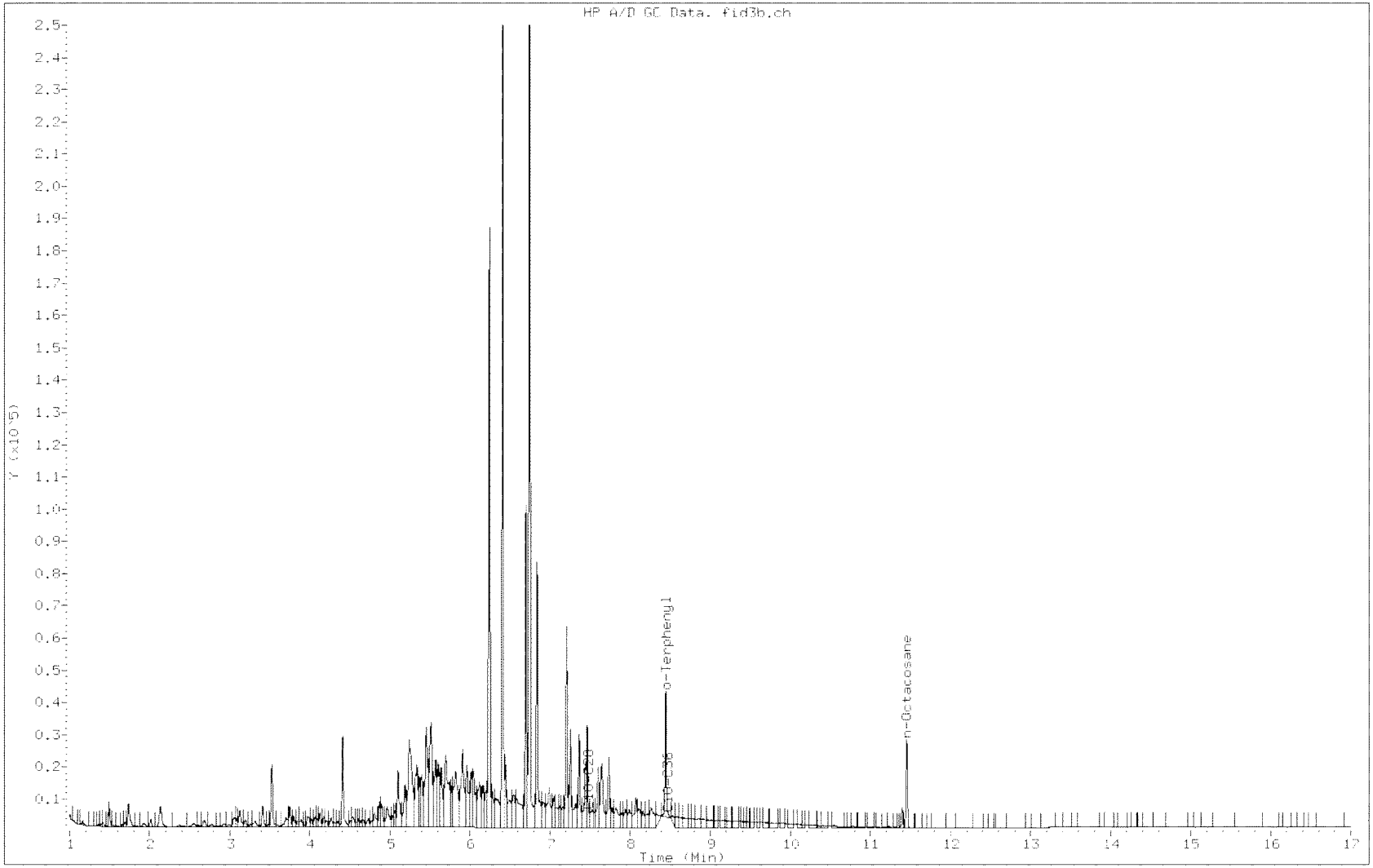
Date: 03-MAY-2012 03:12

Client ID:

Instrument: GC_U2.i

Sample Info: 280-1384353,LCS

Operator: MB



Manual Integration Report

Data File: 079B3101.D
Inj. Date and Time: 03-MAY-2012 03:12
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

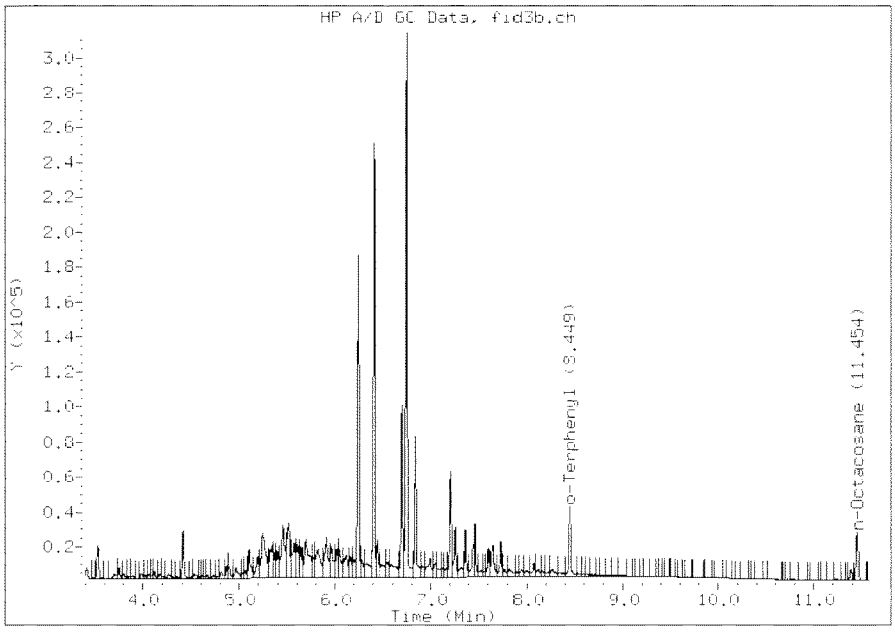
Processing Integration Results

RT: 7.48

Response: 2911302

Amount: 1809.44

Conc: 1809.44



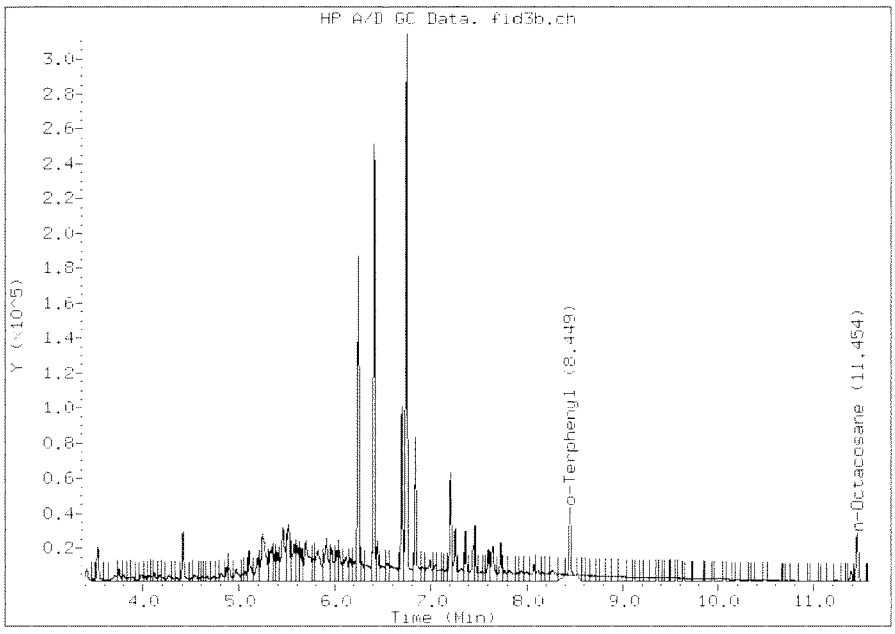
Manual Integration Results

RT: 7.48

Response: 3441124

Amount: 2138.73

Conc: 2138.73



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:51
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 079B3101.D
Inj. Date and Time: 03-MAY-2012 03:12
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

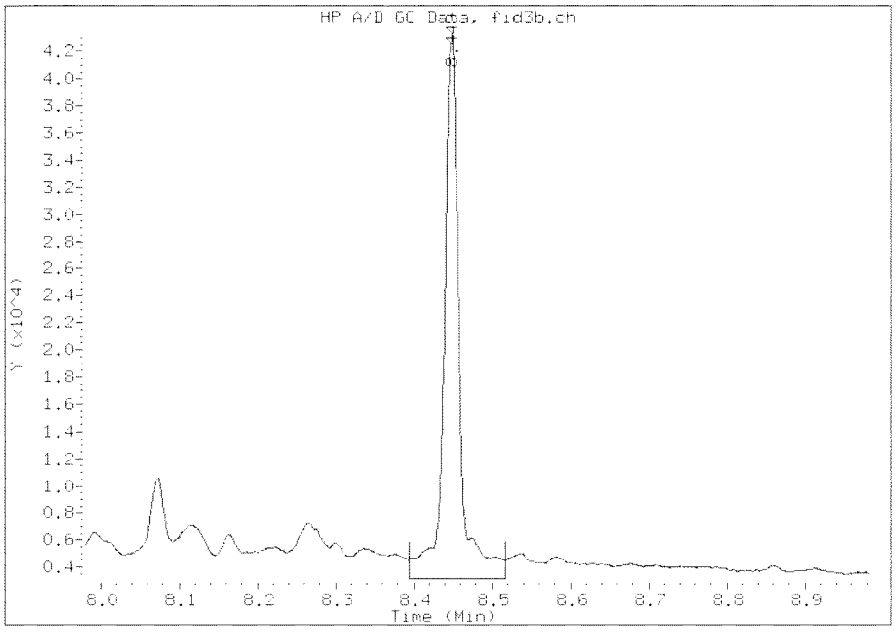
Processing Integration Results

RT: 8.45

Response: 55248

Amount: 20.09

Conc: 20.09



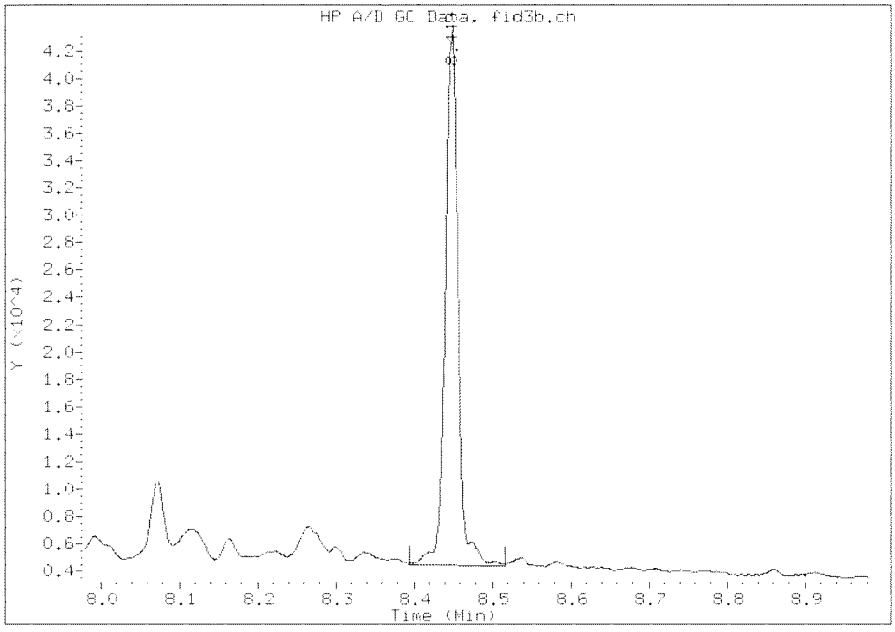
Manual Integration Results

RT: 8.45

Response: 45748

Amount: 16.63

Conc: 16.63



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:51
Manual Integration Reason: Baseline Event

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	LCSD 280-117191/3-A
Matrix:	Water	Lab File ID:	080B3201.D
Analysis Method:	8015B	Date Collected:	
Extraction Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	1000(mL)	Date Analyzed:	05/03/2012 03:36
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	GC Column:	HP-5 (30.25) ID: 0.25(mm)
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119005	Units:	mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	2.00		0.25	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	80		50-115

Data File: 080B3201.D
Report Date: 09-May-2012 09:51

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\080B3201.D
Lab Smp Id: LCSD 280-117191/3-A
Inj Date : 03-MAY-2012 03:36
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1384354,LSD
Misc Info : LCSD 280-117191_3-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 80 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Concentration Formula: Amt * DF * Vf / Vs * * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	1000.000	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 1	o-Terphenyl	8.449	8.480	-0.031	43780	15.9182	15.92(M)
S 9	C10-C36	3.500-13.467			3220269	2000.00	2000(M)
S 8	C10-C28	3.500-11.467			3219162	2000.78	2001(M)
$ 11	n-Octacosane	11.451	11.458	-0.007	36943	19.6360	19.64(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 080B3201.D

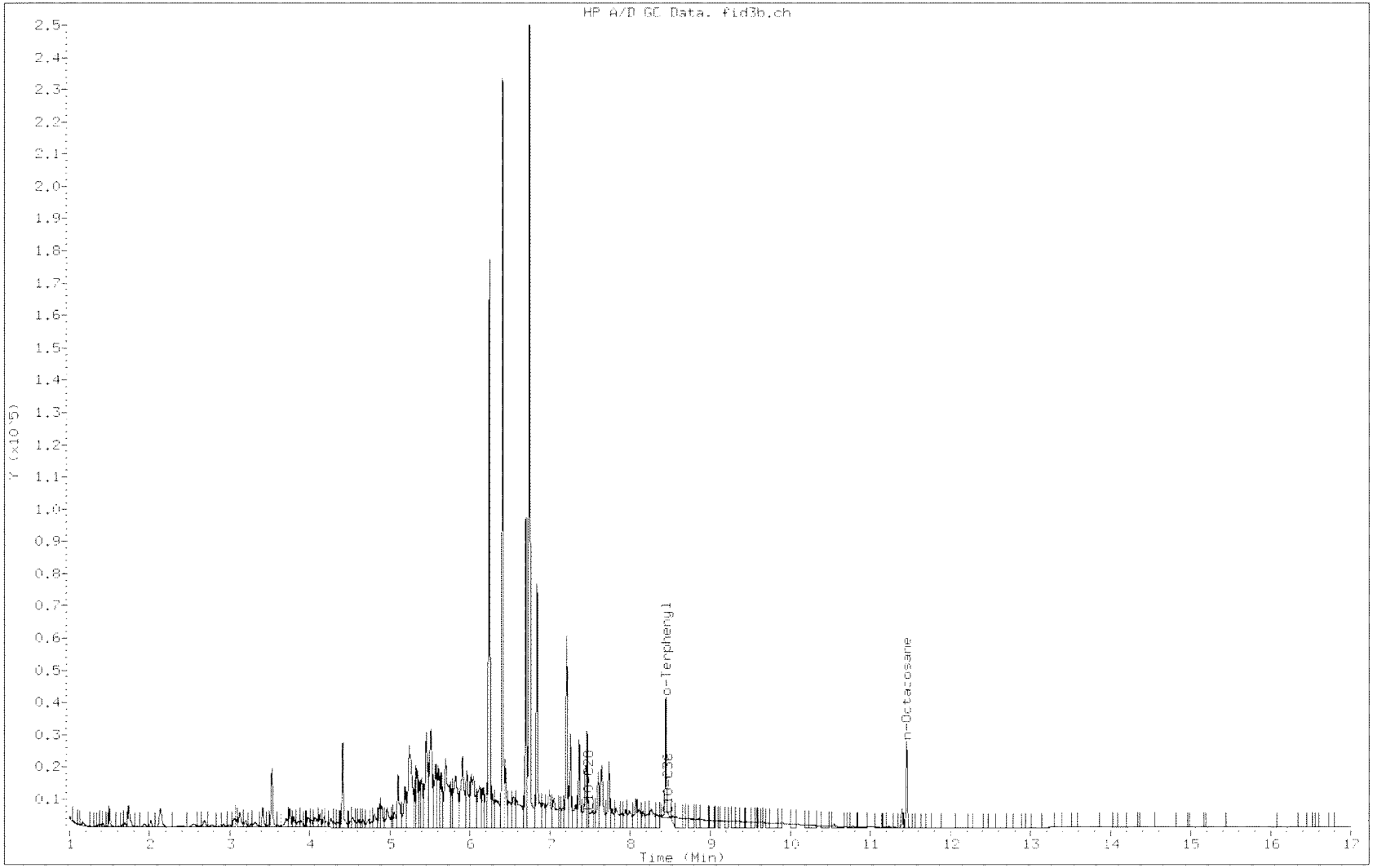
Date: 03-MAY-2012 03:36

Client ID:

Instrument: GC_U2.i

Sample Info: 280-1384354,LSD

Operator: MB



Manual Integration Report

Data File: 080B3201.D
Inj. Date and Time: 03-MAY-2012 03:36
Instrument ID: GC_U2.i
Client ID:
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

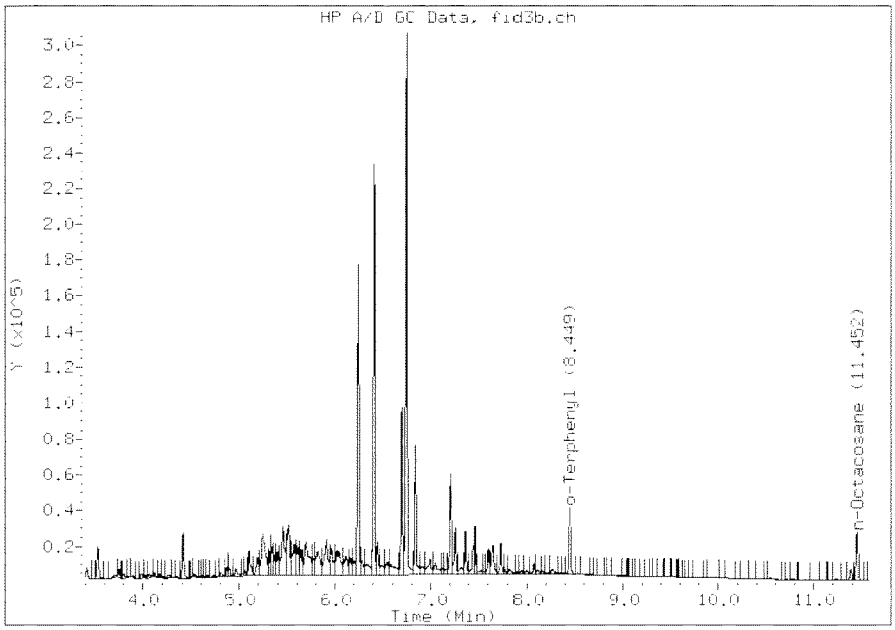
Processing Integration Results

RT: 7.48

Response: 2354678

Amount: 1463.48

Conc: 1463.48



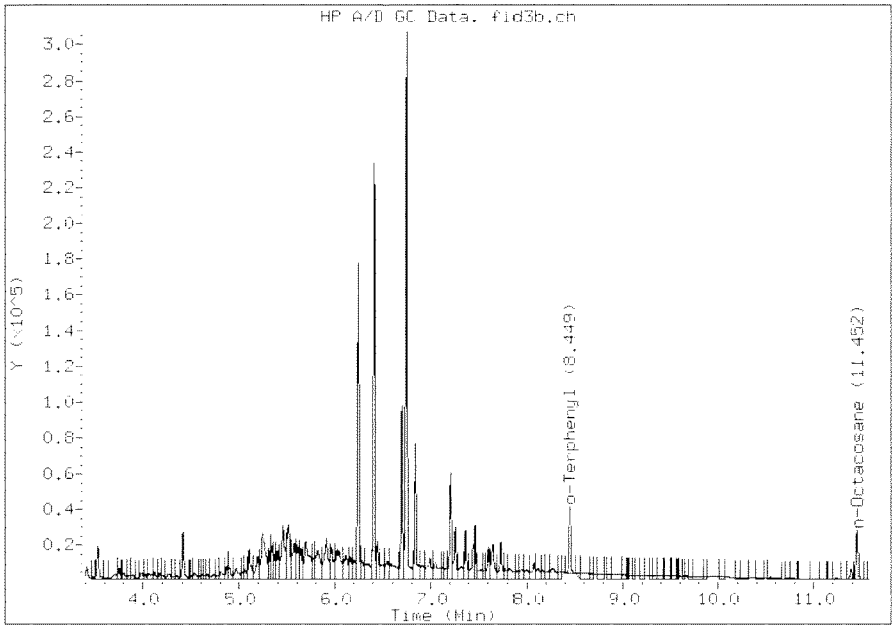
Manual Integration Results

RT: 7.48

Response: 3219162

Amount: 2000.78

Conc: 2000.78



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:51
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 080B3201.D
Inj. Date and Time: 03-MAY-2012 03:36
Instrument ID: GC_U2.i
Client ID:
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

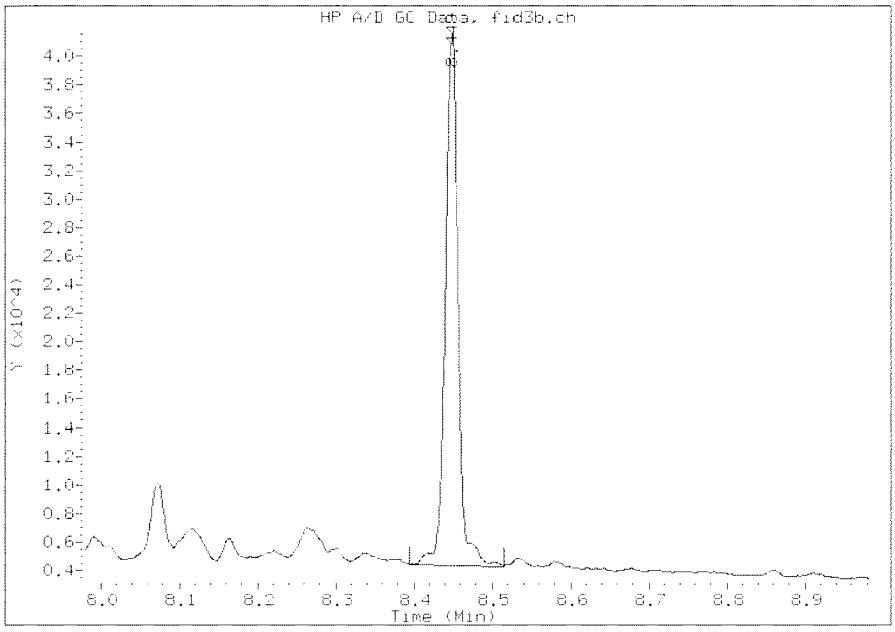
Processing Integration Results

RT: 8.45

Response: 43402

Amount: 15.78

Conc: 15.78



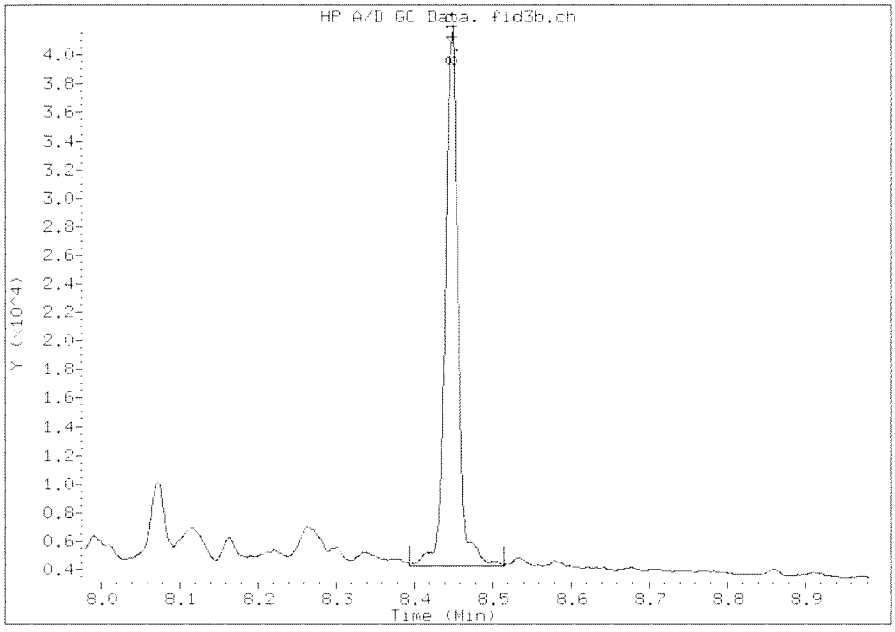
Manual Integration Results

RT: 8.45

Response: 43780

Amount: 15.92

Conc: 15.92



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:51
Manual Integration Reason: Baseline Event

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	280-28131-C-4-A MS
Matrix:	Water	Lab File ID:	085B3701.D
Analysis Method:	8015B	Date Collected:	
Extraction Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	899.8(mL)	Date Analyzed:	05/03/2012 05:37
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	GC Column: HP-5 (30.25)	ID: 0.25(mm)
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119005	Units:	mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	2.49		0.28	0.036

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		50-115

Data File: 085B3701.D
Report Date: 09-May-2012 09:51

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\085B3701.D
Lab Smp Id: 280-28131-C-4-A MS Client Smp ID: 431525108371901
Inj Date : 03-MAY-2012 05:37
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1384359,MS
Misc Info : 280-28131-C-4-A MS
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 85 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Concentration Formula: Amt * DF * Vf / Vs * * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	899.800	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/ml)	(ug/L)
$ 1 o-Terphenyl	8.449	8.480	-0.031	47590		17.3035	19.23(M)
S 9 C10-C36	3.500-13.467			3608236		2240.96	2490(M)
S 8 C10-C28	3.500-11.467			3607008		2241.83	2491(M)
$ 11 n-Octacosane	11.454	11.458	-0.004	41183		21.8896	24.33(M)

QC Flag Legend

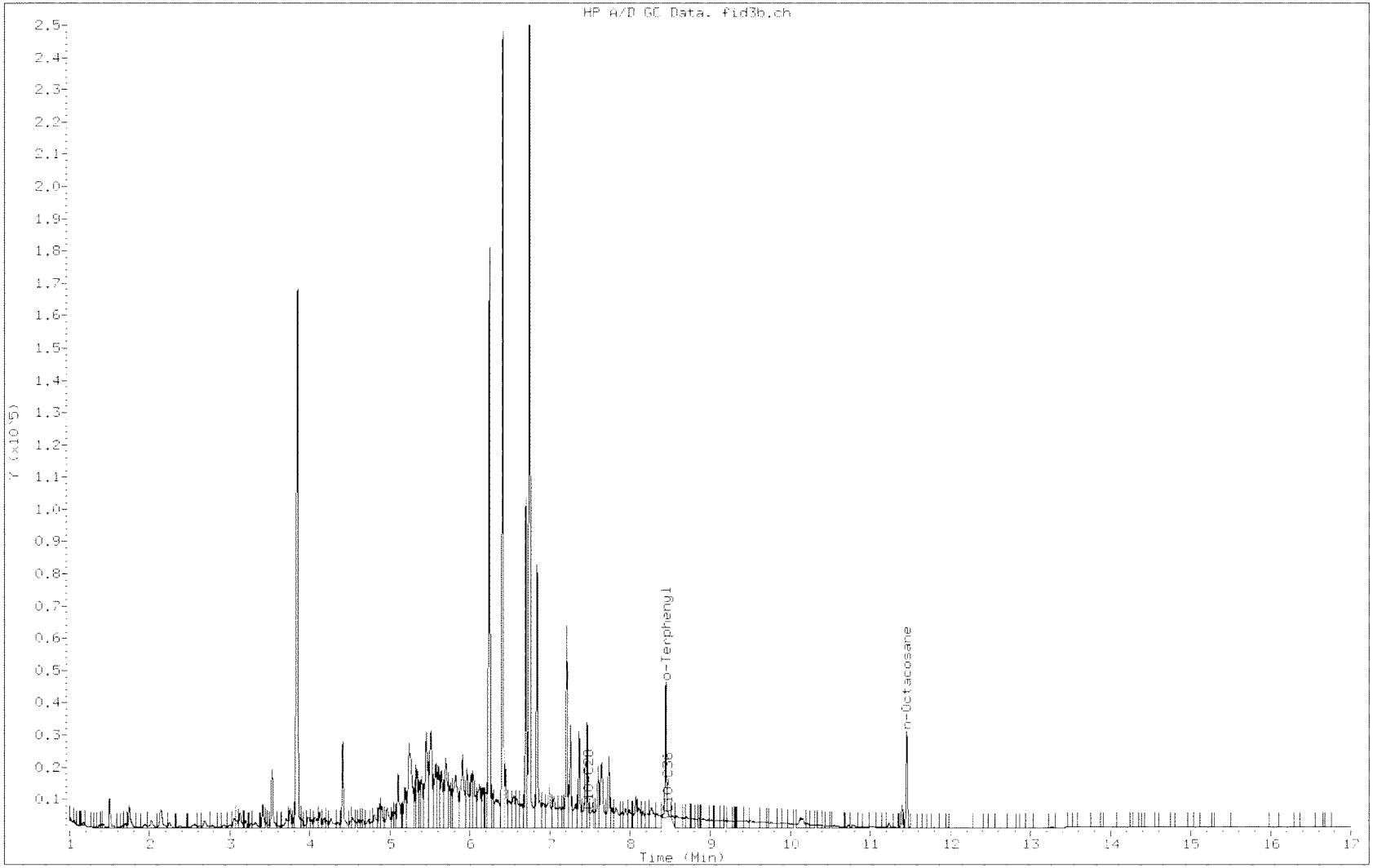
M - Compound response manually integrated.

Data File: 085B3701.D

Date: 03-MAY-2012 05:37

Client ID: 431525108371901 Instrument: GC_U2.i

Sample Info: 280-1384359,MS Operator: MB



Manual Integration Report

Data File: 085B3701.D
Inj. Date and Time: 03-MAY-2012 05:37
Instrument ID: GC_U2.i
Client ID: 431525108371901
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

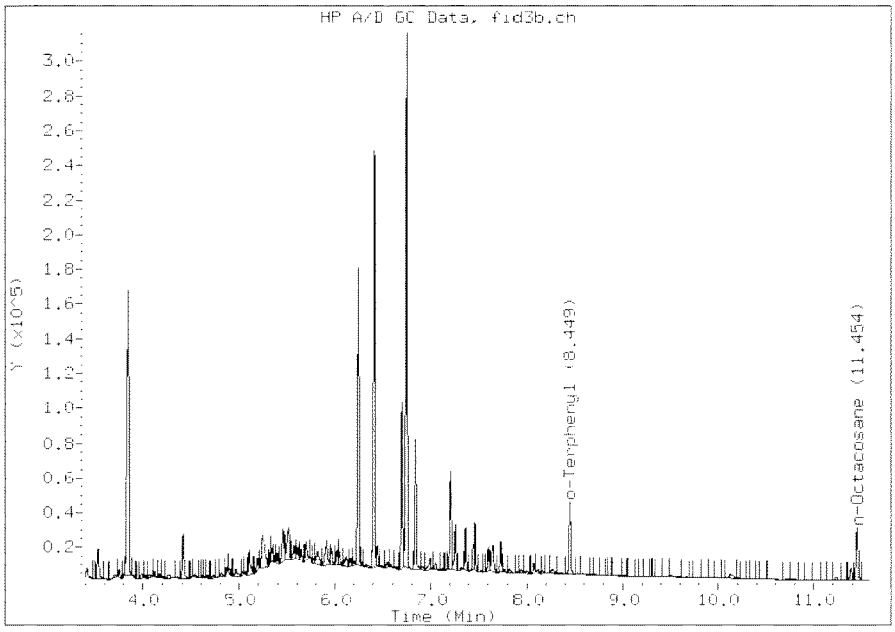
Processing Integration Results

RT: 7.48

Response: 1952743

Amount: 1213.67

Conc: 1348.82



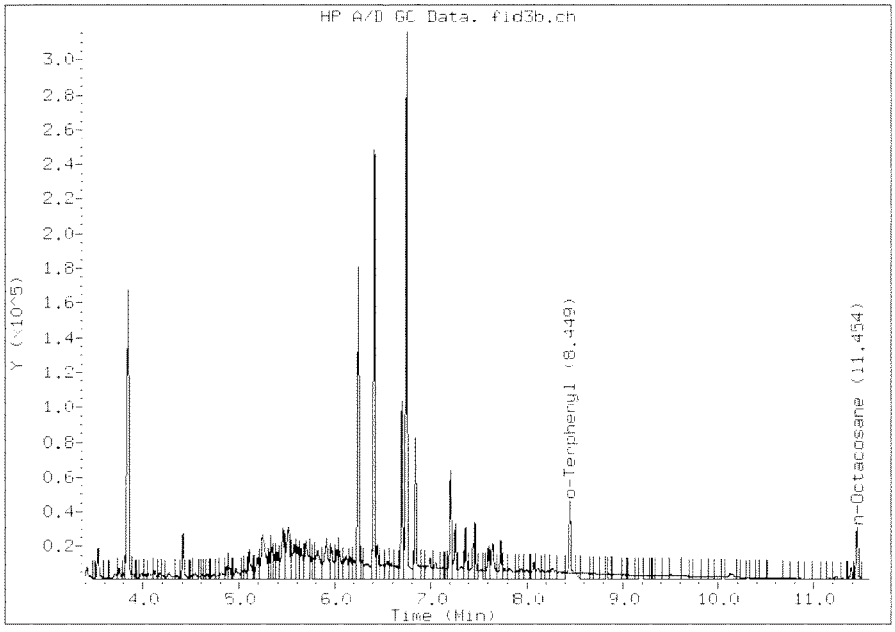
Manual Integration Results

RT: 7.48

Response: 3607008

Amount: 2241.83

Conc: 2491.48



Manually Integrated By: birdsellm
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 085B3701.D
Inj. Date and Time: 03-MAY-2012 05:37
Instrument ID: GC_U2.i
Client ID: 431525108371901
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

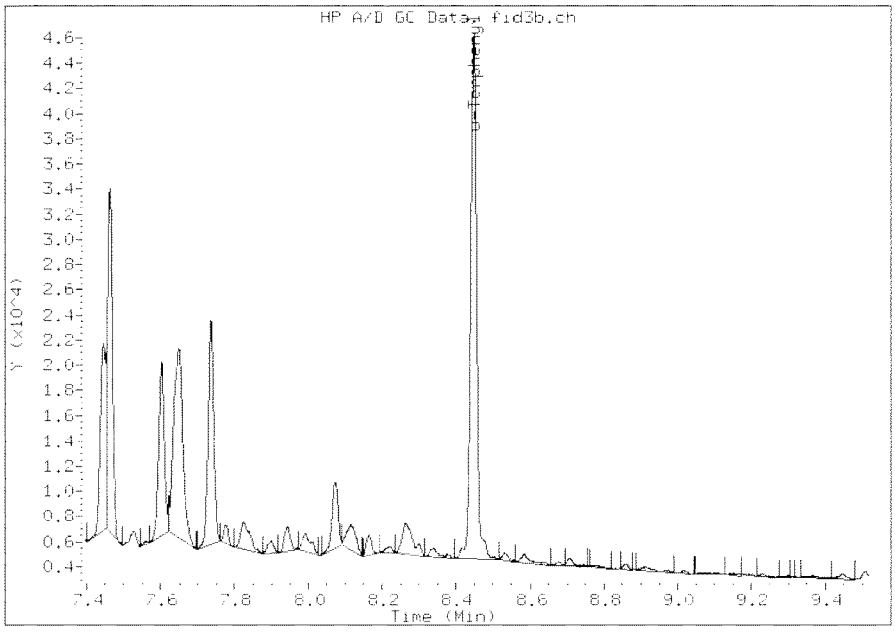
Processing Integration Results

RT: 8.45

Response: 46910

Amount: 17.06

Conc: 18.96



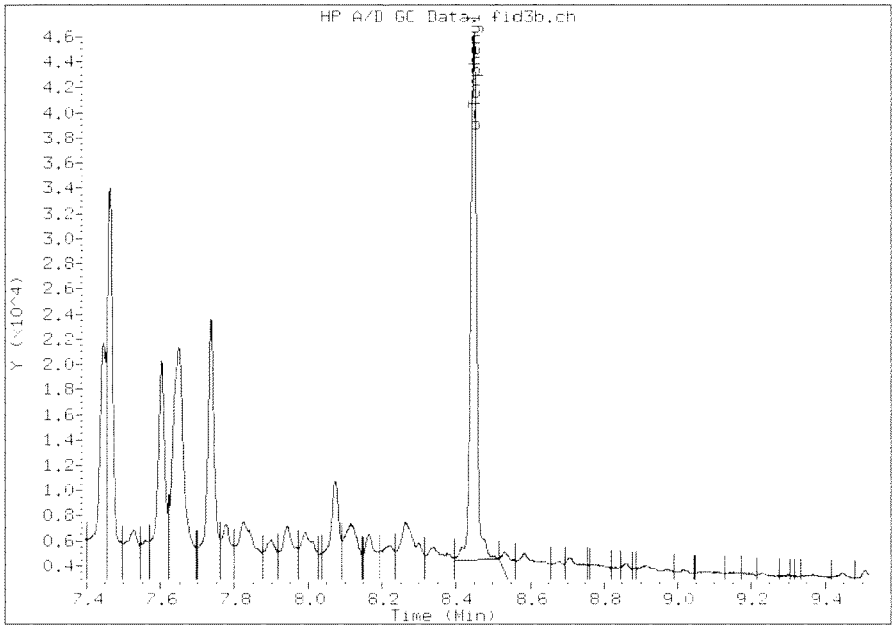
Manual Integration Results

RT: 8.45

Response: 47590

Amount: 17.30

Conc: 19.23



Manually Integrated By: birdsellm
Manual Integration Reason: Baseline Event

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name:	Test America Denver	Job No.:	280-28076-1
SDG No.:			
Client Sample ID:		Lab Sample ID:	280-28131-E-4-A MSD
Matrix:	Water	Lab File ID:	086B3801.D
Analysis Method:	8015B	Date Collected:	
Extraction Method:	3510C	Date Extracted:	04/26/2012 17:00
Sample wt/vol:	973.6(mL)	Date Analyzed:	05/03/2012 06:01
Con. Extract Vol.:	1000(uL)	Dilution Factor:	1
Injection Volume:	1(uL)	GC Column: HP-5 (30.25)	ID: 0.25(mm)
% Moisture:		GPC Cleanup: (Y/N)	N
Analysis Batch No.:	119005	Units:	mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	2.16		0.26	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	79		50-115

Data File: 086B3801.D
Report Date: 09-May-2012 09:52

TestAmerica

SW846 8015 mod.

Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\086B3801.D
Lab Smp Id: 280-28131-E-4-A MSD Client Smp ID: 431525108371901
Inj Date : 03-MAY-2012 06:01
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1384360,MSD
Misc Info : 280-28131-E-4-A MSD
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_U2.i\050212r2.B\DR02.m
Meth Date : 09-May-2012 09:49 birdsellm Quant Type: ESTD
Cal Date : 26-APR-2012 18:01 Cal File: 010B1001.D
Als bottle: 86 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-28(DRO).sub
Target Version: 4.14
Processing Host: DENPC248

Concentration Formula: Amt * DF * Vf / Vs * * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	973.600	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 1 o-Terphenyl	8.449	8.480	-0.031	43505	15.8182	16.25(M)
S 9 C10-C36	3.500-13.467			3384275	2101.86	2159(M)
S 8 C10-C28	3.500-11.467			3383304	2102.79	2160(M)
$ 11 n-Octacosane	11.454	11.458	-0.004	37198	19.7715	20.31(M)

QC Flag Legend

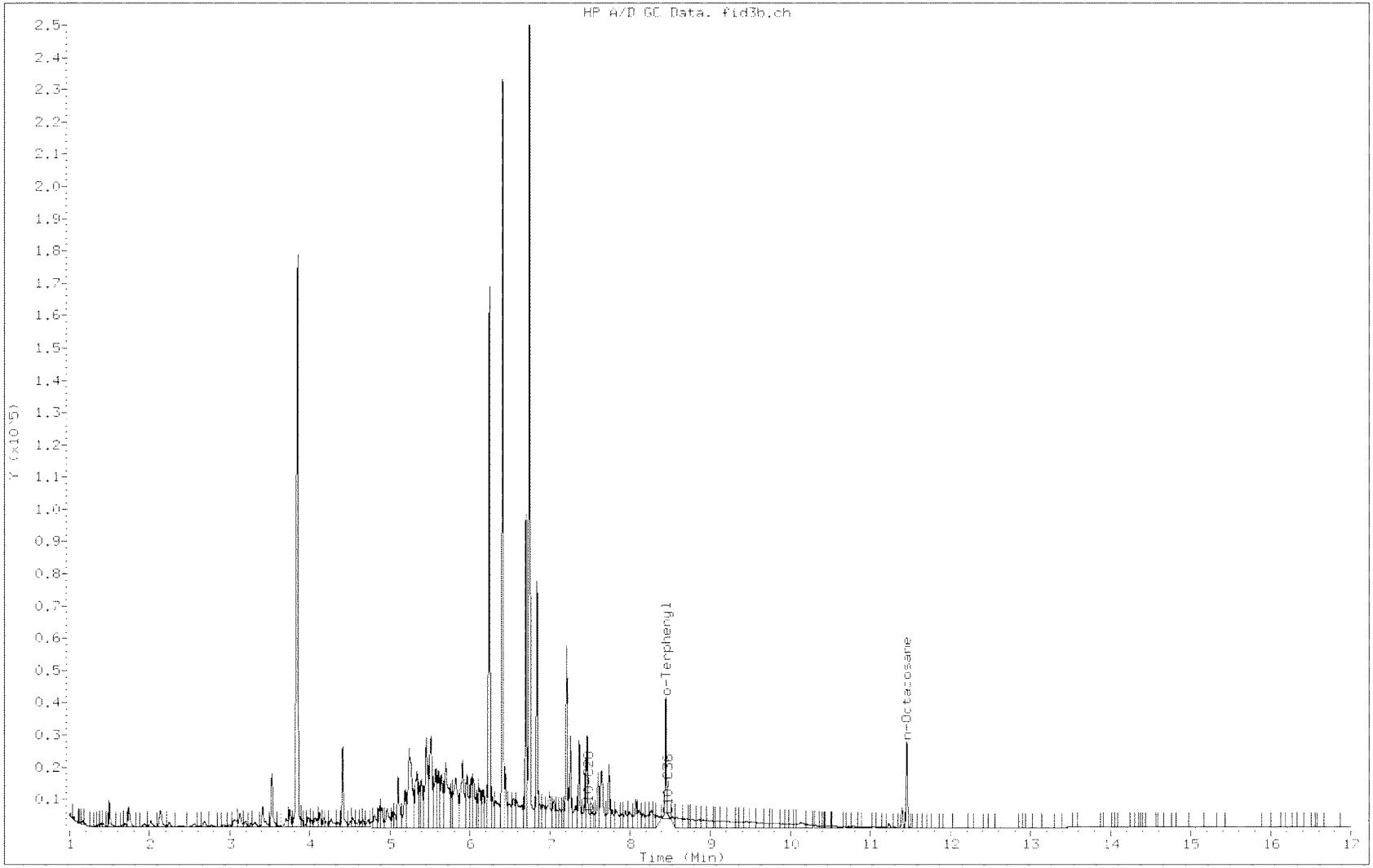
M - Compound response manually integrated.

Data File: 086B3801.D

Date: 03-MAY-2012 06:01

Client ID: 431525108371901 Instrument: GC_U2.i

Sample Info: 280-1384360,MSD Operator: MB



Manual Integration Report

Data File: 086B3801.D
Inj. Date and Time: 03-MAY-2012 06:01
Instrument ID: GC_U2.i
Client ID: 431525108371901
Compound: 8 C10-C28
CAS #: STL00143
Report Date: 05/09/2012

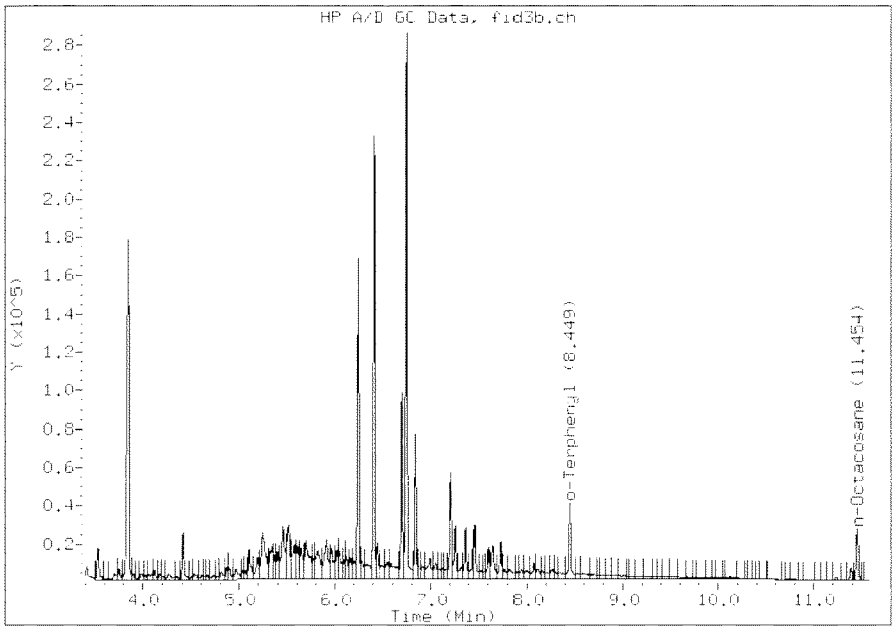
Processing Integration Results

RT: 7.48

Response: 3192947

Amount: 1984.48

Conc: 2038.29



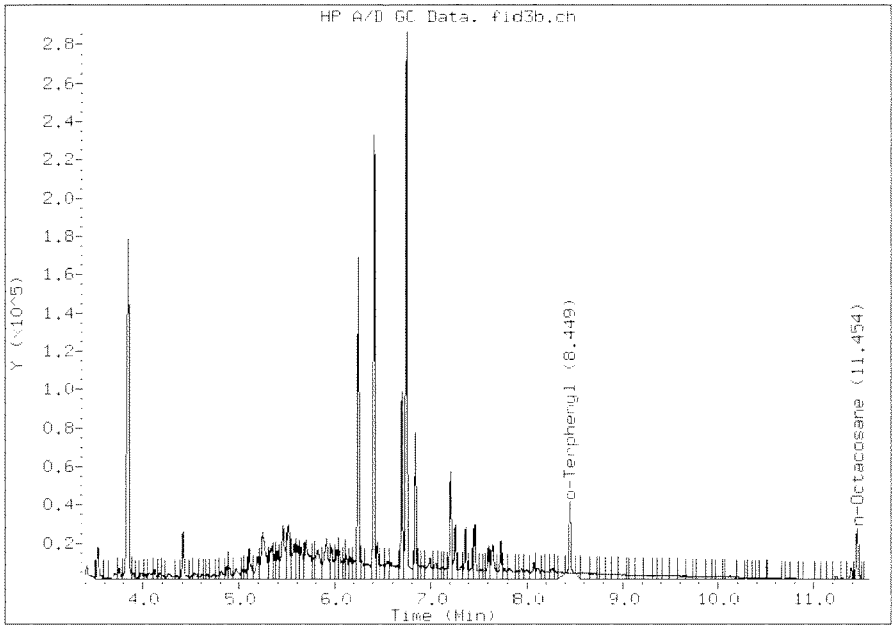
Manual Integration Results

RT: 7.48

Response: 3383304

Amount: 2102.79

Conc: 2159.81



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:52
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 086B3801.D
Inj. Date and Time: 03-MAY-2012 06:01
Instrument ID: GC_U2.i
Client ID: 431525108371901
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 05/09/2012

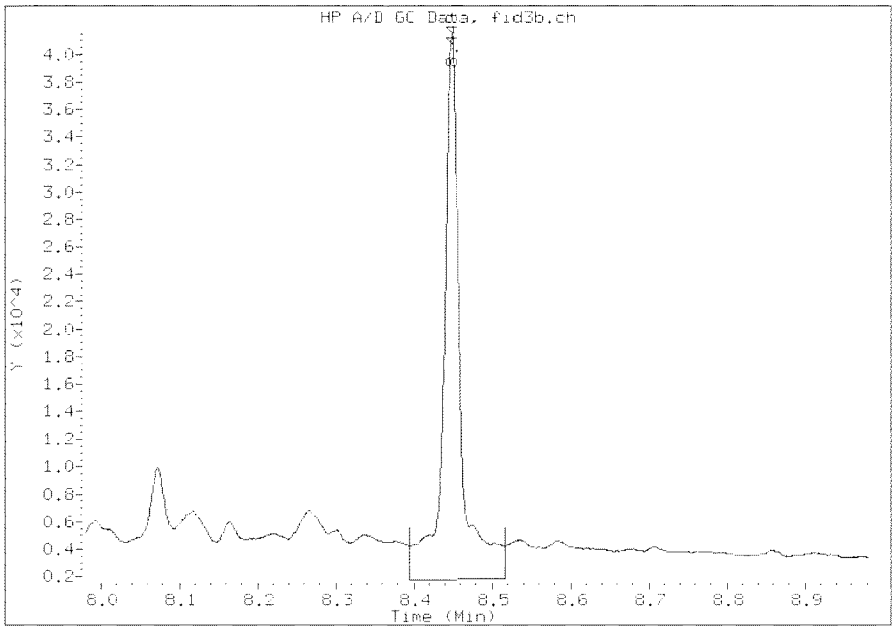
Processing Integration Results

RT: 8.45

Response: 60635

Amount: 22.05

Conc: 22.64



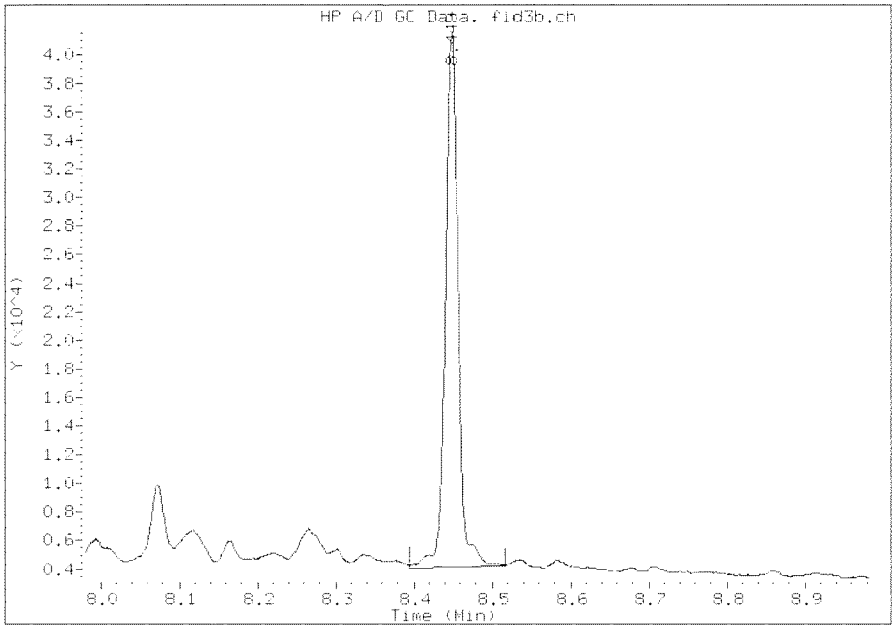
Manual Integration Results

RT: 8.45

Response: 43505

Amount: 15.82

Conc: 16.25



Manually Integrated By: birdsellm
Modification Date: 09-May-2012 09:52
Manual Integration Reason: Baseline Event

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Start Date: 04/26/2012 15:10

Analysis Batch Number: 117559 End Date: 04/26/2012 18:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/26/2012 15:10	1		HP-5 (30.25) 0.25(mm)
IC 280-117559/2		04/26/2012 15:34	1	004B0401.D	HP-5 (30.25) 0.25(mm)
IC 280-117559/3		04/26/2012 15:58	1	005B0501.D	HP-5 (30.25) 0.25(mm)
IC 280-117559/4		04/26/2012 16:23	1	006B0601.D	HP-5 (30.25) 0.25(mm)
ICRT 280-117559/5		04/26/2012 16:47	1	007B0701.D	HP-5 (30.25) 0.25(mm)
IC 280-117559/6		04/26/2012 17:12	1	008B0801.D	HP-5 (30.25) 0.25(mm)
IC 280-117559/7		04/26/2012 17:36	1	009B0901.D	HP-5 (30.25) 0.25(mm)
IC 280-117559/8		04/26/2012 18:01	1	010B1001.D	HP-5 (30.25) 0.25(mm)
ICV 280-117559/9		04/26/2012 18:25	1	011B1101.D	HP-5 (30.25) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: GCS_U2 Start Date: 05/02/2012 15:51

Analysis Batch Number: 119005 End Date: 05/03/2012 08:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/02/2012 15:51	1		HP-5 (30.25) 0.25(mm)
CCVRT 280-119005/2		05/02/2012 16:16	1	052B0401.D	HP-5 (30.25) 0.25(mm)
CCV 280-119005/3		05/03/2012 02:23	1	077B2901.D	HP-5 (30.25) 0.25(mm)
MB 280-117191/1-A		05/03/2012 02:47	1	078B3001.D	HP-5 (30.25) 0.25(mm)
LCS 280-117191/2-A		05/03/2012 03:12	1	079B3101.D	HP-5 (30.25) 0.25(mm)
LCSD 280-117191/3-A		05/03/2012 03:36	1	080B3201.D	HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 04:00	1		HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 04:24	1		HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 04:48	1		HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 05:12	1		HP-5 (30.25) 0.25(mm)
280-28131-C-4-A MS		05/03/2012 05:37	1	085B3701.D	HP-5 (30.25) 0.25(mm)
280-28131-E-4-A MSD		05/03/2012 06:01	1	086B3801.D	HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 06:25	1		HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 06:50	1		HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 07:14	1		HP-5 (30.25) 0.25(mm)
280-28076-1	MW02	05/03/2012 07:39	1	090B4201.D	HP-5 (30.25) 0.25(mm)
ZZZZZ		05/03/2012 08:04	1		HP-5 (30.25) 0.25(mm)
CCV 280-119005/18		05/03/2012 08:28	1	092B4401.D	HP-5 (30.25) 0.25(mm)

8015B

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117191 Batch Start Date: 04/26/12 17:00 Batch Analyst: Moan, Matthew R

Batch Method: 3510C Batch End Date: 05/01/12 21:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	Initial Amount	Final Amount	8015 LCS 00025
MB 280-117191/1		3510C, 8015B		7 SU			1000 mL	1000 uL	
LCS 280-117191/2		3510C, 8015B		7 SU			1000 mL	1000 uL	1 mL
LCSD 280-117191/3		3510C, 8015B		7 SU			1000 mL	1000 uL	1 mL
280-28131-C-4 MS		3510C, 8015B	T	9 SU	1400.5 g	500.7 g	899.8 mL	1000 uL	1 mL
280-28131-E-4 MSD		3510C, 8015B	T	9 SU	1474.8 g	501.2 g	973.6 mL	1000 uL	1 mL
280-28076-E-1	MW02	3510C, 8015B	T	11 SU	1490.7 g	500.7 g	990 mL	1000 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	8015Surrogate 00062					
MB 280-117191/1		3510C, 8015B		1 mL					
LCS 280-117191/2		3510C, 8015B		1 mL					
LCSD 280-117191/3		3510C, 8015B		1 mL					
280-28131-C-4 MS		3510C, 8015B	T	1 mL					
280-28131-E-4 MSD		3510C, 8015B	T	1 mL					
280-28076-E-1	MW02	3510C, 8015B	T	1 mL					

Batch Notes	
Batch Comment	DV_OP_00006/00007 NaCl:k47600 H2O:Elga BAL: 24750399
Person's name who did the concentration	SmsileyK/MoanM
Na2SO4 Lot Number	K34587_00002
Oven, Bath or Block Temperature 1	A @ 84 C
Prep Solvent Lot #	MeCl2_Cycl_00030
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	MoanM/FlynnS s/s: MoanM PIP: I
Person's name who witnessed reagent drop	Reviewer: FlynnS
Sufficient volume for MS/MSD?	YES

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117191 Batch Start Date: 04/26/12 17:00 Batch Analyst: Moan, Matthew R

Batch Method: 3510C Batch End Date: 05/01/12 21:50

Basis	Basis Description
T	Total / NA

METALS

COVER PAGE
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

Project: EPA - Pavillion Fracking

Client Sample ID	Lab Sample ID
MW02	280-28076-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW02 Lab Sample ID: 280-28076-1

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG I.D.:

Matrix: Water Date Sampled: 04/22/2012 15:45

Reporting Basis: WET Date Received: 04/24/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1100	100	18	ug/L			1	6010B
7440-42-8	Boron	110	100	4.4	ug/L			1	6010B
7440-70-2	Calcium	35000	200	35	ug/L			1	6010B
7439-89-6	Iron	4200	100	22	ug/L			1	6010B
7439-95-4	Magnesium	220	200	11	ug/L			1	6010B
7439-93-2	Lithium	26	10	2.6	ug/L			1	6010B
7440-09-7	Potassium	17000	3000	240	ug/L			1	6010B
7723-14-0	Phosphorus	18	3000	14	ug/L	J		1	6010B
7440-23-5	Sodium	420000	1000	92	ug/L			1	6010B
7440-24-6	Strontium	780	10	0.30	ug/L			1	6010B
7440-32-6	Titanium	11	10	0.60	ug/L			1	6010B
14808-60-7	SiO2, Silica	12000	500	74	ug/L			1	6010B
7440-36-0	Antimony	0.88	2.0	0.40	ug/L	J		1	6020
7440-38-2	Arsenic	2.9	5.0	0.33	ug/L	J		1	6020
7440-39-3	Barium	170	1.0	0.29	ug/L			1	6020
7440-41-7	Beryllium	ND	1.0	0.080	ug/L			1	6020
7440-43-9	Cadmium	ND	1.0	0.10	ug/L			1	6020
7440-47-3	Chromium	35	2.0	0.50	ug/L			1	6020
7440-48-4	Cobalt	0.66	1.0	0.054	ug/L	J		1	6020
7440-50-8	Copper	17	2.0	0.56	ug/L			1	6020
7439-92-1	Lead	0.43	1.0	0.18	ug/L	J		1	6020
7439-96-5	Manganese	33	1.0	0.31	ug/L			1	6020
7439-98-7	Molybdenum	3.2	2.0	0.14	ug/L			1	6020
7440-02-0	Nickel	21	2.0	0.30	ug/L			1	6020
7782-49-2	Selenium	ND	5.0	0.70	ug/L			1	6020
7440-22-4	Silver	0.53	5.0	0.033	ug/L	J		1	6020
7440-28-0	Thallium	ND	1.0	0.050	ug/L			1	6020
7440-61-1	Uranium	ND	1.0	0.050	ug/L			1	6020
7440-62-2	Vanadium	5.2	5.0	0.50	ug/L			1	6020
7440-66-6	Zinc	230	10	2.0	ug/L			1	6020
7439-97-6	Mercury	ND	0.20	0.027	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW02 | Lab Sample ID: 280-28076-1

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG I.D.:

Matrix: Water | Date Sampled: 04/22/2012 15:45

Reporting Basis: WET | Date Received: 04/24/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Dissolved Aluminum	700	100	18	ug/L			1	6010B
7440-42-8	Dissolved Boron	110	100	4.4	ug/L			1	6010B
7440-70-2	Dissolved Calcium	33000	200	35	ug/L			1	6010B
7439-89-6	Dissolved Iron	400	100	22	ug/L			1	6010B
7439-93-2	Dissolved Lithium	25	10	2.6	ug/L			1	6010B
7439-95-4	Dissolved Magnesium	49	200	11	ug/L	J		1	6010B
7440-09-7	Dissolved Potassium	15000	3000	240	ug/L			1	6010B
7440-21-3	Dissolved Silicon	4700	500	35	ug/L			1	6010B
7440-23-5	Dissolved Sodium	400000	1000	92	ug/L		B	1	6010B
7440-24-6	Dissolved Strontium	780	10	0.30	ug/L			1	6010B
7440-32-6	Dissolved Titanium	2.7	10	0.60	ug/L	J		1	6010B
7440-36-0	Dissolved Antimony	1.3	2.0	0.40	ug/L	J	^ B	1	6020
7440-38-2	Dissolved Arsenic	3.1	5.0	0.33	ug/L	J		1	6020
7440-39-3	Dissolved Barium	150	1.0	0.29	ug/L			1	6020
7440-41-7	Dissolved Beryllium	ND	1.0	0.080	ug/L			1	6020
7440-43-9	Dissolved Cadmium	ND	1.0	0.10	ug/L			1	6020
7440-47-3	Dissolved Chromium	4.5	2.0	0.50	ug/L			1	6020
7440-48-4	Dissolved Cobalt	0.085	1.0	0.054	ug/L	J	B	1	6020
7440-50-8	Dissolved Copper	3.7	2.0	0.56	ug/L			1	6020
7439-92-1	Dissolved Lead	ND	1.0	0.18	ug/L			1	6020
7439-96-5	Dissolved Manganese	5.6	1.0	0.31	ug/L			1	6020
7439-98-7	Dissolved Molybdenum	2.1	2.0	0.14	ug/L			1	6020
7440-02-0	Dissolved Nickel	6.0	2.0	0.30	ug/L			1	6020
7782-49-2	Dissolved Selenium	ND	5.0	0.70	ug/L			1	6020
7440-22-4	Dissolved Silver	ND	5.0	0.033	ug/L			1	6020
7440-28-0	Dissolved Thallium	ND	1.0	0.050	ug/L			1	6020
7440-61-1	Dissolved Uranium	ND	1.0	0.050	ug/L			1	6020
7440-62-2	Dissolved Vanadium	2.1	5.0	0.50	ug/L	J		1	6020
7440-66-6	Dissolved Zinc	49	10	2.0	ug/L			1	6020
7439-97-6	Mercury, Dissolved	ND	0.20	0.027	ug/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVH_00080 Concentration Units: ug/L

CCV Source: ICP CCVH_00220

Analyte	ICVH 280-117859/6 05/01/2012 13:10				CCVH 280-117859/54 05/02/2012 01:47				CCVH 280-117859/64 05/02/2012 02:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Dissolved Aluminum	39900		40000	100	47600		50000	95	47400		50000	95
Dissolved Iron	79600		80000	100	47400		50000	95	47300		50000	95
Dissolved Sodium	41300		40000	103	245000		250000	98	244000		250000	98

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVL_00070 Concentration Units: ug/L

CCV Source: ICP CCVL_00243

Analyte	ICV 280-117859/7 05/01/2012 13:13				CCV 280-117859/55 05/02/2012 01:50				CCV 280-117859/65 05/02/2012 02:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Dissolved Aluminum	260		250	104	485		500	97	484		500	97
Dissolved Boron	248		250	99	485		500	97	486		500	97
Dissolved Calcium	2000		2000	100	4600		5000	92	4630		5000	93
Dissolved Iron	256		250	102	2370		2500	95	2390		2500	96
Dissolved Lithium	257		250	103	961		1000	96	969		1000	97
Dissolved Magnesium	9910		10000	99	19200		20000	96	19200		20000	96
Dissolved Potassium	20100		20000	100	48700		50000	97	49000		50000	98
Dissolved Silicon	1990		2000	100	4570		5000	91	4560		5000	91
Dissolved Sodium	2050		2000	103	4870		5000	97	4880		5000	98
Dissolved Strontium	250		250	100	487		500	97	489		500	98
Dissolved Titanium	250		250	100	486		500	97	487		500	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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVH_00080 Concentration Units: ug/L

CCV Source: ICP CCVH_00220

Analyte	ICVH 280-118273/6 05/03/2012 10:39				CCVH 280-118273/22 05/03/2012 20:01				CCVH 280-118273/33 05/03/2012 20:27			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39500		40000	99	46100		50000	92	46500		50000	93
Iron	79500		80000	99	46300		50000	93	46700		50000	93
Sodium	40600		40000	101	236000		250000	94	238000		250000	95

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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVL_00070 Concentration Units: ug/L

CCV Source: ICP CCVL_00243

Analyte	ICV 280-118273/7 05/03/2012 10:42				CCV 280-118273/23 05/03/2012 20:03				CCV 280-118273/34 05/03/2012 20:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	257		250	103	472		500	94	484		500	97
Boron	242		250	97	474		500	95	479		500	96
Iron	250		250	100	2460		2500	98	2440		2500	98
Lithium	250		250	100	930		1000	93	930		1000	93
Magnesium	9880		10000	99	18700		20000	94	19000		20000	95
Potassium	19900		20000	99	47400		50000	95	47500		50000	95
Sodium	1930		2000	96	4610		5000	92	4640		5000	93
Strontium	248		250	99	480		500	96	483		500	97
Titanium	247		250	99	486		500	97	486		500	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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVH_00080 Concentration Units: ug/L

CCV Source: ICP CCVH_00221

Analyte	ICVH 280-118675/6 05/04/2012 12:03				CCVH 280-118675/17 05/04/2012 12:41				CCVH 280-118675/28 05/04/2012 13:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39600		40000	99	49300		50000	99	48500		50000	97
Iron	80100		80000	100	49700		50000	99	49500		50000	99
Sodium	40900		40000	102	250000		250000	100	248000		250000	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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVL_00070 Concentration Units: ug/L

CCV Source: ICP CCVL_00243

Analyte	ICV 280-118675/7 05/04/2012 12:06				CCV 280-118675/18 05/04/2012 12:44				CCV 280-118675/29 05/04/2012 13:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	1960		2000	98	4770		5000	95	4680		5000	94
Silicon	1950		2000	98	4750		5000	95	4710		5000	94
Aluminum	264		250	106	508		500	102	507		500	101
Boron	247		250	99	498		500	100	496		500	99
Iron	254		250	101	2470		2500	99	2490		2500	100
Lithium	249		250	100	953		1000	95	945		1000	94
Magnesium	10000		10000	100	20200		20000	101	20600		20000	103
Potassium	20200		20000	101	49700		50000	99	50100		50000	100
Sodium	1810		2000	91	4550		5000	91	4520		5000	90
Strontium	251		250	100	494		500	99	502		500	100
Titanium	247		250	99	491		500	98	494		500	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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVH_00080 Concentration Units: ug/L

CCV Source: ICP CCVH_00221

Analyte	ICVH 280-118834/6 05/07/2012 10:53				CCVH 280-118834/132 05/08/2012 08:39				CCVH 280-118834/143 05/08/2012 09:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Sodium	40900		40000	102	258000		250000	103	266000		250000	106
Aluminum	39500		40000	99	46600		50000	93	47500		50000	95
Iron	80100		80000	100	45100		50000	90	45900		50000	92

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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVL_00070 Concentration Units: ug/L

CCV Source: ICP CCVL_00244

Analyte	ICV 280-118834/7 05/07/2012 10:57				CCV 280-118834/133 05/08/2012 08:42				CCV 280-118834/144 05/08/2012 09:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Boron	249		250	100	459		500	92	466		500	93
Calcium	1960		2000	98	4670		5000	93	4770		5000	95
Lithium	251		250	101	1030		1000	103	1050		1000	105
Magnesium	9820		10000	98	19500		20000	98	20100		20000	100
Phosphorus	1930	J	2000	97	964	J	1000	96	972	J	1000	97
Potassium	19600		20000	98	51900		50000	104	53200		50000	106
SiO2, Silica	4240		4280	99	9870		10700	92	10200		10700	95
Sodium	2030		2000	102	5150		5000	103	5420		5000	108
Strontium	248		250	99	485		500	97	497		500	99
Titanium	245		250	98	483		500	97	489		500	98
Iron	249		250	100					2250		2500	90

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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVH_00080 Concentration Units: ug/L

CCV Source: ICP CCVH_00221

Analyte	ICVH 280-118969/6 05/08/2012 14:18				CCVH 280-118969/57 05/08/2012 16:45				CCVH 280-118969/68 05/08/2012 17:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39400		40000	99	50500		50000	101	51000		50000	102
Iron	78700		80000	98	50200		50000	100	50900		50000	102
Sodium	40500		40000	101	249000		250000	100	252000		250000	101

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: ICP ICVL_00070 Concentration Units: ug/L

CCV Source: ICP CCVL_00244

Analyte	ICV 280-118969/7 05/08/2012 14:22				CCV 280-118969/58 05/08/2012 16:47				CCV 280-118969/69 05/08/2012 17:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	262		250	105	538		500	108	535		500	107
Iron	251		250	101	2520		2500	101	2500		2500	100
Boron	250		250	100	505		500	101	504		500	101
Calcium	1980		2000	99	5050		5000	101	5060		5000	101
Lithium	246		250	98	996		1000	100	989		1000	99
Magnesium	9980		10000	100	20200		20000	101	19700		20000	98
Phosphorus	1960	J	2000	98	1010	J	1000	101	1010	J	1000	101
Potassium	19300		20000	97	49000		50000	98	49100		50000	98
SiO2	4260		4280	100	10600		10700	99	10700		10700	100
Sodium	2040		2000	102	5070		5000	101	5250		5000	105
Strontium	247		250	99	496		500	99	496		500	99
Titanium	251		250	100	517		500	103	498		500	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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: MS 77 ICV_00256 Concentration Units: ug/L

CCV Source: ms 77 ccv_00252

Analyte	ICV 280-117880/4 05/01/2012 13:52				CCV 280-117880/16 05/01/2012 14:30				CCV 280-117880/25 05/01/2012 14:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Dissolved Antimony	37.9		40.0	95	52.4		50.0	105	50.3		50.0	101
Dissolved Arsenic	41.1		40.0	103	46.9		50.0	94	50.6		50.0	101
Dissolved Barium	41.4		40.0	104	47.4		50.0	95	48.2		50.0	96
Dissolved Beryllium	40.0		40.0	100	51.3		50.0	103	49.1		50.0	98
Dissolved Cadmium	39.2		40.0	98	48.5		50.0	97	49.9		50.0	100
Dissolved Chromium	39.7		40.0	99	47.7		50.0	95	49.0		50.0	98
Dissolved Cobalt	39.8		40.0	100	49.4		50.0	99	49.3		50.0	99
Dissolved Copper	40.2		40.0	100	48.7		50.0	97	49.5		50.0	99
Dissolved Lead	40.2		40.0	100	49.0		50.0	98	49.5		50.0	99
Dissolved Manganese	41.4		40.0	103	49.3		50.0	99	49.2		50.0	98
Dissolved Molybdenum	40.5		40.0	101	49.5		50.0	99	50.0		50.0	100
Dissolved Nickel	39.7		40.0	99	48.6		50.0	97	49.5		50.0	99
Dissolved Selenium	38.9		40.0	97	50.0		50.0	100	48.8		50.0	98
Dissolved Silver	39.1		40.0	98	48.9		50.0	98	49.5		50.0	99
Dissolved Thallium	39.9		40.0	100	49.2		50.0	98	49.3		50.0	99
Dissolved Uranium	38.2		40.0	96	49.2		50.0	98	48.9		50.0	98
Dissolved Vanadium	40.9		40.0	102	49.4		50.0	99	52.7		50.0	105
Dissolved Zinc	44.0		40.0	110	54.5		50.0	109	57.3		50.0	115

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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: MS 77 ICV_00256 Concentration Units: ug/L

CCV Source: ms 77 ccv_00252

Analyte	CCV 280-117880/29 05/01/2012 15:09				CCV 280-117880/37 05/01/2012 15:33							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Dissolved Antimony	47.7		50.0	95	50.3		50.0	101				
Dissolved Arsenic	48.4		50.0	97	48.3		50.0	97				
Dissolved Barium	47.0		50.0	94	50.8		50.0	102				
Dissolved Beryllium	49.6		50.0	99	49.3		50.0	99				
Dissolved Cadmium	48.0		50.0	96	49.7		50.0	99				
Dissolved Chromium	48.4		50.0	97	49.1		50.0	98				
Dissolved Cobalt	49.3		50.0	99	49.7		50.0	99				
Dissolved Copper	49.2		50.0	98	50.5		50.0	101				
Dissolved Lead	49.4		50.0	99	50.2		50.0	100				
Dissolved Manganese	49.6		50.0	99	50.6		50.0	101				
Dissolved Molybdenum	50.4		50.0	101	48.9		50.0	98				
Dissolved Nickel	49.1		50.0	98	48.3		50.0	97				
Dissolved Selenium	49.8		50.0	100	50.3		50.0	101				
Dissolved Silver	48.5		50.0	97	50.0		50.0	100				
Dissolved Thallium	49.6		50.0	99	50.4		50.0	101				
Dissolved Uranium	49.2		50.0	98	50.2		50.0	100				
Dissolved Vanadium	48.6		50.0	97	49.9		50.0	100				
Dissolved Zinc	48.9		50.0	98	52.4		50.0	105				

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: MS 77 ICV_00257 Concentration Units: ug/L

CCV Source: ms 77 ccv_00253

Analyte	ICV 280-118058/4 05/02/2012 11:44				CCV 280-118058/122 05/02/2012 17:41				CCV 280-118058/131 05/02/2012 18:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	38.1		40.0	95	51.4		50.0	103	52.0		50.0	104
Arsenic	43.4		40.0	108	51.3		50.0	103	53.1		50.0	106
Barium	40.6		40.0	101	50.9		50.0	102	51.4		50.0	103
Beryllium	40.5		40.0	101	52.7		50.0	105	51.3		50.0	103
Cadmium	39.5		40.0	99	51.0		50.0	102	49.3		50.0	99
Chromium	39.9		40.0	100	51.2		50.0	102	49.9		50.0	100
Cobalt	40.9		40.0	102	51.4		50.0	103	49.9		50.0	100
Copper	41.3		40.0	103	52.0		50.0	104	50.7		50.0	101
Lead	40.3		40.0	101	52.3		50.0	105	51.2		50.0	102
Manganese	42.7		40.0	107	50.3		50.0	101	49.5		50.0	99
Molybdenum	39.2		40.0	98	51.3		50.0	103	48.9		50.0	98
Nickel	42.1		40.0	105	52.4		50.0	105	51.2		50.0	102
Selenium	39.9		40.0	100	51.2		50.0	102	49.7		50.0	99
Silver	39.6		40.0	99	51.9		50.0	104	50.3		50.0	101
Thallium	39.9		40.0	100	52.6		50.0	105	51.3		50.0	103
Uranium	38.5		40.0	96	52.0		50.0	104	51.4		50.0	103
Vanadium	39.1		40.0	98	50.0		50.0	100	50.2		50.0	100
Zinc	40.8		40.0	102	48.9		50.0	98	49.3		50.0	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: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: MS 77 ICV_00257 Concentration Units: ug/L

CCV Source: ms 77 ccv_00253

Analyte	CCV 280-118058/139 05/02/2012 18:32											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	48.8		50.0	98								
Arsenic	48.2		50.0	96								
Barium	48.4		50.0	97								
Beryllium	51.5		50.0	103								
Cadmium	50.8		50.0	102								
Chromium	48.6		50.0	97								
Cobalt	49.2		50.0	98								
Copper	50.1		50.0	100								
Lead	50.4		50.0	101								
Manganese	48.7		50.0	97								
Molybdenum	47.7		50.0	95								
Nickel	50.6		50.0	101								
Selenium	49.6		50.0	99								
Silver	50.5		50.0	101								
Thallium	50.4		50.0	101								
Uranium	51.1		50.0	102								
Vanadium	48.4		50.0	97								
Zinc	50.8		50.0	102								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: Hg H20 ICV_00359 Concentration Units: ug/L

CCV Source: Hg H2O CCV_00352

Analyte	ICV 280-118315/8 05/03/2012 15:22				CCV 280-118315/68 05/03/2012 17:52				CCV 280-118315/79 05/03/2012 18:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.99		4.00	100	5.14		5.00	103	5.09		5.00	102

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: Hg H20 ICV_00359 Concentration Units: ug/L

CCV Source: Hg H20 CCV_00352

Analyte	CCV 280-118315/91 05/03/2012 18:46				CCV 280-118315/103 05/03/2012 19:13				CCV 280-118315/138 05/03/2012 20:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.11		5.00	102	5.10		5.00	102	5.09		5.00	102

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICV Source: Hg H20 ICV_00359 Concentration Units: ug/L

CCV Source: Hg H20 CCV_00352

Analyte	CCV 280-118315/150 05/03/2012 21:02											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.07		5.00	101								

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Method: 6010B Instrument ID: MT_025

Lab Sample ID: CRI 280-117859/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00623

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Dissolved Aluminum	100	118		118	50-150
Dissolved Boron	100	100		100	50-150
Dissolved Calcium	200	207		104	50-150
Dissolved Iron	30.0	33.2	J	111	50-150
Dissolved Lithium	10.0	13.0		130	50-150
Dissolved Magnesium	200	210		105	50-150
Dissolved Potassium	1000	1030	J	103	50-150
Dissolved Silicon	500	498	J	100	50-150
Dissolved Sodium	1000	1060		106	50-150
Dissolved Strontium	5.00	5.14	J	103	50-150
Dissolved Titanium	10.0	10.4		104	50-150

Lab Sample ID: CRI 280-118273/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00626

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	110		110	50-150
Boron	100	99.5	J	100	50-150
Calcium	200	205		103	50-150
Iron	30.0	32.4	J	108	50-150
Lithium	10.0	14.2		142	50-150
Magnesium	200	213		107	50-150
Potassium	1000	1080	J	108	50-150
Silicon	500	502	J	100	50-150
Sodium	1000	960	J	96	50-150
Strontium	5.00	5.26	J	105	50-150
Titanium	10.0	9.89	J	99	50-150

Lab Sample ID: CRI 280-118675/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00627

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits

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 Denver | Job No.: 280-28076-1

SDG No.:

Method: 6010B | Instrument ID: MT_025

Lab Sample ID: CRI 280-118675/12 | Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00627

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	112		112	50-150
Boron	100	101		101	50-150
Calcium	200	205		102	50-150
Iron	30.0	33.9	J	113	50-150
Lithium	10.0	11.2		112	50-150
Magnesium	200	224		112	50-150
Potassium	1000	1020	J	102	50-150
Silicon	500	470	J	94	50-150
Sodium	1000	780	J	78	50-150
Strontium	5.00	5.34	J	107	50-150
Titanium	10.0	10.2		102	50-150

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: Test America Denver Job No.: 280-28076-1

SDG No.:

Method: 6010B Instrument ID: MT_026

Lab Sample ID: CRI 280-118834/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00628

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	117		117	50-150
Boron	100	111		111	50-150
Calcium	200	219		110	50-150
Iron	30.0	33.9	J	113	50-150
Lithium	10.0	12.6		126	50-150
Magnesium	200	226		113	50-150
Potassium	1000	1010	J	101	50-150
Phosphorus	1000	1070	J	107	50-150
Sodium	1000	1120		112	50-150
Strontium	5.00	5.43	J	109	50-150
Titanium	10.0	10.1		101	50-150
SiO2, Silica	1070	1060	J	99	50-150

Lab Sample ID: CRI 280-118969/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00629

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	115		115	50-150
Boron	100	108		108	50-150
Calcium	200	206		103	50-150
Lithium	10.0	10.0		100	50-150
Magnesium	200	224		112	50-150
Potassium	1000	1090	J	109	50-150
Phosphorus	1000	1060	J	106	50-150
Sodium	1000	1090		109	50-150
Strontium	5.00	5.51	J	110	50-150
Titanium	10.0	10.4		104	50-150
SiO2	1070	1070	J	100	50-150

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: Test America Denver Job No.: 280-28076-1

SDG No.:

Method: 6010B Instrument ID: MT_026

Lab Sample ID: CRI 280-118969/13 Concentration Units: ug/L

CRQL Check Standard Source: Alt FePbSeZn_00002

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Iron	30.0	36.8	J	123	50-150

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: Test America Denver Job No.: 280-28076-1

SDG No.:

Method: 6020 Instrument ID: MT_077

Lab Sample ID: CRI 280-117880/7 Concentration Units: ug/L

CRQL Check Standard Source: ms 77 RL_00103

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Dissolved Antimony	1.00	0.952	J	95	50-150
Dissolved Arsenic	1.00	1.15	J	115	50-150
Dissolved Barium	1.00	0.675	J	68	50-150
Dissolved Beryllium	1.00	1.07		107	50-150
Dissolved Cadmium	1.00	0.920	J	92	50-150
Dissolved Chromium	1.00	0.959	J	96	50-150
Dissolved Cobalt	1.00	0.961	J	96	50-150
Dissolved Copper	1.00	0.885	J	89	50-150
Dissolved Lead	1.00	1.07		107	50-150
Dissolved Manganese	1.00	1.02		102	50-150
Dissolved Molybdenum	1.00	0.857	J	86	50-150
Dissolved Nickel	1.00	0.995	J	100	50-150
Dissolved Selenium	1.00	1.02	J	102	50-150
Dissolved Silver	1.00	1.02	J	102	50-150
Dissolved Thallium	1.00	1.03		103	50-150
Dissolved Uranium	1.00	0.993	J	99	50-150
Dissolved Vanadium	1.00	0.925	J	93	50-150

Lab Sample ID: CRI 280-117880/10 Concentration Units: ug/L

CRQL Check Standard Source: MS77 Sn/Zncri_00002

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Dissolved Zinc	10.0	11.5		115	50-150

Lab Sample ID: CRI 280-118058/7 Concentration Units: ug/L

CRQL Check Standard Source: ms 77 RL_00104

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	1.00	1.18	J	118	50-150
Arsenic	1.00	1.32	J	132	50-150
Barium	1.00	1.21		121	50-150
Beryllium	1.00	1.05		105	50-150

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: Test America Denver Job No.: 280-28076-1

SDG No.:

Method: 6020 Instrument ID: MT_077

Lab Sample ID: CRI 280-118058/7 Concentration Units: ug/L

CRQL Check Standard Source: ms 77 RL_00104

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cadmium	1.00	1.15		115	50-150
Chromium	1.00	1.01	J	101	50-150
Cobalt	1.00	1.11		111	50-150
Copper	1.00	1.03	J	103	50-150
Lead	1.00	1.03		103	50-150
Manganese	1.00	1.07		107	50-150
Molybdenum	1.00	0.896	J	90	50-150
Nickel	1.00	1.11	J	111	50-150
Selenium	1.00	0.951	J	95	50-150
Silver	1.00	1.03	J	103	50-150
Thallium	1.00	1.01		101	50-150
Uranium	1.00	1.02		102	50-150
Vanadium	1.00	1.02	J	102	50-150
Zinc	1.00	ND		91	50-150

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-117859/11 05/01/2012 13:24		CCB 280-117859/56 05/02/2012 01:52		CCB 280-117859/66 05/02/2012 02:15			
		Found	C	Found	C	Found	C	Found	C
Dissolved Aluminum	100	ND		ND		ND			
Dissolved Boron	100	ND		ND		ND			
Dissolved Calcium	200	ND		ND		ND			
Dissolved Iron	100	ND		ND		ND			
Dissolved Lithium	10	ND		ND		ND			
Dissolved Magnesium	200	ND		ND		ND			
Dissolved Potassium	3000	ND		ND		ND			
Dissolved Silicon	1100	ND		ND		ND			
Dissolved Sodium	1000	ND		178	J	162	J		
Dissolved Strontium	10	ND		ND		ND			
Dissolved Titanium	10	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-118273/11 05/03/2012 10:53		CCB 280-118273/24 05/03/2012 20:05		CCB 280-118273/35 05/03/2012 20:31			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	ND		ND		ND			
Boron	100	ND		ND		ND			
Iron	100	ND		ND		ND			
Lithium	10	ND		ND		ND			
Magnesium	200	ND		ND		ND			
Potassium	3000	ND		ND		ND			
Sodium	1000	ND		ND		103	J		
Strontium	10	ND		ND		ND			
Titanium	10	ND		0.910	J	ND			
Calcium	200	ND		ND		ND			
Silicon	1100	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-118675/11 05/04/2012 12:18		CCB 280-118675/19 05/04/2012 12:46		CCB 280-118675/30 05/04/2012 13:12			
		Found	C	Found	C	Found	C	Found	C
Calcium	200	ND		ND		ND			
Silicon	1100	ND		ND		ND			
Aluminum	100	ND		ND		ND			
Boron	100	ND		4.64	J	ND			
Iron	100	ND		ND		ND			
Lithium	10	ND		ND		ND			
Magnesium	200	ND		ND		ND			
Potassium	3000	ND		ND		ND			
Sodium	1000	ND		ND		ND			
Strontium	10	ND		ND		ND			
Titanium	10	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-118834/11 05/07/2012 11:07		CCB 280-118834/134 05/08/2012 08:44		CCB 280-118834/145 05/08/2012 09:15			
		Found	C	Found	C	Found	C	Found	C
Boron	100	ND		ND		ND			
Calcium	200	ND		ND		ND			
Lithium	10	ND		ND		ND			
Magnesium	200	ND		ND		ND			
Phosphorus	3000	ND		ND		ND			
Potassium	3000	ND		ND		ND			
SiO2, Silica	1100	ND		ND		ND			
Sodium	1000	ND		ND		190	J		
Strontium	10	ND		ND		ND			
Titanium	10	ND		ND		ND			
Aluminum	100	ND		ND		ND			
Iron	100	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-118969/11 05/08/2012 14:32		CCB 280-118969/59 05/08/2012 16:50		CCB 280-118969/70 05/08/2012 17:17			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	ND		ND		ND			
Iron	100	ND		ND		ND			
Boron	100	ND		ND		5.01	J		
Calcium	200	ND		ND		ND			
Lithium	10	ND		ND		ND			
Magnesium	200	ND		ND		ND			
Phosphorus	3000	ND		ND		ND			
Potassium	3000	ND		ND		ND			
SiO2	1100	ND		ND		ND			
Sodium	1000	ND		ND		160	J		
Strontium	10	ND		ND		ND			
Titanium	10	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-117880/5 05/01/2012 13:55		CCB 280-117880/17 05/01/2012 14:33		CCB 280-117880/26 05/01/2012 14:59		CCB 280-117880/30 05/01/2012 15:12	
		Found	C	Found	C	Found	C	Found	C
Dissolved Antimony	2.0	0.786	J	2.06		0.497	J	ND	
Dissolved Arsenic	5.0	ND		ND		ND		ND	
Dissolved Barium	1.0	ND		ND		ND		ND	
Dissolved Beryllium	1.0	ND		ND		ND		ND	
Dissolved Cadmium	1.0	ND		ND		ND		0.131	J
Dissolved Chromium	2.0	ND		ND		ND		ND	
Dissolved Cobalt	1.0	ND		ND		ND		ND	
Dissolved Copper	2.0	ND		ND		ND		ND	
Dissolved Lead	1.0	ND		ND		ND		ND	
Dissolved Manganese	1.0	ND		ND		ND		ND	
Dissolved Molybdenum	2.0	ND		0.225	J	ND		ND	
Dissolved Nickel	2.0	ND		ND		ND		ND	
Dissolved Selenium	5.0	ND		ND		ND		ND	
Dissolved Silver	5.0	ND		ND		ND		ND	
Dissolved Thallium	1.0	ND		0.0670	J	ND		ND	
Dissolved Uranium	1.0	ND		0.0760	J	ND		ND	
Dissolved Vanadium	5.0	ND		ND		ND		ND	
Dissolved Zinc	10	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-117880/38 05/01/2012 15:36							
		Found	C	Found	C	Found	C	Found	C
Dissolved Antimony	2.0	ND							
Dissolved Arsenic	5.0	ND							
Dissolved Barium	1.0	ND							
Dissolved Beryllium	1.0	ND							
Dissolved Cadmium	1.0	ND							
Dissolved Chromium	2.0	ND							
Dissolved Cobalt	1.0	ND							
Dissolved Copper	2.0	ND							
Dissolved Lead	1.0	ND							
Dissolved Manganese	1.0	ND							
Dissolved Molybdenum	2.0	ND							
Dissolved Nickel	2.0	ND							
Dissolved Selenium	5.0	ND							
Dissolved Silver	5.0	0.906	J						
Dissolved Thallium	1.0	ND							
Dissolved Uranium	1.0	ND							
Dissolved Vanadium	5.0	ND							
Dissolved Zinc	10	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-118058/5 05/02/2012 11:47		CCB 280-118058/123 05/02/2012 17:44		CCB 280-118058/132 05/02/2012 18:11		CCB 280-118058/140 05/02/2012 18:35	
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.772	J	ND		ND		ND	
Arsenic	5.0	ND		ND		ND		0.344	J
Barium	1.0	ND		ND		ND		ND	
Beryllium	1.0	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Chromium	2.0	ND		ND		ND		ND	
Cobalt	1.0	ND		ND		ND		ND	
Copper	2.0	ND		ND		ND		ND	
Lead	1.0	ND		ND		ND		ND	
Manganese	1.0	ND		ND		ND		ND	
Molybdenum	2.0	ND		ND		ND		ND	
Nickel	2.0	ND		ND		ND		ND	
Selenium	5.0	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		1.64	J
Thallium	1.0	ND		ND		ND		ND	
Uranium	1.0	ND		ND		ND		ND	
Vanadium	5.0	ND		ND		ND		ND	
Zinc	10	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-118315/9 05/03/2012 15:28		CCB 280-118315/69 05/03/2012 17:55		CCB 280-118315/80 05/03/2012 18:20		CCB 280-118315/92 05/03/2012 18:48	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-118315/104 05/03/2012 19:16		CCB 280-118315/139 05/03/2012 20:37		CCB 280-118315/151 05/03/2012 21:05			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-117184/1-A

Instrument Code: MT_025 Batch No.: 117859

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Dissolved Aluminum	ND			6010B
7440-42-8	Dissolved Boron	ND			6010B
7440-70-2	Dissolved Calcium	ND			6010B
7439-89-6	Dissolved Iron	ND			6010B
7439-93-2	Dissolved Lithium	ND			6010B
7439-95-4	Dissolved Magnesium	ND			6010B
7440-09-7	Dissolved Potassium	ND			6010B
7440-21-3	Dissolved Silicon	ND			6010B
7440-23-5	Dissolved Sodium	149	J		6010B
7440-24-6	Dissolved Strontium	ND			6010B
7440-32-6	Dissolved Titanium	ND			6010B

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-118701/1-A

Instrument Code: MT_026 Batch No.: 118834

CAS No.	Analyte	Concentration	C	Q	Method
7440-42-8	Boron	ND			6010B
7440-70-2	Calcium	ND			6010B
7439-93-2	Lithium	ND			6010B
7439-95-4	Magnesium	ND			6010B
7440-09-7	Potassium	ND			6010B
7723-14-0	Phosphorus	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-24-6	Strontium	ND			6010B
7440-32-6	Titanium	ND			6010B
14808-60-7	SiO2, Silica	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-118701/1-A

Instrument Code: MT_026 Batch No.: 118969

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7439-89-6	Iron	ND			6010B

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L | Lab Sample ID: MB 280-117185/1-A

Instrument Code: MT_077 | Batch No.: 117880

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Dissolved Antimony	0.782	J		6020
7440-38-2	Dissolved Arsenic	ND			6020
7440-39-3	Dissolved Barium	ND			6020
7440-41-7	Dissolved Beryllium	ND			6020
7440-43-9	Dissolved Cadmium	ND			6020
7440-47-3	Dissolved Chromium	ND			6020
7440-48-4	Dissolved Cobalt	0.0800	J		6020
7440-50-8	Dissolved Copper	ND			6020
7439-92-1	Dissolved Lead	ND			6020
7439-96-5	Dissolved Manganese	ND			6020
7439-98-7	Dissolved Molybdenum	ND			6020
7440-02-0	Dissolved Nickel	ND			6020
7782-49-2	Dissolved Selenium	ND			6020
7440-22-4	Dissolved Silver	ND			6020
7440-28-0	Dissolved Thallium	ND			6020
7440-61-1	Dissolved Uranium	ND			6020
7440-62-2	Dissolved Vanadium	ND			6020
7440-66-6	Dissolved Zinc	ND		^	6020

3-IN
METHOD BLANK
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-117181/1-A

Instrument Code: MT_077 Batch No.: 118058

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6020
7440-38-2	Arsenic	ND			6020
7440-39-3	Barium	ND			6020
7440-41-7	Beryllium	ND			6020
7440-43-9	Cadmium	ND			6020
7440-47-3	Chromium	ND			6020
7440-48-4	Cobalt	ND			6020
7440-50-8	Copper	ND			6020
7439-92-1	Lead	ND			6020
7439-96-5	Manganese	ND			6020
7439-98-7	Molybdenum	ND			6020
7440-02-0	Nickel	ND			6020
7782-49-2	Selenium	ND			6020
7440-22-4	Silver	ND			6020
7440-28-0	Thallium	ND			6020
7440-61-1	Uranium	ND			6020
7440-62-2	Vanadium	ND			6020
7440-66-6	Zinc	ND			6020

3-IN
METHOD BLANK
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-117332/1-A

Instrument Code: MT_033 Batch No.: 118315

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-117333/1-A

Instrument Code: MT_033 Batch No.: 118315

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury, Dissolved	ND			7470A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-117859/14 | Instrument ID: MT_025

Lab File ID: 25A5050112.asc | ICS Source: ICP ICSA_00055

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Dissolved Aluminum	**500000**	**512170**	**102**
Dissolved Boron		**-2.33**	
Dissolved Calcium	**500000**	**472140**	**94**
Dissolved Iron	**200000**	**196450**	**98**
Dissolved Lithium		**6.21**	
Dissolved Magnesium	**500000**	**511840**	**102**
Dissolved Potassium		**38.1**	
Dissolved Silicon		**-8.13**	
Dissolved Sodium		**38.3**	
Dissolved Strontium		**1.89**	
Dissolved Titanium		**0.460**	
Antimony		*4.12*	
Arsenic		*1.58*	
Barium		*0.540*	
Beryllium		*0.0200*	
Bismuth		*-0.760*	
Cadmium		*1.15*	
Chromium		*3.13*	
Cobalt		*-1.00*	
Copper		*4.52*	
Lead		*5.90*	
Manganese		*0.310*	
Molybdenum		*-3.83*	
Nickel		*-0.950*	
Phosphorus		*1.13*	
Selenium		*3.22*	
Silver		*-0.400*	
SiO2		*-17.4*	
Thallium		*0.240*	
Thorium		*-12.2*	
Tin		*-0.390*	
Vanadium		*1.34*	
Zinc		*-0.290*	
Zirconium		*-2.15*	

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-117859/15 | Instrument ID: MT_025

Lab File ID: 25A5050112.asc | ICS Source: ICP ICSAB_00048

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Dissolved Aluminum	**500000**	**497630**	**100**
Dissolved Boron	**2000**	**1836**	**92**
Dissolved Calcium	**500000**	**466450**	**93**
Dissolved Iron	**200000**	**190740**	**95**
Dissolved Lithium	**1000**	**1031**	**103**
Dissolved Magnesium	**500000**	**506360**	**101**
Dissolved Potassium	**50000**	**51400**	**103**
Dissolved Silicon	**10000**	**9992**	**100**
Dissolved Sodium	**50000**	**51662**	**103**
Dissolved Strontium	**1000**	**979**	**98**
Dissolved Titanium	**1000**	**997**	**100**
Antimony	*1000*	*939*	*94*
Arsenic	*2000*	*1990*	*99*
Barium	*500*	*489*	*98*
Beryllium	*500*	*471*	*94*
Bismuth	*1000*	*1018*	*102*
Cadmium	*1000*	*1013*	*101*
Chromium	*500*	*482*	*96*
Cobalt	*500*	*459*	*92*
Copper	*500*	*539*	*108*
Lead	*1000*	*905*	*91*
Manganese	*500*	*502*	*100*
Molybdenum	*1000*	*954*	*95*
Nickel	*1000*	*906*	*91*
Phosphorus	*2000*	*1901*	*95*
Selenium	*5000*	*4767*	*95*
Silver	*1000*	*1089*	*109*
SiO2	*21400*	*21384*	*100*
Thallium	*10000*	*8372*	*84*
Thorium	*2000*	*2057*	*103*
Tin	*10000*	*9037*	*90*
Vanadium	*500*	*503*	*101*
Zinc	*1000*	*968*	*97*
Zirconium	*1000*	*965*	*97*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-118273/15 Instrument ID: MT_025

Lab File ID: 25A5050312.asc ICS Source: ICP ICSA_00055

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**493850**	**99**
Boron		**-4.32**	
Iron	**200000**	**189090**	**95**
Lithium		**6.51**	
Magnesium	**500000**	**501830**	**100**
Potassium		**-22.5**	
Sodium		**-32.0**	
Strontium		**1.84**	
Titanium		**0.430**	
Antimony		*2.53*	
Arsenic		*1.51*	
Barium		*0.590*	
Beryllium		*0.0500*	
Bismuth		*-0.100*	
Cadmium		*0.670*	
Calcium	*500000*	*458840*	*92*
Chromium		*2.61*	
Cobalt		*-0.730*	
Copper		*4.49*	
Lead		*3.36*	
Manganese		*0.230*	
Molybdenum		*-3.69*	
Nickel		*-0.720*	
Phosphorus		*-0.980*	
Selenium		*-6.60*	
Silicon		*26.7*	
Silver		*-0.0600*	
SiO2		*57.1*	
Thallium		*-0.600*	
Thorium		*-15.5*	
Tin		*-2.01*	
Vanadium		*1.10*	
Zinc		*1.19*	
Zirconium		*0.510*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-118273/16 | Instrument ID: MT_025

Lab File ID: 25A5050312.asc | ICS Source: ICP ICSAB_00048

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**489960**	**98**
Boron	**2000**	**1822**	**91**
Iron	**200000**	**187190**	**94**
Lithium	**1000**	**1020**	**102**
Magnesium	**500000**	**498250**	**100**
Potassium	**50000**	**51282**	**103**
Sodium	**50000**	**51120**	**102**
Strontium	**1000**	**977**	**98**
Titanium	**1000**	**977**	**98**
Antimony	*1000*	*923*	*92*
Arsenic	*2000*	*1929*	*96*
Barium	*500*	*486*	*97*
Beryllium	*500*	*467*	*93*
Bismuth	*1000*	*997*	*100*
Cadmium	*1000*	*997*	*100*
Calcium	*500000*	*447980*	*90*
Chromium	*500*	*472*	*94*
Cobalt	*500*	*450*	*90*
Copper	*500*	*544*	*109*
Lead	*1000*	*873*	*87*
Manganese	*500*	*501*	*100*
Molybdenum	*1000*	*932*	*93*
Nickel	*1000*	*883*	*88*
Phosphorus	*2000*	*1877*	*94*
Selenium	*5000*	*4721*	*94*
Silicon	*10000*	*9711*	*97*
Silver	*1000*	*1091*	*109*
SiO2	*21400*	*20782*	*97*
Thallium	*10000*	*8264*	*83*
Thorium	*2000*	*2024*	*101*
Tin	*10000*	*8765*	*88*
Vanadium	*500*	*490*	*98*
Zinc	*1000*	*950*	*95*
Zirconium	*1000*	*960*	*96*

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-118675/14 | Instrument ID: MT_025

Lab File ID: 25A050412.asc | ICS Source: ICP ICSAB_00048

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Calcium	**500000**	**444780**	**89**
Silicon	**10000**	**9571**	**96**
Aluminum	*500000*	*486620*	*97*
Antimony	*1000*	*937*	*94*
Arsenic	*2000*	*1979*	*99*
Barium	*500*	*489*	*98*
Beryllium	*500*	*462*	*92*
Bismuth	*1000*	*995*	*100*
Boron	*2000*	*1833*	*92*
Cadmium	*1000*	*1002*	*100*
Chromium	*500*	*476*	*95*
Cobalt	*500*	*456*	*91*
Copper	*500*	*563*	*113*
Iron	*200000*	*189280*	*95*
Lead	*1000*	*896*	*90*
Lithium	*1000*	*993*	*99*
Magnesium	*500000*	*514720*	*103*
Manganese	*500*	*518*	*104*
Molybdenum	*1000*	*936*	*94*
Nickel	*1000*	*891*	*89*
Phosphorus	*2000*	*1912*	*96*
Potassium	*50000*	*52611*	*105*
Selenium	*5000*	*4895*	*98*
Silver	*1000*	*1122*	*112*
SiO2	*21400*	*20481*	*96*
Sodium	*50000*	*50720*	*101*
Strontium	*1000*	*993*	*99*
Thallium	*10000*	*8357*	*84*
Thorium	*2000*	*2086*	*104*
Tin	*10000*	*8908*	*89*
Titanium	*1000*	*983*	*98*
Vanadium	*500*	*493*	*99*
Zinc	*1000*	*973*	*97*
Zirconium	*1000*	*988*	*99*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-118675/15 | Instrument ID: MT_025

Lab File ID: 25A050412.asc | ICS Source: ICP ICSA_00055

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Calcium	**500000**	**451160**	**90**
Silicon		**-17.7**	
Aluminum	*500000*	*487270*	*97*
Antimony		*3.80*	
Arsenic		*3.59*	
Barium		*0.410*	
Beryllium		*-0.0200*	
Bismuth		*2.84*	
Boron		*-1.10*	
Cadmium		*0.590*	
Chromium		*2.73*	
Cobalt		*-0.920*	
Copper		*5.40*	
Iron	*200000*	*189320*	*95*
Lead		*5.12*	
Lithium		*1.68*	
Magnesium	*500000*	*517120*	*103*
Manganese		*0.340*	
Molybdenum		*-3.13*	
Nickel		*-0.0900*	
Phosphorus		*-4.69*	
Potassium		*-32.9*	
Selenium		*6.06*	
Silver		*-0.280*	
SiO2		*-37.8*	
Sodium		*-100*	
Strontium		*1.89*	
Thallium		*-0.0800*	
Thorium		*-13.5*	
Tin		*-3.12*	
Titanium		*-0.120*	
Vanadium		*1.84*	
Zinc		*-0.0100*	
Zirconium		*4.35*	

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-118834/13 | Instrument ID: MT_026

Lab File ID: 26d050712.asc | ICS Source: ICP ICSA_00056

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Boron		**0.0300**	
Calcium	**500000**	**471290**	**94**
Lithium		**1.26**	
Magnesium	**500000**	**496580**	**99**
Phosphorus		**-0.760**	
Potassium		**-6.66**	
Sodium		**147**	
Strontium		**1.99**	
Titanium		**-1.94**	
Aluminum	*500000*	*502930*	*101*
Antimony		*2.92*	
Arsenic		*-0.780*	
Barium		*-0.120*	
Beryllium		*-0.220*	
Bismuth		*-22.8*	
Cadmium		*0.460*	
Chromium		*2.09*	
Cobalt		*-0.430*	
Copper		*4.92*	
Iron	*200000*	*190780*	*95*
Lead		*6.26*	
Manganese		*2.71*	
Molybdenum		*-1.19*	
Nickel		*3.62*	
Selenium		*-6.76*	
Silicon		*-2.73*	
Silver		*-0.640*	
Thallium		*-0.920*	
Thorium		*-9.61*	
Tin		*0.0300*	
Vanadium		*5.53*	
Zinc		*10.6*	
Zirconium		*-0.0400*	

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-118834/14 | Instrument ID: MT_026

Lab File ID: 26d050712.asc | ICS Source: ICP ICSAB_00048

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Boron	**2000**	**1860**	**93**
Calcium	**500000**	**459550**	**92**
Lithium	**1000**	**1039**	**104**
Magnesium	**500000**	**488140**	**98**
Phosphorus	**2000**	**1909**	**95**
Potassium	**50000**	**52190**	**104**
Sodium	**50000**	**50591**	**101**
Strontium	**1000**	**980**	**98**
Titanium	**1000**	**974**	**97**
Aluminum	*500000*	*493600*	*99*
Antimony	*1000*	*986*	*99*
Arsenic	*2000*	*1962*	*98*
Barium	*500*	*493*	*99*
Beryllium	*500*	*469*	*94*
Bismuth	*1000*	*971*	*97*
Cadmium	*1000*	*1004*	*100*
Chromium	*500*	*476*	*95*
Cobalt	*500*	*454*	*91*
Copper	*500*	*528*	*106*
Iron	*200000*	*188700*	*94*
Lead	*1000*	*897*	*90*
Manganese	*500*	*488*	*98*
Molybdenum	*1000*	*948*	*95*
Nickel	*1000*	*900*	*90*
Selenium	*5000*	*4789*	*96*
Silicon	*10000*	*10031*	*100*
Silver	*1000*	*1073*	*107*
Thallium	*10000*	*8438*	*84*
Thorium	*2000*	*1965*	*98*
Tin	*10000*	*8997*	*90*
Vanadium	*500*	*497*	*99*
Zinc	*1000*	*940*	*94*
Zirconium	*1000*	*948*	*95*

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-118969/14 | Instrument ID: MT_026

Lab File ID: 26a050812.asc | ICS Source: ICP ICSA_00056

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**502890**	**101**
Iron	**200000**	**192170**	**96**
Antimony		*7.86*	
Arsenic		*-3.61*	
Barium		*1.10*	
Beryllium		*-0.110*	
Bismuth		*-2.51*	
Boron		*0.270*	
Cadmium		*0.820*	
Calcium	*500000*	*475890*	*95*
Chromium		*1.82*	
Cobalt		*-0.390*	
Copper		*3.82*	
Lead		*-2.26*	
Lithium		*-3.29*	
Magnesium	*500000*	*493200*	*99*
Manganese		*2.39*	
Molybdenum		*-1.18*	
Nickel		*3.41*	
Phosphorus		*4.38*	
Potassium		*39.0*	
Selenium		*-4.52*	
Silicon		*6.90*	
Silver		*0.320*	
Sodium		*52.2*	
Strontium		*2.02*	
Thallium		*-0.170*	
Thorium		*-0.870*	
Tin		*-1.09*	
Titanium		*-1.25*	
Vanadium		*3.58*	
Zinc		*5.76*	
Zirconium		*-0.810*	

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-118969/15 | Instrument ID: MT_026

Lab File ID: 26a050812.asc | ICS Source: ICP ICSAB_00048

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**521960**	**104**
Iron	**200000**	**199380**	**100**
Antimony	*1000*	*1002*	*100*
Arsenic	*2000*	*2019*	*101*
Barium	*500*	*513*	*103*
Beryllium	*500*	*489*	*98*
Bismuth	*1000*	*1013*	*101*
Boron	*2000*	*1933*	*97*
Cadmium	*1000*	*1037*	*104*
Calcium	*500000*	*491240*	*98*
Chromium	*500*	*498*	*100*
Cobalt	*500*	*474*	*95*
Copper	*500*	*522*	*104*
Lead	*1000*	*937*	*94*
Lithium	*1000*	*1063*	*106*
Magnesium	*500000*	*502210*	*100*
Manganese	*500*	*496*	*99*
Molybdenum	*1000*	*989*	*99*
Nickel	*1000*	*935*	*93*
Phosphorus	*2000*	*1975*	*99*
Potassium	*50000*	*53910*	*108*
Selenium	*5000*	*4913*	*98*
Silicon	*10000*	*10523*	*105*
Silver	*1000*	*1086*	*109*
Sodium	*50000*	*52085*	*104*
Strontium	*1000*	*1013*	*101*
Thallium	*10000*	*8899*	*89*
Thorium	*2000*	*2053*	*103*
Tin	*10000*	*9486*	*95*
Titanium	*1000*	*1013*	*101*
Vanadium	*500*	*516*	*103*
Zinc	*1000*	*984*	*98*
Zirconium	*1000*	*989*	*99*

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-117880/11 | Instrument ID: MT_077

Lab File ID: 012ICSA.D | ICS Source: MS 77 ICSA_00029

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Dissolved Antimony		**0.209**	
Dissolved Arsenic		**0.471**	
Dissolved Barium		**0.260**	
Dissolved Beryllium		**0.0010**	
Dissolved Cadmium		**0.398**	
Dissolved Chromium		**1.30**	
Dissolved Cobalt		**0.0010**	
Dissolved Copper		**0.630**	
Dissolved Lead		**0.167**	
Dissolved Manganese		**0.165**	
Dissolved Molybdenum	**2000**	**2060**	**103**
Dissolved Nickel		**0.671**	
Dissolved Selenium		**-0.0030**	
Dissolved Silver		**0.0600**	
Dissolved Thallium		**0.0130**	
Dissolved Uranium		**0.0080**	
Dissolved Vanadium		**0.317**	
Dissolved Zinc		**2.68**	
Aluminum	*100000*	*97009*	*97*
Fe	*100000*	*100788*	*101*
Mg	*100000*	*95196*	*95*
Niobium		*-0.0380*	
Palladium		*0.0050*	
Platinum		*0.0040*	
Thorium		*0.232*	
Tin		*0.380*	
Tungsten		*0.193*	

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-117880/12 | Instrument ID: MT_077

Lab File ID: 013ICSB.D | ICS Source: MS 77 ICSAB_00024

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Dissolved Antimony	**100**	**102**	**102**
Dissolved Arsenic	**100**	**99.3**	**99**
Dissolved Barium	**100**	**106**	**106**
Dissolved Beryllium	**100**	**102**	**102**
Dissolved Cadmium	**100**	**95.9**	**96**
Dissolved Chromium	**100**	**103**	**103**
Dissolved Cobalt	**100**	**104**	**104**
Dissolved Copper	**100**	**99.1**	**99**
Dissolved Lead	**100**	**99.8**	**100**
Dissolved Manganese	**100**	**111**	**111**
Dissolved Molybdenum	**2100**	**2234**	**106**
Dissolved Nickel	**100**	**104**	**104**
Dissolved Selenium	**100**	**103**	**103**
Dissolved Silver	**100**	**96.5**	**96**
Dissolved Thallium	**100**	**101**	**101**
Dissolved Uranium	**100**	**102**	**102**
Dissolved Vanadium	**100**	**107**	**107**
Dissolved Zinc	**100**	**104**	**104**
Aluminum	*110000*	*111019*	*101*
Fe	*110000*	*114524*	*104*
Mg	*110000*	*107626*	*98*
Niobium	*200*	*202*	*101*
Palladium	*100*	*99.4*	*99*
Platinum	*100*	*97.7*	*98*
Thorium	*100*	*100*	*100*
Tin	*100*	*102*	*102*
Tungsten	*100*	*104*	*104*

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSA 280-118058/9 | Instrument ID: MT_077

Lab File ID: 0101CSA.D | ICS Source: MS 77 ICSA_00029

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.311**	
Arsenic		**0.429**	
Barium		**0.268**	
Beryllium		**0.0360**	
Cadmium		**0.691**	
Chromium		**1.33**	
Cobalt		**0.0360**	
Copper		**0.662**	
Lead		**0.172**	
Manganese		**0.273**	
Molybdenum	**2000**	**2009**	**100**
Nickel		**0.605**	
Selenium		**0.0380**	
Silver		**0.0690**	
Thallium		**0.0350**	
Uranium		**0.0110**	
Vanadium		**0.582**	
Zinc		**3.51**	
Aluminum	*100000*	*98954*	*99*
Fe	*100000*	*95578*	*96*
Mg	*100000*	*93017*	*93*
Niobium		*0.184*	
Palladium		*0.0280*	
Platinum		*0.0090*	
Thorium		*0.500*	
Tin		*0.414*	
Tungsten		*0.137*	

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 Denver | Job No.: 280-28076-1

SDG No.:

Lab Sample ID: ICSAB 280-118058/10 | Instrument ID: MT_077

Lab File ID: 011ICSB.D | ICS Source: MS 77 ICSAB_00024

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**100**	**105**	**105**
Arsenic	**100**	**105**	**105**
Barium	**100**	**105**	**105**
Beryllium	**100**	**100**	**100**
Cadmium	**100**	**99.4**	**99**
Chromium	**100**	**106**	**106**
Cobalt	**100**	**102**	**102**
Copper	**100**	**101**	**101**
Lead	**100**	**96.8**	**97**
Manganese	**100**	**112**	**112**
Molybdenum	**2100**	**2205**	**105**
Nickel	**100**	**102**	**102**
Selenium	**100**	**102**	**102**
Silver	**100**	**101**	**101**
Thallium	**100**	**96.5**	**97**
Uranium	**100**	**97.7**	**98**
Vanadium	**100**	**105**	**105**
Zinc	**100**	**97.0**	**97**
Aluminum	*110000*	*110280*	*100*
Fe	*110000*	*108248*	*98*
Mg	*110000*	*105747*	*96*
Niobium	*200*	*200*	*100*
Palladium	*100*	*99.8*	*100*
Platinum	*100*	*95.4*	*95*
Thorium	*100*	*99.3*	*99*
Tin	*100*	*102*	*102*
Tungsten	*100*	*101*	*101*

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: MW02 MS | Lab ID: 280-28076-1 MS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	3310		1100		2000	109	83-119		6010B
Boron	1020		110		1000	91	87-113		6010B
Calcium	82000		35000		50000	94	48-153		6010B
Iron	5050		4200		1000	82	52-155	4	6010B
Lithium	1080		26		1000	106	89-114		6010B
Magnesium	48000		220		50000	96	62-146		6010B
Potassium	71900		17000		50000	110	76-132		6010B
Phosphorus	10200		18	J	10000	102	80-120		6010B
Sodium	481000		420000		50000	113	70-203	4	6010B
Strontium	1790		780		1000	100	81-125		6010B
Titanium	1010		11		1000	100	80-120		6010B
SiO2, Silica	33500		12000		21400	100	75-141		6010B

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: | Lab ID: 280-28131-S-4-C MS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	36.2		ND		40.0	90	85-115		6020
Arsenic	37.9		0.38	J	40.0	94	85-117		6020
Barium	60.1		19		40.0	103	85-118		6020
Beryllium	36.4		ND		40.0	91	80-125		6020
Cadmium	35.6		0.11	J	40.0	89	85-115		6020
Chromium	39.7		ND		40.0	99	84-121		6020
Cobalt	39.1		ND		40.0	98	85-120		6020
Copper	39.0		ND		40.0	97	85-119		6020
Lead	37.9		ND		40.0	95	85-118		6020
Manganese	40.9		0.57	J	40.0	101	85-117		6020
Molybdenum	47.8		9.8		40.0	95	85-119		6020
Nickel	38.3		0.30	J	40.0	95	85-119		6020
Selenium	28.1		ND		40.0	70	77-122	F	6020
Silver	36.0		ND		40.0	90	85-115		6020
Thallium	38.3		0.068	J	40.0	95	85-118		6020
Uranium	39.8		0.14	J	40.0	99	85-119		6020
Vanadium	41.6		ND		40.0	104	85-120		6020
Zinc	32.7		ND		40.0	82	83-122	F	6020

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BB-4-C MS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Dissolved Aluminum	1890		170		2000	86	83-119		6010B
Dissolved Boron	1100		130		1000	97	87-113		6010B
Dissolved Calcium	56900		9400		50000	95	48-153		6010B
Dissolved Iron	991		ND		1000	99	52-155		6010B
Dissolved Lithium	1010		44		1000	97	89-114		6010B
Dissolved Magnesium	47200		140	J	50000	94	62-146		6010B
Dissolved Potassium	65100		15000		50000	100	76-132		6010B
Dissolved Silicon	18700		9000		10000	97	79-140		6010B
Dissolved Sodium	328000		270000		50000	112	70-203	4	6010B
Dissolved Strontium	1310		300		1000	101	81-125		6010B
Dissolved Titanium	1000		ND		1000	100	80-120		6010B

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BB-4-E MS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Dissolved Antimony	38.2		ND		40.0	95	85-115		6020
Dissolved Arsenic	37.6		0.62	J	40.0	93	85-117		6020
Dissolved Barium	60.4		23		40.0	94	85-118		6020
Dissolved Beryllium	37.3		ND		40.0	93	80-125		6020
Dissolved Cadmium	36.8		ND		40.0	92	85-115		6020
Dissolved Chromium	40.8		ND		40.0	102	84-121		6020
Dissolved Cobalt	40.5		ND		40.0	101	85-120		6020
Dissolved Copper	38.1		ND		40.0	95	85-119		6020
Dissolved Lead	38.7		ND		40.0	97	85-118		6020
Dissolved Manganese	40.4		ND		40.0	101	85-117		6020
Dissolved Molybdenum	50.9		10		40.0	101	85-119		6020
Dissolved Nickel	38.5		ND		40.0	96	85-119		6020
Dissolved Selenium	32.7		ND		40.0	82	77-122		6020
Dissolved Silver	36.4		ND		40.0	91	85-115		6020
Dissolved Thallium	38.6		ND		40.0	97	85-118		6020
Dissolved Uranium	39.5		ND		40.0	99	85-119		6020
Dissolved Vanadium	45.4		0.60	J	40.0	112	85-120		6020
Dissolved Zinc	36.6		ND		40.0	91	83-122		6020

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: | Lab ID: 280-28131-BA-4-E MS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR C		Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	4.95		ND		5.00	99	88-111		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BA-4-B MS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury, Dissolved	4.57		ND		5.00	91	88-111		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: MW02 MSD
Lab ID: 280-28076-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-28076-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	3230	2000	105	83-119	3	20		6010B
Boron	1000	1000	90	87-113	1	20		6010B
Calcium	80900	50000	92	48-153	1	20		6010B
Iron	4970	1000	74	52-155	2	20	4	6010B
Lithium	1080	1000	105	89-114	0	20		6010B
Magnesium	47600	50000	95	62-146	1	20		6010B
Potassium	71600	50000	110	76-132	1	20		6010B
Phosphorus	10100	10000	101	80-120	1	20		6010B
Sodium	474000	50000	98	70-203	2	20	4	6010B
Strontium	1770	1000	98	81-125	1	20		6010B
Titanium	990	1000	98	80-120	2	20		6010B
SiO2, Silica	32900	21400	97	75-141	2	20		6010B

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: | Lab ID: 280-28131-S-4-D MSD

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	36.6	40.0	92	85-115	1	20		6020
Arsenic	38.0	40.0	94	85-117	0	20		6020
Barium	63.5	40.0	112	85-118	5	20		6020
Beryllium	35.8	40.0	89	80-125	2	20		6020
Cadmium	34.9	40.0	87	85-115	2	20		6020
Chromium	40.4	40.0	101	84-121	2	20		6020
Cobalt	41.8	40.0	105	85-120	7	20		6020
Copper	40.2	40.0	101	85-119	3	20		6020
Lead	40.1	40.0	100	85-118	6	20		6020
Manganese	43.2	40.0	107	85-117	5	20		6020
Molybdenum	51.3	40.0	104	85-119	7	20		6020
Nickel	41.1	40.0	102	85-119	7	20		6020
Selenium	28.6	40.0	71	77-122	2	20	F	6020
Silver	38.4	40.0	96	85-115	6	20		6020
Thallium	39.5	40.0	99	85-118	3	20		6020
Uranium	41.7	40.0	104	85-119	4	20		6020
Vanadium	43.2	40.0	108	85-120	4	20		6020
Zinc	35.5	40.0	89	83-122	8	20		6020

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BB-4-D MSD

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Dissolved Aluminum	1880	2000	86	83-119	1	20		6010B
Dissolved Boron	1090	1000	96	87-113	1	20		6010B
Dissolved Calcium	57200	50000	95	48-153	0	20		6010B
Dissolved Iron	979	1000	98	52-155	1	20		6010B
Dissolved Lithium	1000	1000	96	89-114	1	20		6010B
Dissolved Magnesium	46800	50000	93	62-146	1	20		6010B
Dissolved Potassium	64700	50000	99	76-132	1	20		6010B
Dissolved Silicon	18900	10000	100	79-140	1	20		6010B
Dissolved Sodium	327000	50000	110	70-203	0	20	4	6010B
Dissolved Strontium	1300	1000	100	81-125	1	20		6010B
Dissolved Titanium	998	1000	100	80-120	1	20		6010B

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BB-4-F MSD

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Dissolved Antimony	37.6	40.0	94	85-115	1	20		6020
Dissolved Arsenic	36.8	40.0	91	85-117	2	20		6020
Dissolved Barium	61.1	40.0	95	85-118	1	20		6020
Dissolved Beryllium	32.9	40.0	82	80-125	13	20		6020
Dissolved Cadmium	33.9	40.0	85	85-115	8	20		6020
Dissolved Chromium	37.9	40.0	95	84-121	7	20		6020
Dissolved Cobalt	37.5	40.0	94	85-120	8	20		6020
Dissolved Copper	38.4	40.0	96	85-119	1	20		6020
Dissolved Lead	36.3	40.0	91	85-118	6	20		6020
Dissolved Manganese	41.2	40.0	103	85-117	2	20		6020
Dissolved Molybdenum	49.4	40.0	98	85-119	3	20		6020
Dissolved Nickel	36.1	40.0	90	85-119	7	20		6020
Dissolved Selenium	29.0	40.0	73	77-122	12	20	F	6020
Dissolved Silver	35.1	40.0	88	85-115	4	20		6020
Dissolved Thallium	36.8	40.0	92	85-118	5	20		6020
Dissolved Uranium	37.2	40.0	93	85-119	6	20		6020
Dissolved Vanadium	41.7	40.0	103	85-120	8	20		6020
Dissolved Zinc	36.8	40.0	92	83-122	0	20		6020

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: | Lab ID: 280-28131-BA-4-F MSD

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	4.76	5.00	95	88-111	4	10		7470A

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BA-4-C MSD

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury, Dissolved	4.83	5.00	97	88-111	5	10		7470A

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: | Lab ID: 280-28131-S-4-B PDS

Lab Name: Test America Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	192		ND		200	96	75-125		6020
Arsenic	183		0.38	J	200	91	75-125		6020
Barium	229		19		200	105	75-125		6020
Beryllium	184		ND		200	92	75-125		6020
Cadmium	187		0.11	J	200	93	75-125		6020
Chromium	204		ND		200	102	75-125		6020
Cobalt	208		ND		200	104	75-125		6020
Copper	203		ND		200	101	75-125		6020
Lead	200		ND		200	100	75-125		6020
Manganese	209		0.57	J	200	104	75-125		6020
Molybdenum	212		9.8		200	101	75-125		6020
Nickel	203		0.30	J	200	102	75-125		6020
Selenium	163		ND		200	82	75-125		6020
Silver	129		ND		200	65	75-125	W	6020
Thallium	201		0.068	J	200	100	75-125		6020
Uranium	211		0.14	J	200	106	75-125		6020
Vanadium	214		ND		200	107	75-125		6020
Zinc	173		ND		200	87	75-125		6020

SSR = Spiked Sample Result

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

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: | Lab ID: 280-28131-BB-4-A PDS

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Dissolved Antimony	188		ND		200	94	75-125		6020
Dissolved Arsenic	187		0.62	J	200	93	75-125		6020
Dissolved Barium	219		23		200	98	75-125		6020
Dissolved Beryllium	186		ND		200	93	75-125		6020
Dissolved Cadmium	181		ND		200	90	75-125		6020
Dissolved Chromium	196		ND		200	98	75-125		6020
Dissolved Cobalt	198		ND		200	99	75-125		6020
Dissolved Copper	192		ND		200	96	75-125		6020
Dissolved Lead	188		ND		200	94	75-125		6020
Dissolved Manganese	203		ND		200	102	75-125		6020
Dissolved Molybdenum	216		10		200	103	75-125		6020
Dissolved Nickel	192		ND		200	96	75-125		6020
Dissolved Selenium	176		ND		200	88	75-125		6020
Dissolved Silver	126		ND		200	63	75-125	W	6020
Dissolved Thallium	189		ND		200	94	75-125		6020
Dissolved Uranium	194		ND		200	97	75-125		6020
Dissolved Vanadium	211		0.60	J	200	105	75-125		6020
Dissolved Zinc	192		ND		200	96	75-125		6020

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 280-117184/2-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00044

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Dissolved Aluminum	2000	1820		91	87	111		6010B
Dissolved Boron	1000	978		98	86	110		6010B
Dissolved Calcium	50000	45400		91	90	111		6010B
Dissolved Iron	1000	944		94	89	115		6010B
Dissolved Lithium	1000	969		97	90	112		6010B
Dissolved Magnesium	50000	47600		95	90	113		6010B
Dissolved Potassium	50000	48900		98	89	114		6010B
Dissolved Silicon	10000	9210		92	90	110		6010B
Dissolved Sodium	50000	50600		101	90	115		6010B
Dissolved Strontium	1000	986		99	90	111		6010B
Dissolved Titanium	1000	989		99	90	111		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TOTAL RECOVERABLE

Lab ID: LCSD 280-117184/3-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00044

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Dissolved Aluminum	1840		2000	92	87-111	1	20		6010B
Dissolved Boron	983		1000	98	86-110	0	20		6010B
Dissolved Calcium	46000		50000	92	90-111	1	20		6010B
Dissolved Iron	966		1000	97	89-115	2	20		6010B
Dissolved Lithium	979		1000	98	90-112	1	20		6010B
Dissolved Magnesium	47900		50000	96	90-113	1	20		6010B
Dissolved Potassium	49500		50000	99	89-114	1	20		6010B
Dissolved Silicon	9350		10000	93	90-110	1	20		6010B
Dissolved Sodium	51300		50000	103	90-115	1	20		6010B
Dissolved Strontium	996		1000	100	90-111	1	20		6010B
Dissolved Titanium	997		1000	100	90-111	1	20		6010B

SDR = Spike Duplicate Results

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-118701/2-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: ICP SPK 2A_00043

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Boron	1000	926		93	86	110		6010B
Calcium	50000	46300		93	90	111		6010B
Lithium	1000	1040		104	90	112		6010B
Magnesium	50000	48600		97	90	113		6010B
Potassium	50000	53200		106	89	114		6010B
Phosphorus	10000	9920		99	86	115		6010B
Sodium	50000	52300		105	90	115		6010B
Strontium	1000	984		98	90	111		6010B
Titanium	1000	984		98	90	111		6010B
SiO2, Silica	21400	20200		94	90	110		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-118701/3-A

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

Sample Matrix: Water | LCS Source: ICP SPK 2A_00043

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Boron	936		1000	94	86-110	1	20		6010B
Calcium	47200		50000	94	90-111	2	20		6010B
Lithium	1050		1000	105	90-112	1	20		6010B
Magnesium	49100		50000	98	90-113	1	20		6010B
Potassium	53700		50000	107	89-114	1	20		6010B
Phosphorus	10000		10000	100	86-115	1	20		6010B
Sodium	53900		50000	108	90-115	3	20		6010B
Strontium	1000		1000	100	90-111	2	20		6010B
Titanium	994		1000	99	90-111	1	20		6010B
SiO2, Silica	20500		21400	96	90-110	1	20		6010B

SDR = Spike Duplicate Results

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-118701/2-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00045

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	2080		104	87	111		6010B
Iron	1000	1020		102	89	115		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-118701/3-A

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

Sample Matrix: Water | LCS Source: ICP SPK 3A_00045

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	2090		2000	104	87-111	1	20		6010B
Iron	1010		1000	101	89-115	1	20		6010B

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 280-117185/2-A

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

Sample Matrix: Water | LCS Source: MS CALSTD-2_00063

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Dissolved Antimony	40.0	40.0		100	85	115		6020
Dissolved Arsenic	40.0	36.5		91	85	117		6020
Dissolved Barium	40.0	40.3		101	85	118		6020
Dissolved Beryllium	40.0	36.5		91	80	125		6020
Dissolved Cadmium	40.0	37.8		94	85	115		6020
Dissolved Chromium	40.0	38.7		97	84	121		6020
Dissolved Cobalt	40.0	39.4		99	85	120		6020
Dissolved Copper	40.0	39.7		99	85	119		6020
Dissolved Lead	40.0	40.6		102	85	118		6020
Dissolved Manganese	40.0	41.2		103	85	117		6020
Dissolved Molybdenum	40.0	42.1		105	85	119		6020
Dissolved Nickel	40.0	41.8		105	85	119		6020
Dissolved Selenium	40.0	36.3		91	77	122		6020
Dissolved Silver	40.0	40.3		101	85	115		6020
Dissolved Thallium	40.0	40.7		102	85	118		6020
Dissolved Uranium	40.0	40.3		101	85	119		6020
Dissolved Vanadium	40.0	37.8		95	85	120		6020
Dissolved Zinc	40.0	38.3		96	83	122	^	6020

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TOTAL RECOVERABLE

Lab ID: LCSD 280-117185/3-A

Lab Name: Test America Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: MS CALSTD-2_00063

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Dissolved Antimony	39.4		40.0	99	85-115	2	20		6020
Dissolved Arsenic	34.3		40.0	86	85-117	6	20		6020
Dissolved Barium	39.5		40.0	99	85-118	2	20		6020
Dissolved Beryllium	37.8		40.0	94	80-125	4	20		6020
Dissolved Cadmium	38.4		40.0	96	85-115	2	20		6020
Dissolved Chromium	39.4		40.0	98	84-121	2	20		6020
Dissolved Cobalt	41.0		40.0	102	85-120	4	20		6020
Dissolved Copper	41.7		40.0	104	85-119	5	20		6020
Dissolved Lead	41.6		40.0	104	85-118	2	20		6020
Dissolved Manganese	42.1		40.0	105	85-117	2	20		6020
Dissolved Molybdenum	40.7		40.0	102	85-119	3	20		6020
Dissolved Nickel	42.0		40.0	105	85-119	0	20		6020
Dissolved Selenium	36.1		40.0	90	77-122	1	20		6020
Dissolved Silver	41.3		40.0	103	85-115	2	20		6020
Dissolved Thallium	41.6		40.0	104	85-118	2	20		6020
Dissolved Uranium	41.5		40.0	104	85-119	3	20		6020
Dissolved Vanadium	41.7		40.0	104	85-120	10	20		6020
Dissolved Zinc	40.3		40.0	101	83-122	5	20	^	6020

SDR = Spike Duplicate Results

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-117181/2-A

Lab Name: Test America Denver | Job No.: 280-28076-1

Sample Matrix: Water | LCS Source: MS CALSTD-2_00063

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	40.0	38.2		95	85	115		6020
Arsenic	40.0	36.1		90	85	117		6020
Barium	40.0	40.5		101	85	118		6020
Beryllium	40.0	36.0		90	80	125		6020
Cadmium	40.0	38.4		96	85	115		6020
Chromium	40.0	39.9		100	84	121		6020
Cobalt	40.0	40.9		102	85	120		6020
Copper	40.0	41.2		103	85	119		6020
Lead	40.0	41.5		104	85	118		6020
Manganese	40.0	41.5		104	85	117		6020
Molybdenum	40.0	38.6		96	85	119		6020
Nickel	40.0	41.1		103	85	119		6020
Selenium	40.0	31.6		79	77	122		6020
Silver	40.0	40.4		101	85	115		6020
Thallium	40.0	41.5		104	85	118		6020
Uranium	40.0	41.5		104	85	119		6020
Vanadium	40.0	39.1		98	85	120		6020
Zinc	40.0	35.0		87	83	122		6020

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-117181/3-A

Lab Name: TestAmerica Denver | Job No.: 280-28076-1

Sample Matrix: Water | LCS Source: MS CALSTD-2_00063

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	38.3		40.0	96	85-115	0	20		6020
Arsenic	35.3		40.0	88	85-117	2	20		6020
Barium	40.6		40.0	101	85-118	0	20		6020
Beryllium	38.7		40.0	97	80-125	7	20		6020
Cadmium	38.2		40.0	96	85-115	0	20		6020
Chromium	41.4		40.0	104	84-121	4	20		6020
Cobalt	41.0		40.0	102	85-120	0	20		6020
Copper	42.1		40.0	105	85-119	2	20		6020
Lead	41.0		40.0	103	85-118	1	20		6020
Manganese	41.5		40.0	104	85-117	0	20		6020
Molybdenum	40.4		40.0	101	85-119	5	20		6020
Nickel	41.6		40.0	104	85-119	1	20		6020
Selenium	32.3		40.0	81	77-122	2	20		6020
Silver	40.9		40.0	102	85-115	1	20		6020
Thallium	40.9		40.0	102	85-118	1	20		6020
Uranium	41.8		40.0	104	85-119	1	20		6020
Vanadium	42.5		40.0	106	85-120	8	20		6020
Zinc	36.0		40.0	90	83-122	3	20		6020

SDR = Spike Duplicate Results

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-117333/2-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: Hg Daily Spk_00540

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury, Dissolved	5.00	4.87		97	88	111		7470A

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-117333/3-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: Hg Daily Spk_00540

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury, Dissolved	4.91		5.00	98	88-111	1	10		7470A

SDR = Spike Duplicate Results

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-117332/2-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: Hg Daily Spk_00540

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.87		97	88	111		7470A

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-117332/11-A

Lab Name: TestAmerica Denver Job No.: 280-28076-1

Sample Matrix: Water LCS Source: Hg Daily Spk_00540

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	5.33		5.00	107	88-111	9	10		7470A

SDR = Spike Duplicate Results

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

FORM VIID - IN

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

Lab ID: 280-28076-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-28076-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	1100		1320		16	V	6010B
Boron	110		121	J	NC		6010B
Calcium	35000		37300		5.9		6010B
Iron	4200		4420		4.6		6010B
Lithium	26		31.4	J	NC		6010B
Magnesium	220		239	J	NC		6010B
Potassium	17000		17900		6.6		6010B
Phosphorus	18	J	ND		NC		6010B
Sodium	420000		451000		6.1		6010B
Strontium	780		832		6.0		6010B
Titanium	11		8.70	J	NC		6010B
SiO2, Silica	12000		12700		4.9		6010B

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

FORM VIII-IN

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

Lab ID: 280-28131-BB-4-B SD ^5

SDG No:

Lab Name: Test America Denver Job No: 280-28076-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	170		181	J	NC		6010B
Boron	130		133	J	NC		6010B
Calcium	9400		9470		0.57		6010B
Iron	ND		ND		NC		6010B
Lithium	44		49.2	J	NC		6010B
Magnesium	140	J	185	J	NC		6010B
Potassium	15000		15300		1.8		6010B
Silicon	9000		8840		1.6		6010B
Sodium	270000		279000		2.6		6010B
Strontium	300		302		1.5		6010B
Titanium	ND		6.00	J	NC		6010B

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

FORM VIII-IN

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

Lab ID: 280-28131-S-4-B SD ^5

SDG No:

Lab Name: Test America Denver Job No: 280-28076-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	ND		ND		NC		6020
Arsenic	0.38	J	ND		NC		6020
Barium	19		20.4		9.0		6020
Beryllium	ND		ND		NC		6020
Cadmium	0.11	J	ND		NC		6020
Chromium	ND		ND		NC		6020
Cobalt	ND		ND		NC		6020
Copper	ND		ND		NC		6020
Lead	ND		ND		NC		6020
Manganese	0.57	J	ND		NC		6020
Molybdenum	9.8		8.69	J	12		6020
Nickel	0.30	J	ND		NC		6020
Selenium	ND		ND		NC		6020
Silver	ND		ND		NC		6020
Thallium	0.068	J	ND		NC		6020
Uranium	0.14	J	ND		NC		6020
Vanadium	ND		ND		NC		6020
Zinc	ND		ND		NC		6020

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

FORM VIII-IN

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

Lab ID: 280-28131-BB-4-A SD ^5

SDG No:

Lab Name: Test America Denver Job No: 280-28076-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Dissolved Antimony	ND		ND		NC		6020
Dissolved Arsenic	0.62	J	ND		NC		6020
Dissolved Barium	23		21.8		5.1		6020
Dissolved Beryllium	ND		ND		NC		6020
Dissolved Cadmium	ND		1.12	J	NC		6020
Dissolved Chromium	ND		ND		NC		6020
Dissolved Cobalt	ND		ND		NC		6020
Dissolved Copper	ND		ND		NC		6020
Dissolved Lead	ND		ND		NC		6020
Dissolved Manganese	ND		ND		NC		6020
Dissolved Molybdenum	10		9.63	J	7.0		6020
Dissolved Nickel	ND		ND		NC		6020
Dissolved Selenium	ND		ND		NC		6020
Dissolved Silver	ND		ND		NC		6020
Dissolved Thallium	ND		ND		NC		6020
Dissolved Uranium	ND		ND		NC		6020
Dissolved Vanadium	0.60	J	ND		NC		6020
Dissolved Zinc	ND		ND		NC	^	6020

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_026

Method: 6010B MDL Date: 02/23/2011 08:42

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum	167	100	18
Boron	208.9	100	4.37
Calcium	317.9	200	34.5
Iron	259.9	100	22
Lithium	670.7	10	2.61
Magnesium	279	200	10.7
Phosphorus	178.2	3000	13.5
Potassium	766.4	3000	237
SiO2, Silica	288.1	500	74.3
Sodium	589.5	1000	91.6
Strontium	407.7	10	0.3
Titanium	334.9	10	0.595

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver | Job Number: 280-28076-1

SDG Number:

Matrix: Water | Instrument ID: MT_026

Method: 6010B | XMDL Date: 02/23/2011 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Boron		100	4.37
Calcium		200	34.5
Iron		100	22
Lithium		10	2.61
Magnesium		200	10.7
Phosphorus		3000	13.5
Potassium		3000	237
SiO2, Silica		1100	74.3
Sodium		1000	91.6
Strontium		10	0.3
Titanium		10	0.595

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Test America Denver | Job Number: 280-28076-1

SDG Number:

Matrix: Water | Instrument ID: MT_025

Method: 6010B | MDL Date: 02/23/2011 08:42

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Dissolved Aluminum	167	100	18
Dissolved Boron	208.9	100	4.37
Dissolved Calcium	317.9	200	34.5
Dissolved Iron	259.9	100	22
Dissolved Lithium	670.7	10	2.61
Dissolved Magnesium	279	200	10.7
Dissolved Potassium	766.4	3000	237
Dissolved Silicon	288.1	500	34.7
Dissolved Sodium	589.5	1000	91.6
Dissolved Strontium	407.7	10	0.3
Dissolved Titanium	334.9	10	0.595

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_025

Method: 6010B XMDL Date: 02/23/2011 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Dissolved Aluminum		100	18
Dissolved Boron		100	4.37
Dissolved Calcium		200	34.5
Dissolved Iron		100	22
Dissolved Lithium		10	2.61
Dissolved Magnesium		200	10.7
Dissolved Potassium		3000	237
Dissolved Silicon		1100	74.3
Dissolved Sodium		1000	91.6
Dissolved Strontium		10	0.3
Dissolved Titanium		10	0.595

9-IN
DETECTION LIMITS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_077

Method: 6020 MDL Date: 03/26/2012 14:37

Prep Method: 3020A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Antimony	121	2	0.4
Arsenic	75	5	0.33
Barium	137	1	0.29
Beryllium	9	1	0.08
Cadmium	111	1	0.1
Chromium	52	2	0.5
Cobalt	59	1	0.054
Copper	63	2	0.56
Lead	208	1	0.18
Manganese	55	1	0.31
Molybdenum	95	2	0.14
Nickel	60	2	0.3
Selenium	78	5	0.7
Silver	107	5	0.033
Thallium	205	1	0.05
Uranium	238	1	0.05
Vanadium	51	5	0.5
Zinc	66	10	2

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_077

Method: 6020 XMDL Date: 03/26/2012 14:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony		2	0.4
Arsenic		5	0.33
Barium		1	0.29
Beryllium		1	0.08
Cadmium		1	0.1
Chromium		2	0.5
Cobalt		1	0.054
Copper		2	0.56
Lead		1	0.18
Manganese		1	0.31
Molybdenum		2	0.14
Nickel		2	0.3
Selenium		5	0.7
Silver		5	0.033
Thallium		1	0.05
Uranium		1	0.06
Vanadium		5	0.5
Zinc		10	2

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Test America Denver | Job Number: 280-28076-1

SDG Number:

Matrix: Water | Instrument ID: MT_077

Method: 6020 | MDL Date: 03/26/2012 14:37

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Dissolved Antimony	121	2	0.4
Dissolved Arsenic	75	5	0.33
Dissolved Barium	137	1	0.29
Dissolved Beryllium	9	1	0.08
Dissolved Cadmium	111	1	0.1
Dissolved Chromium	52	2	0.5
Dissolved Cobalt	59	1	0.054
Dissolved Copper	63	2	0.56
Dissolved Lead	208	1	0.18
Dissolved Manganese	55	1	0.31
Dissolved Molybdenum	95	2	0.14
Dissolved Nickel	60	2	0.3
Dissolved Selenium	78	5	0.7
Dissolved Silver	107	5	0.033
Dissolved Thallium	205	1	0.05
Dissolved Uranium	238	1	0.05
Dissolved Vanadium	51	5	0.5
Dissolved Zinc	66	10	2

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_077

Method: 6020 XMDL Date: 03/26/2012 14:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Dissolved Antimony		2	0.4
Dissolved Arsenic		5	0.33
Dissolved Barium		1	0.29
Dissolved Beryllium		1	0.08
Dissolved Cadmium		1	0.1
Dissolved Chromium		2	0.5
Dissolved Cobalt		1	0.054
Dissolved Copper		2	0.56
Dissolved Lead		1	0.18
Dissolved Manganese		1	0.31
Dissolved Molybdenum		2	0.14
Dissolved Nickel		2	0.3
Dissolved Selenium		5	0.7
Dissolved Silver		5	0.033
Dissolved Thallium		1	0.05
Dissolved Uranium		1	0.06
Dissolved Vanadium		5	0.5
Dissolved Zinc		10	2

9-IN
DETECTION LIMITS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_033

Method: 7470A MDL Date: 10/28/2011 16:20

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury	253.7	0.2	0.027

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_033

Method: 7470A XMDL Date: 11/30/2010 11:23

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.027

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_033

Method: 7470A MDL Date: 10/28/2011 16:20

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury, Dissolved	253.7	0.2	0.027

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Test America Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: MT_033

Method: 7470A XMDL Date: 11/30/2010 11:23

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury, Dissolved		0.2	0.027

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wavelength	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001279	
Aluminum	309.271														
Antimony	206.833		0.000024									0.010807		-0.000028	
Arsenic	189.042											-0.013729			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061											0.002290			
Boron	208.959														
Cadmium	228.802			0.009901							-0.002566				
Calcium	317.933														
Chromium	205.552						-0.002169								
Cobalt	228.616														
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441														
Lead	220.353		-0.000034										-0.000060	0.000039	
Lithium	670.784								0.000009						
Magnesium	279.079														
Manganese	257.610		0.000001												
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000006											0.000003	
Silicon	288.158											-0.001431			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000009						
Sulfur	182.034		-0.000192												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wavelength	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856										0.001073	0.000241			
Thorium	283.730											0.000240		0.000712	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001088				-0.000025			-0.001869		0.000228	
Vanadium	292.402											-0.006175			
Zinc	206.200		0.000005									-0.000360			
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wavelength	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000334										
Arsenic	189.042				-0.003964										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.030543										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552						0.000151								
Cobalt	228.616			-0.000001	-0.000837		0.000134								
Copper	324.754				0.000500										
Iron	259.940		-0.000894												
Iron	271.441														
Lead	220.353				-0.001354		-0.000117					0.000046			
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284				-0.001305										
Potassium	766.490														
Selenium	196.090			0.000493											
Silicon	288.158														
Silver	328.068				-0.000351										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003209	-0.003475										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wavelength	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000693											
Thorium	283.730				0.000660		0.000237								
Tin	189.989														
Titanium	334.904		0.000003		0.000889										
Uranium	370.152														
Vanadium	292.402			-0.000497											
Zinc	206.200														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833				-0.001827			-0.000984							
Arsenic	189.042														
Barium	455.403							0.001174							
Beryllium	313.042		-0.000435			0.000123									
Bismuth	223.061		-0.001095												
Boron	208.959														
Cadmium	228.802														
Calcium	317.933	-0.000140													
Chromium	205.552	0.000009			0.000018										
Cobalt	228.616		0.002236		0.000080										
Copper	324.754	0.003098	-0.000225		-0.000500	-0.000352		-0.000249							
Iron	259.940					-0.209500									
Iron	271.441														
Lead	220.353		-0.000970		0.000579			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.054487			-0.013786										
Manganese	257.610				0.000112										
Molybdenum	202.030				0.000112										
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			-0.000481	-0.001597										
Silicon	288.158														
Silver	328.068	0.000555			0.000928			-0.001256							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034					0.001800									

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856		-0.000398			-0.0004270									
Thorium	283.730				0.019631			0.020865							
Tin	189.989		-0.002941												
Titanium	334.904	0.006421			-0.000559										
Uranium	370.152		0.005239												
Vanadium	292.402	0.000848	0.000278		-0.000636										
Zinc	206.200														
Zirconium	339.198	0.041490													

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wavelength	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001910	
Aluminum	309.271														
Antimony	206.833		-0.000008						-0.000008			0.006305		0.000016	
Arsenic	189.042		0.000004									-0.002115			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.002850			-0.000021	
Boron	208.959														
Cadmium	228.802			0.001927							0.000016				
Calcium	317.933														
Chromium	205.552						-0.002780								
Cobalt	228.616					-0.000228									
Copper	324.754														
Iron	259.940														
Iron	271.441										0.109000				
Lead	220.353		-0.000047										0.000046	0.000022	
Lithium	670.784								0.000011						
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000030						-0.000009					0.000004	
Silicon	288.158											0.000027			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000010						
Thallium	190.856										0.004470	0.000241			

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wavelength	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thorium	283.730	0.000012								-0.000171		-0.000233		0.000695	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001355							-0.002090		-0.000217	
Vanadium	292.402											-0.006149			
Zinc	206.200											-0.000639			
Zirconium	339.198													-0.000036	

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wavelength	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.003939												
Aluminum	167.079														
Antimony	206.833				-0.002164										
Arsenic	189.042				-0.000564										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														
Boron	208.959				0.043450										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000100		0.000046								
Cobalt	228.616				-0.000461		0.000049								
Copper	324.754														
Iron	259.940														
Iron	271.441														
Lead	220.353		0.000001		-0.001630		0.000200				0.000013	0.000561			
Lithium	670.784		0.000008												
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			0.000468											
Silicon	288.158				-0.005890									0.001650	
Silver	328.068				-0.000308										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856			0.000720	-0.000286										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wavelength	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Thorium	283.730		-0.000002		0.000415		0.000139								
Tin	189.989														
Titanium	334.904		0.000009		0.000462										
Uranium	370.152				0.001220										
Vanadium	292.402			-0.000305											
Zinc	206.200														
Zirconium	339.198				0.000494							0.000018			

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833				-0.001080			-0.001150							
Arsenic	189.042														
Barium	455.403							0.001353							
Beryllium	313.042		-0.000233												
Bismuth	223.061	0.000544	-0.009276		-0.006227										
Boron	208.959														
Cadmium	228.802														
Calcium	317.933	-0.001874													
Chromium	205.552				0.000035										
Cobalt	228.616		0.001858												
Copper	324.754	0.001946	-0.000535					-0.002353							
Iron	259.940														
Iron	271.441					-0.456000		-0.128890							
Lead	220.353		-0.000765		0.000568										
Lithium	670.784														
Magnesium	279.079	-0.028160			-0.010626										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090	-0.000475			-0.001609										
Silicon	288.158														
Silver	328.068	-0.001149			0.001560			0.002740							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856		-0.000928		-0.000656	-0.008483									

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Test America Denver Job Number: 280-28076-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wavelength	Th	Ti	Tl	U	V	Zn	Zr							
Thorium	283.730				0.022130			0.022520							
Tin	189.989		-0.000896												
Titanium	334.904	0.003087			-0.000660										
Uranium	370.152	-0.004100	0.006150												
Vanadium	292.402	0.001332	0.000957		-0.000553										
Zinc	206.200														
Zirconium	339.198	0.043998													

X-IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-28076-1

SDG No.:

Instrument ID: MT_025 Date: 04/13/2012 13:45

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Dissolved Aluminum		1000	6010B
Dissolved Boron		100	6010B
Dissolved Calcium		1000	6010B
Dissolved Iron		2000	6010B
Dissolved Lithium		25	6010B
Dissolved Magnesium		1500	6010B
Dissolved Potassium		500	6010B
Dissolved Silicon		200	6010B
Dissolved Sodium		10000	6010B
Dissolved Strontium		20	6010B
Dissolved Titanium		25	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-28076-1

SDG No.:

Instrument ID: MT_026 Date: 04/13/2012 13:57

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010B
Boron		100	6010B
Calcium		2000	6010B
Iron		2000	6010B
Magnesium		2000	6010B
Lithium		25	6010B
Potassium		500	6010B
Phosphorus		20	6010B
Sodium		10000	6010B
Strontium		20	6010B
Titanium		25	6010B
SiO2, Silica		428	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-28076-1

SDG No.:

Instrument ID: MT_077 Date: 04/06/2012 11:09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		4000	6020
Dissolved Antimony		4000	6020
Arsenic		4000	6020
Dissolved Arsenic		4000	6020
Barium		5000	6020
Dissolved Barium		5000	6020
Beryllium		4000	6020
Dissolved Beryllium		4000	6020
Cadmium		4000	6020
Dissolved Cadmium		4000	6020
Chromium		5000	6020
Dissolved Chromium		5000	6020
Cobalt		4000	6020
Dissolved Cobalt		4000	6020
Copper		5000	6020
Dissolved Copper		5000	6020
Dissolved Lead		5000	6020
Lead		5000	6020
Dissolved Manganese		20000	6020
Manganese		20000	6020
Dissolved Molybdenum		4000	6020
Molybdenum		4000	6020
Dissolved Nickel		5000	6020
Nickel		5000	6020
Dissolved Selenium		4000	6020
Selenium		4000	6020
Dissolved Silver		300	6020
Silver		300	6020
Dissolved Thallium		4000	6020
Thallium		4000	6020
Dissolved Uranium		4000	6020
Uranium		4000	6020
Dissolved Vanadium		4000	6020
Vanadium		4000	6020
Dissolved Zinc		5000	6020
Zinc		5000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-117184/1-A	05/01/2012 08:15	117184		50	50
LCS 280-117184/2-A	05/01/2012 08:15	117184		50	50
LCSD 280-117184/3-A	05/01/2012 08:15	117184		50	50
280-28076-1	05/01/2012 08:15	117184		50	50
280-28131-BB-4-C MS	05/01/2012 08:15	117184		50	50
280-28131-BB-4-D MSD	05/01/2012 08:15	117184		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-118701/1-A	05/07/2012 14:00	118701		50	50
LCS 280-118701/2-A	05/07/2012 14:00	118701		50	50
LCSD 280-118701/3-A	05/07/2012 14:00	118701		50	50
280-28076-1	05/07/2012 14:00	118701		50	50
280-28076-1 MS	05/07/2012 14:00	118701		50	50
280-28076-1 MSD	05/07/2012 14:00	118701		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 3020A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-117181/1-A	05/02/2012 08:00	117181		50	50
LCS 280-117181/2-A	05/02/2012 08:00	117181		50	50
LCSD 280-117181/3-A	05/02/2012 08:00	117181		50	50
280-28131-S-4-C MS	05/02/2012 08:00	117181		50	50
280-28131-S-4-D MSD	05/02/2012 08:00	117181		50	50
280-28076-1	05/02/2012 08:00	117181		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-117185/1-A	05/01/2012 08:15	117185		50	50
LCS 280-117185/2-A	05/01/2012 08:15	117185		50	50
LCSD 280-117185/3-A	05/01/2012 08:15	117185		50	50
280-28076-1	05/01/2012 08:15	117185		50	50
280-28131-BB-4-E MS	05/01/2012 08:15	117185		50	50
280-28131-BB-4-F MSD	05/01/2012 08:15	117185		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-117332/1-A	05/03/2012 12:30	117332		30	30
LCS 280-117332/2-A	05/03/2012 12:30	117332		30	30
280-28076-1	05/03/2012 12:30	117332		30	30
280-28131-BA-4-E MS	05/03/2012 12:30	117332		30	30
280-28131-BA-4-F MSD	05/03/2012 12:30	117332		30	30
LCSD 280-117332/11-A	05/03/2012 12:30	117332		30	30

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-117333/1-A	05/03/2012 12:30	117333		30	30
LCS 280-117333/2-A	05/03/2012 12:30	117333		30	30
LCSD 280-117333/3-A	05/03/2012 12:30	117333		30	30
280-28076-1	05/03/2012 12:30	117333		30	30
280-28131-BA-4-B MS	05/03/2012 12:30	117333		30	30
280-28131-BA-4-C MSD	05/03/2012 12:30	117333		30	30

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/01/2012 12:58 End Date: 05/02/2012 07:33

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B	Ca	Fe	K	Li	Mg	Na	Si	Sr	Ti									
ICIS 280-117859/1	1		12:58	X	X	X	X	X	X	X	X	X	X	X									
IC 280-117859/2			13:01	X	X	X	X	X	X	X	X	X	X	X									
IC 280-117859/3			13:03	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
ICVH 280-117859/6	1		13:10	X	X	X	X	X	X	X	X	X	X	X									
ICV 280-117859/7	1		13:13	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			13:16																				
CCVH 280-117859/9			13:19																				
CCV 280-117859/10			13:22																				
ICB 280-117859/11	1		13:24	X	X	X	X	X	X	X	X	X	X	X									
CRI 280-117859/12	1		13:26	X	X	X	X	X	X	X	X	X	X	X									
CRI 280-117859/13			13:34																				
ICSA 280-117859/14	1		13:39	X	X	X	X	X	X	X	X	X	X	X									
ICSAB 280-117859/15	1		13:41	X	X	X	X	X	X	X	X	X	X	X									
LRA 280-117859/16			13:44																				
CCVH 280-117859/17			13:46																				
CCV 280-117859/18			13:49																				
CCB 280-117859/19			13:51																				
ZZZZZZ			13:53																				
CCVH 280-117859/21			00:28																				
CCV 280-117859/22			00:30																				
CCB 280-117859/23			00:32																				
ZZZZZZ			00:35																				
ZZZZZZ			00:37																				
ZZZZZZ			00:40																				
ZZZZZZ			00:42																				
ZZZZZZ			00:44																				
ZZZZZZ			00:47																				
ZZZZZZ			00:49																				
ZZZZZZ			00:51																				
ZZZZZZ			00:54																				
ZZZZZZ			00:56																				
CCVH 280-117859/34			00:59																				
CCV 280-117859/35			01:01																				
CCB 280-117859/36			01:04																				
ZZZZZZ			01:06																				
ZZZZZZ			01:08																				
ZZZZZZ			01:11																				
ZZZZZZ			01:13																				
ZZZZZZ			01:16																				
ZZZZZZ			01:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/01/2012 12:58 End Date: 05/02/2012 07:33

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B	Ca	Fe	K	Li	Mg	Na	Si	Sr	Ti									
ZZZZZZ			01:21																				
CCVH 280-117859/44			01:24																				
CCV 280-117859/45			01:26																				
CCB 280-117859/46			01:28																				
ZZZZZZ			01:31																				
ZZZZZZ			01:33																				
ZZZZZZ			01:35																				
ZZZZZZ			01:38																				
ZZZZZZ			01:40																				
ZZZZZZ			01:43																				
ZZZZZZ			01:45																				
CCVH 280-117859/54	1		01:47	X	X	X	X	X	X	X	X	X	X	X									
CCV 280-117859/55	1		01:50	X	X	X	X	X	X	X	X	X	X	X									
CCB 280-117859/56	1		01:52	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			01:54																				
MB 280-117184/1-A	1	R	01:57	X	X	X	X	X	X	X	X	X	X	X									
LCS 280-117184/2-A	1	R	01:59	X	X	X	X	X	X	X	X	X	X	X									
LCSD 280-117184/3-A	1	R	02:01	X	X	X	X	X	X	X	X	X	X	X									
280-28076-1	1	D	02:04	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			02:06																				
ZZZZZZ			02:08																				
CCVH 280-117859/64	1		02:11	X	X	X	X	X	X	X	X	X	X	X									
CCV 280-117859/65	1		02:13	X	X	X	X	X	X	X	X	X	X	X									
CCB 280-117859/66	1		02:15	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			02:18																				
CCVH 280-117859/68			07:03																				
CCV 280-117859/69			07:05																				
CCB 280-117859/70			07:07																				
ZZZZZZ			07:10																				
ZZZZZZ			07:12																				
ZZZZZZ			07:15																				
ZZZZZZ			07:17																				
ZZZZZZ			07:19																				
ZZZZZZ			07:22																				
ZZZZZZ			07:24																				
CCVH 280-117859/78			07:26																				
CCV 280-117859/79			07:29																				
CCB 280-117859/80			07:31																				
ZZZZZZ			07:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/01/2012 12:58 End Date: 05/02/2012 07:33

Prep Types
D = Dissolved
R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/03/2012 10:27 End Date: 05/03/2012 21:37

Lab Sample ID	D/F	Type	Time	Analytes								
				Al	B	Fe	K	Li	Mg	Na	Sr	Ti
ICIS 280-118273/1	1		10:27	X	X	X	X	X	X	X	X	X
IC 280-118273/2			10:30	X	X	X	X	X	X	X	X	X
IC 280-118273/3			10:32	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:34									
ZZZZZZ			10:36									
ICVH 280-118273/6	1		10:39	X	X	X	X	X	X	X	X	X
ICV 280-118273/7	1		10:42	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:46									
CCVH 280-118273/9			10:48									
CCV 280-118273/10			10:50									
ICB 280-118273/11	1		10:53	X	X	X	X	X	X	X	X	X
CRI 280-118273/12	1		10:55	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:01									
CRI 280-118273/14			11:04									
ICSA 280-118273/15	1		11:10	X	X	X	X	X	X	X	X	X
ICSAB 280-118273/16	1		11:12	X	X	X	X	X	X	X	X	X
LRA 280-118273/17			11:15									
CCVH 280-118273/18			11:17									
CCV 280-118273/19			11:20									
CCB 280-118273/20			11:22									
ZZZZZZ			11:24									
CCVH 280-118273/22	1		20:01	X	X	X	X	X	X	X	X	X
CCV 280-118273/23	1		20:03	X	X	X	X	X	X	X	X	X
CCB 280-118273/24	1		20:05	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:08									
ZZZZZZ			20:10									
ZZZZZZ			20:13									
280-28131-BB-4-B SD ^5	5	D	20:15	X	X	X	X	X	X	X	X	X
280-28131-BB-4-C MS	1	D	20:17	X	X	X	X	X	X	X	X	X
280-28131-BB-4-D MSD	1	D	20:20	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:22									
ZZZZZZ			20:24									
CCVH 280-118273/33	1		20:27	X	X	X	X	X	X	X	X	X
CCV 280-118273/34	1		20:29	X	X	X	X	X	X	X	X	X
CCB 280-118273/35	1		20:31	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:34									
ZZZZZZ			20:36									
ZZZZZZ			20:39									
ZZZZZZ			20:41									
ZZZZZZ			20:43									
ZZZZZZ			20:45									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/03/2012 10:27 End Date: 05/03/2012 21:37

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B	Fe	K	Li	Mg	Na	Sr	Ti											
ZZZZZZ			20:48																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:55																				
ZZZZZZ			20:57																				
CCVH 280-118273/47			20:59																				
CCV 280-118273/48			21:02																				
CCB 280-118273/49			21:04																				
ZZZZZZ			21:06																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:14																				
ZZZZZZ			21:16																				
ZZZZZZ			21:18																				
ZZZZZZ			21:21																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:28																				
CCVH 280-118273/60			21:30																				
CCV 280-118273/61			21:33																				
CCB 280-118273/62			21:35																				
ZZZZZZ			21:37																				

Prep Types
D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/04/2012 11:51 End Date: 05/04/2012 16:17

Lab Sample ID	D/F	Type	Time	Analytes																					
				Ca	Si																				
ICIS 280-118675/1			11:51	X	X																				
IC 280-118675/2			11:53	X	X																				
IC 280-118675/3			11:56	X	X																				
ZZZZZZ			11:58																						
ZZZZZZ			12:00																						
ICVH 280-118675/6	1		12:03	X	X																				
ICV 280-118675/7	1		12:06	X	X																				
ZZZZZZ			12:08																						
CCVH 280-118675/9			12:14																						
CCV 280-118675/10			12:16																						
ICB 280-118675/11	1		12:18	X	X																				
CRI 280-118675/12	1		12:21	X	X																				
ZZZZZZ			12:25																						
ICSAB 280-118675/14	1		12:27	X	X																				
ICSA 280-118675/15	1		12:34	X	X																				
LRA 280-118675/16			12:38																						
CCVH 280-118675/17	1		12:41	X	X																				
CCV 280-118675/18	1		12:44	X	X																				
CCB 280-118675/19	1		12:46	X	X																				
ZZZZZZ			12:48																						
ZZZZZZ			12:51																						
280-28131-BB-4-B SD ^5	5	D	12:53	X	X																				
280-28131-BB-4-C MS	1	D	12:55	X	X																				
280-28131-BB-4-D MSD	1	D	12:58	X	X																				
ZZZZZZ			13:00																						
ZZZZZZ			13:02																						
ZZZZZZ			13:05																						
CCVH 280-118675/28	1		13:07	X	X																				
CCV 280-118675/29	1		13:10	X	X																				
CCB 280-118675/30	1		13:12	X	X																				
ZZZZZZ			13:14																						
ZZZZZZ			13:17																						
ZZZZZZ			13:19																						
ZZZZZZ			13:21																						
ZZZZZZ			13:24																						
ZZZZZZ			13:26																						
ZZZZZZ			13:29																						
CCVH 280-118675/38			13:32																						
CCV 280-118675/39			13:34																						
CCB 280-118675/40			13:36																						
ZZZZZZ			13:39																						

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/04/2012 11:51 End Date: 05/04/2012 16:17

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ca	Si																			
ZZZZZZ			13:41																					
ZZZZZZ			13:44																					
ZZZZZZ			13:46																					
ZZZZZZ			13:48																					
ZZZZZZ			13:50																					
ZZZZZZ			13:53																					
ZZZZZZ			13:55																					
ZZZZZZ			13:58																					
ZZZZZZ			14:00																					
CCVH 280-118675/51			14:02																					
CCV 280-118675/52			14:05																					
CCB 280-118675/53			14:07																					
ZZZZZZ			14:09																					
ZZZZZZ			14:12																					
ZZZZZZ			14:14																					
ZZZZZZ			14:16																					
ZZZZZZ			14:19																					
ZZZZZZ			14:21																					
ZZZZZZ			14:24																					
ZZZZZZ			14:26																					
CCVH 280-118675/62			14:28																					
CCV 280-118675/63			14:31																					
CCB 280-118675/64			14:33																					
ZZZZZZ			14:35																					
ZZZZZZ			14:38																					
ZZZZZZ			14:40																					
ZZZZZZ			14:42																					
ZZZZZZ			14:45																					
ZZZZZZ			14:47																					
ZZZZZZ			14:49																					
ZZZZZZ			14:52																					
CCVH 280-118675/73			14:54																					
CCV 280-118675/74			14:56																					
CCB 280-118675/75			14:58																					
ZZZZZZ			15:01																					
ZZZZZZ			15:03																					
ZZZZZZ			15:06																					
ZZZZZZ			15:09																					
ZZZZZZ			15:11																					
ZZZZZZ			15:14																					
ZZZZZZ			15:17																					
ZZZZZZ			15:19																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 05/04/2012 11:51 End Date: 05/04/2012 16:17

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ca	Si																			
CCVH 280-118675/84			15:22																					
CCV 280-118675/85			15:24																					
CCB 280-118675/86			15:26																					
ZZZZZZ			15:29																					
ZZZZZZ			15:31																					
ZZZZZZ			15:33																					
ZZZZZZ			15:36																					
ZZZZZZ			15:38																					
ZZZZZZ			15:40																					
ZZZZZZ			15:43																					
ZZZZZZ			15:45																					
CCVH 280-118675/95			15:47																					
CCV 280-118675/96			15:49																					
CCB 280-118675/97			15:52																					
ZZZZZZ			15:54																					
ZZZZZZ			15:56																					
ZZZZZZ			15:59																					
ZZZZZZ			16:01																					
ZZZZZZ			16:03																					
ZZZZZZ			16:06																					
ZZZZZZ			16:08																					
CCVH 280-118675/105			16:10																					
CCV 280-118675/106			16:13																					
CCB 280-118675/107			16:15																					
ZZZZZZ			16:17																					

Prep Types
D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/07/2012 10:41 End Date: 05/08/2012 10:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				B	Ca	K	Li	Mg	Na	P	SiO2	Sr	Ti											
ICIS 280-118834/1	1		10:41	X	X	X	X	X	X	X	X	X	X											
IC 280-118834/2			10:43	X	X	X	X	X	X	X	X	X	X											
IC 280-118834/3			10:46	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ			10:48																					
ZZZZZZ			10:51																					
ICVH 280-118834/6	1		10:53	X	X	X	X	X	X	X	X	X	X											
ICV 280-118834/7	1		10:57	X	X	X	X	X	X	X	X	X	X											
ICVL 280-118834/8			11:00																					
CCVH 280-118834/9			11:02																					
CCV 280-118834/10			11:05																					
ICB 280-118834/11	1		11:07	X	X	X	X	X	X	X	X	X	X											
CRI 280-118834/12	1		11:10	X	X	X	X	X	X	X	X	X	X											
ICSA 280-118834/13	1		11:13	X	X	X	X	X	X	X		X	X											
ICSAB 280-118834/14	1		11:17	X	X	X	X	X	X	X		X	X											
LRA 280-118834/15			11:20																					
CCVH 280-118834/16			11:22																					
CCV 280-118834/17			11:25																					
CCB 280-118834/18			11:27																					
ZZZZZZ			11:30																					
CCVH 280-118834/20			03:24																					
CCV 280-118834/21			03:27																					
CCB 280-118834/22			03:29																					
CCVL 280-118834/23			03:32																					
ZZZZZZ			03:34																					
ZZZZZZ			03:37																					
ZZZZZZ			03:39																					
ZZZZZZ			03:42																					
ZZZZZZ			03:45																					
ZZZZZZ			03:47																					
ZZZZZZ			03:50																					
ZZZZZZ			03:52																					
CCVH 280-118834/32			03:55																					
CCV 280-118834/33			03:58																					
CCB 280-118834/34			04:00																					
CCVL 280-118834/35			04:03																					
ZZZZZZ			04:05																					
ZZZZZZ			04:08																					
ZZZZZZ			04:11																					
ZZZZZZ			04:13																					
ZZZZZZ			04:16																					
ZZZZZZ			04:18																					
ZZZZZZ			04:21																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/07/2012 10:41 End Date: 05/08/2012 10:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				B	Ca	K	Li	Mg	Na	P	SiO2	Sr	Ti											
ZZZZZZ			04:24																					
ZZZZZZ			04:28																					
ZZZZZZ			04:30																					
CCVH 280-118834/46			04:34																					
CCV 280-118834/47			04:37																					
CCB 280-118834/48			04:39																					
ZZZZZZ			04:42																					
ZZZZZZ			04:45																					
ZZZZZZ			04:48																					
ZZZZZZ			04:50																					
ZZZZZZ			04:54																					
ZZZZZZ			04:57																					
ZZZZZZ			05:01																					
ZZZZZZ			05:05																					
ZZZZZZ			05:09																					
CCVH 280-118834/58			05:12																					
CCV 280-118834/59			05:14																					
CCB 280-118834/60			05:17																					
ZZZZZZ			05:20																					
ZZZZZZ			05:22																					
ZZZZZZ			05:25																					
ZZZZZZ			05:27																					
ZZZZZZ			05:30																					
ZZZZZZ			05:33																					
ZZZZZZ			05:35																					
ZZZZZZ			05:38																					
ZZZZZZ			05:40																					
CCVH 280-118834/70			05:43																					
CCV 280-118834/71			05:46																					
CCB 280-118834/72			05:48																					
ZZZZZZ			05:51																					
ZZZZZZ			05:54																					
ZZZZZZ			05:57																					
ZZZZZZ			06:00																					
ZZZZZZ			06:02																					
ZZZZZZ			06:05																					
ZZZZZZ			06:08																					
ZZZZZZ			06:11																					
CCVH 280-118834/81			06:15																					
CCV 280-118834/82			06:17																					
CCB 280-118834/83			06:20																					
ZZZZZZ			06:23																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/07/2012 10:41 End Date: 05/08/2012 10:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				B	Ca	K	Li	Mg	Na	P	SiO2	Sr	Ti											
ZZZZZZ			06:25																					
ZZZZZZ			06:30																					
ZZZZZZ			06:32																					
ZZZZZZ			06:37																					
ZZZZZZ			06:39																					
ZZZZZZ			06:44																					
ZZZZZZ			06:46																					
CCVH 280-118834/92			06:50																					
CCV 280-118834/93			06:53																					
CCB 280-118834/94			06:56																					
ZZZZZZ			06:58																					
ZZZZZZ			07:01																					
ZZZZZZ			07:04																					
ZZZZZZ			07:06																					
ZZZZZZ			07:09																					
ZZZZZZ			07:12																					
ZZZZZZ			07:15																					
ZZZZZZ			07:17																					
ZZZZZZ			07:20																					
ZZZZZZ			07:23																					
ZZZZZZ			07:26																					
CCVH 280-118834/106			07:28																					
CCV 280-118834/107			07:31																					
CCB 280-118834/108			07:34																					
ZZZZZZ			07:36																					
ZZZZZZ			07:39																					
ZZZZZZ			07:42																					
ZZZZZZ			07:44																					
ZZZZZZ			07:47																					
ZZZZZZ			07:50																					
ZZZZZZ			07:53																					
ZZZZZZ			07:56																					
ZZZZZZ			07:58																					
ZZZZZZ			08:01																					
ZZZZZZ			08:04																					
CCVH 280-118834/120			08:06																					
CCV 280-118834/121			08:09																					
CCB 280-118834/122			08:11																					
ZZZZZZ			08:14																					
ZZZZZZ			08:17																					
ZZZZZZ			08:20																					
ZZZZZZ			08:22																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/07/2012 10:41 End Date: 05/08/2012 10:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				B	Ca	K	Li	Mg	Na	P	SiO2	Sr	Ti											
ZZZZZZ			08:25																					
ZZZZZZ			08:28																					
ZZZZZZ			08:31																					
ZZZZZZ			08:34																					
ZZZZZZ			08:36																					
CCVH 280-118834/132	1		08:39	X	X	X	X	X	X	X	X	X	X											
CCV 280-118834/133	1		08:42	X	X	X	X	X	X	X	X	X	X											
CCB 280-118834/134	1		08:44	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ			08:47																					
MB 280-118701/1-A	1	T	08:50	X	X	X	X	X	X	X	X	X	X											
LCS 280-118701/2-A	1	T	08:53	X	X	X	X	X	X	X	X	X	X											
LCSD 280-118701/3-A	1	T	08:56	X	X	X	X	X	X	X	X	X	X											
280-28076-1	1	T	08:58	X	X	X	X	X	X	X	X	X	X											
280-28076-1 SD	5	T	09:01	X	X	X	X	X	X	X	X	X	X											
280-28076-1 MS	1	T	09:04	X	X	X	X	X	X	X	X	X	X											
280-28076-1 MSD	1	T	09:07	X	X	X	X	X	X	X	X	X	X											
CCVH 280-118834/143	1		09:09	X	X	X	X	X	X	X	X	X	X											
CCV 280-118834/144	1		09:12	X	X	X	X	X	X	X	X	X	X											
CCB 280-118834/145	1		09:15	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ			09:18																					
ZZZZZZ			09:21																					
ZZZZZZ			09:23																					
ZZZZZZ			09:26																					
ZZZZZZ			09:29																					
ZZZZZZ			09:31																					
ZZZZZZ			09:34																					
ZZZZZZ			09:37																					
ZZZZZZ			09:40																					
ZZZZZZ			09:43																					
ZZZZZZ			09:45																					
CCVH 280-118834/157			09:48																					
CCV 280-118834/158			09:51																					
CCB 280-118834/159			09:53																					
ZZZZZZ			09:56																					
ZZZZZZ			09:59																					
ZZZZZZ			10:03																					
ZZZZZZ			10:06																					
ZZZZZZ			10:10																					
ZZZZZZ			10:12																					
ZZZZZZ			10:15																					
ZZZZZZ			10:18																					
ZZZZZZ			10:20																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/07/2012 10:41 End Date: 05/08/2012 10:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				B	Ca	K	Li	Mg	Na	P	SiO2	Sr	Ti											
ZZZZZZ			10:23																					
CCVH 280-118834/170			10:25																					
CCV 280-118834/171			10:28																					
CCB 280-118834/172			10:30																					
ZZZZZZ			10:33																					

Prep Types
T = Total / NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/08/2012 14:05 End Date: 05/08/2012 19:29

Lab Sample ID	D/F	Type	Time	Analytes																					
				Al	Fe																				
ICIS 280-118969/1	1		14:05	X	X																				
IC 280-118969/2			14:08	X	X																				
IC 280-118969/3			14:10	X	X																				
ZZZZZZ			14:13																						
ZZZZZZ			14:15																						
ICVH 280-118969/6	1		14:18	X	X																				
ICV 280-118969/7	1		14:22	X	X																				
ICVL 280-118969/8			14:25																						
CCVH 280-118969/9			14:27																						
CCV 280-118969/10			14:30																						
ICB 280-118969/11	1		14:32	X	X																				
CRI 280-118969/12	1		14:35	X																					
CRI 280-118969/13	1		14:44		X																				
ICSA 280-118969/14	1		14:57	X	X																				
ICSAB 280-118969/15	1		15:00	X	X																				
LRA 280-118969/16			15:04																						
CCVH 280-118969/17			15:06																						
CCV 280-118969/18			15:09																						
CCB 280-118969/19			15:11																						
ZZZZZZ			15:13																						
ZZZZZZ			15:16																						
ZZZZZZ			15:19																						
ZZZZZZ			15:21																						
ZZZZZZ			15:23																						
ZZZZZZ			15:26																						
ZZZZZZ			15:28																						
ZZZZZZ			15:31																						
ZZZZZZ			15:33																						
ZZZZZZ			15:36																						
ZZZZZZ			15:39																						
CCVH 280-118969/31			15:41																						
CCV 280-118969/32			15:44																						
CCB 280-118969/33			15:46																						
CCVL 280-118969/34			15:49																						
ZZZZZZ			15:51																						
ZZZZZZ			15:54																						
ZZZZZZ			15:56																						
ZZZZZZ			15:58																						
ZZZZZZ			16:01																						
ZZZZZZ			16:03																						
ZZZZZZ			16:06																						
ZZZZZZ			16:08																						

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/08/2012 14:05 End Date: 05/08/2012 19:29

Lab Sample ID	D/F	Type	Time	Analytes																				
				Al	Fe																			
CCVH 280-118969/43			16:11																					
CCV 280-118969/44			16:13																					
CCB 280-118969/45			16:15																					
CCVL 280-118969/46			16:18																					
ZZZZZZ			16:21																					
ZZZZZZ			16:23																					
ZZZZZZ			16:25																					
ZZZZZZ			16:28																					
ZZZZZZ			16:30																					
ZZZZZZ			16:32																					
ZZZZZZ			16:35																					
ZZZZZZ			16:37																					
ZZZZZZ			16:40																					
ZZZZZZ			16:42																					
CCVH 280-118969/57	1		16:45	X	X																			
CCV 280-118969/58	1		16:47	X	X																			
CCB 280-118969/59	1		16:50	X	X																			
ZZZZZZ			16:52																					
MB 280-118701/1-A	1	T	16:55	X	X																			
LCS 280-118701/2-A	1	T	16:57	X	X																			
LCSD 280-118701/3-A	1	T	17:00	X	X																			
280-28076-1	1	T	17:02	X	X																			
280-28076-1 SD	5	T	17:05	X	X																			
280-28076-1 MS	1	T	17:07	X	X																			
280-28076-1 MSD	1	T	17:09	X	X																			
CCVH 280-118969/68	1		17:12	X	X																			
CCV 280-118969/69	1		17:14	X	X																			
CCB 280-118969/70	1		17:17	X	X																			
ZZZZZZ			17:19																					
ZZZZZZ			17:22																					
ZZZZZZ			17:24																					
ZZZZZZ			17:27																					
ZZZZZZ			17:29																					
ZZZZZZ			17:32																					
ZZZZZZ			17:34																					
ZZZZZZ			17:37																					
ZZZZZZ			17:39																					
ZZZZZZ			17:42																					
ZZZZZZ			17:44																					
CCVH 280-118969/82			17:47																					
CCV 280-118969/83			17:49																					
CCB 280-118969/84			17:52																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 05/08/2012 14:05 End Date: 05/08/2012 19:29

Lab Sample ID	D/F	Type	Time	Analytes																				
				Al	Fe																			
ZZZZZZ			17:54																					
ZZZZZZ			17:57																					
ZZZZZZ			17:59																					
ZZZZZZ			18:02																					
ZZZZZZ			18:04																					
ZZZZZZ			18:07																					
ZZZZZZ			18:09																					
ZZZZZZ			18:11																					
ZZZZZZ			18:15																					
CCVH 280-118969/94			18:18																					
CCV 280-118969/95			18:20																					
CCB 280-118969/96			18:23																					
ZZZZZZ			18:25																					
ZZZZZZ			18:28																					
ZZZZZZ			18:30																					
ZZZZZZ			18:33																					
ZZZZZZ			18:35																					
ZZZZZZ			18:37																					
ZZZZZZ			18:40																					
ZZZZZZ			18:42																					
ZZZZZZ			18:45																					
ZZZZZZ			18:48																					
CCVH 280-118969/107			18:50																					
CCV 280-118969/108			18:53																					
CCB 280-118969/109			18:55																					
ZZZZZZ			18:58																					
ZZZZZZ			19:00																					
ZZZZZZ			19:03																					
ZZZZZZ			19:05																					
ZZZZZZ			19:08																					
ZZZZZZ			19:10																					
ZZZZZZ			19:13																					
ZZZZZZ			19:16																					
ZZZZZZ			19:18																					
CCVH 280-118969/119			19:21																					
CCV 280-118969/120			19:24																					
CCB 280-118969/121			19:26																					
ZZZZZZ			19:29																					

Prep Types
T = Total / NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/01/2012 13:43 End Date: 05/01/2012 23:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
RINSE 280-117880/1			13:43																				
ICIS 280-117880/2			13:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
IC 280-117880/3	1		13:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICV 280-117880/4	1		13:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICB 280-117880/5	1		13:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICVL 280-117880/6			13:58																				
CRI 280-117880/7	1		14:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			14:04																				
ZZZZZZ			14:07																				
CRI 280-117880/10	1		14:11																		X		
ICSA 280-117880/11	1		14:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSAB 280-117880/12	1		14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			14:21																				
LRA 280-117880/14			14:24																				
RINSE 280-117880/15			14:27																				
CCV 280-117880/16	1		14:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 280-117880/17	1		14:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCVL 280-117880/18			14:36																				
MB 280-117185/1-A	1	R	14:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
LCS 280-117185/2-A	1	R	14:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
LCSD 280-117185/3-A	1	R	14:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28076-1	1	D	14:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			14:51																				
ZZZZZZ			14:54																				
CCV 280-117880/25	1		14:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 280-117880/26	1		14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			15:02																				
280-28131-BB-4-A SD ^5	5	D	15:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-117880/29	1		15:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 280-117880/30	1		15:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28131-BB-4-E MS	1	D	15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28131-BB-4-F MSD	1	D	15:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28131-BB-4-A PDS	1	D	15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			15:24																				
ZZZZZZ			15:27																				
280-28076-1	1	D	15:30																		X		
CCV 280-117880/37	1		15:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 280-117880/38	1		15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			15:39																				
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/01/2012 13:43 End Date: 05/01/2012 23:20

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:54																				
ZZZZZZ			15:57																				
CCV 280-117880/46			16:00																				
CCB 280-117880/47			16:03																				
ZZZZZZ			16:06																				
ZZZZZZ			16:09																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:21																				
ZZZZZZ			16:24																				
CCV 280-117880/55			16:27																				
CCB 280-117880/56			16:30																				
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
ZZZZZZ			16:39																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
CCV 280-117880/64			16:54																				
CCB 280-117880/65			16:57																				
ZZZZZZ			17:00																				
ZZZZZZ			17:03																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
CCV 280-117880/70			17:12																				
CCB 280-117880/71			17:14																				
ZZZZZZ			17:17																				
ZZZZZZ			17:20																				
ZZZZZZ			17:23																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:32																				
ZZZZZZ			17:35																				
CCV 280-117880/79			17:38																				
CCB 280-117880/80			17:41																				
ZZZZZZ			17:44																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/01/2012 13:43 End Date: 05/01/2012 23:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
ZZZZZZ			17:53																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				
CCV 280-117880/90			18:12																				
CCB 280-117880/91			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				
ZZZZZZ			18:24																				
ZZZZZZ			18:27																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:36																				
RINSE 280-117880/99			18:41																				
RINSE 280-117880/100			18:44																				
RINSE 280-117880/101			18:47																				
RINSE 280-117880/102			18:50																				
ICIS 280-117880/103			18:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
IC 280-117880/104			18:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-117880/105			18:59																				
CCB 280-117880/106			19:02																				
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:11																				
CCV 280-117880/110			19:14																				
CCB 280-117880/111			19:16																				
ZZZZZZ			19:19																				
ZZZZZZ			19:22																				
ZZZZZZ			19:25																				
ZZZZZZ			19:28																				
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
CCV 280-117880/118			19:37																				
CCB 280-117880/119			19:40																				
ZZZZZZ			19:43																				
ZZZZZZ			19:46																				
ZZZZZZ			19:49																				
ZZZZZZ			19:52																				
CCV 280-117880/124			19:55																				
CCB 280-117880/125			19:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/01/2012 13:43 End Date: 05/01/2012 23:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
RINSE 280-117880/126			20:01																				
RINSE 280-117880/127			20:04																				
RINSE 280-117880/128			20:07																				
RINSE 280-117880/129			20:10																				
RINSE 280-117880/130			20:13																				
ICIS 280-117880/131			20:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
IC 280-117880/132			20:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-117880/133			20:22																				
CCB 280-117880/134			20:25																				
ZZZZZZ			20:28																				
ZZZZZZ			20:31																				
ZZZZZZ			20:34																				
ZZZZZZ			20:37																				
ZZZZZZ			20:40																				
ZZZZZZ			20:43																				
ZZZZZZ			20:46																				
CCV 280-117880/142			20:49																				
CCB 280-117880/143			20:52																				
RINSE 280-117880/144			20:55																				
RINSE 280-117880/145			20:58																				
RINSE 280-117880/146			21:01																				
RINSE 280-117880/147			21:04																				
ICIS 280-117880/148			21:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
IC 280-117880/149			21:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-117880/150			21:13																				
CCB 280-117880/151			21:16																				
ZZZZZZ			21:19																				
ZZZZZZ			21:22																				
ZZZZZZ			21:25																				
ZZZZZZ			21:28																				
ZZZZZZ			21:30																				
ZZZZZZ			21:33																				
ZZZZZZ			21:36																				
ZZZZZZ			21:39																				
ZZZZZZ			21:42																				
ZZZZZZ			21:45																				
CCV 280-117880/162			21:48																				
CCB 280-117880/163			21:51																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
ZZZZZZ			22:00																				
ZZZZZZ			22:03																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/01/2012 13:43 End Date: 05/01/2012 23:20

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
ZZZZZZ			22:06																				
ZZZZZZ			22:09																				
CCV 280-117880/170			22:12																				
CCB 280-117880/171			22:15																				
ZZZZZZ			22:18																				
CCV 280-117880/173			22:21																				
CCB 280-117880/174			22:24																				
CCV 280-117880/175			22:29																				
CCB 280-117880/176			22:32																				
ZZZZZZ			22:35																				
ZZZZZZ			22:38																				
ZZZZZZ			22:41																				
ZZZZZZ			22:44																				
ZZZZZZ			22:47																				
ZZZZZZ			22:50																				
ZZZZZZ			22:53																				
ZZZZZZ			22:56																				
ZZZZZZ			22:59																				
ZZZZZZ			23:02																				
CCV 280-117880/187			23:05																				
CCB 280-117880/188			23:08																				
ZZZZZZ			23:11																				
ZZZZZZ			23:14																				
ZZZZZZ			23:17																				
ZZZZZZ			23:20																				

Prep Types

D = Dissolved

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
RINSE 280-118058/1			11:36																				
ICIS 280-118058/2			11:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
IC 280-118058/3			11:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICV 280-118058/4	1		11:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICB 280-118058/5	1		11:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICVL 280-118058/6			11:50																				
CRI 280-118058/7	1		11:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			11:57																				
ICSA 280-118058/9	1		11:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSAB 280-118058/10	1		12:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			12:05																				
LRA 280-118058/12			12:08																				
RINSE 280-118058/13			12:11																				
CCV 280-118058/14			12:14																				
CCB 280-118058/15			12:17																				
CCVL 280-118058/16			12:20																				
ZZZZZZ			12:23																				
ZZZZZZ			12:26																				
ZZZZZZ			12:29																				
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:38																				
ZZZZZZ			12:41																				
CCV 280-118058/24			12:44																				
CCB 280-118058/25			12:47																				
CCV 280-118058/26			12:50																				
CCV 280-118058/27			12:53																				
CCB 280-118058/28			12:56																				
ZZZZZZ			12:59																				
RINSE 280-118058/30			13:02																				
RINSE 280-118058/31			13:05																				
CCV 280-118058/32			13:08																				
CCB 280-118058/33			13:11																				
ZZZZZZ			13:14																				
ZZZZZZ			13:17																				
ZZZZZZ			13:20																				
CCV 280-118058/37			13:23																				
CCB 280-118058/38			13:26																				
ZZZZZZ			13:29																				
ZZZZZZ			13:32																				
ZZZZZZ			13:35																				
ZZZZZZ			13:38																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
ZZZZZZ			13:42																				
CCV 280-118058/44			13:45																				
CCB 280-118058/45			13:48																				
CCV 280-118058/46			13:51																				
CCV 280-118058/47			13:54																				
CCB 280-118058/48			13:57																				
RINSE 280-118058/49			14:00																				
RINSE 280-118058/50			14:03																				
RINSE 280-118058/51			14:06																				
RINSE 280-118058/52			14:09																				
RINSE 280-118058/53			14:12																				
ICIS 280-118058/54			14:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 280-118058/55			14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 280-118058/56			14:21																				
CCB 280-118058/57			14:24																				
ZZZZZZ			14:28																				
ZZZZZZ			14:31																				
ZZZZZZ			14:34																				
ZZZZZZ			14:37																				
CCV 280-118058/62			14:40																				
CCB 280-118058/63			14:43																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:52																				
ZZZZZZ			14:55																				
CCV 280-118058/68			14:58																				
CCB 280-118058/69			15:01																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
ZZZZZZ			15:13																				
CCV 280-118058/74			15:17																				
CCV 280-118058/75			15:20																				
CCV 280-118058/76			15:23																				
CCB 280-118058/77			15:26																				
RINSE 280-118058/78			15:29																				
RINSE 280-118058/79			15:32																				
RINSE 280-118058/80			15:35																				
RINSE 280-118058/81			15:38																				
ICIS 280-118058/82			15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 280-118058/83			15:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 280-118058/84			15:47																				

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ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
CCB 280-118058/85			15:50																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
CCV 280-118058/91			16:08																				
CCB 280-118058/92			16:11																				
RINSE 280-118058/93			16:14																				
RINSE 280-118058/94			16:17																				
RINSE 280-118058/95			16:20																				
RINSE 280-118058/96			16:23																				
ICIS 280-118058/97			16:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 280-118058/98			16:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 280-118058/99			16:32																				
CCB 280-118058/100			16:35																				
ZZZZZZ			16:38																				
ZZZZZZ			16:41																				
ZZZZZZ			16:44																				
ZZZZZZ			16:47																				
CCV 280-118058/105			16:50																				
CCB 280-118058/106			16:53																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:02																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:11																				
CCV 280-118058/113			17:14																				
CCB 280-118058/114			17:17																				
RINSE 280-118058/115			17:20																				
RINSE 280-118058/116			17:23																				
RINSE 280-118058/117			17:26																				
RINSE 280-118058/118			17:29																				
RINSE 280-118058/119			17:32																				
ICIS 280-118058/120			17:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 280-118058/121	1		17:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 280-118058/122	1		17:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 280-118058/123	1		17:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 280-117181/1-A	1	T	17:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 280-117181/2-A	1	T	17:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSD 280-117181/3-A	1	T	17:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:02																				
280-28131-S-4-B SD ^5	5	T	18:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-118058/131	1		18:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 280-118058/132	1		18:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28131-S-4-C MS	1	T	18:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28131-S-4-D MSD	1	T	18:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
280-28131-S-4-B PDS	1	T	18:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
280-28076-1	1	T	18:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-118058/139	1		18:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 280-118058/140	1		18:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			18:38																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
ZZZZZZ			18:46																				
ZZZZZZ			18:49																				
CCV 280-118058/146			18:52																				
CCB 280-118058/147			18:55																				
ZZZZZZ			18:58																				
ZZZZZZ			19:01																				
ZZZZZZ			19:04																				
ZZZZZZ			19:07																				
ZZZZZZ			19:10																				
CCV 280-118058/153			19:13																				
CCB 280-118058/154			19:16																				
ZZZZZZ			19:19																				
ZZZZZZ			19:22																				
ZZZZZZ			19:25																				
ZZZZZZ			19:28																				
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
CCV 280-118058/161			19:37																				
CCB 280-118058/162			19:40																				
ZZZZZZ			19:43																				
ZZZZZZ			19:46																				
ZZZZZZ			19:49																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
CCV 280-118058/168			19:58																				

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ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
CCB 280-118058/169			20:01																				
ZZZZZZ			20:04																				
ZZZZZZ			20:07																				
ZZZZZZ			20:10																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
ZZZZZZ			20:19																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
CCV 280-118058/178			20:28																				
CCB 280-118058/179			20:31																				
ZZZZZZ			20:34																				
ZZZZZZ			20:37																				
ZZZZZZ			20:40																				
ZZZZZZ			20:43																				
ZZZZZZ			20:46																				
ZZZZZZ			20:49																				
ZZZZZZ			20:52																				
ZZZZZZ			20:55																				
CCV 280-118058/188			20:58																				
CCB 280-118058/189			21:00																				
ZZZZZZ			21:03																				
ZZZZZZ			21:06																				
ZZZZZZ			21:09																				
ZZZZZZ			21:12																				
ZZZZZZ			21:15																				
ZZZZZZ			21:18																				
ZZZZZZ			21:22																				
ZZZZZZ			21:24																				
CCV 280-118058/198			21:27																				
CCB 280-118058/199			21:30																				
ZZZZZZ			21:33																				
ZZZZZZ			21:36																				
ZZZZZZ			21:39																				
ZZZZZZ			21:42																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
CCV 280-118058/209			22:00																				
CCB 280-118058/210			22:03																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
ZZZZZZ			22:06																				
ZZZZZZ			22:09																				
ZZZZZZ			22:12																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:27																				
CCV 280-118058/219			22:30																				
CCB 280-118058/220			22:33																				
RINSE 280-118058/221			22:36																				
RINSE 280-118058/222			22:39																				
RINSE 280-118058/223			22:42																				
RINSE 280-118058/224			22:45																				
RINSE 280-118058/225			22:48																				
ICIS 280-118058/226			22:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
IC 280-118058/227			22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 280-118058/228			22:57																				
CCB 280-118058/229			23:00																				
ZZZZZZ			23:03																				
ZZZZZZ			23:06																				
ZZZZZZ			23:09																				
CCV 280-118058/233			23:12																				
CCB 280-118058/234			23:15																				
ZZZZZZ			23:18																				
ZZZZZZ			23:21																				
ZZZZZZ			23:24																				
ZZZZZZ			23:27																				
ZZZZZZ			23:30																				
CCV 280-118058/240			23:33																				
CCB 280-118058/241			23:36																				
ZZZZZZ			23:39																				
ZZZZZZ			23:42																				
ZZZZZZ			23:45																				
ZZZZZZ			23:48																				
CCV 280-118058/246			23:51																				
CCB 280-118058/247			23:54																				
ZZZZZZ			23:57																				
ZZZZZZ			00:00																				
ZZZZZZ			00:03																				
ZZZZZZ			00:06																				
ZZZZZZ			00:09																				

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ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_077 Method: 6020

Start Date: 05/02/2012 11:36 End Date: 05/03/2012 01:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	U	V	Zn		
CCV 280-118058/253			00:12																				
CCB 280-118058/254			00:15																				
ZZZZZZ			00:18																				
ZZZZZZ			00:21																				
ZZZZZZ			00:24																				
ZZZZZZ			00:27																				
CCV 280-118058/259			00:30																				
CCB 280-118058/260			00:33																				
RINSE 280-118058/261			00:36																				
RINSE 280-118058/262			00:39																				
RINSE 280-118058/263			00:42																				
RINSE 280-118058/264			00:45																				
RINSE 280-118058/265			00:48																				
ICIS 280-118058/266			00:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 280-118058/267			00:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 280-118058/268			00:57																				
CCB 280-118058/269			01:00																				
ZZZZZZ			01:03																				
ZZZZZZ			01:06																				
CCV 280-118058/272			01:09																				
CCB 280-118058/273			01:12																				
ZZZZZZ			01:15																				
CCV 280-118058/275			01:18																				
CCB 280-118058/276			01:21																				
ZZZZZZ			01:24																				
ZZZZZZ			01:27																				
ZZZZZZ			01:30																				
ZZZZZZ			01:33																				
ZZZZZZ			01:36																				
CCV 280-118058/282			01:39																				
CCB 280-118058/283			01:42																				

Prep Types
T = Total / NA

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ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 05/03/2012 15:01 End Date: 05/03/2012 22:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD0 280-118315/1 IC			15:01	X																				
STD1 280-118315/2 IC			15:03	X																				
STD2 280-118315/3 IC			15:05	X																				
STD3 280-118315/4 IC			15:08	X																				
STD4 280-118315/5 IC			15:10	X																				
STD5 280-118315/6 IC			15:12	X																				
STD6 280-118315/7 IC			15:15	X																				
ICV 280-118315/8	1		15:22	X																				
ICB 280-118315/9	1		15:28	X																				
CRA 280-118315/10			15:33																					
CCV 280-118315/11			15:36																					
CCB 280-118315/12			15:38																					
ZZZZZZ			15:40																					
ZZZZZZ			15:46																					
ZZZZZZ			15:48																					
ZZZZZZ			15:51																					
ZZZZZZ			15:53																					
ZZZZZZ			15:55																					
ZZZZZZ			15:58																					
ZZZZZZ			16:00																					
ZZZZZZ			16:02																					
CCV 280-118315/22			16:04																					
CCB 280-118315/23			16:07																					
ZZZZZZ			16:09																					
ZZZZZZ			16:11																					
ZZZZZZ			16:14																					
ZZZZZZ			16:16																					
ZZZZZZ			16:18																					
ZZZZZZ			16:21																					
ZZZZZZ			16:23																					
ZZZZZZ			16:25																					
ZZZZZZ			16:28																					
ZZZZZZ			16:30																					
CCV 280-118315/34			16:32																					
CCB 280-118315/35			16:34																					
ZZZZZZ			16:37																					
ZZZZZZ			16:39																					
ZZZZZZ			16:41																					
ZZZZZZ			16:44																					
ZZZZZZ			16:46																					
ZZZZZZ			16:48																					
ZZZZZZ			16:51																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 05/03/2012 15:01 End Date: 05/03/2012 22:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			16:53																					
ZZZZZZ			16:55																					
CCV 280-118315/45			16:58																					
CCB 280-118315/46			17:00																					
ZZZZZZ			17:02																					
ZZZZZZ			17:04																					
ZZZZZZ			17:07																					
ZZZZZZ			17:09																					
ZZZZZZ			17:11																					
ZZZZZZ			17:14																					
ZZZZZZ			17:16																					
ZZZZZZ			17:18																					
ZZZZZZ			17:21																					
CCV 280-118315/56			17:25																					
CCB 280-118315/57			17:27																					
ZZZZZZ			17:29																					
ZZZZZZ			17:32																					
ZZZZZZ			17:34																					
ZZZZZZ			17:36																					
ZZZZZZ			17:39																					
ZZZZZZ			17:41																					
ZZZZZZ			17:43																					
ZZZZZZ			17:46																					
ZZZZZZ			17:48																					
ZZZZZZ			17:50																					
CCV 280-118315/68	1		17:52	X																				
CCB 280-118315/69	1		17:55	X																				
ZZZZZZ			17:57																					
ZZZZZZ			17:59																					
MB 280-117333/1-A	1	T	18:02	X																				
LCS 280-117333/2-A	1	T	18:04	X																				
LCSD 280-117333/3-A	1	T	18:06	X																				
280-28076-1	1	D	18:09	X																				
ZZZZZZ			18:11																					
ZZZZZZ			18:13																					
ZZZZZZ			18:15																					
CCV 280-118315/79	1		18:18	X																				
CCB 280-118315/80	1		18:20	X																				
280-28131-BA-4-B MS	1	D	18:22	X																				
280-28131-BA-4-C MSD	1	D	18:25	X																				
ZZZZZZ			18:27																					
ZZZZZZ			18:29																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 05/03/2012 15:01 End Date: 05/03/2012 22:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
MB 280-117332/1-A	1	T	18:32	X																				
LCS 280-117332/2-A	1	T	18:34	X																				
280-28076-1	1	T	18:36	X																				
ZZZZZZ			18:39																					
ZZZZZZ			18:41																					
ZZZZZZ			18:43																					
CCV 280-118315/91	1		18:46	X																				
CCB 280-118315/92	1		18:48	X																				
280-28131-BA-4-E MS	1	T	18:50	X																				
280-28131-BA-4-F MSD	1	T	18:52	X																				
ZZZZZZ			18:55																					
ZZZZZZ			18:57																					
ZZZZZZ			18:59																					
ZZZZZZ			19:02																					
ZZZZZZ			19:04																					
ZZZZZZ			19:06																					
ZZZZZZ			19:09																					
ZZZZZZ			19:11																					
CCV 280-118315/103	1		19:13	X																				
CCB 280-118315/104	1		19:16	X																				
ZZZZZZ			19:18																					
ZZZZZZ			19:20																					
ZZZZZZ			19:22																					
ZZZZZZ			19:25																					
ZZZZZZ			19:27																					
ZZZZZZ			19:29																					
ZZZZZZ			19:32																					
ZZZZZZ			19:34																					
ZZZZZZ			19:36																					
ZZZZZZ			19:39																					
CCV 280-118315/115			19:41																					
CCB 280-118315/116			19:43																					
ZZZZZZ			19:46																					
ZZZZZZ			19:48																					
ZZZZZZ			19:50																					
ZZZZZZ			19:53																					
ZZZZZZ			19:55																					
ZZZZZZ			19:57																					
ZZZZZZ			19:59																					
ZZZZZZ			20:02																					
ZZZZZZ			20:04																					
CCV 280-118315/126			20:06																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 05/03/2012 15:01 End Date: 05/03/2012 22:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
CCB 280-118315/127			20:09																					
ZZZZZZ			20:11																					
ZZZZZZ			20:13																					
ZZZZZZ			20:16																					
ZZZZZZ			20:18																					
ZZZZZZ			20:20																					
ZZZZZZ			20:23																					
ZZZZZZ			20:25																					
ZZZZZZ			20:27																					
ZZZZZZ			20:30																					
ZZZZZZ			20:32																					
CCV 280-118315/138	1		20:34	X																				
CCB 280-118315/139	1		20:37	X																				
ZZZZZZ			20:39																					
ZZZZZZ			20:41																					
ZZZZZZ			20:43																					
ZZZZZZ			20:46																					
ZZZZZZ			20:48																					
ZZZZZZ			20:50																					
ZZZZZZ			20:53																					
ZZZZZZ			20:55																					
LCSD 280-117332/11-A	1	T	20:58	X																				
ZZZZZZ			21:00																					
CCV 280-118315/150	1		21:02	X																				
CCB 280-118315/151	1		21:05	X																				
ZZZZZZ			21:07																					
ZZZZZZ			21:09																					
ZZZZZZ			21:12																					
ZZZZZZ			21:14																					
ZZZZZZ			21:16																					
ZZZZZZ			21:19																					
ZZZZZZ			21:21																					
ZZZZZZ			21:23																					
ZZZZZZ			21:26																					
ZZZZZZ			21:28																					
CCV 280-118315/162			21:30																					
CCB 280-118315/163			21:33																					
ZZZZZZ			21:35																					
ZZZZZZ			21:37																					
ZZZZZZ			21:40																					
ZZZZZZ			21:42																					
ZZZZZZ			21:44																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 05/03/2012 15:01 End Date: 05/03/2012 22:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			21:47																					
ZZZZZZ			21:49																					
ZZZZZZ			21:51																					
ZZZZZZ			21:54																					
CCV 280-118315/173			21:56																					
CCB 280-118315/174			21:58																					
ZZZZZZ			22:00																					
ZZZZZZ			22:03																					
ZZZZZZ			22:05																					
ZZZZZZ			22:07																					
ZZZZZZ			22:10																					
ZZZZZZ			22:12																					
ZZZZZZ			22:14																					
ZZZZZZ			22:17																					
ZZZZZZ			22:19																					
ZZZZZZ			22:21																					
CCV 280-118315/185			22:24																					
CCB 280-118315/186			22:26																					
ZZZZZZ			22:29																					
CCV 280-118315/188			22:31																					
CCB 280-118315/189			22:33																					

Prep Types
D = Dissolved
T = Total / NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICP-MS Instrument ID: MT_077 Start Date: 05/01/2012 End Date: 05/01/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge/1	Q	Element Ge/2	Q	Element In	Q
IC 280-117880/3	13:49	98		98		96		98		98	
ICV 280-117880/4	13:52	99		100		98		100		100	
ICB 280-117880/5	13:55	99		99		99		100		100	
CRI 280-117880/7	14:01	99		101		99		101		101	
ICSA 280-117880/11	14:15	95		102		85		97		98	
ICSAB 280-117880/12	14:18	101		104		91		99		98	
CCV 280-117880/16	14:30	97		97		95		96		98	
CCB 280-117880/17	14:33	100		98		98		98		98	
MB 280-117185/1-A	14:39	95		97		94		97		100	
LCS 280-117185/2-A	14:42	96		98		94		98		101	
LCSD 280-117185/3-A	14:45	96		96		94		97		99	
280-28076-1	14:48	89		103		83		97		98	
CCV 280-117880/25	14:57	119		112		116		111		109	
CCB 280-117880/26	14:59	108		106		108		107		106	
280-28131-BB-4-A SD	15:05	112		106		109		105		103	
CCV 280-117880/29	15:09	105		102		103		102		103	
CCB 280-117880/30	15:12	103		101		102		102		102	
280-28131-BB-4-E MS	15:15	95		104		89		99		101	
280-28131-BB-4-F	15:18	113		115		105		108		108	
280-28131-BB-4-A	15:21	107		111		100		106		105	
280-28076-1	15:30	99		112		91		104		104	
CCV 280-117880/37	15:33	115		110		110		110		110	
CCB 280-117880/38	15:36	109		106		104		105		108	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICP-MS Instrument ID: MT_077 Start Date: 05/01/2012 End Date: 05/01/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ho-165	Q	Element	Q	Element	Q	Element	Q	Element	Q
IC 280-117880/3	13:49	99									
ICV 280-117880/4	13:52	101									
ICB 280-117880/5	13:55	100									
CRI 280-117880/7	14:01	101									
ICSA 280-117880/11	14:15	95									
ICSAB 280-117880/12	14:18	95									
CCV 280-117880/16	14:30	101									
CCB 280-117880/17	14:33	100									
MB 280-117185/1-A	14:39	100									
LCS 280-117185/2-A	14:42	101									
LCSD 280-117185/3-A	14:45	101									
280-28076-1	14:48	100									
CCV 280-117880/25	14:57	107									
CCB 280-117880/26	14:59	105									
280-28131-BB-4-A SD	15:05	102									
CCV 280-117880/29	15:09	104									
CCB 280-117880/30	15:12	103									
280-28131-BB-4-E MS	15:15	101									
280-28131-BB-4-F	15:18	108									
280-28131-BB-4-A	15:21	105									
280-28076-1	15:30	105									
CCV 280-117880/37	15:33	110									
CCB 280-117880/38	15:36	107									

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICP-MS Instrument ID: MT_077 Start Date: 05/02/2012 End Date: 05/02/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge/1	Q	Element Ge/2	Q	Element In	Q
ICV 280-118058/4	11:44	101		101		101		101		102	
ICB 280-118058/5	11:47	101		101		100		101		102	
CRI 280-118058/7	11:53	98		101		99		101		103	
ICSA 280-118058/9	11:59	92		100		89		96		96	
ICSAB 280-118058/10	12:02	95		100		92		96		95	
IC 280-118058/121	17:38	92		98		92		98		97	
CCV 280-118058/122	17:41	92		97		92		97		98	
CCB 280-118058/123	17:44	90		95		91		96		96	
MB 280-117181/1-A	17:47	82		94		81		95		99	
LCS 280-117181/2-A	17:50	81		93		81		94		98	
LCSD 280-117181/3-A	17:53	78		92		79		92		97	
280-28131-S-4-B SD	18:05	90		93		88		93		93	
CCV 280-118058/131	18:08	88		90		89		92		94	
CCB 280-118058/132	18:11	85		86		85		88		91	
280-28131-S-4-C MS	18:14	71		87		67		83		88	
280-28131-S-4-D MSD	18:17	75		85		70		83		86	
280-28131-S-4-B PDS	18:20	76		86		71		82		86	
280-28076-1	18:29	69		83		63		78		84	
CCV 280-118058/139	18:32	84		88		84		89		93	
CCB 280-118058/140	18:35	81		83		80		85		88	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Test America Denver Job No.: 280-28076-1

SDG No.:

ICP-MS Instrument ID: MT_077 Start Date: 05/02/2012 End Date: 05/02/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ho-165	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 280-118058/4	11:44	101									
ICB 280-118058/5	11:47	101									
CRI 280-118058/7	11:53	102									
ICSA 280-118058/9	11:59	95									
ICSAB 280-118058/10	12:02	96									
IC 280-118058/121	17:38	98									
CCV 280-118058/122	17:41	98									
CCB 280-118058/123	17:44	98									
MB 280-117181/1-A	17:47	100									
LCS 280-117181/2-A	17:50	99									
LCSD 280-117181/3-A	17:53	99									
280-28131-S-4-B SD	18:05	96									
CCV 280-118058/131	18:08	96									
CCB 280-118058/132	18:11	94									
280-28131-S-4-C MS	18:14	93									
280-28131-S-4-D MSD	18:17	90									
280-28131-S-4-B PDS	18:20	90									
280-28076-1	18:29	88									
CCV 280-118058/139	18:32	97									
CCB 280-118058/140	18:35	94									

Sample Name: ICIS Acquired: 5/1/2012 12:58:43 Type: Cal
Method: 6500_025 Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00078	.00061	-.01666	-.00009	.00047	-.00055	-.00006	-.00050	.00248	.00009	.00021	-.00003	.00432
Stddev	.00008	.00005	.00009	.00012	.00009	.00133	.00005	.00018	.00016	.00024	.00003	.00009	.00006
%RSD	10.277	7.5947	.55689	131.06	18.385	241.05	86.464	36.728	6.6347	277.56	14.311	308.30	1.2881
#1	-.00073	.00065	-.01672	-.00001	.00053	-.00149	-.00010	-.00063	.00236	.00025	.00023	-.00010	.00428
#2	-.00084	.00058	-.01659	-.00018	.00041	.00039	-.00002	-.00037	.00259	-.00008	.00019	.00004	.00436

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00014	.00056	.00166	.00164	-.00006	-.00021	-.00013	.00069	-.01504	.00045	-.00004	.00062	.00012
Stddev	.00023	.00027	.00016	.00026	.00002	.00004	.00001	.00063	.00128	.00010	.00001	.00029	.00014
%RSD	170.18	48.031	9.3661	15.895	26.912	20.865	4.2293	90.760	8.4951	21.880	24.368	46.190	118.17
#1	.00003	.00037	.00155	.00182	-.00008	-.00018	-.00013	.00025	-.01594	.00052	-.00003	.00082	.00021
#2	-.00030	.00075	.00177	.00145	-.00005	-.00024	-.00014	.00114	-.01413	.00038	-.00005	.00042	.00002

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00094	.00031	.00101	.00101	.00007	-.00140	-.00024	-.00042	-.00024	-.00015	.00022	.00001	-.00131
Stddev	.00001	.00005	.00056	.00056	.00006	.00036	.00004	.00002	.00004	.00012	.00004	.00001	.00071
%RSD	1.3573	17.743	55.840	55.840	86.993	26.098	18.575	4.1240	18.567	80.676	16.605	80.731	54.258
#1	.00093	.00027	.00140	.00140	.00012	-.00166	-.00021	-.00043	-.00021	-.00007	.00024	.00001	-.00181
#2	.00095	.00035	.00061	.00061	.00003	-.00114	-.00027	-.00040	-.00027	-.00024	.00019	.00000	-.00081

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3169.7	48716.	4977.0
Stddev	.6	146.	9.1
%RSD	.02038	.29896	.18374
#1	3170.1	48613.	4970.6
#2	3169.2	48819.	4983.5

Sample Name: ICAL1 Acquired: 5/1/2012 13:01:10 Type: Cal
Method: 6500_025 Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.31572	.18094	.06401	.26449	5.8699	6.3938	1.6803	1.5942	.95403	.91400	.38246	.64989	4.0165	1.4700
Stddev	.00060	.00021	.00020	.00029	.0119	.0261	.0066	.0018	.00063	.00068	.00078	.00439	.0053	.0078
%RSD	.18874	.11488	.31866	.11083	.20197	.40890	.39549	.11148	.06624	.07417	.20337	.67625	.13247	.52993
#1	.31614	.18080	.06386	.26470	5.8783	6.4123	1.6850	1.5930	.95448	.91352	.38301	.65299	4.0203	1.4755
#2	.31530	.18109	.06415	.26429	5.8615	6.3753	1.6756	1.5955	.95358	.91448	.38191	.64678	4.0128	1.4645

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1491	1.3519	.43319	1.2314	.70051	.07745	.50174	.18332	.06470	.27176	.27176	.18068	11.027	.41314
Stddev	.0032	.0056	.00057	.0034	.00023	.00022	.00057	.00038	.00034	.00006	.00006	.00003	.032	.00130
%RSD	.28056	.41422	.13081	.27604	.03334	.28882	.11453	.20533	.51995	.02194	.02194	.01812	.29295	.31367
#1	1.1514	1.3559	.43359	1.2338	.70034	.07729	.50134	.18359	.06446	.27180	.27180	.18066	11.049	.41405
#2	1.1468	1.3479	.43279	1.2290	.70067	.07761	.50215	.18305	.06493	.27172	.27172	.18070	11.004	.41222

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14423	.27930	.02680	.31092
Stddev	.00057	.00094	.00004	.00121
%RSD	.39538	.33677	.14573	.38868
#1	.14382	.27996	.02683	.31178
#2	.14463	.27863	.02677	.31007

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3126.7	47706.	5037.6
Stddev	8.3	146.	28.8
%RSD	.26495	.30499	.57133
#1	3132.5	47603.	5017.2
#2	3120.8	47808.	5057.9

Sample Name: ICAL2 Acquired: 5/1/2012 13:03:22 Type: Cal
Method: 6500_025 Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.4235	.23125	.65739	2.3967	.26280	.61163	.14397
Stddev	.0018	.00202	.00212	.0007	.00347	.00386	.00062
%RSD	.04103	.87370	.32222	.03063	1.3210	.63051	.42798
#1	4.4223	.22982	.65589	2.3962	.26035	.60890	.14354
#2	4.4248	.23268	.65889	2.3972	.26526	.61436	.14441

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	2974.8	44989.	4995.7
Stddev	57.1	313.	2.3
%RSD	1.9187	.69511	.04625
#1	2934.5	45210.	4997.3
#2	3015.2	44768.	4994.1

Sample Name: S1-1390954 Acquired: 5/1/2012 13:05:49 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99357	1.0073	1.9882	.98251	.99056	.98864	-.00177	9.9068	.99279	.99318	.99576	.99231	4.9915
Stddev	.00019	.0060	.0119	.00759	.00434	.00156	.00038	.0200	.00532	.00111	.00294	.00103	.0016
%RSD	.01874	.59300	.59876	.77221	.43805	.15806	21.532	.20230	.53615	.11224	.29554	.10425	.03201
#1	.99344	1.0116	1.9798	.97714	.98749	.98754	-.00150	9.8926	.98902	.99239	.99368	.99158	4.9904
#2	.99371	1.0031	1.9966	.98787	.99363	.98975	-.00204	9.9209	.99655	.99397	.99784	.99304	4.9926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	99.113	1.9820	39.920	.99813	.99593	10.179	F 10.572	.99487	1.9635	1.9886	.00911	1.9746	1.9633
Stddev	.260	.0116	.036	.00059	.00290	.017	.152	.00132	.0106	.0039	.00839	.0134	.0054
%RSD	.26249	.58610	.08997	.05883	.29130	.16962	1.4397	.13303	.53862	.19502	92.031	.67961	.27313
#1	98.929	1.9738	39.945	.99771	.99388	10.167	10.465	.99394	1.9560	1.9858	.00318	1.9651	1.9595
#2	99.297	1.9902	39.895	.99855	.99798	10.191	10.680	.99581	1.9710	1.9913	.01504	1.9840	1.9671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							10.000						
Range							5.0000%						

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9317	21.254	1.9894	.98980	.00013	.99562	1.9838	-.01181	1.0023	1.0103	.99069
Stddev	.0217	.046	.0041	.00251	.00039	.00111	.0028	.03715	.0034	.0047	.00648
%RSD	.21819	.21819	.20554	.25349	304.03	.11197	.13898	314.63	.33668	.46918	.65387
#1	9.9164	21.221	1.9865	.98803	-.00015	.99483	1.9858	.01446	.99990	1.0070	.98611
#2	9.9470	21.287	1.9923	.99158	.00041	.99641	1.9819	-.03808	1.0047	1.0137	.99527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3033.9	46338.	5049.4
Stddev	52.8	226.	4.5
%RSD	1.7389	.48691	.08904
#1	2996.6	46498.	5052.6
#2	3071.2	46179.	5046.2

Sample Name: S2-1390956 Acquired: 5/1/2012 13:08:01 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00161	99.815	-.00222	.00375	.00120	.00047	2.0026	.01235	.00027	.00119	.00078	-.00329
Stddev	.00010	.415	.00300	.00009	.00021	.00006	.0019	.00199	.00032	.00040	.00006	.00008
%RSD	6.4987	.41538	135.12	2.5180	17.711	11.634	.09219	16.086	116.32	33.675	7.7640	2.5099
#1	-.00153	100.11	-.00010	.00368	.00136	.00051	2.0013	.01375	.00050	.00147	.00074	-.00335
#2	-.00168	99.522	-.00433	.00382	.00105	.00044	2.0039	.01094	.00005	.00091	.00082	-.00323
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	99.798	.09742	.00453	-.04126	.00052	.00308	499.84	.00304	.00951	-.00096	9.9713	.00238
Stddev	.190	.04950	.00149	.00245	.00006	.00063	2.71	.00007	.00217	.00098	.0488	.00106
%RSD	.19021	50.816	32.845	5.9478	11.480	20.444	.54192	2.1645	22.862	102.40	.48972	44.600
#1	99.932	.13242	.00558	-.03953	.00056	.00264	501.75	.00308	.01105	-.00165	9.9367	.00163
#2	99.663	.06241	.00347	-.04300	.00048	.00353	497.92	.00299	.00797	-.00026	10.006	.00313
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01190	.02333	.04993	.00443	.00100	9.9442	.01213	.00148	20.046	-.00511	.00076	-.04408
Stddev	.00198	.00254	.00543	.00032	.00002	.1169	.00023	.00025	.297	.00078	.00018	.00343
%RSD	16.630	10.868	10.868	7.1774	2.0766	1.1751	1.9314	17.130	1.4824	15.271	23.084	7.7802
#1	.01330	.02154	.04610	.00465	.00101	10.027	.01230	.00166	20.257	-.00456	.00064	-.04651
#2	.01050	.02513	.05377	.00420	.00098	9.8616	.01196	.00130	19.836	-.00567	.00088	-.04166
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	2931.2	44319.	4982.6
Stddev	60.9	245.	12.4
%RSD	2.0762	.55195	.24867
#1	2888.2	44492.	4991.4
#2	2974.2	44146.	4973.9

Sample Name: ICVH-1380902 Acquired: 5/1/2012 13:10:27 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	39.875	.00181	.00151	.00035	.00007	.52475	38.760	.00026	.00071	.00042	-.00085
Stddev	.00042	.472	.00071	.00029	.00011	.00002	.00037	.285	.00009	.00006	.00020	.00030
%RSD	431.04	1.1832	39.258	18.921	30.559	28.137	.07061	.73532	32.366	8.4737	48.269	35.310
#1	-.00039	39.542	.00131	.00131	.00027	.00006	.52501	38.559	.00032	.00067	.00028	-.00106
#2	.00020	40.209	.00231	.00171	.00042	.00008	.52449	38.962	.00020	.00075	.00057	-.00064
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	79.637	.01229	.00199	-.01182	.00066	-.00011	41.274	.00025	.00270	-.00158	3.8745	.00027
Stddev	.391	.00600	.00021	.00046	.00006	.00020	.274	.00013	.00111	.00151	.0187	.00145
%RSD	.49148	48.826	10.319	3.9071	9.8096	175.11	.66299	51.715	41.148	95.404	.48255	542.81
#1	79.360	.01654	.00185	-.01150	.00061	-.00026	41.081	.00034	.00348	-.00052	3.8613	-.00076
#2	79.914	.00805	.00214	-.01215	.00070	.00003	41.468	.00016	.00191	-.00265	3.8877	.00129
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00680	.01871	.04005	.00224	.00038	2.9898	.00374	.00004	W 5.2806	-.00115	2.4515	-.01693
Stddev	.00218	.01778	.03806	.00020	.00010	.0080	.00028	.00108	.0073	.00016	.0032	.00434
%RSD	32.044	95.028	95.028	8.7891	26.576	.26939	7.4526	2677.5	.13763	13.972	.12842	25.631
#1	.00526	.00614	.01314	.00238	.00045	2.9955	.00354	.00080	5.2755	-.00127	2.4537	-.02000
#2	.00834	.03129	.06696	.00210	.00031	2.9841	.00394	-.00072	5.2858	-.00104	2.4492	-.01386
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									5.0000			
Range									5.4900%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3126.5	47783.	5101.3
Stddev	2.1	153.	10.6
%RSD	.06704	.32107	.20873
#1	3125.0	47674.	5093.8
#2	3128.0	47891.	5108.8

Sample Name: ICV-1383584 Acquired: 5/1/2012 13:13:55 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25022	.26023	.24127	.24775	.25110	.24289	-.00269	1.9992	.25060	.25029	.25221	.25147	.25615
Stddev	.00114	.00117	.00629	.00093	.00086	.00160	.00243	.0153	.00044	.00098	.00103	.00109	.00074
%RSD	.45514	.44788	2.6072	.37384	.34076	.66013	90.439	.76316	.17431	.39125	.40675	.43498	.28770
#1	.25102	.26105	.23682	.24710	.25171	.24403	-.00440	2.0100	.25091	.25098	.25293	.25224	.25667
#2	.24941	.25941	.24572	.24841	.25050	.24176	-.00097	1.9884	.25029	.24960	.25148	.25070	.25563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.055	.25731	9.9072	.25360	.24845	2.0539	.25300	1.9085	.25467	.00142	.24598	.48540	1.9935
Stddev	.118	.00256	.0337	.00054	.00068	.0036	.00099	.0043	.00073	.00006	.00018	.00027	.0053
%RSD	.58896	.99661	.34056	.21443	.27170	.17552	.39087	.22258	.28631	4.5029	.07175	.05637	.26622
#1	20.139	.25550	9.9310	.25399	.24893	2.0564	.25370	1.9055	.25519	.00137	.24610	.48520	1.9972
#2	19.972	.25912	9.8833	.25322	.24797	2.0513	.25230	1.9115	.25416	.00146	.24585	.48559	1.9897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.2660	.50311	.24981	.00088	.24952	.52414	.00285	.24965	.25318	.24343
Stddev	.0114	.00095	.00160	.00002	.00160	.00314	.00377	.00054	.00163	.00002
%RSD	.26622	.18845	.64190	2.4080	.64197	.59951	132.19	.21607	.64453	.00685
#1	4.2740	.50244	.25094	.00090	.25065	.52637	.00019	.25003	.25434	.24342
#2	4.2580	.50379	.24868	.00087	.24839	.52192	.00552	.24926	.25203	.24345
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3103.6	46891.	4991.9
Stddev	54.3	425.	1.7
%RSD	1.7489	.90579	.03404
#1	3065.3	47191.	4993.1
#2	3142.0	46591.	4990.7

Sample Name: ICVL1390952 Acquired: 5/1/2012 13:16:44 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01020	.10583	.01364	.10034	.01007	.00112	.11890	.20215	.00513	.01052	.01006	.01531	.10195
Stddev	.00018	.00091	.00429	.00029	.00007	.00005	.00043	.00635	.00008	.00040	.00011	.00054	.00203
%RSD	1.7499	.86228	31.438	.29263	.73447	4.8833	.35860	3.1400	1.5856	3.7624	1.0546	3.5399	1.9948
#1	.01033	.10647	.01668	.10055	.01012	.00108	.11920	.20664	.00507	.01024	.01014	.01492	.10338
#2	.01007	.10518	.01061	.10013	.01002	.00116	.11860	.19766	.00518	.01080	.00999	.01569	.10051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0991	F .01409	.20868	.01030	.01996	1.0627	.04155	2.9076	.00922	.00334	.00843	.01296	.48663
Stddev	.0276	.00069	.00318	.00005	.00008	.0155	.00029	.0026	.00051	.00108	.00267	.00183	.00501
%RSD	.88932	4.9111	1.5233	.44515	.38337	1.4605	.69212	.08770	5.4815	32.525	31.660	14.152	1.0303
#1	3.0797	.01458	.20644	.01034	.01990	1.0517	.04175	2.9058	.00957	.00410	.00654	.01426	.48309
#2	3.1186	.01360	.21093	.01027	.02001	1.0736	.04135	2.9094	.00886	.00257	.01031	.01166	.49018
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0414	.10368	.01010	.01507	.00985	.01526	F .08238	.00997	.02311	.01311
Stddev	.0107	.00143	.00004	.00087	.00041	.00014	.01459	.00058	.00040	.00020
%RSD	1.0303	1.3760	.38800	5.7902	4.1812	.91164	17.710	5.8596	1.7350	1.4875
#1	1.0338	.10469	.01013	.01568	.00955	.01535	.07207	.01038	.02340	.01297
#2	1.0490	.10267	.01007	.01445	.01014	.01516	.09270	.00956	.02283	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3239.7	48171.	5010.4
Stddev	2.0	270.	40.2
%RSD	.06042	.56017	.80204
#1	3238.3	48362.	5038.8
#2	3241.0	47981.	4982.0

Sample Name: CCVH-1390999 Acquired: 5/1/2012 13:19:42 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00106	50.061	-.00229	.00163	.00022	.00009	1.0321	.00104	.00005	.00034	.00044	-.00163	49.559
Stddev	.00014	.199	.00186	.00019	.00014	.00008	.0068	.00131	.00003	.00008	.00007	.00017	.004
%RSD	13.135	.39805	81.128	11.628	62.300	86.306	.65931	126.26	62.358	24.937	14.851	10.649	.00821
#1	-.00116	49.921	-.00360	.00177	.00032	.00014	1.0273	.00011	.00003	.00028	.00049	-.00150	49.556
#2	-.00096	50.202	-.00098	.00150	.00012	.00003	1.0369	.00196	.00007	.00040	.00039	-.00175	49.562
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00427	.00113	-.02373	.00013	.00054	248.67	.00087	.00389	-.00149	4.9996	-.00237	.00851	-.00675
Stddev	.00289	.00230	.00044	.00002	.00010	1.00	.00025	.00083	.00073	.0272	.00206	.00532	.00426
%RSD	67.777	202.71	1.8559	16.426	17.704	.40357	28.083	21.312	49.349	.54442	87.011	62.513	63.061
#1	.00632	-.00049	-.02404	.00014	.00047	247.96	.00105	.00330	-.00201	4.9804	-.00382	.00475	-.00374
#2	.00222	.00276	-.02341	.00011	.00060	249.37	.00070	.00448	-.00097	5.0189	-.00091	.01227	-.00976
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01445	.00210	.00035	4.9540	.00565	.00004	10.263	-.00274	.00117	-.02486
Stddev	.00911	.00034	.00007	.0221	.00014	.00221	.045	.00032	.00044	.00153
%RSD	63.061	16.199	20.496	.44672	2.5313	5379.7	.43618	11.493	37.601	6.1744
#1	-.00801	.00186	.00030	4.9384	.00575	-.00152	10.232	-.00296	.00148	-.02594
#2	-.02090	.00234	.00040	4.9697	.00555	.00160	10.295	-.00252	.00086	-.02377
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3082.8	46810.	5063.5
Stddev	.4	173.	14.8
%RSD	.01456	.37007	.29230
#1	3082.4	46933.	5074.0
#2	3083.1	46688.	5053.1

Sample Name: CCV-1390955 Acquired: 5/1/2012 13:22:03 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49568	.49908	.97339	.49277	.49569	.48894	-.00286	4.9521	.49855	.49806	.49667	.49670	2.4693
Stddev	.00204	.00152	.00387	.00339	.00022	.00000	.00135	.0040	.00103	.00068	.00084	.00212	.0095
%RSD	.41249	.30525	.39800	.68804	.04425	.00010	47.224	.08161	.20617	.13683	.16934	.42760	.38397
#1	.49713	.50016	.97613	.49517	.49553	.48894	-.00190	4.9549	.49928	.49855	.49608	.49820	2.4760
#2	.49424	.49800	.97065	.49037	.49584	.48894	-.00381	4.9492	.49782	.49758	.49727	.49520	2.4625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.484	1.0014	19.579	.49233	.49472	4.9908	.49975	.96571	1.0102	.00006	.98595	.98612	4.9239
Stddev	.062	.0009	.113	.00282	.00009	.0167	.00013	.00071	.0053	.00708	.00004	.00380	.0052
%RSD	.12553	.09363	.57891	.57247	.01719	.33474	.02672	.07306	.51924	12185.	.00355	.38510	.10505
#1	49.440	1.0021	19.659	.49433	.49466	5.0026	.49985	.96621	1.0139	-.00495	.98598	.98344	4.9275
#2	49.528	1.0007	19.499	.49034	.49478	4.9790	.49966	.96521	1.0065	.00507	.98593	.98881	4.9202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.537	.98547	.49317	.00017	.49220	1.0140	-.00243	.49642	.49356	.49380
Stddev	.011	.00137	.00075	.00012	.00245	.0011	.03021	.00244	.00035	.00394
%RSD	.10505	.13930	.15191	71.581	.49720	.10434	1245.6	.49160	.07024	.79855
#1	10.545	.98644	.49264	.00008	.49393	1.0132	-.02379	.49814	.49380	.49101
#2	10.529	.98450	.49370	.00025	.49047	1.0147	.01894	.49469	.49331	.49659
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3170.9	48737.	5073.0
Stddev	8.4	370.	31.4
%RSD	.26345	.75890	.61849
#1	3165.0	48475.	5095.1
#2	3176.8	48998.	5050.8

Sample Name: ICB Acquired: 5/1/2012 13:24:17 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00011	-.00310	.00038	.00037	.00002	-.00353	-.00044	.00003	-.00022	.00014	-.00014	.01963
Stddev	.00048	.00024	.00141	.00033	.00024	.00005	.00070	.00414	.00003	.00002	.00003	.00016	.00187
%RSD	820.74	210.17	45.565	86.957	64.980	238.34	19.958	939.26	116.77	7.8393	25.320	113.03	9.5338
#1	.00039	-.00005	-.00210	.00062	.00020	.00005	-.00403	.00249	.00005	-.00023	.00011	-.00025	.02095
#2	-.00028	.00028	-.00409	.00015	.00054	-.00001	-.00303	-.00337	.00000	-.00021	.00016	-.00003	.01830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00984	.00123	-.00135	.00011	.00073	.02097	-.00048	.00015	.00035	-.00056	.00170	.00415	.00030
Stddev	.01218	.00182	.00018	.00005	.00015	.00131	.00043	.00034	.00059	.00591	.00224	.00321	.00984
%RSD	123.77	148.49	13.531	47.957	20.900	6.2289	88.611	221.11	166.96	1063.5	131.81	77.253	3271.2
#1	.01845	-.00006	-.00148	.00007	.00063	.02005	-.00018	.00039	.00077	.00362	.00012	.00642	-.00665
#2	.00123	.00251	-.00122	.00015	.00084	.02189	-.00078	-.00009	-.00006	-.00474	.00328	.00188	.00726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.00079	.00004	.00065	.00004	.00210	.02250	-.00035	.00178	-.00159
Stddev	.02105	.00010	.00003	.00134	.00004	.00038	.02052	.00039	.00057	.00276
%RSD	3271.2	12.933	83.401	206.37	90.823	17.913	91.190	111.86	32.109	173.85
#1	-.01424	.00071	.00006	.00160	.00007	.00237	.03701	-.00063	.00138	-.00354
#2	.01553	.00086	.00002	-.00030	.00002	.00184	.00799	-.00007	.00219	.00036
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3167.5	47733.	5022.4
Stddev	8.7	365.	77.9
%RSD	.27427	.76363	1.5505
#1	3161.4	47991.	5077.5
#2	3173.6	47476.	4967.3

Sample Name: CRI-1390953 Acquired: 5/1/2012 13:26:42 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01050	.11783	.00842	.10043	.00518	.00098	.11873	.20715	.00521	.00534	.01024	.01080
Stddev	.00021	.00014	.00342	.00027	.00002	.00000	.00148	.00123	.00003	.00014	.00030	.00045
%RSD	1.9625	.11498	40.659	.27142	.28979	.32160	1.2493	.59292	.54385	2.5886	2.9721	4.1629
#1	.01036	.11773	.00600	.10062	.00517	.00098	.11978	.20802	.00523	.00525	.01046	.01048
#2	.01065	.11792	.01084	.10024	.00519	.00098	.11768	.20629	.00519	.00544	.01003	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03316	1.0304	W .01304	.21027	.00322	.01049	1.0578	.01009	.97119	.00280	.10518	.00859
Stddev	.00319	.0457	.00239	.00179	.00000	.00029	.0176	.00047	.00972	.00069	.00005	.00236
%RSD	9.6289	4.4384	18.353	.85205	.00451	2.7380	1.6608	4.6959	1.0011	24.595	.05127	27.516
#1	.03090	.99807	.01135	.20901	.00322	.01029	1.0702	.01043	.96431	.00329	.10522	.01026
#2	.03542	1.0627	.01473	.21154	.00322	.01069	1.0454	.00976	.97806	.00231	.10514	.00692
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			20.490%									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .01285	.49787	1.0654	.02050	.00514	.00981	.01035	W .01219	.06406	.00950	.01188	.00873
Stddev	.00381	.00340	.0073	.00002	.00007	.00157	.00001	.00113	.01673	.00029	.00024	.00081
%RSD	29.643	.68295	.68295	.09152	1.2706	15.989	.08640	9.2714	26.119	3.0930	2.0070	9.2518
#1	.01015	.50027	1.0706	.02052	.00509	.01092	.01036	.01139	.07589	.00970	.01205	.00816
#2	.01554	.49546	1.0603	.02049	.00518	.00870	.01035	.01299	.05223	.00929	.01171	.00930
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000							.01000				
Range	20.490%							20.490%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3245.0	50104.	5152.3
Stddev	.7	196.	60.2
%RSD	.02151	.39202	1.1693
#1	3245.5	49965.	5194.9
#2	3244.5	50243.	5109.7

Sample Name: cri- Acquired: 5/1/2012 13:34:40 Type: Unk
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	-.00040	-.00586	-.00075	.00015	.00010	-.00157	-.00020	.00022	.00000
Stddev	.00000	.00049	.00265	.00048	.00018	.00003	.00146	.00090	.00029	.00023
%RSD	3.7953	122.69	45.238	64.375	125.91	35.328	93.138	458.14	129.25	11389.
#1	.00013	-.00074	-.00773	-.00041	.00002	.00012	-.00053	-.00083	.00043	-.00016
#2	.00012	-.00005	-.00398	-.00109	.00028	.00007	-.00260	.00044	.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	-.00007	-.00109	.00481	-.00059	-.00014	.00002	.00004	.01130	-.00042
Stddev	.00011	.00041	.00480	.00244	.00351	.00074	.00005	.00051	.01793	.00026
%RSD	95.600	617.16	441.71	50.801	593.42	518.01	319.59	1322.5	158.57	62.023
#1	.00004	-.00035	.00231	.00654	.00189	-.00067	.00005	.00040	-.00137	-.00060
#2	.00020	.00022	-.00448	.00308	-.00307	.00038	-.00002	-.00032	.02398	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00497	.00072	-.00362	-.00135	.01730	-.02595	-.05554	.00080	-.00006	.00092
Stddev	.00089	.00114	.00360	.00033	.00158	.01543	.03303	.00003	.00005	.00110
%RSD	17.925	159.34	99.287	24.758	9.1595	59.467	59.467	3.1357	84.608	120.21
#1	.00434	.00153	-.00108	-.00159	.01842	-.03687	-.07889	.00082	-.00002	.00170
#2	.00560	-.00009	-.00617	-.00111	.01617	-.01504	-.03219	.00078	-.00010	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00032	-.00074	.02686	-.00032	-.00042	.00038
Stddev	.00020	.00037	.02220	.00004	.00011	.00018
%RSD	62.953	50.096	82.651	11.167	25.330	46.023
#1	-.00018	-.00100	.01116	-.00035	-.00050	.00051
#2	-.00046	-.00048	.04256	-.00030	-.00035	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3181.7	49427.	5053.0
Stddev	14.4	164.	26.5
%RSD	.45190	.33155	.52490
#1	3171.6	49543.	5034.2
#2	3191.9	49311.	5071.7

Sample Name: ICSA-1363295 Acquired: 5/1/2012 13:39:21 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00040	512.17	.00158	-.00233	.00054	.00002	-.00076	472.14	W .00115	-.00100	W .00313
Stddev	.00060	.44	.00296	.00100	.00001	.00009	.00571	.32	.00025	.00023	.00006
%RSD	151.33	.08667	187.52	42.770	2.6839	410.15	756.24	.06772	22.020	22.943	1.8323
#1	-.00083	511.86	-.00051	-.00162	.00053	-.00004	.00328	472.37	.00133	-.00116	.00317
#2	.00003	512.48	.00367	-.00303	.00055	.00008	-.00479	471.91	.00097	-.00084	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit									.00080		.00133
Low Limit									-.00080		-.00133

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00452	196.45	.03805	W .00621	511.84	.00031	-.00383	.03827	-.00095	.00113	W .00590
Stddev	.00012	.97	.02862	.00018	2.43	.00006	.00019	.00114	.00003	.00028	.00025
%RSD	2.7539	.49274	75.201	2.9059	.47466	20.802	4.9703	2.9899	3.3070	24.293	4.2691
#1	.00461	195.76	.05829	.00608	510.13	.00035	-.00396	.03746	-.00093	.00094	.00572
#2	.00444	197.13	.01782	.00633	513.56	.00026	-.00369	.03908	-.00097	.00133	.00608
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.00272			.00522							.00500
Low Limit	-.00272			-.00522							-.00500

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00584	.00412	.00322	-.00813	-.01740	-.00039	W .00189	W -.01219	.00046	.00024	.01379
Stddev	.00753	.00044	.00725	.00236	.00504	.00059	.00003	.00152	.00009	.00219	.01736
%RSD	128.96	10.587	225.44	28.996	28.996	152.81	1.6075	12.466	20.265	929.74	125.92
#1	.00051	.00382	-.00191	-.00980	-.02097	-.00080	.00187	-.01112	.00040	.00178	.00151
#2	.01117	.00443	.00835	-.00646	-.01383	.00003	.00191	-.01327	.00053	-.00131	.02606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050	.00800			
Low Limit							-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00134	-.00029	-.00215
Stddev	.00004	.00003	.00044
%RSD	2.7584	11.666	20.612
#1	.00131	-.00027	-.00246
#2	.00136	-.00031	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	2808.3	41664.	4886.4
Stddev	1.1	111.	52.4
%RSD	.04045	.26620	1.0719
#1	2807.5	41742.	4849.4
#2	2809.2	41585.	4923.5

Sample Name: ICSAB-1380196 Acquired: 5/1/2012 13:41:54 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0892	497.63	1.9897	1.8364	.48909	.47084	1.0178	466.45	1.0134	.45909	.48194	.53937	190.74
Stddev	.0040	.91	.0067	.0024	.00011	.00064	.0011	6.92	.0021	.00318	.00095	.00091	.19
%RSD	.36736	.18322	.33488	.13015	.02306	.13693	.10564	1.4831	.20799	.69264	.19811	.16913	.09773
#1	1.0921	496.99	1.9944	1.8381	.48901	.47039	1.0171	461.56	1.0149	.46134	.48262	.54001	190.61
#2	1.0864	498.28	1.9850	1.8347	.48917	.47130	1.0186	471.34	1.0119	.45684	.48127	.53872	190.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.400	1.0310	506.36	.50234	.95429	51.662	.90568	1.9005	.90531	1.0199	.93869	4.7674	9.9924
Stddev	.090	.0018	.18	.00143	.00369	.330	.00298	.0064	.00108	.0008	.00280	.0139	.0750
%RSD	.17484	.17413	.03535	.28454	.38671	.63789	.32934	.33763	.11949	.07554	.29825	.29246	.75049
#1	51.337	1.0322	506.23	.50335	.95690	51.895	.90779	1.9051	.90608	1.0204	.94067	4.7773	9.9394
#2	51.464	1.0297	506.49	.50133	.95168	51.429	.90357	1.8960	.90455	1.0193	.93671	4.7576	10.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.384	9.0366	.97942	2.0566	.99733	8.3719	-.00819	.50301	.96844	.96512
Stddev	.160	.0192	.00109	.0089	.00251	.0228	.05914	.00089	.00405	.00460
%RSD	.75049	.21259	.11112	.43347	.25122	.27286	722.09	.17651	.41781	.47685
#1	21.270	9.0502	.97865	2.0629	.99910	8.3881	-.05001	.50364	.97130	.96186
#2	21.497	9.0230	.98019	2.0503	.99555	8.3558	.03363	.50238	.96558	.96837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	2811.7	41493.	4956.1
Stddev	.1	44.	85.6
%RSD	.00474	.10651	1.7267
#1	2811.6	41461.	5016.6
#2	2811.8	41524.	4895.6

Sample Name: LRA-1341785 Acquired: 5/1/2012 13:44:14 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0389	.09015	9.9731	9.4984	11.938	.00273	-.00358	.00184	2.0003	4.9158	9.8131	10.601	504.90
Stddev	.0124	.00089	.0319	.0002	.039	.00002	.00507	.00015	.0011	.0020	.0047	.076	.62
%RSD	.60766	.98356	.32018	.00208	.32793	.59691	141.81	8.3560	.05637	.04127	.04838	.71892	.12214
#1	2.0301	.08953	9.9957	9.4985	11.965	.00274	-.00716	.00195	1.9995	4.9144	9.8165	10.547	505.34
#2	2.0476	.09078	9.9506	9.4983	11.910	.00272	.00001	.00173	2.0011	4.9172	9.8098	10.655	504.46
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.08772	.00141	-.06413	9.9483	4.9018	.01012	9.8918	.00759	10.165	.01470	-.01054	4.9477	48.592
Stddev	.03223	.00228	.00050	.1543	.0060	.00210	.0031	.00177	.009	.00282	.00344	.0195	.316
%RSD	36.744	161.77	.78693	1.5510	.12314	20.780	.03114	23.312	.08902	19.195	32.675	.39407	.64960
#1	-.11051	.00302	-.06377	9.8392	4.9061	.00863	9.8896	.00884	10.171	.01270	-.01298	4.9615	48.369
#2	-.06493	-.00020	-.06449	10.057	4.8976	.01160	9.8940	.00634	10.159	.01669	-.00811	4.9339	48.815
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	103.99	.00537	10.031	-.02852	9.8904	4.9738	.03591	9.9859	9.8410	-.00207
Stddev	.68	.00016	.093	.00274	.0436	.0053	.01515	.0458	.0391	.00057
%RSD	.64960	3.0580	.92508	9.6145	.44063	.10602	42.199	.45909	.39768	27.807
#1	103.51	.00526	10.096	-.03046	9.8596	4.9776	.02519	9.9535	9.8133	-.00247
#2	104.46	.00549	9.9651	-.02658	9.9212	4.9701	.04662	10.018	9.8687	-.00166
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3139.5	47713.	5046.5
Stddev	1.3	127.	4.3
%RSD	.04124	.26602	.08444
#1	3138.6	47803.	5043.5
#2	3140.4	47624.	5049.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 13:46:48 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00072	49.583	.00473	.01523	.00056	.00009	1.0160	.00311	.00002	.00043	.00047	-.00213	49.628
Stddev	.00044	.198	.00450	.00138	.00003	.00001	.0021	.00035	.00006	.00017	.00007	.00007	.249
%RSD	61.822	.39904	95.136	9.0301	5.6241	14.228	.20160	11.207	342.53	40.404	15.021	3.5113	.50219
#1	-.00040	49.723	.00791	.01620	.00053	.00008	1.0174	.00287	-.00003	.00031	.00042	-.00208	49.804
#2	-.00103	49.443	.00155	.01426	.00058	.00010	1.0145	.00336	.00006	.00055	.00052	-.00218	49.451
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02251	.00011	-.02315	.00021	.00743	246.10	.00139	.00175	-.00087	4.9617	-.00178	.00465	.06226
Stddev	.00649	.00238	.00323	.00012	.00221	.17	.00007	.00257	.00033	.0065	.00263	.00015	.00051
%RSD	28.823	2180.9	13.935	57.099	29.768	.06894	4.9268	147.16	37.795	.13065	147.35	3.2773	.81260
#1	.01792	-.00157	-.02087	.00030	.00587	246.22	.00144	.00356	-.00064	4.9663	.00007	.00454	.06190
#2	.02709	.00179	-.02543	.00013	.00899	245.98	.00134	-.00007	-.00110	4.9571	-.00364	.00476	.06261
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13323	.00182	.00045	5.0126	.00808	.00234	10.357	-.00330	.00135	-.03056
Stddev	.00108	.00101	.00004	.0105	.00029	.00122	.015	.00017	.00037	.00021
%RSD	.81260	55.308	7.8834	.20898	3.6250	52.210	.14431	5.2868	27.317	.69105
#1	.13246	.00253	.00048	5.0201	.00788	.00320	10.368	-.00318	.00109	-.03041
#2	.13400	.00111	.00043	5.0052	.00829	.00148	10.347	-.00342	.00161	-.03071
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3082.3	46454.	5023.6
Stddev	2.1	125.	40.7
%RSD	.06730	.26917	.80937
#1	3080.8	46543.	4994.8
#2	3083.8	46366.	5052.3

Sample Name: CCV-1390955 Acquired: 5/1/2012 13:49:09 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50200	.50260	.98571	.49677	.49785	.48720	-.00025	4.9364	.49962	.50235	.50152	.50609	2.4929
Stddev	.00112	.00029	.00380	.00067	.00073	.00079	.00218	.0059	.00147	.00001	.00095	.00039	.0013
%RSD	.22341	.05690	.38510	.13503	.14733	.16233	875.37	.11858	.29323	.00225	.18993	.07776	.05063
#1	.50121	.50239	.98303	.49630	.49733	.48664	-.00179	4.9323	.49858	.50234	.50085	.50582	2.4938
#2	.50279	.50280	.98840	.49725	.49837	.48776	.00129	4.9405	.50065	.50236	.50220	.50637	2.4920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.715	.99277	19.908	.50161	.50069	4.9447	.50214	.96680	1.0255	.00839	.98248	.99799	4.8785
Stddev	.092	.00184	.028	.00000	.00074	.0035	.00050	.00299	.0002	.00113	.00037	.00462	.0158
%RSD	.18560	.18565	.13873	.00006	.14734	.07012	.09984	.30943	.01747	13.463	.03780	.46308	.32310
#1	49.650	.99147	19.888	.50161	.50017	4.9471	.50178	.96469	1.0256	.00919	.98274	.99472	4.8673
#2	49.780	.99407	19.927	.50161	.50121	4.9422	.50249	.96892	1.0253	.00759	.98222	1.0013	4.8896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.440	1.0043	.49509	.00118	.49545	1.0245	-.00122	.50244	.50865	.49728
Stddev	.034	.0022	.00070	.00082	.00021	.0038	.00185	.00091	.00044	.00127
%RSD	.32310	.22162	.14089	69.615	.04186	.36914	151.77	.18150	.08639	.25614
#1	10.416	1.0059	.49459	.00175	.49530	1.0218	.00009	.50309	.50834	.49638
#2	10.464	1.0027	.49558	.00060	.49560	1.0272	-.00253	.50180	.50896	.49818
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3156.5	48184.	5062.2
Stddev	1.8	59.	22.0
%RSD	.05738	.12187	.43496
#1	3157.8	48142.	5077.8
#2	3155.2	48226.	5046.6

Sample Name: CCB Acquired: 5/1/2012 13:51:22 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.00039	-.00247	W .00489	.00019	-.00006	-.00092	.00015	.00011	-.00008	-.00012	-.00052
Stddev	.00053	.00048	.00032	.00013	.00008	.00007	.00295	.00317	.00015	.00020	.00002	.00014
%RSD	124.43	121.53	13.102	2.5741	40.960	117.14	320.72	2073.7	136.72	238.76	17.926	27.263
#1	.00080	.00073	-.00270	.00480	.00014	-.00001	.00116	.00239	.00000	.00006	-.00014	-.00062
#2	.00005	.00006	-.00224	.00498	.00025	-.00011	-.00300	-.00209	.00022	-.00022	-.00011	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00186	.00059	.00255	.00070	.00009	.00108	.00998	-.00046	.00119	-.00115	.00135	.00107
Stddev	.00122	.02404	.00126	.00117	.00005	.00050	.00410	.00037	.00095	.00075	.00319	.00092
%RSD	66.019	4108.3	49.200	167.43	55.026	46.450	41.099	80.603	80.057	65.014	236.28	86.365
#1	.00099	-.01641	.00166	.00152	.00005	.00073	.01288	-.00073	.00052	-.00062	.00360	.00042
#2	.00272	.01758	.00344	-.00013	.00012	.00144	.00708	-.00020	.00186	-.00168	-.00090	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00323	-.00981	-.02100	.00118	.00002	.00096	.00039	-.00006	.00509	-.00086	.00185	.00014
Stddev	.00126	.01205	.02579	.00083	.00003	.00063	.00002	.00104	.02520	.00030	.00043	.00101
%RSD	38.960	122.79	122.79	70.318	147.82	65.262	5.9367	1818.4	494.58	34.690	22.997	733.35
#1	.00234	-.01833	-.03923	.00060	.00000	.00141	.00037	.00068	.02291	-.00065	.00155	-.00057
#2	.00413	-.00129	-.00277	.00177	.00005	.00052	.00041	-.00079	-.01272	-.00107	.00215	.00085
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3176.3	48676.	5017.7
Stddev	8.1	120.	33.3
%RSD	.25424	.24614	.66454
#1	3170.6	48592.	5041.3
#2	3182.0	48761.	4994.1

Sample Name: CCVL1390952 Acquired: 5/1/2012 13:53:47 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01041	.10601	.01317	.10262	.01031	.00103	.11725	.20136	.00533	.01040	.01043	.01503	.10044
Stddev	.00044	.00132	.00007	.00014	.00023	.00001	.00024	.00337	.00017	.00009	.00000	.00004	.00049
%RSD	4.2654	1.2459	.54607	.13544	2.1844	.66158	.20455	1.6741	3.1123	.82999	.02455	.29786	.48835
#1	.01072	.10694	.01312	.10252	.01016	.00104	.11708	.20375	.00544	.01034	.01043	.01506	.10010
#2	.01009	.10507	.01322	.10272	.01047	.00103	.11741	.19898	.00521	.01046	.01043	.01499	.10079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0510	.01212	.21118	.01050	.02037	1.0406	.04144	2.8764	.01030	-.00058	F .00618	.01655	.51108
Stddev	.0306	.00141	.00116	.00008	.00012	.0120	.00000	.0117	.00191	.00841	.00076	.00391	.01115
%RSD	1.0018	11.618	.55122	.72925	.61189	1.1567	.00687	.40693	18.492	1462.1	12.216	23.614	2.1815
#1	3.0294	.01112	.21200	.01044	.02046	1.0321	.04144	2.8681	.01165	.00537	.00565	.01931	.50320
#2	3.0726	.01311	.21035	.01055	.02028	1.0492	.04144	2.8846	.00896	-.00652	.00672	.01379	.51896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0937	.10525	.01013	.01366	.01035	.01801	.06751	.00995	.02310	.01519
Stddev	.0239	.00156	.00002	.00061	.00012	.00037	.00533	.00084	.00042	.00075
%RSD	2.1815	1.4863	.15651	4.4826	1.1139	2.0665	7.8931	8.4826	1.8170	4.9631
#1	1.0768	.10414	.01014	.01323	.01027	.01775	.07128	.01055	.02340	.01466
#2	1.1106	.10635	.01012	.01409	.01043	.01827	.06375	.00935	.02280	.01572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3168.9	47997.	5064.9
Stddev	112.1	518.	30.1
%RSD	3.5379	1.0799	.59478
#1	3089.6	48364.	5086.2
#2	3248.2	47631.	5043.5

Sample Name: mb 280-117065/1-a Acquired: 5/1/2012 13:56:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00221	-.00295	.00245	.00028	.00005	.00004	.02293	.00031	-.00019
Stddev	.00045	.00086	.00061	.00081	.00007	.00008	.00203	.00254	.00003	.00023
%RSD	4541.8	38.777	20.680	33.021	24.656	145.66	5350.5	11.058	8.7396	120.15
#1	-.00031	.00161	-.00338	.00303	.00023	.00000	-.00140	.02114	.00033	-.00003
#2	.00033	.00282	-.00252	.00188	.00032	.00011	.00147	.02472	.00029	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00032	.00989	.03844	.00049	.00462	.00015	.00010	.15209	-.00031
Stddev	.00005	.00012	.00073	.04307	.00379	.00343	.00003	.00009	.00673	.00011
%RSD	69.573	38.072	7.3795	112.03	776.56	74.348	18.304	85.372	4.4240	36.813
#1	-.00004	-.00023	.00937	.00799	.00317	.00219	.00017	.00017	.15685	-.00039
#2	-.00010	-.00041	.01040	.06889	-.00219	.00704	.00013	.00004	.14733	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00086	-.00053	F .03558	-.00202	.00094	-.00274	-.00586	.00135	-.00002	.00082
Stddev	.00040	.00076	.00392	.00033	.00009	.00502	.01074	.00012	.00003	.00008
%RSD	46.212	143.32	11.013	16.159	9.1260	183.29	183.29	9.1791	171.32	9.4601
#1	.00058	-.00107	.03835	-.00225	.00100	-.00629	-.01346	.00144	.00000	.00087
#2	.00114	.00001	.03281	-.00179	.00088	.00081	.00174	.00126	-.00004	.00076
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00126	-.01553	.00020	W .00886	-.00179
Stddev	.00012	.00177	.02363	.00007	.00086	.00147
%RSD	63.347	140.37	152.11	36.192	9.6594	82.296
#1	.00027	.00001	-.03224	.00015	.00946	-.00075
#2	.00010	.00251	.00117	.00026	.00825	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3156.2	47108.	5059.4
Stddev	51.7	77.	98.4
%RSD	1.6387	.16379	1.9440
#1	3192.8	47163.	5128.9
#2	3119.7	47053.	4989.8

Sample Name: lcs 280-117065/2-a Acquired: 5/1/2012 13:58:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05108	1.9522	1.0366	1.0127	2.0617	.05120	2.1727	50.578	.10275	.50554
Stddev	.00012	.0020	.0058	.0019	.0015	.00037	.0045	.109	.00025	.00130
%RSD	.23378	.10373	.56214	.18672	.07072	.72401	.20905	.21630	.24759	.25691
#1	.05116	1.9508	1.0325	1.0140	2.0627	.05146	2.1759	50.655	.10293	.50462
#2	.05099	1.9536	1.0407	1.0114	2.0606	.05094	2.1695	50.500	.10257	.50645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20631	.25872	1.0396	52.029	1.0409	50.712	.51903	1.0469	52.872	.50731
Stddev	.00050	.00013	.0018	.003	.0000	.231	.00135	.0002	.387	.00049
%RSD	.24318	.05182	.17019	.00563	.00238	.45511	.25967	.01665	.73154	.09573
#1	.20595	.25862	1.0409	52.031	1.0409	50.875	.51998	1.0471	53.145	.50696
#2	.20666	.25881	1.0384	52.027	1.0409	50.549	.51808	1.0468	52.598	.50765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.202	.50648	.01198	.49878	2.0465	10.336	F 22.120	2.0549	1.0388	1.0412
Stddev	.049	.00044	.00252	.00236	.0102	.017	.037	.0054	.0009	.0007
%RSD	.47592	.08694	21.015	.47338	.49790	.16526	.16526	.26224	.08561	.06850
#1	10.168	.50680	.01020	.49711	2.0393	10.324	22.094	2.0511	1.0394	1.0407
#2	10.236	.50617	.01376	.50045	2.0537	10.348	22.145	2.0587	1.0381	1.0417
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0392	2.0425	2.2229	.52346	.52268	.51444
Stddev	.0016	.0003	.0272	.00094	.00253	.00104
%RSD	.15079	.01291	1.2229	.17894	.48385	.20283
#1	1.0404	2.0427	2.2421	.52412	.52447	.51518
#2	1.0381	2.0423	2.2037	.52280	.52089	.51370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3088.9	45782.	4856.7
Stddev	4.0	1030.	43.5
%RSD	.12939	2.2487	.89636
#1	3086.1	45054.	4887.5
#2	3091.8	46509.	4825.9

Sample Name: 280-28079-c-2-e Acquired: 5/1/2012 14:00:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.01339	-.00026	.04438	.25255	.00008	-.00648	262.39	.00189	.00872
Stddev	.00041	.00041	.00282	.00024	.00021	.00004	.00530	5.50	.00009	.00005
%RSD	42.922	3.0699	1064.4	.53662	.08358	43.775	81.826	2.0944	4.8263	.61112
#1	.00067	.01310	.00173	.04421	.25270	.00006	-.01022	266.28	.00182	.00868
#2	.00126	.01368	-.00226	.04455	.25240	.00011	-.00273	258.51	.00195	.00875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.00258	.03724	7.9577	.00726	68.347	W 11.496	.00192	17.928	.02723
Stddev	.00017	.00027	.00122	.0447	.00151	.067	.041	.00070	.141	.00044
%RSD	37.345	10.585	3.2837	.56204	20.814	.09856	.35647	36.576	.78503	1.6070
#1	.00058	.00239	.03810	7.9261	.00619	68.299	11.525	.00142	18.027	.02692
#2	.00034	.00277	.03637	7.9893	.00833	68.395	11.467	.00241	17.828	.02754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00808	.00223	21.098	-.00096	.00711	9.8436	21.065	.00137	.76322	-.00012
Stddev	.00176	.00074	.128	.00025	.00462	.0242	.052	.00191	.00022	.00045
%RSD	21.799	33.068	.60613	25.785	65.007	.24622	.24622	138.81	.02819	365.32
#1	.00684	.00275	21.189	-.00078	.00384	9.8607	21.102	.00003	.76307	-.00044
#2	.00933	.00171	21.008	-.00113	.01037	9.8265	21.029	.00272	.76337	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00068	.00171	W -.07435	.00021	.00875	.00052
Stddev	.00012	.00242	.02446	.00030	.00013	.00131
%RSD	17.840	141.67	32.901	145.74	1.5329	252.12
#1	.00077	.00341	-.09165	-.00001	.00866	-.00041
#2	.00060	.00000	-.05705	.00042	.00885	.00145
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3015.4	46520.	5111.8
Stddev	3.3	80.	20.8
%RSD	.10805	.17189	.40654
#1	3013.1	46576.	5097.1
#2	3017.7	46463.	5126.5

Sample Name: 280-28079-c-12-c Acquired: 5/1/2012 14:03:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.10562	.01423	.25619	1.0487	.00004	-.00067	144.67	.00044	.00169
Stddev	.00038	.00177	.00240	.00038	.0037	.00007	.00221	1.08	.00008	.00024
%RSD	39.084	1.6746	16.889	.14814	.35284	181.52	328.29	.74506	17.555	14.205
#1	.00124	.10687	.01253	.25592	1.0461	.00009	-.00223	143.91	.00050	.00186
#2	.00070	.10437	.01593	.25646	1.0513	-.00001	.00089	145.43	.00039	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00227	.00824	98.187	5.2348	.00780	28.373	5.1094	.00007	14.566	.00450
Stddev	.00022	.00042	.692	.0261	.00036	.188	.0097	.00025	.118	.00087
%RSD	9.7405	5.0690	.70457	.49859	4.6290	.66332	.18967	369.59	.81051	19.412
#1	.00243	.00853	97.698	5.2164	.00754	28.506	5.1163	-.00011	14.649	.00512
#2	.00212	.00794	98.676	5.2533	.00805	28.240	5.1026	.00024	14.482	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23332	.00052	1.8844	-.00151	.00622	15.563	33.305	.00133	.51192	-.00436
Stddev	.00829	.00157	.0129	.00290	.00364	.148	.317	.00022	.00232	.00009
%RSD	3.5531	302.80	.68352	191.85	58.552	.95156	.95156	16.339	.45394	2.0155
#1	.22746	.00163	1.8935	.00054	.00364	15.458	33.081	.00149	.51028	-.00429
#2	.23919	-.00059	1.8753	-.00356	.00879	15.668	33.529	.00118	.51357	-.00442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00490	.00096	-.02330	.00170	.00801	.00024
Stddev	.00043	.00303	.00064	.00103	.00088	.00184
%RSD	8.7632	316.38	2.7344	60.554	11.010	755.11
#1	.00459	-.00119	-.02375	.00243	.00738	-.00106
#2	.00520	.00310	-.02285	.00097	.00863	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3117.9	47782.	5199.6
Stddev	1.8	486.	48.6
%RSD	.05671	1.0178	.93498
#1	3119.1	47438.	5234.0
#2	3116.6	48126.	5165.2

Sample Name: 280-28079-c-14-e Acquired: 5/1/2012 14:05:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.08825	.05736	.03901	1.1247	.00013	-.00082	213.05	.00045	.00580
Stddev	.00007	.00163	.00162	.00038	.0065	.00002	.00078	1.23	.00024	.00025
%RSD	6.0733	1.8424	2.8328	.96715	.57969	13.838	95.615	.57541	53.908	4.3539
#1	.00112	.08940	.05621	.03875	1.1293	.00012	-.00137	213.92	.00063	.00563
#2	.00123	.08710	.05851	.03928	1.1201	.00014	-.00026	212.19	.00028	.00598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00172	.00602	152.31	6.0453	.00763	38.732	9.1231	-.00024	28.870	.00875
Stddev	.00048	.00001	.74	.1041	.00110	.009	.0690	.00047	.687	.00006
%RSD	28.110	.09267	.48771	1.7223	14.353	.02359	.75658	194.87	2.3792	.66333
#1	.00206	.00602	152.83	6.1189	.00841	38.726	9.1719	-.00057	29.355	.00871
#2	.00138	.00602	151.78	5.9717	.00686	38.739	9.0743	.00009	28.384	.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32342	.00083	.50254	.00198	.01628	15.731	33.665	.00094	.78067	-.00892
Stddev	.00113	.00163	.00695	.00195	.00191	.049	.104	.00090	.00423	.00168
%RSD	.34828	197.74	1.3835	98.142	11.716	.30974	.30974	96.618	.54215	18.826
#1	.32262	-.00033	.49763	.00061	.01493	15.766	33.739	.00157	.78366	-.01011
#2	.32421	.00198	.50746	.00336	.01763	15.697	33.591	.00030	.77768	-.00773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00270	.00161	-.04954	.00369	.00436	.00156
Stddev	.00022	.00113	.00850	.00007	.00040	.00114
%RSD	8.1086	70.107	17.163	1.9274	9.2741	73.275
#1	.00285	.00081	-.05555	.00374	.00464	.00075
#2	.00254	.00240	-.04353	.00364	.00407	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.8	46974.	5167.1
Stddev	8.6	35.	2.3
%RSD	.28082	.07455	.04501
#1	3054.8	46999.	5165.5
#2	3066.9	46949.	5168.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 14:08:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	52.157	.00021	.00352	.00062	.00014	W 1.0660	.04828	.00017	.00043	.00021	-.00231
Stddev	.00099	.021	.00000	.00057	.00033	.00004	.0040	.01489	.00006	.00010	.00010	.00019
%RSD	274.51	.04080	.43681	16.246	53.184	29.352	.37028	30.833	34.464	23.611	45.008	8.1156
#1	-.00106	52.141	.00021	.00392	.00085	.00011	1.0632	.05881	.00021	.00036	.00028	-.00245
#2	.00034	52.172	.00021	.00311	.00038	.00016	1.0688	.03776	.00013	.00050	.00015	-.00218
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.064	-.01125	.00496	-.02293	.00089	.00070	259.13	.00096	.00657	.00020	5.2046	-.00289
Stddev	.298	.00424	.00104	.00014	.00015	.00002	.63	.00001	.00101	.00168	.0089	.00114
%RSD	.57226	37.651	21.044	.62834	17.197	3.2521	.24215	1.4607	15.395	848.56	.17042	39.510
#1	51.854	-.00826	.00569	-.02303	.00099	.00068	258.69	.00097	.00729	-.00099	5.1983	-.00370
#2	52.275	-.01425	.00422	-.02283	.00078	.00071	259.58	.00095	.00586	.00139	5.2109	-.00208
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00729	.01561	.00170	.00058	5.2078	.00616	-.00037	W 10.722	-.00332	.00222	-.02729
Stddev	.00338	.01782	.03812	.00032	.00004	.0117	.00055	.00032	.011	.00012	.00051	.00028
%RSD	541.18	244.27	244.27	18.894	7.3611	.22522	8.9901	85.361	.10509	3.5156	23.212	1.0432
#1	-.00176	-.00530	-.01135	.00193	.00061	5.2161	.00655	-.00015	10.730	-.00340	.00258	-.02749
#2	.00301	.01989	.04257	.00147	.00055	5.1995	.00577	-.00059	10.714	-.00323	.00185	-.02709
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3113.9	47268.	5107.1
Stddev	6.3	209.	2.2
%RSD	.20126	.44160	.04379
#1	3118.4	47120.	5105.5
#2	3109.5	47415.	5108.7

Sample Name: CCV-1390955 Acquired: 5/1/2012 14:10:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53770	.54437	1.0705	.53043	.53394	.52281	-.00146	5.2838	.53545	.53956	.54129	.54509	2.6745
Stddev	.00375	.00212	.0063	.00036	.00127	.00070	.00252	.0026	.00012	.00121	.00056	.00188	.0041
%RSD	.69772	.38893	.59237	.06727	.23801	.13442	173.08	.04882	.02158	.22466	.10418	.34425	.15277
#1	.53505	.54587	1.0660	.53068	.53484	.52331	-.00324	5.2820	.53536	.53870	.54169	.54376	2.6774
#2	.54036	.54288	1.0750	.53017	.53305	.52232	.00033	5.2856	.53553	.54042	.54089	.54641	2.6716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.923	1.0693	21.224	.53895	.54096	5.3690	.53914	1.0493	1.0867	.00219	1.0534	1.0490	5.2880
Stddev	.179	.0033	.146	.00313	.00057	.0064	.00130	.0046	.0032	.00399	.0046	.0066	.0299
%RSD	.33867	.30623	.68797	.58071	.10460	.11962	.24190	.43786	.29208	181.89	.43905	.62937	.56612
#1	53.050	1.0716	21.121	.53674	.54056	5.3735	.54006	1.0461	1.0890	-.00063	1.0501	1.0537	5.2668
#2	52.797	1.0670	21.327	.54116	.54136	5.3645	.53822	1.0526	1.0845	.00502	1.0567	1.0443	5.3091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.316	1.0826	.52902	.00031	.53682	1.0934	.02173	.54218	.54240	.53306
Stddev	.064	.0075	.00122	.00002	.00368	.0004	.03674	.00432	.00395	.00341
%RSD	.56612	.68973	.23097	5.4098	.68616	.03876	169.05	.79600	.72801	.63965
#1	11.271	1.0773	.52989	.00029	.53422	1.0931	.04771	.53913	.53961	.53547
#2	11.362	1.0878	.52816	.00032	.53942	1.0937	-.00425	.54524	.54520	.53065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3141.7	48054.	5115.8
Stddev	8.6	392.	10.2
%RSD	.27507	.81623	.19926
#1	3135.6	48331.	5123.0
#2	3147.8	47776.	5108.6

Sample Name: CCB Acquired: 5/1/2012 14:12:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	-.00038	-.00128	.00120	.00036	.00008	-.00181	.00068	.00020	-.00004	-.00011	-.00054	-.00076
Stddev	.00023	.00030	.00171	.00058	.00041	.00008	.00007	.00129	.00010	.00009	.00005	.00038	.00111
%RSD	51.467	80.341	133.95	48.431	115.24	102.67	3.9142	188.55	48.164	231.52	43.534	71.188	146.78
#1	-.00028	-.00059	-.00248	.00161	.00007	.00014	-.00176	-.00023	.00027	-.00010	-.00014	-.00027	-.00155
#2	-.00061	-.00016	-.00007	.00079	.00065	.00002	-.00186	.00159	.00013	.00003	-.00007	-.00081	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00228	.00229	.00006	.00043	.03693	-.00040	-.00072	-.00080	-.00094	-.00157	.00187	-.01420
Stddev	.00056	.00196	.00134	.00003	.00016	.01050	.00025	.00047	.00035	.00182	.00050	.00112	.00664
%RSD	77.073	86.108	58.373	51.088	38.386	28.440	63.214	64.840	44.444	192.96	32.207	59.882	46.749
#1	.00033	.00367	.00324	.00008	.00031	.04436	-.00057	-.00039	-.00055	-.00223	-.00192	.00108	-.00951
#2	.00113	.00089	.00135	.00004	.00054	.02951	-.00022	-.00105	-.00105	.00034	-.00121	.00266	-.01890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03040	.00049	-.00001	-.00011	.00030	.00203	.01513	-.00055	.00175	-.00094
Stddev	.01421	.00025	.00002	.00163	.00004	.00038	.02570	.00005	.00002	.00226
%RSD	46.749	51.131	137.96	1419.8	14.560	18.897	169.86	8.6432	1.3487	241.06
#1	-.02035	.00031	.00000	-.00127	.00027	.00230	.03330	-.00052	.00174	-.00254
#2	-.04045	.00066	-.00002	.00104	.00033	.00176	-.00304	-.00058	.00177	.00066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3184.4	48880.	5033.3
Stddev	1.8	274.	36.1
%RSD	.05688	.56018	.71679
#1	3185.7	49073.	5058.8
#2	3183.1	48686.	5007.8

Sample Name: CCVL1390952 Acquired: 5/1/2012 14:15:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01103	.11255	F .01034	.10558	.01110	.00110	.12603	.21663	.00552	.01093	.01089	.01613	.10716
Stddev	.00014	.00050	.00006	.00013	.00004	.00002	.00007	.00162	.00019	.00006	.00012	.00046	.00077
%RSD	1.2898	.44796	.62390	.11963	.32137	1.9946	.05579	.74781	3.4772	.56743	1.1440	2.8497	.71622
#1	.01113	.11220	.01038	.10549	.01107	.00111	.12598	.21778	.00566	.01098	.01081	.01646	.10662
#2	.01092	.11291	.01029	.10567	.01112	.00108	.12608	.21549	.00539	.01089	.01098	.01581	.10770
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2852	F .01402	.22333	.01112	.02131	1.1290	.04403	3.0513	.01107	.00714	F .00572	.01756	.50906
Stddev	.0647	.00105	.00116	.00003	.00018	.0141	.00005	.0161	.00015	.00226	.00132	.00318	.00145
%RSD	1.9686	7.4957	.52019	.29135	.84172	1.2498	.11638	.52895	1.3545	31.595	23.051	18.103	.28419
#1	3.2395	.01328	.22415	.01109	.02144	1.1190	.04407	3.0399	.01117	.00874	.00665	.01981	.50804
#2	3.3310	.01476	.22251	.01114	.02119	1.1390	.04400	3.0627	.01096	.00555	.00478	.01531	.51008
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0894	.11147	.01078	.01573	.01078	.01737	F .08475	.01011	.02443	.01535
Stddev	.0031	.00141	.00013	.00030	.00019	.00047	.01331	.00023	.00054	.00029
%RSD	.28419	1.2614	1.2405	1.9064	1.7798	2.7230	15.704	2.3130	2.1935	1.8656
#1	1.0872	.11047	.01069	.01594	.01092	.01703	.07534	.01028	.02481	.01515
#2	1.0916	.11246	.01088	.01552	.01065	.01770	.09416	.00994	.02405	.01555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3251.0	50199.	5127.7
Stddev	6.5	36.	12.1
%RSD	.19851	.07232	.23597
#1	3255.5	50224.	5136.2
#2	3246.4	50173.	5119.1

Sample Name: 280-28124-g-1-a@5 Acquired: 5/1/2012 14:17:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.00002	17.706	k .00298	.02764	.06657	k .00209	k -.00294	13.278	k .00008	k .08821
Stddev	.00014	.103	.00158	.00082	.00005	.00005	.00104	.122	.00018	.00007
%RSD	790.17	.57912	52.897	2.9604	.07421	2.3802	35.380	.91649	234.61	.07578
#1	k .00008	17.779	k .00187	.02822	.06660	k .00206	k -.00368	13.364	k -.00005	k .08825
#2	k -.00012	17.634	k .00409	.02706	.06653	k .00213	k -.00221	13.192	k .00020	k .08816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02258	k .00822	k 41.483	3.6101	.00950	k 12.489	k 2.0370	k -.00014	113.94	.01420
Stddev	.00002	.00004	.287	.0309	.00224	.003	.0051	.00021	.68	.00001
%RSD	.06917	.42787	.69068	.85725	23.558	.02281	.24939	155.68	.60092	.07043
#1	.02257	k .00820	k 41.685	3.6319	.01108	k 12.487	k 2.0334	k .00001	114.42	.01421
#2	.02259	k .00825	k 41.280	3.5882	.00792	k 12.491	k 2.0406	k -.00029	113.46	.01420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40493	k .01392	k 28.159	k .00164	kF -.01149	12.168	26.039	k -.00007	.10586	k .03774
Stddev	.00038	.00056	.006	.00172	.00068	.138	.295	.00079	.00046	.00139
%RSD	.09428	4.0417	.02062	104.79	5.9298	1.1329	1.1329	1126.5	.43250	3.6740
#1	.40520	k .01352	k 28.155	k .00042	k -.01197	12.265	26.247	k .00049	.10618	k .03676
#2	.40466	k .01432	k 28.164	k .00285	k -.01101	12.070	25.830	k -.00063	.10553	k .03872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .14556	k .00559	k -.01795	k .03483	k .08032	k .00368
Stddev	.00106	.00247	.00306	.00039	.00098	.00122
%RSD	.72687	44.105	17.066	1.1208	1.2151	33.253
#1	k .14481	k .00385	k -.02012	k .03455	k .07963	k .00282
#2	k .14630	k .00734	k -.01579	k .03510	k .08101	k .00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3263.8	49379.	5281.7
Stddev	1.4	231.	42.8
%RSD	.04282	.46727	.80952
#1	3262.8	49542.	5251.5
#2	3264.8	49216.	5312.0

Sample Name: 280-28124-g-2-a@5 Acquired: 5/1/2012 14:20:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	101.05	.06837	.03109	.31027	.00799	.00522	20.905	-.00081	.35541
Stddev	.00020	.22	.00066	.00051	.00101	.00000	.00063	.025	.00001	.00082
%RSD	96.605	.21691	.96450	1.6373	.32419	.00675	12.001	.12127	1.0793	.23111
#1	-.00007	100.89	.06884	.03145	.30956	.00799	.00478	20.887	-.00080	.35599
#2	-.00036	101.20	.06790	.03073	.31098	.00799	.00567	20.923	-.00082	.35483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13171	.04629	284.78	5.6330	.04722	15.578	3.9634	.00369	108.23	.04637
Stddev	.00051	.00037	.73	.0476	.00429	.087	.0006	.00005	.29	.00062
%RSD	.39086	.80415	.25802	.84562	9.0789	.55574	.01614	1.3593	.26884	1.3397
#1	.13208	.04603	284.26	5.5993	.04419	15.516	3.9630	.00366	108.03	.04681
#2	.13135	.04656	285.30	5.6667	.05026	15.639	3.9639	.00373	108.44	.04593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 6.3446	.07221	42.105	-.00011	.02013	20.081	42.974	.00317	.14779	.01245
Stddev	.0256	.00052	.100	.00232	.00037	.130	.278	.00050	.00010	.00022
%RSD	.40381	.71869	.23708	2129.6	1.8186	.64645	.64645	15.923	.06750	1.7555
#1	6.3628	.07184	42.176	.00153	.01987	20.173	43.170	.00353	.14786	.01230
#2	6.3265	.07257	42.035	-.00175	.02039	19.989	42.778	.00281	.14772	.01261
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38149	.00165	W -.09888	.24999	.25220	.01426
Stddev	.00094	.00300	.00666	.00138	.00199	.00000
%RSD	.24546	182.55	6.7351	.55059	.79046	.01994
#1	.38083	-.00048	-.10358	.24901	.25080	.01426
#2	.38216	.00377	-.09417	.25096	.25361	.01426
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3368.1	50282.	5526.2
Stddev	.7	85.	16.2
%RSD	.02212	.16946	.29398
#1	3367.5	50343.	5537.7
#2	3368.6	50222.	5514.7

Sample Name: 280-28124-g-3-a@5 Acquired: 5/1/2012 14:22:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	5.4203	.00264	.02322	.03796	.00061	.00084	18.908	.00045	.10608
Stddev	.00010	.0201	.00295	.00008	.00059	.00011	.00373	.144	.00019	.00007
%RSD	83.170	.37118	111.62	.33213	1.5649	18.414	444.67	.76029	41.061	.06855
#1	.00005	5.4345	.00056	.02317	.03838	.00069	.00348	19.010	.00059	.10614
#2	.00019	5.4061	.00473	.02328	.03754	.00053	-.00180	18.807	.00032	.10603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00961	.00457	15.481	2.7512	.00768	17.474	2.0944	-.00026	124.90	.00930
Stddev	.00007	.00039	.160	.0155	.00160	.043	.0001	.00016	1.12	.00056
%RSD	.69422	8.4557	1.0314	.56321	20.842	.24782	.00343	63.230	.89896	5.9794
#1	.00966	.00485	15.594	2.7621	.00881	17.444	2.0944	-.00037	125.70	.00891
#2	.00956	.00430	15.368	2.7402	.00655	17.505	2.0945	-.00014	124.11	.00970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15448	.01950	31.371	-.00210	.00128	7.9199	16.949	-.00010	.15102	.00074
Stddev	.00077	.00029	.007	.00314	.00106	.0837	.179	.00127	.00146	.00104
%RSD	.49888	1.4625	.02128	149.78	83.230	1.0571	1.0571	1219.8	.96384	140.32
#1	.15503	.01929	31.376	.00012	.00203	7.9791	17.075	.00079	.15205	.00148
#2	.15394	.01970	31.366	-.00432	.00053	7.8607	16.822	-.00100	.14999	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07261	.00158	-.00795	.01408	.09093	.00065
Stddev	.00024	.00120	.00465	.00032	.00046	.00079
%RSD	.33025	76.001	58.541	2.2701	.50705	122.28
#1	.07278	.00243	-.01124	.01431	.09126	.00009
#2	.07244	.00073	-.00466	.01386	.09060	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3200.9	48465.	5172.1
Stddev	11.7	123.	44.3
%RSD	.36470	.25351	.85701
#1	3209.2	48552.	5140.7
#2	3192.7	48378.	5203.4

Sample Name: 280-28124-g-4-a@5 Acquired: 5/1/2012 14:24:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00040	84.583	.03665	.02993	.37055	.00737	.00401	24.410	-.00036	.20662
Stddev	.00011	.115	.00236	.00029	.00003	.00008	.00614	.043	.00003	.00023
%RSD	27.870	.13609	6.4298	.96411	.00687	1.0432	153.15	.17775	8.3007	.10997
#1	-.00032	84.664	.03498	.02973	.37053	.00743	.00835	24.441	-.00038	.20678
#2	-.00048	84.502	.03832	.03013	.37057	.00732	-.00033	24.380	-.00034	.20646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11520	.06692	198.17	4.8383	.04174	22.343	2.7316	.00209	159.36	.03716
Stddev	.00022	.00036	.05	.0432	.00022	.061	.0084	.00020	.18	.00007
%RSD	.19374	.53935	.02412	.89316	.51888	.27121	.30713	9.5512	.11437	.17929
#1	.11505	.06667	198.21	4.8688	.04159	22.300	2.7256	.00195	159.49	.03712
#2	.11536	.06718	198.14	4.8077	.04190	22.385	2.7375	.00223	159.23	.03721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1846	.15823	58.582	-.00183	.01048	13.348	28.564	.00362	.16922	.01064
Stddev	.0002	.00110	.185	.00224	.00163	.138	.295	.00127	.00021	.00108
%RSD	.00989	.69769	.31586	122.01	15.566	1.0323	1.0323	34.989	.12337	10.104
#1	2.1844	.15745	58.451	-.00025	.00932	13.445	28.773	.00273	.16937	.01140
#2	2.1847	.15901	58.713	-.00341	.01163	13.250	28.356	.00452	.16907	.00988
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26639	-.00006	-.04630	.17550	.39153	.01461
Stddev	.00013	.00024	.03287	.00086	.00069	.00110
%RSD	.04898	399.78	70.992	.48828	.17709	7.5281
#1	.26630	.00011	-.06954	.17490	.39104	.01383
#2	.26648	-.00023	-.02306	.17611	.39202	.01539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3298.2	49528.	5448.7
Stddev	1.6	266.	11.1
%RSD	.04706	.53738	.20378
#1	3297.1	49716.	5440.9
#2	3299.3	49340.	5456.6

Sample Name: 280-28124-g-4-aSD@25 Acquired: 5/1/2012 14:26:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.00009	17.804	k .00698	.00635	.07790	k .00158	k .00144	5.1519	k .00013	k .04476
Stddev	.00008	.313	.01036	.00010	.00067	.00002	.00096	.0709	.00011	.00034
%RSD	89.451	1.7563	148.51	1.6295	.85365	1.5040	66.230	1.3765	88.953	.76365
#1	-.00015	17.583	.01430	.00643	.07743	.00160	.00077	5.1018	.00021	.04451
#2	k -.00003	18.026	k -.00035	.00628	.07837	k .00156	k .00212	5.2021	k .00005	k .04500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02449	k .01388	k 41.554	1.0359	.01120	k 4.8572	k .57843	k .00027	33.640	.00802
Stddev	.00010	.00011	.664	.0302	.00109	.0149	.00195	.00025	.661	.00021
%RSD	.39116	.79396	1.5986	2.9111	9.6889	.30745	.33716	92.485	1.9655	2.6544
#1	.02442	.01380	41.084	1.0146	.01197	4.8467	.57705	.00045	33.173	.00817
#2	.02456	k .01396	k 42.023	1.0572	.01043	k 4.8678	k .57981	k .00009	34.108	.00787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45174	k .03697	k 12.217	k -.00220	k -.00486	2.7993	5.9905	k .00157	.03538	k .02190
Stddev	.00383	.00043	.032	.00134	.01398	.0651	.1392	.00207	.00073	.02325
%RSD	.84771	1.1597	.26178	61.093	287.69	2.3244	2.3244	132.07	2.0530	106.14
#1	.45445	.03727	12.194	-.00125	.00502	2.7533	5.8921	.00303	.03487	.00546
#2	.44903	k .03666	k 12.239	k -.00315	k -.01474	2.8453	6.0890	k .00010	.03590	k .03834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .05555	k .00113	k -.00140	k .03576	k .08629	k .00225
Stddev	.00093	.00066	.00728	.00080	.00075	.00058
%RSD	1.6746	58.109	519.83	2.2382	.86839	25.699
#1	.05489	.00067	-.00655	.03633	.08576	.00265
#2	k .05621	k .00160	k .00375	k .03520	k .08682	k .00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3244.8	48989.	5169.7
Stddev	6.9	276.	40.9
%RSD	.21399	.56352	.79149
#1	3249.7	49184.	5198.6
#2	3239.9	48793.	5140.7

Sample Name: 280-28124-g-4-b ms@5 Acquired: 5/1/2012 14:29:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01015	100.64	.22845	.19226	.75671	.01674	F .40608	33.024	.01928	.29688
Stddev	.00032	.60	.00596	.00203	.00485	.00021	.00299	.321	.00000	.00005
%RSD	3.1146	.59302	2.6088	1.0537	.64084	1.2703	.73532	.97227	.00374	.01597
#1	.00992	101.07	.23266	.19370	.76014	.01689	.40819	33.251	.01928	.29685
#2	.01037	100.22	.22423	.19083	.75328	.01659	.40397	32.797	.01928	.29692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16187	.11880	193.98	14.709	.25206	31.702	2.7618	.17528	163.38	.13664
Stddev	.00013	.00281	1.44	.093	.00196	.398	.0364	.00083	1.18	.00053
%RSD	.07810	2.3641	.74480	.63502	.77796	1.2560	1.3171	.47113	.72263	.38767
#1	.16195	.11681	195.00	14.775	.25345	31.420	2.7361	.17586	164.21	.13701
#2	.16178	.12078	192.96	14.643	.25068	31.984	2.7875	.17469	162.54	.13626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.0170	.25201	56.993	.01828	.38963	10.400	22.255	.35624	.36293	.21161
Stddev	.0133	.00108	.145	.00278	.00336	.135	.289	.00346	.00261	.00634
%RSD	.33211	.43046	.25416	15.204	.86299	1.3007	1.3007	.97199	.72003	2.9949
#1	4.0264	.25278	57.095	.01631	.39201	10.495	22.460	.35868	.36478	.20713
#2	4.0076	.25124	56.890	.02024	.38725	10.304	22.050	.35379	.36108	.21609
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35008	.36329	.35041	.28178	.51370	.06957
Stddev	.00321	.00061	.04024	.00317	.01200	.00097
%RSD	.91573	.16926	11.483	1.1246	2.3358	1.3987
#1	.34781	.36286	.32196	.27954	.50521	.06888
#2	.35234	.36373	.37887	.28402	.52218	.07026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3283.8	48828.	5440.5
Stddev	5.3	387.	72.9
%RSD	.16064	.79259	1.3400
#1	3287.6	49101.	5388.9
#2	3280.1	48554.	5492.0

Sample Name: 280-28124-g-4-cmsd@5 Acquired: 5/1/2012 14:31:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00995	108.79	.24186	.19735	.78357	.01740	F .42254	34.419	.01970	.30893
Stddev	.00024	.89	.00325	.00018	.00682	.00011	.00135	.278	.00032	.00116
%RSD	2.3616	.81434	1.3455	.09250	.86981	.61248	.31899	.80731	1.5989	.37628
#1	.00979	108.16	.23956	.19722	.77875	.01732	.42159	34.223	.01992	.30811
#2	.01012	109.41	.24417	.19748	.78839	.01748	.42349	34.616	.01948	.30976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17183	.12483	201.83	15.384	.26562	33.305	2.8825	.18799	170.04	.14387
Stddev	.00082	.00058	1.52	.175	.00392	.098	.0071	.00013	1.32	.00087
%RSD	.47529	.46759	.75156	1.1398	1.4751	.29310	.24703	.07094	.77868	.60689
#1	.17126	.12441	200.76	15.260	.26285	33.236	2.8774	.18790	169.10	.14325
#2	.17241	.12524	202.91	15.508	.26839	33.374	2.8875	.18809	170.98	.14448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.1780	.26369	59.309	.02356	.40351	8.4578	18.100	.36887	.37806	.22105
Stddev	.0267	.00012	.160	.00142	.00285	.0459	.098	.00130	.00284	.00059
%RSD	.64002	.04661	.27027	6.0369	.70691	.54251	.54251	.35172	.75227	.26480
#1	4.1591	.26378	59.195	.02256	.40149	8.4253	18.030	.36979	.37605	.22064
#2	4.1969	.26361	59.422	.02457	.40552	8.4902	18.169	.36795	.38007	.22146
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38233	.37819	.36520	.29827	.54264	.07480
Stddev	.00120	.00136	.02182	.00021	.00224	.00043
%RSD	.31394	.35857	5.9743	.06974	.41200	.58016
#1	.38148	.37915	.34977	.29812	.54106	.07449
#2	.38318	.37723	.38063	.29842	.54423	.07511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3262.1	48388.	5384.3
Stddev	8.8	34.	20.0
%RSD	.26843	.06946	.37087
#1	3268.3	48364.	5370.2
#2	3255.9	48412.	5398.4

Sample Name: 280-28124-g-4-aPDS@5 Acquired: 5/1/2012 14:33:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04809	82.827	.22793	.12075	.45179	.05281	-.00140	42.199	.04711	.24359
Stddev	.00037	.226	.00182	.00005	.00142	.00002	.00111	.163	.00022	.00051
%RSD	.77309	.27240	.79935	.04235	.31399	.03262	79.136	.38527	.47617	.21119
#1	.04835	82.987	.22922	.12079	.45279	.05280	-.00062	42.314	.04695	.24322
#2	.04783	82.668	.22664	.12071	.45078	.05282	-.00218	42.084	.04727	.24395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15710	.11321	192.02	23.897	.13484	40.098	2.6859	.05009	172.92	.08149
Stddev	.00044	.00127	.87	.052	.00181	.246	.0193	.00032	.88	.00014
%RSD	.27965	1.1256	.45320	.21777	1.3442	.61455	.71672	.63955	.50649	.17338
#1	.15741	.11411	192.64	23.933	.13612	40.273	2.6995	.05032	173.54	.08159
#2	.15679	.11231	191.41	23.860	.13356	39.924	2.6723	.04986	172.31	.08139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.9395	.24160	56.853	.09333	.20233	18.019	38.560	.09676	.21160	.20468
Stddev	.0156	.00160	.122	.00307	.00992	.142	.305	.00077	.00040	.00306
%RSD	.39641	.66422	.21482	3.2861	4.9028	.79007	.79007	.79343	.18852	1.4962
#1	3.9284	.24273	56.767	.09116	.19532	18.119	38.775	.09730	.21189	.20685
#2	3.9505	.24047	56.939	.09550	.20935	17.918	38.344	.09621	.21132	.20252
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30925	.17830	.45947	.21912	.57258	.06146
Stddev	.00163	.00134	.01564	.00102	.00143	.00149
%RSD	.52693	.74934	3.4031	.46684	.25040	2.4249
#1	.31040	.17736	.47052	.21984	.57360	.06252
#2	.30810	.17925	.44841	.21840	.57157	.06041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3301.4	49137.	5419.7
Stddev	1.1	304.	2.9
%RSD	.03196	.61769	.05291
#1	3300.7	48922.	5417.7
#2	3302.2	49351.	5421.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 14:36:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00068	51.962	.00017	.00209	.00107	-.00001	1.0425	.01961	.00005	.00048	.00032	-.00168
Stddev	.00011	.289	.00727	.00133	.00009	.00004	.0022	.00245	.00004	.00012	.00020	.00039
%RSD	16.681	.55544	4207.9	63.633	8.8842	324.42	.20654	12.472	81.091	25.332	63.765	23.426
#1	-.00076	52.166	-.00497	.00115	.00114	.00002	1.0440	.02134	.00008	.00057	.00018	-.00196
#2	-.00060	51.758	.00532	.00303	.00100	-.00004	1.0410	.01788	.00002	.00039	.00046	-.00140
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.467	.04850	.00168	-.01809	.00408	.00089	257.14	.00174	.00333	.00007	5.1089	-.00137
Stddev	.355	.05976	.00047	.00095	.00006	.00095	1.11	.00052	.00423	.00189	.0036	.00065
%RSD	.67640	123.22	27.786	5.2353	1.4748	107.67	.43344	29.758	126.74	2687.9	.07134	47.915
#1	52.718	.09075	.00135	-.01742	.00413	.00156	257.93	.00137	.00035	.00140	5.1063	-.00090
#2	52.216	.00624	.00201	-.01876	.00404	.00021	256.35	.00211	.00632	-.00126	5.1115	-.00183
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00932	.03475	.07436	.00172	.00043	5.1908	.00666	.00265	W 10.648	-.00279	.00223	-.03242
Stddev	.00297	.02602	.05567	.00044	.00008	.0222	.00034	.00148	.074	.00020	.00028	.00343
%RSD	31.889	74.869	74.869	25.829	17.775	.42714	5.0499	56.000	.69505	6.9912	12.603	10.573
#1	.01143	.01635	.03499	.00141	.00049	5.2064	.00690	.00370	10.701	-.00293	.00243	-.03484
#2	.00722	.05314	.11373	.00203	.00038	5.1751	.00642	.00160	10.596	-.00265	.00203	-.02999
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3110.9	46567.	4975.9
Stddev	3.5	212.	22.7
%RSD	.11245	.45592	.45608
#1	3113.4	46416.	4959.9
#2	3108.5	46717.	4992.0

Sample Name: CCV-1390955 Acquired: 5/1/2012 14:38:23 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52558	.53103	1.0491	.51520	.52430	.51209	-.00323	5.1845	.52400	.52843	.53010	.53424	2.6249
Stddev	.00313	.00106	.0037	.00029	.00280	.00441	.00102	.0551	.00158	.00087	.00003	.00194	.0083
%RSD	.59555	.19994	.35566	.05566	.53408	.86108	31.540	1.0636	.30062	.16553	.00531	.36299	.31479
#1	.52337	.53028	1.0517	.51500	.52232	.50897	-.00394	5.1455	.52511	.52781	.53012	.53287	2.6190
#2	.52780	.53178	1.0464	.51541	.52628	.51520	-.00251	5.2235	.52288	.52904	.53008	.53561	2.6307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.979	1.0488	20.970	.53167	.52911	5.2546	.52790	1.0147	1.0633	.00954	1.0291	1.0347	5.1801
Stddev	.304	.0078	.103	.00139	.00042	.0367	.00046	.0010	.0041	.00783	.0042	.0018	.0716
%RSD	.58527	.74820	.49274	.26092	.08030	.69925	.08702	.09561	.38756	82.064	.40796	.17367	1.3826
#1	51.764	1.0433	20.896	.53069	.52881	5.2287	.52823	1.0141	1.0604	.01508	1.0320	1.0335	5.1295
#2	52.194	1.0543	21.043	.53265	.52941	5.2806	.52758	1.0154	1.0663	.00400	1.0261	1.0360	5.2308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.085	1.0580	.52062	.00073	.52753	1.0713	.00392	.53375	.54115	.52533
Stddev	.153	.0025	.00296	.00063	.00187	.0088	.01671	.00194	.00058	.00257
%RSD	1.3826	.23974	.56882	86.880	.35430	.82005	425.75	.36393	.10731	.48966
#1	10.977	1.0562	.51852	.00118	.52621	1.0775	-.00789	.53238	.54156	.52351
#2	11.194	1.0598	.52271	.00028	.52885	1.0651	.01574	.53513	.54074	.52715
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3144.6	47411.	5027.9
Stddev	1.7	116.	11.2
%RSD	.05364	.24478	.22359
#1	3145.8	47329.	5019.9
#2	3143.4	47493.	5035.8

Sample Name: CCB Acquired: 5/1/2012 14:40:36 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00017	-.00240	.00049	.00026	.00012	-.00250	.00130	.00017	-.00032	-.00009	-.00092	-.00033
Stddev	.00028	.00005	.00346	.00063	.00009	.00005	.00113	.00139	.00010	.00007	.00003	.00016	.00001
%RSD	95.150	29.678	144.12	129.48	36.671	42.072	45.183	106.59	57.431	22.504	35.421	17.935	3.9184
#1	.00010	-.00021	-.00485	.00093	.00019	.00016	-.00330	.00032	.00010	-.00027	-.00007	-.00103	-.00034
#2	.00049	-.00014	.00005	.00004	.00033	.00009	-.00170	.00228	.00025	-.00037	-.00012	-.00080	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05899	.00207	.00111	.00005	.00061	.05175	-.00004	-.00071	-.00088	.00413	-.00177	.00329	-.01048
Stddev	.00108	.00064	.00222	.00002	.00061	.02373	.00019	.00164	.00076	.00268	.00016	.00369	.00103
%RSD	1.8244	30.816	200.54	35.848	100.26	45.848	426.49	230.39	86.198	64.914	8.9046	111.85	9.8608
#1	.05823	.00252	-.00046	.00004	.00018	.06853	.00009	-.00187	-.00142	.00603	-.00166	.00069	-.01121
#2	.05975	.00162	.00267	.00007	.00104	.03497	-.00018	.00045	-.00035	.00224	-.00189	.00590	-.00975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.02243	.00140	.00003	-.00032	.00017	.00020	.01626	-.00035	.00161	.00134
Stddev	.00221	.00044	.00007	.00028	.00004	.00027	.00764	.00007	.00076	.00274
%RSD	9.8608	31.281	235.90	85.884	24.548	133.53	47.016	20.221	46.825	203.54
#1	-.02399	.00109	.00007	-.00052	.00020	.00001	.01085	-.00030	.00108	-.00059
#2	-.02086	.00171	-.00002	-.00013	.00014	.00040	.02167	-.00040	.00215	.00328
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3186.1	48716.	4961.7
Stddev	9.9	406.	22.5
%RSD	.31070	.83419	.45261
#1	3179.1	48428.	4945.8
#2	3193.1	49003.	4977.6

Sample Name: CCVL1390952 Acquired: 5/1/2012 14:43:01 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01109	.11089	.01507	.10282	.01061	.00116	.12063	.21557	.00538	.01089	.01068	.01567	.10941
Stddev	.00058	.00035	.00210	.00005	.00026	.00013	.00112	.00185	.00002	.00008	.00031	.00005	.00039
%RSD	5.2577	.31520	13.962	.04438	2.4764	10.882	.92476	.85999	.42911	.73457	2.8836	.32308	.35274
#1	.01068	.11065	.01656	.10278	.01079	.00107	.11984	.21689	.00540	.01095	.01090	.01564	.10914
#2	.01151	.11114	.01359	.10285	.01042	.00125	.12142	.21426	.00537	.01084	.01047	.01571	.10969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2646	.01139	.22237	.01119	.02080	1.1424	.04395	3.0021	.01122	-.00004	.00948	.01425	.52880
Stddev	.0334	.00088	.00103	.00003	.00028	.0031	.00014	.0009	.00054	.00397	.00085	.00349	.01863
%RSD	1.0226	7.6919	.46417	.29316	1.3393	.27312	.32974	.02876	4.7896	9929.4	9.0124	24.485	3.5235
#1	3.2882	.01200	.22164	.01116	.02100	1.1402	.04384	3.0027	.01160	-.00284	.00887	.01178	.51563
#2	3.2410	.01077	.22310	.01121	.02061	1.1446	.04405	3.0015	.01084	.00276	.01008	.01671	.54198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1316	.10843	.01067	.01634	.01063	.01872	F .09671	.01016	.02496	.01626
Stddev	.0399	.00018	.00010	.00169	.00022	.00001	.01478	.00019	.00004	.00069
%RSD	3.5235	.16597	.92514	10.317	2.0559	.04419	15.283	1.8549	.14781	4.2571
#1	1.1034	.10830	.01074	.01753	.01047	.01873	.08625	.01029	.02493	.01675
#2	1.1598	.10856	.01060	.01514	.01078	.01871	.10716	.01003	.02499	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3262.2	50018.	5112.2
Stddev	6.0	116.	39.2
%RSD	.18428	.23180	.76680
#1	3266.4	49936.	5084.5
#2	3257.9	50100.	5139.9

Sample Name: 280-28124-g-1-a Acquired: 5/1/2012 14:45:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00071	80.732	.03291	.11624	.30238	.00951	-.00476	60.042	.00068	.38664
Stddev	.00020	.540	.00213	.00103	.00225	.00002	.00143	.521	.00014	.00103
%RSD	28.432	.66907	6.4629	.88257	.74507	.19037	30.117	.86708	21.000	.26742
#1	-.00085	81.114	.03141	.11697	.30398	.00950	-.00578	60.410	.00058	.38738
#2	-.00056	80.350	.03442	.11552	.30079	.00953	-.00375	59.674	.00078	.38591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10173	.03913	187.14	16.900	.04205	56.193	9.1032	.00131	W 514.71	.06293
Stddev	.00031	.00013	1.63	.122	.00155	.021	.0027	.00026	2.32	.00010
%RSD	.30270	.32585	.87145	.72168	3.6784	.03663	.02955	20.133	.45025	.15970
#1	.10195	.03922	188.29	16.986	.04095	56.178	9.1013	.00112	516.35	.06300
#2	.10151	.03904	185.98	16.814	.04314	56.207	9.1051	.00150	513.07	.06286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8389	.06276	128.05	.00054	.01065	W 56.417	120.73	.00461	.48025	.01364
Stddev	.0032	.00055	.48	.00019	.00730	.757	1.62	.00080	.00269	.00093
%RSD	.17135	.88276	.37581	34.991	68.574	1.3412	1.3412	17.437	.55976	6.8350
#1	1.8411	.06237	128.39	.00040	.00548	56.952	121.88	.00405	.48215	.01430
#2	1.8367	.06315	127.71	.00067	.01581	55.882	119.59	.00518	.47835	.01299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.67292	-.00057	F -.16089	.17286	.34400	.02287
Stddev	.00157	.00031	.01056	.00044	.00024	.00170
%RSD	.23313	53.438	6.5662	.25359	.06863	7.4411
#1	.67403	-.00079	-.16836	.17255	.34383	.02167
#2	.67181	-.00036	-.15342	.17317	.34417	.02408
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3446.8	50963.	5880.5
Stddev	12.6	37.	76.6
%RSD	.36586	.07165	1.3023
#1	3437.9	50937.	5826.4
#2	3455.8	50989.	5934.7

Sample Name: 280-28124-g-2-a Acquired: 5/1/2012 14:47:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00104	380.63	.26875	.10300	1.1627	.02952	.01138	76.484	-.00384	W 1.2616
Stddev	.00034	.16	.00242	.00071	.0018	.00025	.00283	.037	.00007	.0006
%RSD	32.224	.04296	.89898	.69003	.15367	.85959	24.842	.04879	1.9490	.04588
#1	-.00128	380.52	.27046	.10249	1.1615	.02970	.01338	76.511	-.00389	1.2620
#2	-.00080	380.75	.26704	.10350	1.1640	.02934	.00938	76.458	-.00379	1.2612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										1.0000
Low Limit										-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48444	.17716	W 1031.0	21.741	.17353	56.077	W 13.943	.01525	403.55	.16413
Stddev	.00009	.00037	.2	.059	.00079	.033	.063	.00054	.81	.00065
%RSD	.01822	.20644	.01930	.27143	.45720	.05821	.45131	3.5635	.20123	.39316
#1	.48438	.17742	1030.9	21.700	.17409	56.101	13.898	.01563	402.98	.16368
#2	.48450	.17690	1031.1	21.783	.17297	56.054	13.987	.01486	404.13	.16459
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 23.109	.25780	155.44	.00463	.05183	W 76.950	164.67	.01231	.55480	.04176
Stddev	.048	.00063	.05	.00199	.00600	.677	1.45	.00224	.00001	.00258
%RSD	.20597	.24624	.03260	42.958	11.572	.87962	.87962	18.173	.00106	6.1855
#1	23.075	.25736	155.41	.00603	.04759	77.428	165.70	.01389	.55479	.04359
#2	23.143	.25825	155.48	.00322	.05607	76.471	163.65	.01073	.55480	.03994
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4282	-.00086	F -.27936	.93833	.90435	.05340
Stddev	.0007	.00236	.04090	.00071	.00218	.00130
%RSD	.04610	273.71	14.641	.07525	.24058	2.4340
#1	1.4286	-.00253	-.30828	.93783	.90588	.05432
#2	1.4277	.00081	-.25044	.93883	.90281	.05248
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4062.6	60182.	7240.9
Stddev	14.8	106.	10.5
%RSD	.36401	.17645	.14437
#1	4052.1	60107.	7233.5
#2	4073.1	60257.	7248.3

Sample Name: 280-28124-g-3-a Acquired: 5/1/2012 14:50:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	25.267	.00779	.10374	.17644	.00233	-.00601	86.837	.00099	.48134
Stddev	.00032	.056	.00042	.00021	.00090	.00006	.00494	.378	.00006	.00355
%RSD	244.13	.22261	5.3717	.19980	.51192	2.6382	82.190	.43559	6.0580	.73659
#1	-.00010	25.227	.00809	.10389	.17580	.00238	-.00252	86.569	.00104	.47883
#2	.00036	25.307	.00749	.10359	.17708	.00229	-.00950	87.104	.00095	.48385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04378	.02010	72.501	12.786	.02017	80.155	9.4284	.00094	W 574.26	.04286
Stddev	.00024	.00012	.528	.079	.00099	.125	.0299	.00026	2.01	.00038
%RSD	.55813	.59549	.72759	.61929	4.9149	.15640	.31746	27.343	.34972	.88663
#1	.04395	.02019	72.128	12.730	.01947	80.244	9.4496	.00076	572.84	.04259
#2	.04361	.02002	72.874	12.842	.02087	80.067	9.4072	.00112	575.68	.04313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.72705	.08427	148.59	.00033	.00740	36.894	78.952	.00163	.69710	.00507
Stddev	.00884	.00199	1.10	.00008	.00485	.358	.765	.00056	.00296	.00035
%RSD	1.2164	2.3616	.74083	24.331	65.472	.96910	.96910	34.543	.42513	6.8065
#1	.72080	.08286	147.81	.00028	.00397	36.641	78.411	.00203	.69501	.00531
#2	.73331	.08567	149.36	.00039	.01083	37.146	79.493	.00123	.69920	.00482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.33903	.00105	W -.09822	.06522	.40008	.01017
Stddev	.00085	.00163	.01894	.00035	.00055	.00074
%RSD	.24930	154.86	19.287	.52949	.13768	7.2351
#1	.33963	.00220	-.11161	.06547	.39969	.00965
#2	.33843	-.00010	-.08482	.06498	.40047	.01069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3168.9	47758.	5472.2
Stddev	15.1	13.	19.1
%RSD	.47610	.02746	.34950
#1	3179.5	47767.	5485.7
#2	3158.2	47748.	5458.7

Sample Name: 280-28124-g-4-a Acquired: 5/1/2012 14:52:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00126	326.95	.14851	.10244	1.4161	.02737	.01146	91.416	-.00147	.75187
Stddev	.00066	1.04	.00899	.00084	.0022	.00003	.00114	.316	.00023	.00009
%RSD	52.189	.31729	6.0529	.82173	.15639	.10977	9.9292	.34613	15.511	.01157
#1	-.00173	326.22	.14215	.10184	1.4145	.02739	.01066	91.192	-.00131	.75181
#2	-.00080	327.69	.15486	.10303	1.4176	.02735	.01227	91.639	-.00163	.75194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.43327	.25973	W 734.28	19.157	.15501	83.237	W 10.030	.00922	W 606.52	.13719
Stddev	.00121	.00026	1.65	.011	.00145	.101	.031	.00045	.49	.00051
%RSD	.28003	.10094	.22476	.05562	.93370	.12192	.31185	4.8385	.08135	.37351
#1	.43413	.25991	733.11	19.149	.15399	83.308	10.052	.00890	606.18	.13756
#2	.43242	.25954	735.45	19.164	.15604	83.165	10.008	.00953	606.87	.13683
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 8.2708	.56640	F 221.08	-.00060	.04246	41.283	88.346	.01296	.64548	.04601
Stddev	.0014	.00211	.17	.00032	.00712	.119	.255	.00082	.00111	.00113
%RSD	.01708	.37308	.07557	53.373	16.758	.28883	.28883	6.3398	.17139	2.4649
#1	8.2718	.56491	220.97	-.00038	.04749	41.199	88.165	.01355	.64470	.04681
#2	8.2698	.56789	221.20	-.00083	.03743	41.367	88.526	.01238	.64627	.04520
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0265	-.00401	F -.20206	.67696	1.4659	.05944
Stddev	.0041	.00421	.00303	.00182	.0026	.00168
%RSD	.40085	104.92	1.5014	.26923	.17865	2.8208
#1	1.0294	-.00104	-.19991	.67825	1.4640	.06063
#2	1.0235	-.00699	-.20420	.67567	1.4677	.05825
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3775.6	55756.	6639.6
Stddev	11.5	124.	5.6
%RSD	.30373	.22282	.08434
#1	3767.5	55844.	6643.6
#2	3783.7	55668.	6635.7

Sample Name: 280-28124-g-4-aSD@5 Acquired: 5/1/2012 14:55:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	84.356	.03701	.02958	.36817	.00724	.00481	24.272	-.00017	.20695
Stddev	.00046	.113	.00498	.00073	.00113	.00017	.00580	.019	.00012	.00095
%RSD	258.16	.13444	13.445	2.4686	.30566	2.3155	120.54	.07997	69.631	.45735
#1	-.00050	84.276	.03350	.03010	.36737	.00712	.00891	24.258	-.00025	.20628
#2	.00015	84.436	.04053	.02906	.36896	.00736	.00071	24.286	-.00008	.20762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11499	.06648	197.39	4.8933	.03931	22.363	2.7341	.00197	157.96	.03753
Stddev	.00065	.00034	.25	.0263	.00037	.072	.0101	.00059	.98	.00013
%RSD	.56194	.51792	.12776	.53814	.93622	.31988	.36861	30.102	.62004	.33883
#1	.11453	.06673	197.21	4.9119	.03957	22.414	2.7412	.00239	157.27	.03762
#2	.11544	.06624	197.57	4.8746	.03905	22.313	2.7270	.00155	158.66	.03744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1710	.15728	58.395	-.00009	.01639	13.596	29.095	.00315	.16771	.01290
Stddev	.0019	.00142	.064	.00020	.00114	.051	.109	.00049	.00027	.00288
%RSD	.08780	.90496	.10935	220.71	6.9637	.37522	.37522	15.435	.16106	22.331
#1	2.1696	.15627	58.350	.00005	.01720	13.560	29.018	.00281	.16752	.01494
#2	2.1723	.15829	58.440	-.00023	.01559	13.632	29.172	.00350	.16790	.01087
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27034	.00139	W -.07200	.17703	.40204	.01389
Stddev	.00126	.00212	.02395	.00022	.00054	.00177
%RSD	.46423	152.68	33.271	.12510	.13498	12.765
#1	.27123	-.00011	-.08893	.17719	.40243	.01264
#2	.26946	.00288	-.05506	.17688	.40166	.01515
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3317.7	49466.	5414.0
Stddev	1.2	82.	8.9
%RSD	.03680	.16609	.16455
#1	3316.9	49408.	5420.3
#2	3318.6	49524.	5407.7

Sample Name: 280-28124-g-4-b ms Acquired: 5/1/2012 14:57:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04152	424.63	.94040	.70080	3.0501	.06656	F 1.5835	130.15	.07696	W 1.1105
Stddev	.00014	2.00	.00483	.00033	.0158	.00066	.0089	.82	.00041	.0010
%RSD	.34517	.47119	.51386	.04677	.51639	.98753	.56098	.62663	.52831	.09012
#1	.04141	426.04	.94382	.70103	3.0613	.06703	1.5897	130.73	.07724	1.1112
#2	.04162	423.22	.93699	.70057	3.0390	.06610	1.5772	129.58	.07667	1.1098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn
High Limit							.10000			1.0000
Low Limit							-.10000			-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.63927	.48666	W 751.15	60.904	1.0498	123.99	W 10.427	.69959	W 660.25	.51634
Stddev	.00093	.00383	3.31	.148	.0069	.18	.030	.00088	3.88	.00023
%RSD	.14522	.78797	.44117	.24266	.66007	.14858	.28621	.12644	.58700	.04531
#1	.63993	.48395	753.49	61.008	1.0547	123.86	10.406	.70022	662.99	.51650
#2	.63862	.48937	748.81	60.799	1.0449	124.12	10.448	.69897	657.51	.51617
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.648	.92255	F 224.38	.09654	1.5422	33.559	71.816	1.3049	1.4760	.83947
Stddev	.017	.00053	.27	.00221	.0015	.374	.801	.0022	.0073	.00523
%RSD	.10739	.05746	.11937	2.2896	.09704	1.1152	1.1152	.16628	.49718	.62320
#1	15.660	.92293	224.57	.09498	1.5411	33.824	72.382	1.3033	1.4812	.83577
#2	15.636	.92218	224.19	.09811	1.5432	33.294	71.250	1.3064	1.4708	.84317
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4556	1.2544	1.4421	1.1380	1.9568	.30732
Stddev	.0037	.0019	.0226	.0020	.0027	.00127
%RSD	.25452	.14912	1.5645	.17198	.13805	.41289
#1	1.4529	1.2531	1.4580	1.1366	1.9549	.30822
#2	1.4582	1.2558	1.4261	1.1394	1.9587	.30643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3770.5	55307.	6707.7
Stddev	5.2	86.	58.3
%RSD	.13745	.15583	.86933
#1	3766.9	55246.	6748.9
#2	3774.2	55368.	6666.4

Sample Name: 280-28124-g-4-c msd Acquired: 5/1/2012 15:00:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04212	406.68	.93838	.71527	3.0396	.06605	F 1.6026	129.40	.07790	W 1.1216
Stddev	.00020	2.95	.00331	.00278	.0166	.00014	.0107	.69	.00028	.0038
%RSD	.47611	.72590	.35307	.38873	.54547	.20481	.66613	.53153	.35927	.34048
#1	.04227	404.59	.93604	.71724	3.0278	.06596	1.6101	128.91	.07810	1.1243
#2	.04198	408.77	.94072	.71331	3.0513	.06615	1.5950	129.89	.07770	1.1189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn
High Limit							.10000			1.0000
Low Limit							-.10000			-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.63292	.48338	W 744.52	59.818	1.0230	123.29	W 10.463	.68972	W 653.66	.51667
Stddev	.00251	.00118	4.36	.340	.0028	.84	.059	.00269	4.22	.00155
%RSD	.39720	.24354	.58574	.56775	.27777	.67988	.56112	.38975	.64601	.30080
#1	.63469	.48421	741.44	59.578	1.0210	123.88	10.505	.69162	650.68	.51777
#2	.63114	.48254	747.61	60.058	1.0250	122.69	10.422	.68782	656.65	.51557
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.837	.93206	F 225.93	.08069	1.5362	42.297	90.515	1.3322	1.4604	.84645
Stddev	.078	.00175	.89	.00066	.0091	.117	.250	.0025	.0083	.01078
%RSD	.49072	.18780	.39231	.81824	.58904	.27594	.27594	.18600	.56934	1.2737
#1	15.892	.93329	226.56	.08116	1.5298	42.214	90.339	1.3339	1.4545	.85407
#2	15.782	.93082	225.30	.08023	1.5426	42.379	90.692	1.3304	1.4663	.83883
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3906	1.2686	1.4149	1.1244	1.9415	.28056
Stddev	.0083	.0075	.0145	.0073	.0147	.00122
%RSD	.59427	.59342	1.0233	.65117	.75560	.43657
#1	1.3964	1.2739	1.4251	1.1296	1.9519	.27969
#2	1.3847	1.2633	1.4047	1.1192	1.9311	.28142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3758.9	55797.	6808.2
Stddev	7.1	218.	91.2
%RSD	.18987	.39000	1.3401
#1	3753.8	55643.	6872.7
#2	3763.9	55951.	6743.7

Sample Name: 280-28124-g-4-aPDS Acquired: 5/1/2012 15:02:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04148	329.23	.31383	.17676	1.5122	.06529	.00856	107.38	.03822	.79664
Stddev	.00018	3.65	.00588	.00000	.0172	.00053	.00133	1.20	.00003	.00142
%RSD	.42870	1.1071	1.8730	.00235	1.1364	.81722	15.544	1.1192	.07727	.17871
#1	.04161	326.66	.30967	.17676	1.5001	.06492	.00762	106.53	.03820	.79764
#2	.04135	331.81	.31799	.17677	1.5244	.06567	.00951	108.23	.03824	.79563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47573	.30551	W 740.22	35.296	.23479	98.804	W 10.084	.04871	W 630.33	.17338
Stddev	.00081	.00092	7.48	.390	.00210	.483	.099	.00023	6.38	.00045
%RSD	.16944	.30132	1.0100	1.1039	.89420	.48898	.98379	.47027	1.0115	.26184
#1	.47630	.30617	734.93	35.020	.23330	99.146	10.154	.04887	625.82	.17370
#2	.47516	.30486	745.51	35.571	.23627	98.463	10.013	.04855	634.84	.17306
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.8997	.64288	F 226.76	.07958	.19512	W 56.235	120.34	.08560	.69468	.20554
Stddev	.0017	.00036	.35	.00073	.00562	.599	1.28	.00325	.00717	.01574
%RSD	.01714	.05606	.15352	.91481	2.8802	1.0657	1.0657	3.7931	1.0319	7.6604
#1	9.9009	.64314	226.51	.07907	.19114	55.811	119.44	.08790	.68961	.21667
#2	9.8985	.64263	227.00	.08010	.19909	56.659	121.25	.08330	.69975	.19440
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0767	.12682	.21520	.72448	1.6215	.09598
Stddev	.0033	.00172	.00189	.00429	.0102	.00043
%RSD	.31042	1.3536	.87970	.59148	.62909	.44865
#1	1.0790	.12560	.21387	.72751	1.6287	.09628
#2	1.0743	.12803	.21654	.72145	1.6143	.09567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3775.9	56375.	6798.3
Stddev	6.7	294.	37.6
%RSD	.17698	.52200	.55372
#1	3771.2	56167.	6824.9
#2	3780.6	56583.	6771.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 15:05:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00078	49.822	-.00056	.00265	.00111	.00013	1.0076	.05501	.00009	.00031	.00048	-.00307	49.907
Stddev	.00022	.131	.00139	.00054	.00019	.00011	.0009	.00382	.00024	.00004	.00036	.00009	.173
%RSD	28.570	.26217	245.71	20.228	17.426	83.333	.08999	6.9491	258.29	11.526	74.762	2.9566	.34722
#1	-.00062	49.915	-.00154	.00303	.00097	.00021	1.0083	.05231	-.00008	.00029	.00073	-.00314	50.030
#2	-.00093	49.730	.00042	.00227	.00124	.00005	1.0070	.05772	.00026	.00034	.00022	-.00301	49.784
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18594	.00151	.01054	.00360	.00040	244.70	.00086	.00708	.00063	4.9823	-.00012	.00484	.09598
Stddev	.00770	.00074	.00705	.00075	.00009	.56	.00005	.00297	.00007	.0003	.00125	.00365	.01806
%RSD	4.1396	48.897	66.910	20.862	22.874	.22828	5.6841	41.965	11.169	.00555	1027.7	75.420	18.812
#1	.19138	.00203	.01552	.00413	.00033	245.10	.00090	.00918	.00058	4.9821	.00076	.00742	.08321
#2	.18049	.00099	.00555	.00307	.00046	244.31	.00083	.00498	.00068	4.9825	-.00101	.00226	.10874
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20539	.00120	.00068	5.0032	.00751	.00239	10.258	-.00365	.00123	-.03646
Stddev	.03864	.00051	.00000	.0084	.00024	.00084	.019	.00016	.00033	.00440
%RSD	18.812	42.985	.54970	.16895	3.2367	34.937	.18942	4.4179	27.038	12.071
#1	.17807	.00156	.00069	4.9972	.00768	.00298	10.244	-.00354	.00099	-.03335
#2	.23271	.00083	.00068	5.0091	.00733	.00180	10.271	-.00376	.00147	-.03957
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3125.3	47000.	5027.9
Stddev	15.4	254.	7.3
%RSD	.49186	.54017	.14598
#1	3136.2	47180.	5033.1
#2	3114.4	46821.	5022.7

Sample Name: CCV-1390955 Acquired: 5/1/2012 15:07:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49955	.50750	.98153	.48214	.49185	.47750	-.00243	4.8653	.49656	.49684	.49889	.50366	2.4873
Stddev	.00034	.00460	.00024	.00107	.00315	.00095	.00022	.0221	.00095	.00016	.00095	.00164	.0247
%RSD	.06861	.90685	.02431	.22157	.63957	.19922	9.1693	.45481	.19227	.03139	.19084	.32574	.99222
#1	.49931	.51076	.98170	.48138	.48963	.47683	-.00259	4.8497	.49589	.49695	.49956	.50250	2.4698
#2	.49979	.50425	.98136	.48289	.49407	.47818	-.00227	4.8810	.49724	.49673	.49822	.50482	2.5047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.848	.96341	19.927	.50256	.49652	5.0393	.49667	.95002	1.0181	.02291	.96939	.98011	4.9476
Stddev	.187	.00752	.109	.00116	.00055	.0178	.00020	.00203	.0026	.00458	.00181	.00731	.0570
%RSD	.38235	.78088	.54830	.23148	.11168	.35276	.03946	.21395	.25034	19.992	.18693	.74609	1.1528
#1	48.716	.95809	19.850	.50173	.49613	5.0267	.49681	.95146	1.0199	.02615	.97067	.98528	4.9073
#2	48.980	.96873	20.005	.50338	.49691	5.0519	.49653	.94859	1.0163	.01967	.96811	.97494	4.9880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.588	.99591	.48828	-.00016	.49392	1.0164	.00004	.50371	.51619	.49200
Stddev	.122	.00184	.00281	.00043	.00152	.0016	.02644	.00203	.00530	.00019
%RSD	1.1528	.18428	.57523	271.26	.30751	.15420	63277.	.40213	1.0261	.03802
#1	10.502	.99721	.48629	.00015	.49285	1.0152	-.01866	.50228	.51245	.49187
#2	10.674	.99461	.49027	-.00047	.49499	1.0175	.01874	.50514	.51994	.49213
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3209.3	47988.	5115.5
Stddev	20.3	218.	44.8
%RSD	.63261	.45502	.87496
#1	3195.0	48142.	5147.1
#2	3223.7	47834.	5083.8

Sample Name: CCB Acquired: 5/1/2012 15:09:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00463	-.00337	.00143	.00026	.00014	.00169	.00345	.00017	.00001	-.00016	-.00062
Stddev	.00012	.00032	.00574	.00041	.00011	.00009	.00199	.00334	.00016	.00013	.00010	.00008
%RSD	28.494	6.8422	170.52	28.895	40.454	67.235	117.84	96.916	92.500	1033.5	62.152	12.940
#1	.00035	.00486	-.00743	.00114	.00019	.00020	.00028	.00108	.00006	.00010	-.00009	-.00068
#2	.00052	.00441	.00069	.00172	.00034	.00007	.00310	.00581	.00029	-.00008	-.00022	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01542	.06212	.00091	.00384	.00022	.00096	W .16601	-.00054	.00139	.00052	.01954	.00155
Stddev	.00410	.02765	.00086	.00018	.00004	.00031	.00952	.00019	.00258	.00037	.00062	.00278
%RSD	26.566	44.508	95.270	4.7971	19.217	32.042	5.7334	34.311	186.34	71.906	3.1516	178.97
#1	.01831	.04257	.00030	.00397	.00019	.00074	.15928	-.00068	-.00044	.00026	.01998	.00352
#2	.01252	.08167	.00152	.00371	.00025	.00118	.17275	-.00041	.00321	.00079	.01911	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00126	.02394	.05122	.00110	.00006	.00009	.00010	.00209	.01163	-.00002	.00186	-.00011
Stddev	.00058	.02539	.05434	.00008	.00000	.00147	.00014	.00086	.00522	.00036	.00007	.00131
%RSD	46.221	106.08	106.08	7.6544	5.1515	1666.3	140.65	41.391	44.922	2177.3	3.8921	1175.4
#1	.00085	.00598	.01280	.00116	.00005	.00113	.00000	.00270	.01532	.00023	.00181	-.00104
#2	.00167	.04189	.08965	.00104	.00006	-.00095	.00019	.00148	.00794	-.00027	.00191	.00082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3193.2	49082.	5028.6
Stddev	.7	187.	7.4
%RSD	.02148	.38194	.14740
#1	3193.7	49214.	5033.9
#2	3192.7	48949.	5023.4

Sample Name: CCVL1390952 Acquired: 5/1/2012 15:12:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01071	.10867	.01213	.09911	.01040	.00102	.11940	.20039	.00515	.01023	.01021	.01480	.10885	3.1111
Stddev	.00005	.00033	.00008	.00025	.00028	.00003	.00063	.00102	.00007	.00003	.00003	.00026	.00072	.0064
%RSD	.47013	.30796	.62794	.25035	2.6458	2.4905	.52472	.51096	1.3689	.26383	.25169	1.7553	.65717	.20662
#1	.01068	.10891	.01218	.09893	.01021	.00100	.11985	.20112	.00510	.01025	.01023	.01461	.10935	3.1157
#2	.01075	.10844	.01207	.09928	.01060	.00104	.11896	.19967	.00520	.01021	.01019	.01498	.10834	3.1066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01150	.20908	.01052	.02003	1.1548	.04141	2.8616	.00930	.01465	.00772	.01503	.51301	1.0978	.10510
Stddev	.00229	.00382	.00009	.00005	.0180	.00030	.0036	.00069	.00065	.00006	.00102	.00260	.0056	.00061
%RSD	19.933	1.8287	.81108	.26947	1.5594	.72767	.12637	7.4343	4.4053	.78435	6.8080	.50601	.50601	.57826
#1	.00988	.21178	.01046	.01999	1.1420	.04162	2.8591	.00979	.01511	.00768	.01431	.51117	1.0939	.10553
#2	.01312	.20637	.01058	.02007	1.1675	.04119	2.8642	.00882	.01419	.00776	.01576	.51484	1.1018	.10467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01014	.01482	.01040	.01686	.07513	.00967	.02289	.01609
Stddev	.00014	.00125	.00012	.00023	.00192	.00031	.00037	.00081
%RSD	1.3641	8.4093	1.1812	1.3726	2.5581	3.2542	1.5978	5.0312
#1	.01004	.01570	.01032	.01670	.07649	.00989	.02263	.01552
#2	.01023	.01394	.01049	.01702	.07377	.00944	.02314	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3261.9	50101.	5182.1
Stddev	2.0	175.	27.4
%RSD	.06209	.34914	.52918
#1	3263.3	50225.	5201.5
#2	3260.4	49977.	5162.7

Sample Name: MB 280-116504/1-A Acquired: 5/1/2012 15:14:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00484	-.00222	.00036	.00019	.00000	-.00288	.01162	.00026	.00007
Stddev	.00010	.00022	.00177	.00033	.00021	.00011	.00476	.00124	.00020	.00006
%RSD	32.938	4.5141	80.047	92.005	114.36	3968.4	164.95	10.709	77.512	83.635
#1	.00038	.00499	-.00347	.00060	.00004	.00008	-.00625	.01074	.00012	.00003
#2	.00024	.00468	-.00096	.00013	.00034	-.00007	.00048	.01250	.00041	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00109	.01692	-.00245	.00298	.00185	W .00025	-.00024	W .10553	-.00029
Stddev	.00006	.00024	.00260	.00607	.00219	.00081	.00001	.00016	.00489	.00055
%RSD	112.35	21.666	15.370	247.73	73.439	43.577	5.0793	69.410	4.6348	192.50
#1	-.00001	.00126	.01508	-.00674	.00143	.00242	.00026	-.00012	.10899	.00010
#2	-.00009	.00092	.01876	.00184	.00453	.00128	.00024	-.00035	.10207	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00169	-.00007	F .02404	-.00283	.00480	F .01199	.02565	-.00019	.00005	W .00073
Stddev	.00135	.00126	.00094	.00030	.00492	.01395	.02986	.00110	.00004	.00103
%RSD	79.516	1929.3	3.9186	10.462	102.42	116.40	116.40	567.92	93.200	141.37
#1	.00074	-.00096	.02470	-.00303	.00828	.02185	.04676	.00058	.00008	.00146
#2	.00265	.00083	.02337	-.00262	.00132	.00212	.00454	-.00097	.00002	.00000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00085	.00908	-.00033	.00299	.00006
Stddev	.00018	.00075	.01322	.00030	.00089	.00003
%RSD	130.72	88.813	145.65	91.648	29.642	58.588
#1	.00027	.00032	.01842	-.00011	.00362	.00008
#2	.00001	.00138	-.00027	-.00054	.00236	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3222.7	49683.	5077.5
Stddev	16.9	218.	14.2
%RSD	.52450	.43847	.28052
#1	3210.7	49529.	5067.4
#2	3234.6	49837.	5087.5

Sample Name: LCS 280-116504/2-A Acquired: 5/1/2012 15:16:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05106	1.9109	1.0189	F 1.9942	2.0041	.04944	2.1318	48.854	.10109	.49563
Stddev	.00038	.0055	.0007	.0045	.0008	.00006	.0074	.065	.00005	.00116
%RSD	.73859	.28984	.07301	.22679	.03779	.12020	.34588	.13357	.05368	.23326
#1	.05080	1.9148	1.0194	1.9974	2.0047	.04940	2.1371	48.808	.10105	.49645
#2	.05133	1.9070	1.0183	1.9910	2.0036	.04948	2.1266	48.901	.10113	.49481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.89000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20218	.25711	1.0037	49.868	.99399	49.675	.50947	F 2.0583	51.714	.49653
Stddev	.00062	.00077	.0058	.008	.00058	.027	.00092	.0079	.179	.00150
%RSD	.30443	.29882	.57763	.01532	.05867	.05345	.17998	.38557	.34539	.30248
#1	.20262	.25656	.99956	49.874	.99358	49.656	.50883	2.0639	51.588	.49760
#2	.20175	.25765	1.0078	49.863	.99440	49.693	.51012	2.0527	51.840	.49547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8488	.50027	.03595	F .99391	2.0276	F 20.035	F 42.874	F 4.0571	1.0097	1.0313
Stddev	.0285	.00115	.00212	.00530	.0001	.054	.115	.0103	.0001	.0007
%RSD	.28984	.23085	5.8951	.53279	.00682	.26715	.26715	.25398	.01070	.06756
#1	9.8689	.49945	.03744	.99766	2.0275	19.997	42.793	4.0644	1.0098	1.0317
#2	9.8286	.50109	.03445	.99017	2.0277	20.073	42.955	4.0498	1.0096	1.0308
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit				.54000		11.500	24.610	2.2600		
Low Limit				.44000		9.4000	20.100	1.7000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.0473	2.0034	2.2491	.51472	.51255	F 1.0118
Stddev	.0019	.0004	.0250	.00122	.00288	.0007
%RSD	.09277	.01755	1.1115	.23729	.56119	.06835
#1	2.0487	2.0031	2.2315	.51385	.51051	1.0123
#2	2.0460	2.0036	2.2668	.51558	.51458	1.0113
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	1.1000					.62500
Low Limit	.90000					.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3078.9	46865.	5090.0
Stddev	10.7	190.	13.9
%RSD	.34813	.40587	.27289
#1	3071.3	47000.	5099.9
#2	3086.5	46731.	5080.2

Sample Name: 280-28011-C-1-A Acquired: 5/1/2012 15:19:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.01801	.00176	.05317	.02822	.00004	-.00048	146.76	.00034	-.00015
Stddev	.00016	.00001	.00142	.00010	.00084	.00007	.00227	1.13	.00003	.00021
%RSD	50.446	.05500	80.449	.19742	2.9807	174.65	476.72	.77285	7.3120	134.15
#1	.00021	.01800	.00277	.05325	.02762	.00009	-.00208	145.96	.00036	-.00030
#2	.00044	.01801	.00076	.05310	.02881	-.00001	.00113	147.57	.00032	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00142	.00040	.56637	8.2515	.00307	7.7964	.00933	.00370	49.561	-.00050
Stddev	.00016	.00018	.00202	.0651	.00028	.0114	.00012	.00111	.360	.00002
%RSD	11.543	45.856	.35689	.78914	9.1439	.14657	1.3348	30.130	.72650	4.5562
#1	.00153	.00052	.56494	8.2054	.00287	7.8044	.00942	.00291	49.307	-.00052
#2	.00130	.00027	.56779	8.2975	.00327	7.7883	.00925	.00448	49.816	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04314	.00030	.74801	-.00005	.00366	4.7958	10.263	.00064	1.2660	.00015
Stddev	.00138	.00038	.00324	.00002	.00415	.0320	.069	.00015	.0084	.00046
%RSD	3.2036	124.61	.43366	43.884	113.26	.66802	.66802	23.560	.66545	303.02
#1	.04216	.00004	.74571	-.00004	.00073	4.7731	10.214	.00053	1.2600	.00048
#2	.04411	.00057	.75030	-.00007	.00660	4.8184	10.311	.00075	1.2720	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	.00122	.00314	.00159	.00267	-.00036
Stddev	.00018	.00119	.00997	.00016	.00069	.00086
%RSD	16.019	97.463	317.75	9.7464	25.982	238.02
#1	.00122	.00207	.01019	.00148	.00316	-.00097
#2	.00097	.00038	-.00391	.00170	.00218	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3068.4	46168.	4836.7
Stddev	2.8	1163.	77.6
%RSD	.09140	2.5186	1.6048
#1	3066.4	45346.	4891.6
#2	3070.3	46990.	4781.8

Sample Name: sd 280-28011-C-1-A@5 Acquired: 5/1/2012 15:21:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00389	-.00265	.01104	.00542	.00007	-.00085	29.117	.00018	-.00032
Stddev	.00026	.00021	.00031	.00005	.00008	.00010	.00182	.076	.00013	.00019
%RSD	3946.6	5.4734	11.783	.42653	1.4296	158.12	212.88	.26016	74.873	58.179
#1	.00019	.00374	-.00287	.01108	.00548	.00014	.00043	29.063	.00008	-.00045
#2	-.00018	.00404	-.00243	.01101	.00537	-.00001	-.00214	29.170	.00027	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00047	.12656	1.6804	.00098	1.5891	.00210	-.00022	9.5388	W 10.375
Stddev	.00000	.00030	.00356	.0061	.00090	.0052	.00003	.00020	.0364	.425
%RSD	.79024	63.995	2.8134	.36130	91.206	.32926	1.5060	92.958	.38114	4.1002
#1	.00036	-.00069	.12907	1.6847	.00162	1.5928	.00212	-.00036	9.5131	10.675
#2	.00036	-.00026	.12404	1.6761	.00035	1.5854	.00207	-.00007	9.5645	10.074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	.01032	.00012	.15376	-.00335	.00184	.92748	1.9848	.00059	.25025
Stddev	.00009	.00112	.00052	.00779	.00106	.00483	.01940	.0415	.00081	.00006
%RSD	41.876	10.836	448.35	5.0638	31.711	263.03	2.0921	2.0921	135.85	.02385
#1	-.00028	.01111	.00048	.14826	-.00411	.00525	.94120	2.0142	.00002	.25029
#2	-.00015	.00953	-.00025	.15927	-.00260	-.00158	.91376	1.9555	.00116	.25021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00046	.00047	.02470	-.00016	.00321	-.00177
Stddev	.00034	.00024	.00040	.03012	.00004	.00071	.00019
%RSD	118.16	52.066	85.203	121.95	23.424	22.289	10.795
#1	.00053	.00063	.00019	.04600	-.00013	.00371	-.00190
#2	.00005	.00029	.00076	.00340	-.00019	.00270	-.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3173.3	49207.	5130.2
Stddev	17.4	262.	22.5
%RSD	.54752	.53157	.43869
#1	3161.0	49022.	5114.3
#2	3185.5	49392.	5146.1

Sample Name: 280-28011-C-1-B MS Acquired: 5/1/2012 15:23:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05071	1.8318	1.0141	1.0361	1.9741	.04768	F 2.0605	190.72	.09937	.47608
Stddev	.00017	.0069	.0069	.0005	.0028	.00022	.0044	.62	.00007	.00159
%RSD	.33013	.37409	.67861	.04935	.14257	.45956	.21437	.32338	.07385	.33460
#1	.05059	1.8366	1.0189	1.0357	1.9721	.04753	2.0637	190.28	.09943	.47720
#2	.05083	1.8269	1.0092	1.0364	1.9760	.04784	2.0574	191.15	.09932	.47495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19710	.25393	1.5157	57.155	.97388	54.821	.50039	1.0301	98.924	.47580
Stddev	.00113	.00056	.0063	.008	.00091	.260	.00135	.0018	.092	.00151
%RSD	.57386	.21910	.41736	.01464	.09304	.47350	.26983	.16978	.09275	.31749
#1	.19790	.25354	1.5112	57.161	.97452	54.637	.49944	1.0313	98.859	.47687
#2	.19630	.25433	1.5201	57.149	.97324	55.004	.50135	1.0288	98.989	.47473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.9134	.47697	.77341	.49272	1.9864	14.724	31.508	1.9871	2.2361	1.0103
Stddev	.0031	.00037	.00772	.00073	.0002	.081	.172	.0022	.0017	.0006
%RSD	.03095	.07716	.99862	.14913	.01007	.54672	.54672	.11317	.07534	.06483
#1	9.9156	.47671	.76795	.49220	1.9862	14.667	31.387	1.9887	2.2349	1.0108
#2	9.9112	.47723	.77887	.49324	1.9865	14.781	31.630	1.9855	2.2372	1.0099
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0209	1.8792	2.1175	.50727	.49466	.49792
Stddev	.0027	.0071	.0181	.00426	.00332	.00071
%RSD	.25927	.37551	.85274	.84068	.67150	.14170
#1	1.0191	1.8742	2.1303	.50425	.49231	.49742
#2	1.0228	1.8842	2.1047	.51028	.49701	.49842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.2	46067.	5086.3
Stddev	9.3	145.	18.0
%RSD	.30688	.31524	.35300
#1	3009.7	46169.	5099.0
#2	3022.8	45964.	5073.6

Sample Name: 280-28011-C-1-C MSD Acquired: 5/1/2012 15:25:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05123	1.8589	1.0200	1.0347	1.9724	.04773	F 2.0822	188.00	.10077	.48266
Stddev	.00031	.0032	.0152	.0022	.0308	.00093	.0057	3.22	.00003	.00028
%RSD	.61154	.16981	1.4930	.21013	1.5634	1.9571	.27176	1.7138	.02494	.05899
#1	.05145	1.8567	1.0308	1.0363	1.9506	.04707	2.0782	185.73	.10075	.48246
#2	.05100	1.8612	1.0093	1.0332	1.9943	.04839	2.0862	190.28	.10079	.48286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20000	.25606	1.5165	57.075	.97523	55.287	.50598	1.0275	97.494	.48294
Stddev	.00051	.00079	.0286	.865	.01884	.191	.00178	.0017	1.694	.00122
%RSD	.25549	.30977	1.8892	1.5150	1.9321	.34607	.35139	.16260	1.7379	.25289
#1	.19964	.25663	1.4963	56.463	.96191	55.423	.50724	1.0286	96.296	.48380
#2	.20036	.25550	1.5368	57.686	.98855	55.152	.50472	1.0263	98.692	.48208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.046	.48377	.75963	.49023	2.0161	14.544	31.124	1.9875	2.2119	1.0234
Stddev	.003	.00309	.01070	.00071	.0015	.258	.553	.0028	.0339	.0063
%RSD	.03053	.63889	1.4084	.14553	.07396	1.7768	1.7768	.14118	1.5337	.62055
#1	10.048	.48596	.76719	.49073	2.0150	14.361	30.733	1.9895	2.1879	1.0279
#2	10.044	.48159	.75206	.48972	2.0171	14.726	31.515	1.9856	2.2359	1.0189
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0156	1.8990	2.1611	.51402	.49999	.48726
Stddev	.0026	.0002	.0185	.00013	.00072	.01307
%RSD	.25506	.00962	.85440	.02500	.14356	2.6819
#1	1.0174	1.8989	2.1741	.51393	.49948	.47802
#2	1.0137	1.8991	2.1480	.51411	.50049	.49650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3007.0	46040.	5113.7
Stddev	.6	123.	56.7
%RSD	.02153	.26687	1.1096
#1	3006.6	45953.	5153.8
#2	3007.5	46127.	5073.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 15:28:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00067	49.242	-.00125	.00461	.00059	.00003	1.0065	.01671	.00021	.00053	.00051	-.00417	49.107
Stddev	.00053	.185	.00397	.00092	.00015	.00000	.0016	.00217	.00002	.00015	.00014	.00002	.213
%RSD	78.563	.37666	316.84	19.954	24.441	6.1611	.15539	12.996	9.0316	28.410	27.031	.59178	.43338
#1	-.00104	49.373	-.00406	.00527	.00049	.00003	1.0076	.01825	.00019	.00043	.00041	-.00418	49.258
#2	-.00030	49.111	.00156	.00396	.00070	.00002	1.0054	.01518	.00022	.00064	.00061	-.00415	48.957
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11015	.00225	-.01692	.00012	.00230	243.19	.00125	.00294	.00029	4.9310	-.00103	.00994	.01239
Stddev	.04272	.00086	.00167	.00003	.00033	.46	.00007	.00007	.00001	.0196	.00051	.00143	.01226
%RSD	38.784	38.469	9.8709	23.484	14.258	.18892	5.2568	2.2240	2.0094	.39766	49.335	14.425	98.912
#1	.07994	.00286	-.01810	.00014	.00207	242.86	.00121	.00289	.00028	4.9449	-.00140	.00893	.00372
#2	.14035	.00164	-.01574	.00010	.00253	243.51	.00130	.00298	.00029	4.9171	-.00067	.01096	.02106
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02652	.00219	.00050	5.0051	.00733	.00170	10.234	-.00453	.00109	-.03850
Stddev	.02623	.00125	.00000	.0056	.00008	.00080	.051	.00007	.00019	.00196
%RSD	98.912	57.310	.08127	.11196	1.1468	47.224	.49529	1.5210	17.780	5.0974
#1	.00797	.00307	.00050	5.0091	.00739	.00113	10.270	-.00458	.00122	-.03712
#2	.04507	.00130	.00050	5.0012	.00727	.00227	10.198	-.00448	.00095	-.03989
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3106.8	46775.	5056.8
Stddev	11.9	88.	15.8
%RSD	.38301	.18914	.31273
#1	3098.4	46712.	5045.7
#2	3115.3	46837.	5068.0

Sample Name: CCV-1390955 Acquired: 5/1/2012 15:30:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49841	.49098	.98043	.47936	.49237	.47207	-.00329	4.8138	.49641	.49458	.49768	.50484	2.4604
Stddev	.00168	.00004	.00157	.00314	.00094	.00233	.00120	.0228	.00012	.00100	.00010	.00244	.0103
%RSD	.33770	.00757	.15976	.65463	.19066	.49436	36.643	.47403	.02353	.20152	.02003	.48326	.41902
#1	.49960	.49100	.97932	.48158	.49171	.47042	-.00244	4.7977	.49649	.49529	.49775	.50657	2.4531
#2	.49722	.49095	.98154	.47714	.49304	.47372	-.00414	4.8300	.49633	.49388	.49761	.50312	2.4677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.569	.96308	19.537	.49696	.49486	4.9062	.49497	.93738	1.0151	.00885	.95960	.98790	4.7870
Stddev	.138	.00506	.003	.00055	.00001	.0014	.00065	.00577	.0044	.00636	.00505	.00311	.0218
%RSD	.28336	.52529	.01648	.11148	.00232	.02915	.13211	.61582	.43067	71.877	.52611	.31513	.45576
#1	48.472	.95950	19.535	.49735	.49485	4.9072	.49544	.93330	1.0120	.01335	.96317	.99011	4.7716
#2	48.667	.96665	19.540	.49657	.49487	4.9052	.49451	.94146	1.0181	.00435	.95603	.98570	4.8024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.244	.98934	.48705	.00057	.49150	1.0118	-.00344	.50054	.50553	.49164
Stddev	.047	.00281	.00076	.00072	.00134	.0029	.00310	.00041	.00037	.00270
%RSD	.45576	.28389	.15684	126.13	.27239	.28300	90.052	.08139	.07237	.54847
#1	10.211	.98735	.48651	.00108	.49056	1.0098	-.00125	.50083	.50579	.48973
#2	10.277	.99132	.48759	.00006	.49245	1.0138	-.00564	.50026	.50527	.49355
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3167.2	48198.	5086.2
Stddev	2.0	125.	19.4
%RSD	.06305	.26027	.38187
#1	3168.6	48287.	5072.5
#2	3165.8	48110.	5100.0

Sample Name: CCB Acquired: 5/1/2012 15:32:44 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	-.00016	.00023	.00087	.00029	.00005	-.00083	.00398	.00015	-.00010	-.00015
Stddev	.00022	.00004	.00036	.00104	.00002	.00009	.00099	.00338	.00014	.00000	.00005
%RSD	46.259	24.456	155.53	119.90	8.0625	175.36	120.07	84.882	94.234	4.6797	30.680
#1	.00062	-.00013	-.00002	.00161	.00030	-.00001	-.00013	.00159	.00024	-.00011	-.00012
#2	.00031	-.00018	.00049	.00013	.00027	.00011	-.00153	.00638	.00005	-.00010	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00106	.00074	.02300	.00221	.00223	.00006	.00122	W .09325	-.00072	.00123	-.00175
Stddev	.00047	.00117	.00739	.00171	.00098	.00008	.00018	.00373	.00008	.00182	.00094
%RSD	43.946	158.33	32.152	77.444	43.831	146.23	14.948	3.9958	10.771	147.82	53.424
#1	-.00139	-.00009	.02823	.00342	.00292	.00000	.00109	.09588	-.00066	-.00006	-.00109
#2	-.00073	.00157	.01777	.00100	.00154	.00012	.00135	.09062	-.00077	.00252	-.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00459	.00046	W .00544	-.01097	-.02349	.00079	.00008	.00120	-.00013	.00200	.01863
Stddev	.00047	.00115	.00257	.01355	.02900	.00004	.00014	.00177	.00002	.00130	.00380
%RSD	10.146	251.25	47.305	123.49	123.49	4.5824	177.77	147.20	17.130	64.643	20.376
#1	.00426	-.00036	.00362	-.00139	-.00298	.00082	.00018	.00245	-.00015	.00109	.02131
#2	.00492	.00127	.00726	-.02056	-.04399	.00077	-.00002	-.00005	-.00012	.00292	.01594
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00031	.00150	W -.00289
Stddev	.00034	.00002	.00074
%RSD	108.45	1.4777	25.767
#1	-.00007	.00152	-.00342
#2	-.00055	.00149	-.00236
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3193.4	49301.	5031.4
Stddev	.4	80.	12.0
%RSD	.01384	.16158	.23760
#1	3193.7	49357.	5039.9
#2	3193.1	49245.	5023.0

Sample Name: CCVL1390952 Acquired: 5/1/2012 15:35:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01032	.10310	.01143	.09812	.01022	.00106	.11660	.19590	.00539	.01036	.01008	.01462	.09908
Stddev	.00046	.00013	.00638	.00053	.00038	.00006	.00133	.00149	.00015	.00015	.00042	.00000	.00039
%RSD	4.5045	.12857	55.810	.54297	3.6799	6.1040	1.1364	.76105	2.7361	1.4898	4.1689	.03089	.39649
#1	.00999	.10301	.01594	.09850	.01049	.00111	.11754	.19485	.00528	.01047	.00979	.01462	.09880
#2	.01065	.10320	.00692	.09774	.00996	.00102	.11566	.19696	.00549	.01026	.01038	.01462	.09935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0381	.00971	.20775	.01024	.01999	1.0980	.04077	2.7998	.00949	.00335	.00840	.01536	.48205
Stddev	.0055	.00179	.00383	.00009	.00002	.0088	.00009	.0104	.00065	.00268	.00011	.00164	.01703
%RSD	.18224	18.460	1.8456	.92513	.10205	.80517	.20981	.37011	6.8982	80.031	1.3129	10.682	3.5325
#1	3.0421	.01097	.20504	.01017	.02000	1.0917	.04071	2.8071	.00995	.00145	.00832	.01420	.49409
#2	3.0342	.00844	.21046	.01031	.01997	1.1042	.04083	2.7925	.00903	.00525	.00847	.01652	.47001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0316	.10221	.01000	.01522	.01005	.01593	F .08676	.00960	.02222	.01458
Stddev	.0364	.00017	.00004	.00031	.00015	.00201	.00436	.00000	.00028	.00023
%RSD	3.5325	.16664	.41318	2.0349	1.5033	12.599	5.0267	.02356	1.2464	1.5747
#1	1.0574	.10209	.01003	.01544	.01016	.01735	.08368	.00961	.02202	.01474
#2	1.0058	.10233	.00997	.01500	.00994	.01451	.08985	.00960	.02241	.01442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3270.5	50457.	5134.2
Stddev	3.2	21.	12.3
%RSD	.09720	.04131	.23862
#1	3272.7	50472.	5142.9
#2	3268.2	50443.	5125.6

Sample Name: mb 280-117234/1-a Acquired: 5/1/2012 15:37:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00071	.00041	-.00344	.00031	.00025	.00005	.00303	.00676	.00020	-.00006
Stddev	.00019	.00055	.00107	.00038	.00009	.00003	.00167	.00221	.00009	.00015
%RSD	27.263	135.11	30.980	120.44	36.525	56.550	54.918	32.700	46.380	237.41
#1	.00058	.00002	-.00269	.00005	.00031	.00007	.00186	.00520	.00013	-.00017
#2	.00085	.00080	-.00419	.00058	.00019	.00003	.00421	.00832	.00026	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00049	.00106	.04381	.00160	.00016	.00009	.00012	.06521	.00017
Stddev	.00011	.00040	.00015	.02767	.00011	.00133	.00000	.00026	.00693	.00038
%RSD	185.86	81.683	13.640	63.165	6.7849	831.98	3.8380	217.34	10.627	222.60
#1	-.00002	-.00021	.00117	.02424	.00168	-.00078	.00008	-.00006	.06031	-.00010
#2	.00013	-.00077	.00096	.06338	.00153	.00110	.00009	.00030	.07011	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00174	-.00107	.00498	-.00140	.00183	F -.01194	-.02555	.00098	.00003	.00061
Stddev	.00157	.00008	.00523	.00203	.00067	.01871	.04003	.00107	.00004	.00259
%RSD	90.199	7.1313	104.94	145.34	36.387	156.71	156.71	109.14	109.76	424.68
#1	.00063	-.00112	.00129	-.00283	.00230	.00129	.00276	.00022	.00001	-.00122
#2	.00284	-.00101	.00868	.00004	.00136	-.02517	-.05386	.00173	.00006	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.01000				
Low Limit						-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	.00017	-.00083	-.00049	.00219	-.00080
Stddev	.00008	.00215	.01731	.00001	.00059	.00136
%RSD	24.632	1297.8	2076.6	2.4279	26.783	170.72
#1	-.00040	.00168	.01140	-.00048	.00178	.00017
#2	-.00028	-.00135	-.01307	-.00050	.00261	-.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3251.9	49854.	5146.1
Stddev	6.5	63.	30.7
%RSD	.20094	.12570	.59656
#1	3256.5	49809.	5167.8
#2	3247.3	49898.	5124.4

Sample Name: lcs 280-117234/2-a Acquired: 5/1/2012 15:39:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05310	1.9611	1.0737	1.0625	2.0569	.05037	2.2236	49.860	.10582	.51060
Stddev	.00053	.0009	.0022	.0004	.0015	.00008	.0013	.055	.00026	.00182
%RSD	.99629	.04789	.20814	.03829	.07541	.15158	.05860	.11102	.24105	.35706
#1	.05347	1.9604	1.0722	1.0628	2.0558	.05042	2.2245	49.821	.10564	.51189
#2	.05273	1.9618	1.0753	1.0622	2.0579	.05031	2.2227	49.899	.10600	.50931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20745	.26320	1.0254	51.242	1.0205	51.075	.51946	1.0506	52.900	.50993
Stddev	.00065	.00197	.0010	.054	.0050	.071	.00100	.0009	.208	.00082
%RSD	.31100	.74704	.09718	.10518	.48861	.13939	.19155	.08795	.39394	.16172
#1	.20791	.26459	1.0247	51.204	1.0170	51.125	.52016	1.0513	52.753	.51051
#2	.20700	.26181	1.0261	51.280	1.0240	51.024	.51875	1.0500	53.048	.50935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.432	.51780	.02134	.51277	2.1896	10.250	F 21.935	2.0862	1.0338	1.0545
Stddev	.015	.00181	.00589	.00049	.0149	.065	.139	.0036	.0009	.0029
%RSD	.14039	.35036	27.610	.09513	.67887	.63300	.63300	.17059	.08356	.27860
#1	10.442	.51908	.02551	.51243	2.2001	10.204	21.836	2.0887	1.0332	1.0566
#2	10.422	.51652	.01718	.51312	2.1791	10.296	22.033	2.0837	1.0345	1.0525
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0409	2.0839	2.2291	.52627	.52890	.51012
Stddev	.0006	.0060	.0175	.00078	.00181	.00244
%RSD	.05762	.28954	.78399	.14885	.34293	.47871
#1	1.0414	2.0881	2.2167	.52571	.53019	.50839
#2	1.0405	2.0796	2.2415	.52682	.52762	.51185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3116.2	47522.	5173.9
Stddev	1.5	35.	44.6
%RSD	.04923	.07295	.86230
#1	3117.3	47497.	5205.4
#2	3115.1	47546.	5142.3

Sample Name: 280-28158-d-1-a Acquired: 5/1/2012 15:42:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00156	-.00230	.05687	.01171	.00008	-.00278	W 581.84	.00071	-.00007
Stddev	.00052	.00007	.00068	.00072	.00010	.00001	.00103	1.16	.00000	.00015
%RSD	5526.7	4.6903	29.549	1.2585	.84818	6.7751	37.197	.19883	.57532	221.05
#1	-.00036	-.00151	-.00278	.05738	.01178	.00008	-.00351	581.02	.00071	.00004
#2	.00038	-.00161	-.00182	.05637	.01164	.00009	-.00205	582.66	.00071	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00142	-.00053	13.510	.12096	91.016	.00051	.00256	427.41	-.00053
Stddev	.00036	.00011	.00055	.050	.00279	.221	.00005	.00077	1.18	.00000
%RSD	54.786	7.9220	103.66	.37235	2.3056	.24323	9.7425	30.071	.27709	.79012
#1	.00040	.00150	-.00092	13.475	.11899	90.859	.00055	.00202	428.25	-.00053
#2	.00091	.00134	-.00014	13.546	.12293	91.172	.00048	.00311	426.58	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03918	-.00053	F 677.78	-.00193	.18232	13.063	27.955	-.00136	W 10.107	-.00035
Stddev	.00278	.00088	.76	.00295	.00047	.036	.076	.00115	.034	.00105
%RSD	7.1055	166.80	.11140	152.87	.25738	.27320	.27320	84.239	.33357	296.66
#1	.03721	.00010	678.31	.00016	.18199	13.038	27.901	-.00218	10.083	-.00110
#2	.04114	-.00115	677.24	-.00401	.18265	13.088	28.009	-.00055	10.131	.00039
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00082	.00464	.05218	.00073	.00328	-.00034
Stddev	.00054	.00065	.00050	.00030	.00017	.00052
%RSD	66.023	14.029	.95430	41.036	5.0833	152.04
#1	.00120	.00418	.05183	.00095	.00316	.00003
#2	.00044	.00510	.05254	.00052	.00340	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2849.9	43309.	5018.7
Stddev	5.5	34.	2.9
%RSD	.19306	.07783	.05795
#1	2853.8	43333.	5020.8
#2	2846.0	43285.	5016.7

Sample Name: 280-28158-d-1-aSD@5 Acquired: 5/1/2012 15:44:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.00033	-.00698	.01235	.00277	.00008	-.00019	127.50	.00038	.00005
Stddev	.00027	.00035	.00367	.00021	.00038	.00002	.00311	.46	.00009	.00005
%RSD	298.88	105.38	52.535	1.6840	13.548	26.459	1632.7	.35941	23.907	110.75
#1	.00010	.00058	-.00957	.01249	.00303	.00007	-.00239	127.18	.00044	.00001
#2	-.00028	.00009	-.00439	.01220	.00250	.00010	.00201	127.83	.00031	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00024	.00215	2.8870	.02411	19.510	.00033	-.00013	89.810	-.00075
Stddev	.00003	.00019	.00107	.0205	.00084	.009	.00003	.00028	.012	.00039
%RSD	14.061	77.868	49.515	.70975	3.4844	.04468	8.7966	212.14	.01376	52.088
#1	.00021	.00037	.00290	2.8725	.02352	19.516	.00035	-.00033	89.802	-.00103
#2	.00017	.00011	.00140	2.9014	.02470	19.503	.00031	.00007	89.819	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01023	-.00037	140.32	-.00144	.03391	2.7043	5.7872	.00057	2.1239	.00168
Stddev	.00223	.00059	.50	.00007	.00132	.0239	.0513	.00099	.0028	.00111
%RSD	21.764	157.93	.35710	5.2124	3.8901	.88581	.88581	173.85	.13267	66.316
#1	.01181	-.00079	140.67	-.00149	.03484	2.6873	5.7509	.00127	2.1219	.00089
#2	.00866	.00004	139.96	-.00138	.03297	2.7212	5.8234	-.00013	2.1259	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00156	-.01441	.00015	.00649	.00060
Stddev	.00005	.00051	.00229	.00002	.00127	.00252
%RSD	14.656	32.397	15.883	12.546	19.587	417.08
#1	.00034	.00192	-.01602	.00014	.00739	-.00118
#2	.00028	.00120	-.01279	.00017	.00559	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3052.9	46245.	5076.8
Stddev	9.3	75.	26.1
%RSD	.30497	.16315	.51330
#1	3046.3	46192.	5095.2
#2	3059.5	46299.	5058.3

Sample Name: 280-28158-d-1-b ms Acquired: 5/1/2012 15:47:12 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05488	1.7964	1.1113	1.0566	2.0602	.04887	F 2.1561	W 624.55	.10680	.48347
Stddev	.00020	.0016	.0075	.0026	.0043	.00049	.0003	11.53	.00022	.00074
%RSD	.35680	.08661	.67342	.24894	.20822	1.0030	.01225	1.8464	.20400	.15400
#1	.05502	1.7975	1.1060	1.0547	2.0632	.04921	2.1559	632.71	.10664	.48400
#2	.05474	1.7953	1.1166	1.0584	2.0572	.04852	2.1563	616.40	.10695	.48295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20218	.26802	.99497	66.110	1.1661	140.19	.51104	1.0366	479.16	.48072
Stddev	.00066	.00095	.00703	.143	.0073	.40	.00079	.0019	.69	.00088
%RSD	.32710	.35397	.70702	.21672	.62704	.28367	.15408	.18838	.14455	.18350
#1	.20264	.26869	.99994	66.211	1.1713	139.91	.51048	1.0380	479.65	.48135
#2	.20171	.26735	.98999	66.008	1.1609	140.47	.51160	1.0353	478.67	.48010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.851	.47665	F 677.03	.51185	2.4266	23.405	50.087	1.9688	W 10.761	1.0496
Stddev	.015	.00019	.40	.00032	.0049	.073	.157	.0000	.131	.0010
%RSD	.13639	.03933	.05847	.06276	.20195	.31308	.31308	.00042	1.2149	.09245
#1	10.841	.47651	676.75	.51208	2.4301	23.457	50.198	1.9688	10.853	1.0489
#2	10.861	.47678	677.31	.51162	2.4232	23.353	49.976	1.9688	10.669	1.0503
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0370	1.7931	2.2491	.53142	.50647	.50577
Stddev	.0025	.0015	.0151	.00129	.00422	.00385
%RSD	.23982	.08536	.67096	.24231	.83252	.76204
#1	1.0353	1.7941	2.2384	.53051	.50349	.50304
#2	1.0388	1.7920	2.2598	.53233	.50946	.50849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2823.3	43055.	5011.6
Stddev	4.8	207.	17.6
%RSD	.17152	.48055	.35182
#1	2819.9	43201.	4999.1
#2	2826.7	42909.	5024.1

Sample Name: 280-28158-d-1-c msd Acquired: 5/1/2012 15:49:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05429	1.7930	1.1098	1.0547	2.0348	.04847	F 2.1374	W 612.19	.10607	.48067
Stddev	.00080	.0004	.0031	.0018	.0025	.00006	.0009	3.19	.00043	.00123
%RSD	1.4695	.02431	.27621	.17006	.12432	.11902	.04222	.52102	.40510	.25585
#1	.05372	1.7933	1.1076	1.0559	2.0330	.04843	2.1381	609.93	.10637	.48154
#2	.05485	1.7927	1.1119	1.0534	2.0365	.04851	2.1368	614.44	.10577	.47980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20148	.26332	.99865	65.252	1.1515	136.92	.50374	1.0327	467.64	.47796
Stddev	.00003	.00123	.00368	.204	.0015	.40	.00193	.0027	.93	.00204
%RSD	.01628	.46786	.36842	.31207	.13021	.29565	.38275	.25771	.19868	.42754
#1	.20146	.26244	.99605	65.108	1.1505	136.64	.50237	1.0346	466.98	.47940
#2	.20150	.26419	1.0013	65.396	1.1526	137.21	.50510	1.0308	468.30	.47651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.803	.47291	F 663.19	.51451	2.3829	23.063	49.356	1.9628	W 10.760	1.0360
Stddev	.015	.00096	1.46	.00228	.0077	.039	.083	.0010	.083	.0030
%RSD	.13706	.20280	.21947	.44366	.32305	.16821	.16821	.04988	.76991	.28620
#1	10.813	.47358	664.22	.51289	2.3774	23.036	49.297	1.9635	10.818	1.0339
#2	10.793	.47223	662.16	.51612	2.3883	23.091	49.414	1.9621	10.701	1.0381
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0262	1.7804	2.1973	.52413	.50187	.49795
Stddev	.0030	.0070	.0078	.00160	.00034	.00319
%RSD	.29600	.39620	.35635	.30438	.06683	.64138
#1	1.0241	1.7854	2.1918	.52301	.50211	.49569
#2	1.0283	1.7755	2.2028	.52526	.50163	.50020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2805.8	43082.	5054.8
Stddev	9.0	217.	32.5
%RSD	.32066	.50343	.64198
#1	2799.5	43236.	5077.8
#2	2812.2	42929.	5031.9

Sample Name: 280-28158-d-2-a Acquired: 5/1/2012 15:52:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-.00072	-.00070	.05700	.01198	-.00002	-.00284	W 579.15	.00073	-.00004
Stddev	.00005	.00032	.00156	.00145	.00001	.00008	.00036	11.19	.00001	.00020
%RSD	18.666	44.985	221.21	2.5412	.11587	376.41	12.682	1.9322	2.0495	469.11
#1	.00032	-.00095	-.00180	.05598	.01199	-.00007	-.00259	587.06	.00074	-.00018
#2	.00025	-.00049	.00040	.05802	.01197	.00003	-.00309	571.23	.00072	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.00130	.00149	14.055	.12072	89.814	.00050	.00261	426.20	-.00078
Stddev	.00041	.00036	.00005	.015	.00244	.208	.00001	.00074	.70	.00001
%RSD	74.672	27.374	3.3954	.10518	2.0185	.23197	2.5301	28.190	.16383	1.7461
#1	.00026	.00105	.00145	14.044	.12244	89.667	.00051	.00209	426.70	-.00077
#2	.00083	.00155	.00153	14.065	.11900	89.961	.00049	.00313	425.71	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03758	-.00027	F 672.82	-.00096	.17741	13.032	27.887	-.00095	W 9.8342	.00028
Stddev	.00008	.00032	.59	.00272	.00334	.032	.069	.00099	.1711	.00065
%RSD	.22094	119.19	.08738	283.84	1.8816	.24738	.24738	104.07	1.7395	232.29
#1	.03764	-.00004	672.41	-.00288	.17977	13.054	27.936	-.00164	9.9552	-.00018
#2	.03752	-.00050	673.24	.00096	.17505	13.009	27.839	-.00025	9.7133	.00073
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00108	.00439	.02664	.00126	.00233	-.00044
Stddev	.00020	.00137	.01772	.00015	.00050	.00070
%RSD	18.976	31.204	66.535	11.743	21.635	159.15
#1	.00122	.00342	.03917	.00116	.00269	.00006
#2	.00093	.00535	.01411	.00137	.00198	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2866.6	43722.	5084.1
Stddev	7.2	91.	32.1
%RSD	.25141	.20829	.63137
#1	2871.7	43786.	5061.4
#2	2861.5	43657.	5106.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 15:54:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00132	50.712	-.00249	.00392	.00067	.00011	1.0374	.03381	.00007	.00056	.00036	-.00453
Stddev	.00052	.174	.00132	.00035	.00007	.00004	.0001	.01241	.00010	.00029	.00001	.00018
%RSD	39.646	.34287	53.067	8.9540	10.230	34.579	.00608	36.708	150.93	50.850	2.1495	4.0442
#1	-.00095	50.589	-.00342	.00416	.00072	.00009	1.0374	.04258	.00000	.00036	.00036	-.00466
#2	-.00169	50.835	-.00155	.00367	.00062	.00014	1.0375	.02503	.00014	.00076	.00037	-.00440
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.577	.32831	.00237	-.02291	.00011	.00084	250.75	.00108	.00602	-.00026	5.1595	-.00281
Stddev	.130	.00959	.00005	.00048	.00001	.00027	.56	.00029	.00364	.00080	.0056	.00096
%RSD	.25755	2.9208	2.2554	2.0985	6.2189	32.452	.22394	26.760	60.466	311.55	.10953	34.046
#1	50.485	.33509	.00241	-.02325	.00011	.00065	250.35	.00087	.00345	-.00083	5.1635	-.00213
#2	50.669	.32153	.00233	-.02257	.00012	.00104	251.15	.00128	.00860	.00031	5.1555	-.00349
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00455	.01666	.03565	.00264	.00078	5.2113	.00756	.00171	W 10.698	-.00432	.00173	-.04271
Stddev	.00072	.00221	.00474	.00060	.00011	.0075	.00033	.00088	.006	.00050	.00005	.00030
%RSD	15.864	13.289	13.289	22.879	13.998	.14464	4.3941	51.389	.05668	11.543	2.9919	.70230
#1	.00404	.01822	.03900	.00221	.00086	5.2167	.00779	.00233	10.703	-.00468	.00177	-.04292
#2	.00506	.01509	.03230	.00306	.00070	5.2060	.00732	.00109	10.694	-.00397	.00170	-.04250
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3106.5	46829.	5178.6
Stddev	3.7	131.	18.4
%RSD	.12032	.27973	.35581
#1	3109.2	46922.	5191.7
#2	3103.9	46736.	5165.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 15:57:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51070	.49647	1.0117	.48923	.49966	.47584	.00107	4.8522	.50828	.50518	.50902	.51836	2.4932	49.242
Stddev	.00278	.00020	.0018	.00191	.00163	.00216	.00133	.0084	.00014	.00134	.00175	.00362	.0009	.198
%RSD	.54426	.04090	.17625	.39003	.32523	.45415	123.72	.17251	.02721	.26516	.34331	.69889	.03547	.40123
#1	.51266	.49662	1.0130	.49058	.50081	.47737	.00013	4.8581	.50838	.50613	.51026	.52092	2.4938	49.382
#2	.50873	.49633	1.0104	.48788	.49851	.47431	.00201	4.8463	.50819	.50424	.50779	.51580	2.4926	49.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97802	19.842	.50877	.50712	5.1886	.50506	.95260	1.0390	.03246	.98491	1.0140	4.8188	10.312	1.0168
Stddev	.00266	.073	.00148	.00105	.0445	.00030	.00689	.0028	.00171	.00421	.0050	.0237	.051	.0032
%RSD	.27196	.36625	.29111	.20788	.85745	.05959	.72340	.26633	5.2532	.42700	.49498	.49194	.49194	.31865
#1	.97990	19.894	.50981	.50787	5.2201	.50527	.95747	1.0410	.03367	.98788	1.0105	4.8020	10.276	1.0191
#2	.97613	19.791	.50772	.50638	5.1572	.50485	.94772	1.0371	.03125	.98194	1.0176	4.8356	10.348	1.0145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49455	.00142	.50210	1.0323	.02302	.51241	.52268	.49736
Stddev	.00109	.00011	.00171	.0027	.03514	.00051	.00203	.00143
%RSD	.22083	7.4848	.34015	.25977	152.66	.09927	.38762	.28687
#1	.49532	.00149	.50331	1.0304	-.00183	.51205	.52411	.49635
#2	.49378	.00134	.50089	1.0342	.04786	.51277	.52125	.49837
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3183.9	48334.	5195.0
Stddev	3.6	81.	1.6
%RSD	.11376	.16703	.03089
#1	3181.3	48277.	5196.1
#2	3186.4	48391.	5193.8

Sample Name: CCB Acquired: 5/1/2012 15:59:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00019	-.00154	.00121	.00013	.00009	-.00235	.00597	.00002	-.00012	-.00011	-.00098	-.00009
Stddev	.00014	.00042	.00160	.00042	.00025	.00008	.00222	.00020	.00022	.00018	.00009	.00010	.00129
%RSD	302.65	215.48	104.12	34.527	195.09	83.055	94.273	3.4306	1260.1	150.61	87.372	10.184	1430.4
#1	-.00015	-.00010	-.00267	.00092	-.00005	.00004	-.00392	.00583	-.00014	-.00025	-.00004	-.00105	-.00100
#2	.00005	.00049	-.00041	.00151	.00030	.00015	-.00078	.00612	.00017	.00001	-.00017	-.00091	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09675	.00169	.00132	.00009	.00099	F .31058	-.00049	.00147	-.00223	.04388	.00052	.00324	.00077
Stddev	.00669	.00066	.00086	.00004	.00086	.00815	.00010	.00205	.00028	.00224	.00029	.00313	.00093
%RSD	6.9179	38.826	65.504	49.442	87.180	2.6241	19.311	139.15	12.755	5.1101	55.999	96.696	120.67
#1	.09202	.00123	.00193	.00006	.00038	.31634	-.00056	.00292	-.00203	.04229	.00032	.00102	.00011
#2	.10149	.00215	.00071	.00012	.00160	.30482	-.00043	.00002	-.00243	.04546	.00073	.00545	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00164	.00129	.00002	.00057	-.00001	.00029	.03141	-.00061	.00209	.00002
Stddev	.00198	.00047	.00009	.00113	.00000	.00042	.04349	.00027	.00049	.00042
%RSD	120.67	36.700	489.06	198.04	20.194	146.61	138.47	43.678	23.508	1699.6
#1	.00024	.00163	.00008	-.00023	-.00001	-.00001	.06217	-.00042	.00174	-.00027
#2	.00304	.00096	-.00004	.00137	-.00001	.00058	.00066	-.00080	.00244	.00032
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3163.3	48807.	5118.5
Stddev	4.5	3.	38.4
%RSD	.14272	.00513	.75056
#1	3166.5	48805.	5145.7
#2	3160.1	48808.	5091.3

Sample Name: CCVL1390952 Acquired: 5/1/2012 16:01:43 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01131	.10817	F .01015	.10168	.01050	.00101	.12023	.20352	.00546	.01076	.01098	.01555	.10195
Stddev	.00103	.00018	.00603	.00034	.00049	.00002	.00202	.00114	.00028	.00002	.00031	.00084	.00303
%RSD	9.1038	.16781	59.404	.33229	4.6201	1.8898	1.6775	.56180	5.1697	.17363	2.8600	5.4264	2.9699
#1	.01058	.10829	.01441	.10144	.01084	.00100	.12166	.20271	.00526	.01078	.01120	.01495	.09981
#2	.01203	.10804	.00589	.10192	.01015	.00103	.11881	.20433	.00566	.01075	.01076	.01615	.10409
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2250	.01153	.21874	.01088	.02093	F 1.3160	.04304	2.9287	.00884	.02515	.00799	.01753	.51172
Stddev	.0429	.00267	.00214	.00014	.00012	.0098	.00007	.0077	.00035	.00325	.00259	.00463	.00412
%RSD	1.3308	23.158	.97984	1.2595	.56242	.74538	.17346	.26395	3.9692	12.927	32.394	26.440	.80483
#1	3.2554	.00964	.21723	.01079	.02085	1.3229	.04309	2.9232	.00859	.02285	.00616	.01425	.50881
#2	3.1947	.01342	.22026	.01098	.02101	1.3091	.04299	2.9341	.00909	.02745	.00982	.02080	.51463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0951	.10915	.01038	.01713	.01047	F .02012	.06971	.01014	.02413	.01411
Stddev	.0088	.00058	.00003	.00055	.00029	.00097	.00189	.00018	.00016	.00078
%RSD	.80483	.53528	.27623	3.2312	2.7458	4.8075	2.7164	1.7981	.64395	5.5262
#1	1.0888	.10874	.01036	.01674	.01027	.01943	.06837	.01002	.02424	.01466
#2	1.1013	.10957	.01040	.01752	.01067	.02080	.07104	.01027	.02402	.01356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.01500				
Range						30.000%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3234.6	49723.	5201.6
Stddev	13.0	439.	10.0
%RSD	.40120	.88271	.19244
#1	3243.7	50033.	5194.5
#2	3225.4	49412.	5208.7

Sample Name: mb 280-117356/1-a Acquired: 5/1/2012 16:04:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00089	-.00369	.00073	.00014	.00006	-.00145	.00829	.00027	-.00020
Stddev	.00042	.00019	.00174	.00017	.00036	.00000	.00238	.00009	.00015	.00022
%RSD	1387.4	20.913	47.092	23.654	254.31	5.7697	163.90	1.0329	55.687	114.14
#1	-.00033	.00076	-.00246	.00086	.00039	.00007	-.00313	.00823	.00037	-.00036
#2	.00027	.00103	-.00491	.00061	-.00011	.00006	.00023	.00835	.00016	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	-.00114	.00575	.07416	.00031	.00069	.00010	.00012	.25640	-.00045
Stddev	.00037	.00008	.00258	.01681	.00158	.00181	.00002	.00013	.00680	.00017
%RSD	339.00	7.3618	44.973	22.673	509.31	260.45	19.296	113.22	2.6530	38.843
#1	-.00037	-.00120	.00392	.08605	-.00081	-.00058	.00009	.00021	.26121	-.00032
#2	.00015	-.00109	.00757	.06227	.00143	.00197	.00011	.00002	.25159	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00033	F .03907	-.00140	-.00027	F -.01528	-.03270	.00002	.00007	.00046
Stddev	.00018	.00064	.00328	.00122	.00207	.00216	.00461	.00033	.00006	.00027
%RSD	292.79	194.09	8.3993	87.211	761.28	14.107	14.107	1338.2	86.026	58.206
#1	-.00007	-.00012	.04139	-.00054	-.00173	-.01376	-.02944	.00026	.00011	.00065
#2	.00019	.00078	.03675	-.00226	.00119	-.01680	-.03596	-.00021	.00003	.00027
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00195	.04401	-.00055	.00193	-.00056
Stddev	.00012	.00094	.00593	.00010	.00000	.00042
%RSD	246.15	48.458	13.477	19.174	.16184	75.813
#1	.00013	-.00262	.04820	-.00047	.00194	-.00086
#2	-.00004	-.00128	.03981	-.00062	.00193	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3229.0	49884.	5233.4
Stddev	.5	297.	6.3
%RSD	.01652	.59480	.12082
#1	3228.6	50094.	5237.8
#2	3229.3	49675.	5228.9

Sample Name: lcs 280-117356/2-a Acquired: 5/1/2012 16:06:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05164	1.9046	1.0456	.99097	2.0041	.04888	2.1519	48.367	.10220	.49955
Stddev	.00012	.0044	.0050	.00421	.0144	.00019	.0098	.399	.00009	.00147
%RSD	.23217	.23275	.47424	.42517	.71649	.39347	.45454	.82506	.08910	.29405
#1	.05155	1.9015	1.0421	.98799	2.0143	.04902	2.1450	48.650	.10226	.49851
#2	.05172	1.9078	1.0491	.99395	1.9940	.04875	2.1588	48.085	.10213	.50059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20473	.26183	.99484	49.760	.99519	49.908	.51666	1.0329	51.572	.50045
Stddev	.00069	.00088	.01055	.319	.00858	.092	.00093	.0020	.104	.00097
%RSD	.33699	.33563	1.0604	.64069	.86264	.18382	.17934	.19351	.20130	.19402
#1	.20424	.26120	1.0023	49.986	1.0013	49.973	.51732	1.0315	51.646	.49976
#2	.20522	.26245	.98738	49.535	.98912	49.844	.51601	1.0343	51.499	.50113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9436	.50785	.04714	.49007	2.0577	9.8509	F 21.081	2.0294	1.0051	1.0495
Stddev	.0175	.00182	.00532	.00216	.0089	.0792	.169	.0019	.0072	.0035
%RSD	.17617	.35901	11.294	.44091	.42986	.80384	.80384	.09153	.71982	.33710
#1	9.9312	.50656	.04337	.49160	2.0515	9.9069	21.201	2.0307	1.0102	1.0520
#2	9.9560	.50914	.05090	.48855	2.0640	9.7950	20.961	2.0281	1.0000	1.0470
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0240	2.0210	2.2378	.52392	.51797	.49610
Stddev	.0009	.0015	.0207	.00061	.00114	.00186
%RSD	.08651	.07671	.92444	.11652	.22020	.37492
#1	1.0234	2.0221	2.2232	.52348	.51877	.49742
#2	1.0247	2.0199	2.2525	.52435	.51716	.49479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3098.4	47048.	5162.9
Stddev	7.1	169.	19.4
%RSD	.22928	.35892	.37567
#1	3103.5	46928.	5149.1
#2	3093.4	47167.	5176.6

Sample Name: 280-28188-a-13-a Acquired: 5/1/2012 16:08:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00972	-.00332	2.3018	.04015	.00009	-.00415	28.566	.00030	-.00036
Stddev	.00035	.00010	.00127	.0002	.00017	.00005	.00037	.061	.00012	.00026
%RSD	2036.2	1.0533	38.127	.00946	.41207	51.762	8.8391	.21198	39.176	72.648
#1	-.00023	.00965	-.00243	2.3019	.04026	.00006	-.00441	28.523	.00038	-.00054
#2	.00026	.00980	-.00422	2.3016	.04003	.00013	-.00389	28.608	.00022	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00076	.42442	7.4211	.04044	12.652	.00645	.00330	321.13	-.00014
Stddev	.00010	.00012	.00324	.0197	.00350	.019	.00004	.00070	.73	.00054
%RSD	160.53	16.076	.76313	.26527	8.6467	.15093	.55418	21.359	.22650	375.32
#1	-.00014	.00085	.42213	7.4350	.03797	12.665	.00642	.00280	320.61	.00024
#2	.00001	.00068	.42671	7.4072	.04291	12.638	.00647	.00380	321.64	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06557	.00066	54.610	.00010	.00522	6.5764	14.074	.00058	2.3590	.00007
Stddev	.00078	.00144	.234	.00070	.00508	.0244	.052	.00122	.0049	.00029
%RSD	1.1972	219.26	.42763	681.04	97.419	.37047	.37047	210.06	.20567	405.43
#1	.06612	.00167	54.775	.00060	.00162	6.5937	14.110	.00144	2.3556	-.00013
#2	.06501	-.00036	54.445	-.00039	.00881	6.5592	14.037	-.00028	2.3624	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	.00183	.01553	-.00036	.00280	-.00027
Stddev	.00003	.00087	.00780	.00019	.00011	.00145
%RSD	7.0293	47.470	50.247	52.750	3.8246	540.66
#1	.00050	.00122	.02105	-.00023	.00288	-.00129
#2	.00045	.00245	.01001	-.00050	.00272	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.2	45538.	5161.9
Stddev	8.8	11.	1.4
%RSD	.29160	.02429	.02782
#1	3010.0	45530.	5160.9
#2	3022.4	45546.	5162.9

Sample Name: 280-28188-a-13-aSD@5 Acquired: 5/1/2012 16:11:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00259	-.00369	.49529	.00871	.00008	.00173	6.1254	.00023	-.00009
Stddev	.00002	.00045	.00117	.00077	.00020	.00005	.00380	.0206	.00003	.00012
%RSD	3.2002	17.518	31.803	.15555	2.3355	59.032	220.32	.33680	11.926	134.55
#1	.00052	.00291	-.00286	.49584	.00885	.00005	.00441	6.1108	.00025	.00000
#2	.00050	.00227	-.00452	.49475	.00856	.00012	-.00096	6.1400	.00021	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00055	.09522	1.6124	.01067	2.7034	.00155	.00036	68.794	-.00035
Stddev	.00031	.00002	.00014	.0294	.00046	.0088	.00003	.00032	.257	.00010
%RSD	206.67	4.2249	.15119	1.8250	4.2895	.32560	1.8622	89.706	.37365	28.174
#1	-.00007	-.00054	.09512	1.6332	.01100	2.6971	.00157	.00013	68.612	-.00028
#2	.00037	-.00057	.09532	1.5916	.01035	2.7096	.00153	.00059	68.976	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01343	-.00035	11.217	-.00264	.00412	1.3832	2.9600	.00006	.49762	.00002
Stddev	.00106	.00050	.010	.00031	.00449	.0054	.0115	.00062	.00071	.00120
%RSD	7.9181	143.27	.09099	11.591	109.00	.38866	.38866	1120.0	.14202	5341.6
#1	.01268	-.00070	11.224	-.00243	.00730	1.3870	2.9682	.00049	.49712	-.00083
#2	.01418	.00000	11.210	-.00286	.00094	1.3794	2.9519	-.00038	.49812	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00211	.00780	-.00080	.00640	.00037
Stddev	.00029	.00085	.01587	.00002	.00019	.00151
%RSD	282.10	40.156	203.34	2.3355	2.9688	408.13
#1	-.00010	.00271	.01903	-.00078	.00653	.00143
#2	.00031	.00151	-.00342	-.00081	.00626	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3136.8	48222.	5148.8
Stddev	.1	125.	13.5
%RSD	.00164	.25877	.26133
#1	3136.8	48311.	5158.4
#2	3136.7	48134.	5139.3

Sample Name: 280-28188-a-13-b ms Acquired: 5/1/2012 16:13:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05250	1.8888	1.0728	3.2915	2.0654	.04976	F 2.1113	78.601	.10322	.49581
Stddev	.00030	.0045	.0001	.0117	.0040	.00013	.0096	.099	.00033	.00152
%RSD	.57538	.23869	.01031	.35584	.19340	.26079	.45258	.12572	.32199	.30733
#1	.05229	1.8856	1.0727	3.2833	2.0682	.04985	2.1045	78.670	.10299	.49474
#2	.05271	1.8920	1.0728	3.2998	2.0626	.04967	2.1180	78.531	.10346	.49689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20433	.25806	1.4643	58.445	1.0513	60.915	.51453	1.0416	379.54	.49670
Stddev	.00136	.00106	.0034	.028	.0007	.115	.00149	.0038	1.06	.00040
%RSD	.66369	.41091	.22974	.04736	.06662	.18804	.28882	.36473	.27884	.08098
#1	.20337	.25731	1.4619	58.465	1.0508	60.834	.51348	1.0389	380.29	.49642
#2	.20529	.25881	1.4667	58.426	1.0518	60.996	.51559	1.0443	378.79	.49699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.382	.49012	55.250	.49865	2.0868	16.848	36.054	W 2.0186	3.4182	1.0448
Stddev	.007	.00243	.073	.00333	.0016	.108	.230	.0054	.0037	.0001
%RSD	.06414	.49498	.13284	.66748	.07865	.63821	.63821	.26937	.10865	.01450
#1	10.377	.49183	55.198	.49629	2.0857	16.772	35.891	2.0147	3.4209	1.0447
#2	10.387	.48840	55.302	.50100	2.0880	16.924	36.217	2.0224	3.4156	1.0449
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0266	1.8855	2.1535	.52623	.52070	.50119
Stddev	.0045	.0052	.0159	.00245	.00051	.00039
%RSD	.43544	.27731	.73887	.46523	.09749	.07781
#1	1.0235	1.8818	2.1423	.52450	.52105	.50092
#2	1.0298	1.8892	2.1648	.52796	.52034	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2963.5	45455.	5064.2
Stddev	.3	59.	16.9
%RSD	.01082	.13022	.33416
#1	2963.3	45414.	5052.2
#2	2963.8	45497.	5076.1

Sample Name: 280-28188-a-13-c msd Acquired: 5/1/2012 16:15:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05324	1.8735	1.0727	3.2855	2.0757	.04941	F 2.0988	78.232	.10291	.49480
Stddev	.00096	.0034	.0117	.0033	.0131	.00046	.0025	.559	.00023	.00086
%RSD	1.8070	.18118	1.0883	.09936	.62869	.92847	.11764	.71488	.21901	.17293
#1	.05256	1.8711	1.0644	3.2832	2.0665	.04908	2.0971	77.836	.10306	.49540
#2	.05392	1.8759	1.0809	3.2878	2.0849	.04973	2.1005	78.627	.10275	.49419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20446	.26279	1.4473	59.009	1.0434	61.967	.52439	1.0484	382.42	.49299
Stddev	.00028	.00135	.0140	.598	.0076	.175	.00157	.0009	2.74	.00109
%RSD	.13676	.51344	.96830	1.0139	.72956	.28234	.29998	.08691	.71695	.22028
#1	.20466	.26184	1.4374	58.586	1.0380	61.843	.52328	1.0490	380.48	.49375
#2	.20427	.26375	1.4572	59.432	1.0488	62.090	.52551	1.0478	384.36	.49222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.281	.49091	55.282	.49220	2.0783	16.909	36.185	W 2.0184	3.4612	1.0577
Stddev	.005	.00029	.009	.00166	.0076	.191	.408	.0063	.0240	.0080
%RSD	.05313	.05852	.01574	.33700	.36591	1.1269	1.1269	.31276	.69467	.75292
#1	10.285	.49112	55.275	.49103	2.0837	16.774	35.897	2.0228	3.4442	1.0520
#2	10.278	.49071	55.288	.49338	2.0729	17.044	36.473	2.0139	3.4782	1.0633
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0363	1.8801	2.1744	.52807	.52916	.50865
Stddev	.0029	.0009	.0198	.00206	.00011	.00412
%RSD	.28412	.04986	.90877	.39101	.02083	.81039
#1	1.0342	1.8794	2.1884	.52661	.52924	.50573
#2	1.0384	1.8808	2.1605	.52953	.52908	.51156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2965.6	44862.	5069.0
Stddev	1.8	98.	46.3
%RSD	.06236	.21816	.91311
#1	2964.3	44931.	5101.7
#2	2966.9	44793.	5036.3

Sample Name: 280-28188-a-14-a Acquired: 5/1/2012 16:18:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117536 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.05662	-.00286	1.7662	.02132	.00010	-.00274	76.388	.00067	-.00025
Stddev	.00018	.00070	.00078	.0000	.00041	.00001	.00276	.324	.00016	.00007
%RSD	26.451	1.2398	27.276	.00185	1.9084	6.7952	100.84	.42357	23.125	29.785
#1	.00080	.05612	-.00341	1.7662	.02161	.00010	-.00079	76.617	.00056	-.00030
#2	.00054	.05711	-.00231	1.7662	.02103	.00009	-.00470	76.159	.00078	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00062	.03583	7.8339	.04797	26.647	.00550	.00730	203.63	.00017
Stddev	.00005	.00035	.00071	.0159	.00021	.177	.00004	.00052	.83	.00041
%RSD	25.407	56.701	1.9689	.20350	.43552	.66599	.81484	7.1482	.40658	243.58
#1	.00017	.00087	.03633	7.8226	.04783	26.521	.00547	.00693	204.22	-.00012
#2	.00024	.00037	.03533	7.8452	.04812	26.772	.00554	.00767	203.05	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02376	.00059	111.28	-.00033	.00469	6.8903	14.745	.00012	4.9012	.00134
Stddev	.00051	.00050	.25	.00061	.00097	.0670	.143	.00117	.0084	.00015
%RSD	2.1561	86.208	.22639	183.81	20.760	.97313	.97313	958.31	.17207	11.121
#1	.02339	.00094	111.46	-.00077	.00538	6.9377	14.847	-.00071	4.9071	.00123
#2	.02412	.00023	111.10	.00010	.00400	6.8429	14.644	.00095	4.8952	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00181	.00117	.03987	.00022	.00506	-.00101
Stddev	.00004	.00158	.00340	.00073	.00029	.00089
%RSD	2.1875	135.58	8.5395	328.44	5.6589	87.849
#1	.00178	.00229	.04228	.00074	.00486	-.00164
#2	.00184	.00005	.03746	-.00030	.00526	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3039.3	46327.	5096.6
Stddev	15.2	278.	15.0
%RSD	.49993	.60086	.29457
#1	3050.0	46524.	5107.2
#2	3028.5	46130.	5086.0

Sample Name: CCVH-1390999 Acquired: 5/1/2012 16:20:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00118	50.344	-.00379	.00827	.00056	.00007	1.0314	.02814	.00005	.00033	.00030	-.00437
Stddev	.00042	.118	.00417	.00010	.00005	.00003	.0045	.00384	.00026	.00011	.00016	.00043
%RSD	35.450	.23398	110.11	1.2231	8.0748	39.620	.43275	13.633	532.81	32.195	53.547	9.8209
#1	-.00088	50.260	-.00674	.00820	.00059	.00009	1.0346	.03086	-.00014	.00041	.00041	-.00467
#2	-.00147	50.427	-.00084	.00834	.00053	.00005	1.0282	.02543	.00024	.00026	.00019	-.00407
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.359	.24732	.00238	-.02098	.00008	.00088	248.28	.00115	.00102	.00082	5.1060	-.00265
Stddev	.095	.01089	.00002	.00129	.00001	.00094	1.14	.00059	.00045	.00144	.0259	.00015
%RSD	.18932	4.4041	.73724	6.1422	10.462	107.27	.45846	51.093	44.224	176.62	.50812	5.7045
#1	50.292	.23962	.00236	-.02007	.00008	.00155	247.47	.00073	.00134	-.00020	5.1243	-.00276
#2	50.427	.25502	.00239	-.02189	.00007	.00021	249.08	.00157	.00070	.00183	5.0876	-.00254
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00613	-.00865	-.01851	.00225	.00182	5.1772	.00754	.00174	W 10.565	-.00396	.00153	-.04585
Stddev	.00303	.00584	.01250	.00019	.00012	.0370	.00004	.00073	.017	.00002	.00008	.00576
%RSD	49.384	67.555	67.555	8.4478	6.3410	.71494	.47025	41.657	.16044	.45722	4.9653	12.572
#1	.00399	-.01278	-.02734	.00211	.00190	5.1510	.00756	.00226	10.553	-.00398	.00158	-.04178
#2	.00827	-.00452	-.00967	.00238	.00174	5.2033	.00751	.00123	10.577	-.00395	.00147	-.04993
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3089.3	46611.	5083.9
Stddev	1.9	363.	13.5
%RSD	.06234	.77939	.26580
#1	3087.9	46867.	5074.3
#2	3090.7	46354.	5093.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 16:22:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51185	.50680	1.0221	.49810	.50626	.48424	-.00029	4.9334	.51167	.51113	.51439	.51903	2.5383
Stddev	.00059	.00129	.0022	.00454	.00166	.00114	.00005	.0143	.00168	.00072	.00049	.00007	.0115
%RSD	.11542	.25451	.21231	.91129	.32798	.23446	17.562	.29065	.32748	.14040	.09444	.01399	.45347
#1	.51143	.50771	1.0236	.49489	.50743	.48504	-.00025	4.9435	.51049	.51062	.51405	.51908	2.5465
#2	.51227	.50588	1.0206	.50131	.50508	.48344	-.00033	4.9232	.51286	.51164	.51474	.51898	2.5302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.736	.98927	20.070	.51229	.51220	5.2436	.51204	.97224	1.0534	.02378	.99312	1.0264	4.9112
Stddev	.132	.00068	.001	.00022	.00074	.0281	.00166	.00437	.0006	.00453	.00650	.0038	.0380
%RSD	.26474	.06831	.00467	.04346	.14428	.53589	.32450	.44957	.06149	19.053	.65447	.36593	.77411
#1	49.829	.98975	20.069	.51213	.51167	5.2635	.51086	.96915	1.0530	.02058	.98852	1.0238	4.8843
#2	49.642	.98879	20.070	.51245	.51272	5.2237	.51321	.97533	1.0539	.02699	.99771	1.0291	4.9381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.510	1.0264	.50003	.00068	.50445	1.0441	.00627	.51488	.52204	.50548
Stddev	.081	.0009	.00093	.00037	.00006	.0009	.00275	.00106	.00384	.00364
%RSD	.77411	.08507	.18628	53.585	.01271	.08590	43.957	.20498	.73540	.72092
#1	10.452	1.0258	.50068	.00094	.50441	1.0448	.00432	.51413	.51932	.50805
#2	10.567	1.0270	.49937	.00042	.50450	1.0435	.00821	.51562	.52475	.50290
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3155.8	48087.	5100.5
Stddev	.5	174.	19.1
%RSD	.01579	.36211	.37392
#1	3156.2	48210.	5114.0
#2	3155.5	47964.	5087.0

Sample Name: CCB Acquired: 5/1/2012 16:24:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00020	W -.00587	.00295	.00054	.00022	-.00106	.00161	.00014	-.00009	-.00016
Stddev	.00037	.00036	.00017	.00066	.00011	.00010	.00117	.00229	.00011	.00021	.00004
%RSD	431.39	176.32	2.8592	22.528	20.673	43.286	110.26	142.26	75.360	236.69	28.745
#1	-.00018	.00046	-.00576	.00342	.00061	.00016	-.00023	.00323	.00021	.00006	-.00012
#2	.00035	-.00005	-.00599	.00248	.00046	.00029	-.00188	-.00001	.00007	-.00023	-.00019
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00103	.00091	.10525	W .00276	.00315	.00015	.00120	F .24084	.00003	.00003	.00037
Stddev	.00001	.00121	.04189	.00054	.00285	.00004	.00018	.00638	.00000	.00073	.00057
%RSD	1.4340	132.85	39.795	19.462	90.491	26.419	14.820	2.6476	9.5092	2791.2	156.04
#1	-.00104	.00006	.13487	.00238	.00516	.00012	.00108	.24535	.00003	.00054	.00077
#2	-.00102	.00176	.07563	.00314	.00113	.00018	.00133	.23633	.00003	-.00049	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03098	W .00360	.00356	-.00986	-.02110	.00124	.00025	.00009	.00054	-.00048	.01390
Stddev	.00237	.00078	.00053	.01549	.03315	.00055	.00004	.00032	.00027	.00022	.03346
%RSD	7.6578	21.737	14.819	157.15	157.15	44.741	14.155	365.97	49.383	45.078	240.62
#1	.02930	.00305	.00393	.00110	.00235	.00163	.00022	-.00014	.00073	-.00033	.03756
#2	.03265	.00416	.00318	-.02081	-.04454	.00085	.00028	.00031	.00035	-.00064	-.00975
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00011	.00245	-.00073
Stddev	.00003	.00073	.00038
%RSD	27.627	29.916	52.320
#1	-.00009	.00193	-.00046
#2	-.00014	.00296	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3142.4	48268.	5037.3
Stddev	11.1	92.	9.2
%RSD	.35384	.19119	.18230
#1	3134.5	48203.	5043.8
#2	3150.2	48334.	5030.8

Sample Name: CCVL1390952 Acquired: 5/1/2012 16:27:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01119	.10969	.01150	.10346	.01067	.00108	.11904	.20254	.00529	.01099	.01065	.01558	.10168	3.1963
Stddev	.00010	.00121	.00027	.00024	.00018	.00007	.00195	.00126	.00002	.00000	.00026	.00009	.00140	.0033
%RSD	.90940	1.1029	2.3567	.23512	1.7025	6.8029	1.6341	.62135	.31166	.02038	2.4068	.60298	1.3811	.10228
#1	.01126	.11054	.01169	.10329	.01054	.00102	.12042	.20343	.00530	.01099	.01084	.01565	.10267	3.1940
#2	.01112	.10883	.01131	.10363	.01079	.00113	.11767	.20165	.00528	.01100	.01047	.01552	.10069	3.1986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01181	.21616	.01086	.02120	1.2476	.04274	2.9462	.00829	.02180	.00871	.01329	.51480	1.1017	.10905
Stddev	.00017	.00162	.00001	.00009	.0038	.00022	.0098	.00097	.00203	.00009	.00402	.00172	.0037	.00155
%RSD	1.4272	.74824	.07238	.40145	.30519	.50905	.33360	11.673	9.3123	1.0764	30.232	.33430	.33430	1.4253
#1	.01169	.21730	.01087	.02114	1.2449	.04289	2.9531	.00898	.02036	.00865	.01045	.51602	1.1043	.10795
#2	.01193	.21502	.01085	.02126	1.2503	.04259	2.9392	.00761	.02323	.00878	.01613	.51359	1.0991	.11015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01038	.01670	.01026	.01862	.06268	.00979	.02404	.01412
Stddev	.00009	.00109	.00009	.00152	.00039	.00003	.00047	.00119
%RSD	.86777	6.5136	.91677	8.1753	.61646	.32044	1.9633	8.4163
#1	.01032	.01593	.01020	.01755	.06296	.00981	.02370	.01496
#2	.01045	.01747	.01033	.01970	.06241	.00977	.02437	.01328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3252.6	50505.	5221.6
Stddev	5.1	24.	36.9
%RSD	.15704	.04738	.70714
#1	3256.2	50488.	5247.7
#2	3249.0	50522.	5195.5

Sample Name: 280-28188-a-15-a Acquired: 5/1/2012 16:29:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.00518	-.00082	2.2483	.04562	.00008	.00095	30.365	.00041	-.00039
Stddev	.00025	.00039	.00145	.0027	.00029	.00000	.00035	.001	.00008	.00016
%RSD	58.578	7.5906	176.35	.11990	.63472	5.5084	36.523	.00230	19.711	41.533
#1	.00025	.00490	.00020	2.2502	.04583	.00007	.00070	30.365	.00035	-.00050
#2	.00060	.00546	-.00184	2.2464	.04542	.00008	.00119	30.364	.00047	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.00089	.65228	7.4912	.03949	13.307	.02937	.00094	308.39	.00027
Stddev	.00013	.00019	.00446	.0727	.00227	.037	.00016	.00010	.17	.00019
%RSD	83.240	20.837	.68449	.97113	5.7563	.27896	.54057	10.622	.05447	68.073
#1	.00025	.00102	.65544	7.5427	.04110	13.280	.02925	.00087	308.27	.00040
#2	.00007	.00076	.64912	7.4398	.03789	13.333	.02948	.00101	308.51	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07772	-.00020	47.869	.00062	.00629	7.3210	15.667	-.00004	2.4589	-.00005
Stddev	.00059	.00131	.019	.00171	.00306	.0080	.017	.00001	.0008	.00369
%RSD	.76358	647.17	.03993	274.66	48.601	.11001	.11001	15.686	.03062	7767.6
#1	.07814	.00072	47.856	.00183	.00845	7.3267	15.679	-.00004	2.4584	-.00266
#2	.07730	-.00113	47.883	-.00059	.00413	7.3153	15.655	-.00005	2.4595	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	-.00072	.00510	-.00030	.00343	-.00012
Stddev	.00015	.00090	.00602	.00037	.00049	.00117
%RSD	71.810	125.71	118.20	124.83	14.182	962.31
#1	.00032	-.00008	.00935	-.00003	.00309	.00070
#2	.00011	-.00135	.00084	-.00056	.00378	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3044.0	45999.	5170.7
Stddev	4.2	297.	5.6
%RSD	.13838	.64554	.10830
#1	3041.0	46209.	5174.6
#2	3046.9	45789.	5166.7

Sample Name: 280-28188-a-16-a Acquired: 5/1/2012 16:32:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00646	-.00215	1.6434	.06822	.00004	.00070	49.545	.00038	-.00032
Stddev	.00013	.00052	.00170	.0002	.00028	.00003	.00200	.103	.00007	.00013
%RSD	28.552	8.0300	78.905	.01230	.40940	82.172	284.83	.20732	17.703	40.424
#1	.00035	.00683	-.00335	1.6436	.06842	.00002	-.00071	49.473	.00043	-.00023
#2	.00053	.00610	-.00095	1.6433	.06802	.00006	.00212	49.618	.00033	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00105	.00909	6.1598	.03683	14.673	.00564	.00120	180.48	.00033
Stddev	.00028	.00034	.00150	.0351	.00052	.015	.00015	.00007	.12	.00013
%RSD	272.78	32.031	16.450	.57014	1.4247	.10374	2.6125	5.4583	.06688	41.123
#1	-.00009	.00129	.00803	6.1846	.03645	14.663	.00554	.00124	180.57	.00042
#2	.00030	.00081	.01015	6.1349	.03720	14.684	.00574	.00115	180.40	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04038	-.00049	11.109	-.00125	.00445	6.8837	14.731	-.00040	2.8242	-.00106
Stddev	.00167	.00118	.025	.00140	.00012	.0214	.046	.00149	.0022	.00147
%RSD	4.1420	243.93	.22303	111.68	2.7398	.31026	.31026	373.94	.07863	138.98
#1	.04157	.00035	11.126	-.00026	.00437	6.8988	14.764	.00065	2.8258	-.00209
#2	.03920	-.00132	11.091	-.00224	.00454	6.8686	14.699	-.00145	2.8226	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00078	-.00037	.02212	.00007	.00468	.00098
Stddev	.00023	.00116	.01143	.00011	.00060	.00046
%RSD	29.823	314.20	51.683	145.54	12.859	47.492
#1	.00095	.00045	.01403	.00000	.00511	.00065
#2	.00062	-.00118	.03020	.00015	.00425	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3076.2	46938.	5176.5
Stddev	1.7	31.	1.2
%RSD	.05599	.06649	.02383
#1	3077.4	46960.	5175.7
#2	3075.0	46915.	5177.4

Sample Name: 280-28188-a-17-a Acquired: 5/1/2012 16:34:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.01267	-.00401	1.1038	.06536	.00006	-.00175	59.076	.00046	-.00028
Stddev	.00010	.00060	.00433	.0046	.00023	.00003	.00014	.202	.00004	.00038
%RSD	19.123	4.7397	108.04	.41590	.35503	55.380	7.9461	.34259	8.9374	138.60
#1	.00057	.01309	-.00707	1.1071	.06552	.00009	-.00165	59.219	.00043	-.00001
#2	.00043	.01224	-.00095	1.1006	.06519	.00004	-.00185	58.933	.00049	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00228	.12227	5.9031	.03807	16.801	.01926	.00141	120.16	-.00001
Stddev	.00012	.00014	.00183	.0589	.00103	.083	.00002	.00018	.36	.00029
%RSD	52.367	6.0145	1.4988	.99793	2.6959	.49150	.08038	12.586	.29959	2210.7
#1	.00032	.00218	.12356	5.8615	.03880	16.742	.01925	.00153	120.42	.00019
#2	.00015	.00237	.12097	5.9448	.03735	16.859	.01927	.00128	119.91	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02311	-.00005	20.937	.00075	.00187	7.3537	15.737	-.00011	3.2725	.00042
Stddev	.00077	.00176	.055	.00171	.00270	.0150	.032	.00004	.0123	.00079
%RSD	3.3526	3548.7	.26285	228.84	144.49	.20466	.20466	37.599	.37503	189.65
#1	.02257	.00119	20.976	-.00046	-.00004	7.3643	15.760	-.00008	3.2812	.00098
#2	.02366	-.00129	20.898	.00196	.00378	7.3430	15.714	-.00014	3.2638	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00177	.00951	-.00007	.00579	-.00150
Stddev	.00030	.00065	.01888	.00021	.00001	.00223
%RSD	49.760	37.024	198.48	304.51	.21410	149.25
#1	.00039	.00223	-.00384	-.00022	.00578	-.00307
#2	.00082	.00131	.02286	.00008	.00580	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3087.4	47328.	5157.4
Stddev	5.5	289.	37.2
%RSD	.17777	.60996	.72176
#1	3091.3	47533.	5131.0
#2	3083.6	47124.	5183.7

Sample Name: 280-28188-a-18-a Acquired: 5/1/2012 16:36:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.01163	-.00009	2.1486	.05072	.00003	-.00226	29.025	.00027	.00047
Stddev	.00036	.00037	.00092	.0063	.00017	.00000	.00302	.047	.00006	.00024
%RSD	76.928	3.2059	1037.4	.29068	.33720	10.319	133.41	.16324	22.801	50.531
#1	.00072	.01136	.00056	2.1442	.05060	.00003	-.00440	29.058	.00023	.00064
#2	.00021	.01189	-.00074	2.1530	.05084	.00003	-.00013	28.991	.00032	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00172	.55331	7.5117	.03965	12.931	.00527	.00083	314.76	.00126
Stddev	.00011	.00020	.00526	.0503	.00239	.031	.00000	.00004	.39	.00033
%RSD	33.706	11.877	.94994	.66980	6.0197	.23968	.04647	5.1874	.12518	26.173
#1	.00040	.00186	.55703	7.4761	.03796	12.910	.00527	.00080	314.48	.00149
#2	.00025	.00157	.54960	7.5473	.04134	12.953	.00526	.00086	315.04	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04298	.00024	32.589	-.00218	.00497	5.9781	12.793	.00010	2.4881	.00003
Stddev	.00093	.00013	.040	.00097	.00137	.0010	.002	.00003	.0009	.00046
%RSD	2.1582	51.667	.12232	44.519	27.442	.01633	.01633	27.619	.03507	1505.4
#1	.04364	.00016	32.561	-.00286	.00594	5.9774	12.792	.00008	2.4887	.00036
#2	.04233	.00033	32.617	-.00149	.00401	5.9788	12.795	.00012	2.4875	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00131	.01501	-.00014	.00585	.00078
Stddev	.00025	.00136	.01842	.00024	.00028	.00026
%RSD	97.920	104.38	122.71	170.63	4.7561	32.936
#1	.00044	-.00034	.02803	-.00031	.00566	.00097
#2	.00008	-.00227	.00199	.00003	.00605	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3039.9	45977.	5095.7
Stddev	6.9	180.	8.6
%RSD	.22771	.39172	.16841
#1	3044.8	46104.	5089.6
#2	3035.0	45849.	5101.7

Sample Name: 280-28188-a-19-a Acquired: 5/1/2012 16:39:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.00862	.00276	2.2483	.03444	.00004	-.00295	40.158	.00030	.00003
Stddev	.00094	.00042	.00149	.0061	.00026	.00006	.00310	.076	.00028	.00005
%RSD	202.12	4.8743	54.047	.27220	.74386	145.05	105.07	.18999	94.519	193.38
#1	.00112	.00833	.00381	2.2440	.03426	.00000	-.00515	40.104	.00010	-.00001
#2	-.00020	.00892	.00170	2.2526	.03462	.00008	-.00076	40.212	.00050	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00086	.22731	8.3918	.04224	16.543	.00291	.00074	349.68	.00042
Stddev	.00007	.00030	.00049	.0484	.00023	.013	.00006	.00004	1.24	.00032
%RSD	20.039	35.074	.21558	.57640	.54346	.07802	2.1018	5.9948	.35590	75.961
#1	.00041	.00107	.22766	8.3576	.04241	16.552	.00287	.00077	348.80	.00019
#2	.00031	.00065	.22696	8.4260	.04208	16.534	.00296	.00071	350.56	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05062	-.00226	69.147	-.00087	.00699	6.3784	13.650	.00034	3.0787	.00063
Stddev	.00022	.00024	.147	.00023	.00108	.0269	.058	.00084	.0075	.00015
%RSD	.43814	10.416	.21228	26.430	15.423	.42232	.42232	249.76	.24332	23.454
#1	.05077	-.00209	69.044	-.00071	.00775	6.3593	13.609	-.00026	3.0734	.00053
#2	.05046	-.00242	69.251	-.00104	.00622	6.3974	13.690	.00093	3.0840	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00150	.00743	.00016	.00330	.00030
Stddev	.00002	.00227	.00088	.00028	.00045	.00179
%RSD	4.4506	151.48	11.778	172.27	13.682	586.25
#1	.00047	.00311	.00805	.00036	.00298	.00157
#2	.00044	-.00011	.00681	-.00004	.00362	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3008.9	45916.	5160.6
Stddev	4.7	8.	2.7
%RSD	.15539	.01811	.05196
#1	3012.2	45922.	5158.7
#2	3005.6	45910.	5162.5

Sample Name: 280-28188-a-20-a Acquired: 5/1/2012 16:41:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00306	-.00279	1.9011	.01752	.00004	-.00295	172.88	.00088	-.00005
Stddev	.00118	.00071	.00374	.0060	.00021	.00006	.00026	.21	.00004	.00025
%RSD	215.57	23.396	134.14	.31598	1.1798	151.94	8.7653	.11885	4.9524	473.75
#1	.00138	.00356	-.00014	1.8969	.01766	.00000	-.00277	173.02	.00091	.00013
#2	-.00029	.00255	-.00543	1.9054	.01737	.00008	-.00314	172.73	.00085	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00081	.82986	11.658	.06597	66.595	.06365	.00279	240.41	.00075
Stddev	.00016	.00022	.00728	.021	.00183	.027	.00003	.00018	.08	.00021
%RSD	94.441	27.595	.87729	.17957	2.7682	.04086	.04955	6.3464	.03363	28.447
#1	.00028	.00097	.82471	11.643	.06468	66.576	.06362	.00267	240.47	.00090
#2	.00006	.00065	.83501	11.672	.06726	66.615	.06367	.00292	240.36	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03079	.00100	F 271.36	-.00034	.00510	8.8139	18.862	-.00023	W 10.966	.00018
Stddev	.00210	.00057	.54	.00051	.00040	.0031	.007	.00118	.141	.00281
%RSD	6.8204	56.586	.20021	152.75	7.9350	.03513	.03513	517.05	1.2849	1536.4
#1	.03228	.00140	270.97	-.00070	.00539	8.8161	18.866	.00060	11.066	-.00180
#2	.02931	.00060	271.74	.00003	.00482	8.8117	18.857	-.00106	10.866	.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.00049	-.00939	.00034	.00393	-.00093
Stddev	.00006	.00025	.00667	.00029	.00023	.00072
%RSD	13.847	51.256	70.996	86.113	5.8284	77.531
#1	.00039	.00067	-.00468	.00054	.00409	-.00042
#2	.00047	.00031	-.01411	.00013	.00377	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2985.1	45346.	5122.4
Stddev	6.6	12.	4.9
%RSD	.22065	.02602	.09630
#1	2980.4	45338.	5125.9
#2	2989.7	45355.	5118.9

Sample Name: 280-28188-a-21-a Acquired: 5/1/2012 16:44:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.01706	-.00103	.61773	.01736	.00003	-.00343	240.89	.00071	-.00015
Stddev	.00011	.00111	.00100	.00152	.00003	.00008	.00115	1.88	.00001	.00011
%RSD	111.90	6.5141	97.935	.24604	.19245	257.45	33.401	.78231	1.5808	75.748
#1	.00002	.01627	-.00032	.61665	.01734	-.00003	-.00262	242.22	.00071	-.00007
#2	.00017	.01784	-.00174	.61880	.01739	.00009	-.00425	239.56	.00072	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00078	.02954	11.048	.07185	57.915	.02797	.00303	115.68	.00761
Stddev	.00024	.00033	.00155	.004	.00132	.064	.00014	.00025	.11	.00014
%RSD	38.949	42.958	5.2503	.03248	1.8305	.11099	.50695	8.2860	.09093	1.9031
#1	.00079	.00054	.03064	11.050	.07092	57.869	.02787	.00321	115.61	.00772
#2	.00045	.00101	.02845	11.045	.07278	57.960	.02807	.00285	115.76	.00751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02067	.00034	F 248.81	-.00146	.00455	10.200	21.827	-.00027	W 10.467	-.00063
Stddev	.00142	.00156	.20	.00087	.00112	.037	.078	.00075	.032	.00088
%RSD	6.8625	457.36	.07868	59.733	24.613	.35868	.35868	276.36	.30091	140.54
#1	.02167	.00144	248.67	-.00208	.00534	10.174	21.772	.00026	10.489	.00000
#2	.01966	-.00076	248.95	-.00085	.00375	10.226	21.883	-.00081	10.444	-.00125
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00091	.00114	.02505	.00111	.00798	-.00143
Stddev	.00005	.00144	.00068	.00003	.00014	.00014
%RSD	5.0603	126.49	2.6988	3.0222	1.7917	9.7717
#1	.00088	.00012	.02457	.00109	.00788	-.00153
#2	.00095	.00216	.02553	.00114	.00808	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2982.8	46205.	5154.8
Stddev	.8	107.	7.5
%RSD	.02574	.23068	.14471
#1	2983.3	46281.	5149.5
#2	2982.2	46130.	5160.0

Sample Name: 280-28188-a-22-a Acquired: 5/1/2012 16:46:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00261	-.00192	2.1355	.01801	.00008	-.00498	132.39	.00063	-.00021
Stddev	.00007	.00131	.00288	.0034	.00007	.00002	.00164	.06	.00015	.00015
%RSD	54.049	49.978	150.01	.15693	.39665	21.504	32.891	.04435	23.998	71.002
#1	.00008	.00169	.00012	2.1379	.01796	.00009	-.00382	132.35	.00052	-.00032
#2	.00018	.00353	-.00396	2.1332	.01806	.00007	-.00614	132.43	.00074	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00137	.00533	11.272	.06762	51.662	.02711	.00145	310.31	.00040
Stddev	.00024	.00043	.00023	.093	.00000	.007	.00006	.00057	.84	.00018
%RSD	55.650	31.208	4.3829	.82305	.00141	.01290	.22644	39.381	.27028	45.852
#1	.00059	.00107	.00549	11.206	.06762	51.667	.02707	.00185	309.71	.00027
#2	.00026	.00168	.00516	11.337	.06762	51.657	.02715	.00104	310.90	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02665	-.00020	F 260.71	-.00255	.00229	9.1835	19.653	-.00117	W 8.5300	-.00074
Stddev	.00070	.00114	.23	.00021	.00387	.0354	.076	.00136	.0476	.00048
%RSD	2.6101	579.54	.08772	8.3892	169.09	.38581	.38581	115.67	.55775	64.713
#1	.02616	-.00101	260.87	-.00240	.00503	9.1585	19.599	-.00021	8.5636	-.00040
#2	.02714	.00061	260.55	-.00270	-.00045	9.2086	19.706	-.00213	8.4964	-.00107
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00309	.02125	-.00005	.00342	-.00142
Stddev	.00022	.00169	.00528	.00067	.00059	.00084
%RSD	96.353	54.569	24.843	1301.5	17.107	58.792
#1	.00039	.00428	.02498	.00042	.00384	-.00201
#2	.00007	.00190	.01752	-.00052	.00301	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2988.8	45753.	5137.7
Stddev	4.8	166.	1.3
%RSD	.16143	.36367	.02451
#1	2992.2	45635.	5138.6
#2	2985.4	45871.	5136.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 16:49:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00145	50.066	-.00109	.00842	.00048	.00006	1.0326	.08045	.00023	.00045	.00033	-.00393
Stddev	.00009	.454	.00128	.00024	.00011	.00005	.0023	.01028	.00001	.00029	.00017	.00002
%RSD	5.8767	.90709	117.93	2.8162	23.013	83.070	.22081	12.783	2.6135	63.488	51.656	.39132
#1	-.00139	49.745	-.00199	.00859	.00056	.00003	1.0310	.08772	.00022	.00066	.00045	-.00394
#2	-.00151	50.387	-.00018	.00826	.00040	.00010	1.0342	.07317	.00023	.00025	.00021	-.00391
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.917	.16022	.00506	-.01300	.00010	.00040	247.99	.00094	.00426	.00032	5.1114	-.00261
Stddev	.413	.02838	.00147	.00156	.00005	.00010	2.12	.00046	.00286	.00068	.0030	.00134
%RSD	.82671	17.714	29.071	12.005	47.997	24.885	.85600	48.332	67.110	215.05	.05811	51.263
#1	49.626	.18029	.00402	-.01190	.00013	.00033	246.49	.00062	.00224	-.00016	5.1093	-.00166
#2	50.209	.14015	.00609	-.01410	.00006	.00047	249.49	.00127	.00628	.00080	5.1135	-.00356
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00961	.01274	.02726	.00359	.00519	5.1077	.00744	.00077	W 10.534	-.00450	.00139	-.03902
Stddev	.00108	.00848	.01815	.00084	.00075	.0005	.00029	.00091	.019	.00001	.00066	.00009
%RSD	11.243	66.597	66.597	23.525	14.543	.01028	3.9294	118.47	.17629	.32288	47.507	.22324
#1	.00885	.00674	.01442	.00299	.00572	5.1073	.00765	.00141	10.521	-.00449	.00092	-.03908
#2	.01037	.01874	.04010	.00418	.00466	5.1081	.00723	.00012	10.547	-.00451	.00186	-.03896
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3116.9	47378.	5179.4
Stddev	6.9	111.	30.1
%RSD	.21984	.23444	.58111
#1	3121.8	47456.	5200.7
#2	3112.1	47299.	5158.1

Sample Name: CCV-1390955 Acquired: 5/1/2012 16:51:32 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50864	.50175	1.0122	.49543	.50315	.48235	-.00335	4.9164	.51022	.50902	.51161	.51500	2.5422
Stddev	.00194	.00014	.0046	.00033	.00182	.00089	.00143	.0071	.00151	.00000	.00090	.00313	.0068
%RSD	.38129	.02754	.45512	.06673	.36188	.18439	42.597	.14375	.29628	.00036	.17508	.60810	.26866
#1	.51001	.50185	1.0155	.49520	.50186	.48172	-.00234	4.9114	.50915	.50902	.51097	.51721	2.5373
#2	.50727	.50165	1.0090	.49567	.50444	.48298	-.00435	4.9214	.51129	.50902	.51224	.51279	2.5470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.553	.98728	19.807	.50607	.51017	5.2570	.50764	.96058	1.0444	.03355	.98727	1.0182	4.9036
Stddev	.105	.00296	.077	.00178	.00026	.0202	.00129	.00367	.0036	.00069	.00307	.0010	.0255
%RSD	.21173	.30000	.39079	.35191	.05019	.38372	.25489	.38253	.34062	2.0689	.31112	.09432	.52041
#1	49.479	.98518	19.862	.50733	.51035	5.2712	.50672	.96318	1.0419	.03404	.98945	1.0176	4.9217
#2	49.628	.98937	19.752	.50481	.50999	5.2427	.50855	.95798	1.0469	.03306	.98510	1.0189	4.8856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.494	1.0167	.49890	.00015	.49962	1.0370	.01204	.50902	.51641	.50674
Stddev	.055	.0013	.00188	.00256	.00070	.0040	.00325	.00205	.00200	.00285
%RSD	.52041	.12879	.37769	1717.4	.14002	.38878	27.016	.40354	.38778	.56157
#1	10.532	1.0158	.49756	-.00166	.50012	1.0398	.01434	.51047	.51783	.50472
#2	10.455	1.0176	.50023	.00196	.49913	1.0341	.00974	.50757	.51500	.50875
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3179.8	48701.	5180.0
Stddev	.4	161.	4.2
%RSD	.01115	.33090	.08161
#1	3180.1	48587.	5177.1
#2	3179.6	48815.	5183.0

Sample Name: CCB Acquired: 5/1/2012 16:53:46 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00032	W -.00476	.00328	.00034	.00032	-.00287	.00450	.00011	-.00015	.00013
Stddev	.00003	.00010	.00080	.00033	.00006	.00002	.00129	.00132	.00004	.00016	.00005
%RSD	12.908	31.994	16.757	10.007	18.031	5.1195	45.141	29.379	33.983	101.46	36.821
#1	.00024	.00039	-.00532	.00305	.00039	.00033	-.00195	.00543	.00014	-.00004	.00016
#2	.00020	.00025	-.00419	.00351	.00030	.00031	-.00378	.00356	.00009	-.00027	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00103	.00658	.08916	-.00147	.00562	.00017	.00095	F .27474	-.00027	.00041	.00051
Stddev	.00049	.00775	.00136	.00119	.00162	.00002	.00002	.02377	.00032	.00156	.00082
%RSD	47.825	117.90	1.5260	80.660	28.776	12.461	2.0017	8.6507	121.91	379.51	160.65
#1	-.00068	.01206	.08820	-.00063	.00677	.00015	.00093	.29154	-.00050	.00152	.00109
#2	-.00138	.00109	.09012	-.00231	.00448	.00018	.00096	.25793	-.00004	-.00069	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03778	-.00013	.00015	-.00131	-.00280	.00138	W .00036	.00003	.00021	-.00062	.02618
Stddev	.00525	.00097	.00398	.03339	.07146	.00053	.00002	.00131	.00013	.00024	.01999
%RSD	13.890	743.89	2588.4	2548.0	2548.0	38.208	5.2240	4117.5	59.853	38.165	76.367
#1	.03407	-.00081	-.00266	-.02492	-.05333	.00101	.00038	.00096	.00012	-.00078	.01204
#2	.04149	.00055	.00297	.02230	.04772	.00175	.00035	-.00089	.00030	-.00045	.04031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00030				
Low Limit							-.00030				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00010	.00143	-.00057
Stddev	.00020	.00052	.00134
%RSD	198.33	36.343	235.90
#1	.00004	.00179	.00038
#2	-.00024	.00106	-.00152
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3178.1	49005.	5112.3
Stddev	.4	86.	6.9
%RSD	.01152	.17630	.13504
#1	3177.8	49066.	5117.2
#2	3178.3	48944.	5107.4

Sample Name: CCVL1390952 Acquired: 5/1/2012 16:56:11 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01096	.10809	.01110	.10350	.01048	.00099	.11999	.20195	.00537	.01084	.01085	.01524	.10362
Stddev	.00025	.00175	.00014	.00044	.00005	.00001	.00071	.00059	.00014	.00038	.00019	.00001	.00189
%RSD	2.2792	1.6210	1.2175	.42879	.51124	.66174	.59253	.29034	2.5427	3.5132	1.7198	.07032	1.8198
#1	.01078	.10933	.01101	.10381	.01044	.00099	.12050	.20237	.00547	.01058	.01071	.01525	.10495
#2	.01114	.10685	.01120	.10318	.01052	.00100	.11949	.20154	.00527	.01111	.01098	.01524	.10229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1752	.01101	.21494	.01073	.02087	F 1.3000	.04285	2.9065	.00878	.01947	.00728	.01559	.48956
Stddev	.0152	.00246	.00603	.00014	.00014	.0143	.00000	.0041	.00242	.00611	.00182	.00127	.00678
%RSD	.47856	22.324	2.8053	1.3239	.66493	1.1014	.00665	.14199	27.535	31.399	24.931	8.1439	1.3849
#1	3.1860	.01275	.21068	.01063	.02097	1.2899	.04286	2.9036	.01049	.01515	.00857	.01649	.48476
#2	3.1645	.00928	.21920	.01083	.02077	1.3102	.04285	2.9094	.00707	.02379	.00600	.01469	.49435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0477	.10704	.01043	.01522	.01038	.01746	F .09256	.01029	.02341	.01665
Stddev	.0145	.00025	.00009	.00132	.00040	.00137	.01592	.00036	.00015	.00162
%RSD	1.3849	.23372	.88799	8.6944	3.8453	7.8683	17.202	3.5168	.62417	9.7361
#1	1.0374	.10686	.01050	.01429	.01067	.01843	.10382	.01004	.02330	.01780
#2	1.0579	.10721	.01037	.01616	.01010	.01648	.08130	.01055	.02351	.01551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3263.6	50358.	5187.3
Stddev	7.0	69.	1.7
%RSD	.21582	.13704	.03359
#1	3268.6	50406.	5188.5
#2	3258.6	50309.	5186.0

Sample Name: 280-28188-a-23-a Acquired: 5/1/2012 16:58:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.01852	-.00094	1.7702	.01524	.00010	-.00125	116.35	.00071	-.00027
Stddev	.00062	.00008	.00304	.0064	.00016	.00001	.00227	.20	.00007	.00010
%RSD	583.41	.42978	324.16	.35936	1.0378	6.8099	180.97	.17280	9.7988	37.389
#1	-.00033	.01846	.00121	1.7747	.01512	.00009	-.00286	116.49	.00066	-.00020
#2	.00055	.01858	-.00308	1.7657	.01535	.00010	.00035	116.21	.00076	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00075	.12973	7.9675	.04706	36.553	.00879	.00079	190.21	-.00025
Stddev	.00019	.00036	.00122	.0322	.00260	.169	.00005	.00004	.15	.00080
%RSD	94.461	48.618	.93991	.40419	5.5347	.46267	.61371	5.2305	.07727	314.31
#1	.00034	.00100	.13059	7.9902	.04890	36.673	.00883	.00076	190.11	.00031
#2	.00007	.00049	.12887	7.9447	.04522	36.434	.00875	.00082	190.32	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01206	.00098	154.47	-.00103	.00073	8.8030	18.838	.00114	W 6.6806	-.00106
Stddev	.00246	.00171	.99	.00193	.00497	.0030	.006	.00139	.0275	.00207
%RSD	20.381	174.46	.64141	187.18	684.01	.03363	.03363	122.02	.41107	194.25
#1	.01032	.00219	155.17	-.00239	-.00279	8.8009	18.834	.00016	6.6612	.00040
#2	.01379	-.00023	153.76	.00033	.00424	8.8051	18.843	.00213	6.7001	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00103	.01518	.00013	.00628	.00008
Stddev	.00029	.00085	.01311	.00013	.00054	.00266
%RSD	27.401	82.931	86.339	100.57	8.5662	3158.3
#1	.00128	.00163	.00591	.00004	.00666	-.00180
#2	.00087	.00042	.02445	.00022	.00590	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2954.7	44188.	5090.6
Stddev	43.7	18.	122.8
%RSD	1.4779	.04111	2.4124
#1	2985.6	44175.	5177.5
#2	2923.9	44201.	5003.8

Sample Name: 280-28188-a-24-a Acquired: 5/1/2012 17:01:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00984	-.00606	1.7950	.01552	.00009	-.00473	99.517	.00051	-.00019
Stddev	.00025	.00005	.00135	.0006	.00009	.00003	.00022	.235	.00003	.00023
%RSD	57.971	.47013	22.232	.03053	.61218	27.051	4.6908	.23619	6.7024	121.53
#1	.00060	.00988	-.00702	1.7954	.01545	.00011	-.00489	99.351	.00049	-.00003
#2	.00025	.00981	-.00511	1.7946	.01558	.00008	-.00458	99.683	.00054	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00099	.02278	8.4818	.05425	33.819	.00740	.00236	223.47	-.00007
Stddev	.00003	.00004	.00321	.0053	.00288	.178	.00001	.00011	.44	.00000
%RSD	18.158	4.4818	14.069	.06232	5.3050	.52609	.14073	4.5986	.19823	4.0886
#1	.00015	.00096	.02505	8.4856	.05628	33.694	.00741	.00229	223.16	-.00007
#2	.00020	.00102	.02052	8.4781	.05221	33.945	.00739	.00244	223.79	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02879	.00053	154.05	-.00130	-.00157	7.9392	16.990	-.00066	W 5.9352	.00120
Stddev	.00249	.00032	.15	.00176	.00292	.0316	.068	.00023	.0213	.00046
%RSD	8.6638	60.858	.09744	135.01	186.04	.39744	.39744	34.980	.35854	37.934
#1	.02703	.00076	153.94	-.00255	.00050	7.9169	16.942	-.00049	5.9202	.00153
#2	.03056	.00030	154.15	-.00006	-.00363	7.9615	17.038	-.00082	5.9503	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00060	-.00565	-.00008	.00374	-.00141
Stddev	.00004	.00081	.00402	.00054	.00094	.00029
%RSD	6.8474	135.62	71.024	698.00	25.022	20.437
#1	.00062	.00002	-.00281	.00030	.00441	-.00120
#2	.00057	.00117	-.00849	-.00046	.00308	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.4	46240.	5144.9
Stddev	6.7	154.	20.3
%RSD	.21963	.33390	.39485
#1	3029.7	46349.	5159.3
#2	3039.1	46131.	5130.6

Sample Name: 280-28188-a-25-a Acquired: 5/1/2012 17:03:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	1.6254	.00004	.02531	.04873	.00015	-.00244	341.86	.00025	.00199
Stddev	.00042	.0006	.00264	.00143	.00041	.00000	.00164	5.31	.00025	.00023
%RSD	79.494	.03543	6549.5	5.6519	.84291	.36373	67.397	1.5523	98.313	11.664
#1	.00082	1.6250	-.00182	.02632	.04844	.00015	-.00127	338.11	.00042	.00215
#2	.00023	1.6258	.00190	.02429	.04903	.00015	-.00360	345.61	.00008	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00422	.00184	1.3777	1.4447	.00739	5.7573	2.0167	.00000	32.495	.00652
Stddev	.00015	.00039	.0075	.0328	.00241	.0309	.0047	.0002	.566	.00007
%RSD	3.4963	20.965	.54144	2.2706	32.533	.53693	.23489	7017.2	1.7429	1.0632
#1	.00432	.00211	1.3724	1.4215	.00910	5.7792	2.0200	.00017	32.094	.00647
#2	.00411	.00156	1.3830	1.4679	.00569	5.7355	2.0133	-.00017	32.895	.00657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.85579	.00049	59.279	-.00166	.00552	9.4527	20.229	.00001	1.7798	.00176
Stddev	.01738	.00084	.022	.00069	.00623	.0886	.190	.00017	.0088	.00022
%RSD	2.0313	170.20	.03662	41.372	112.95	.93727	.93727	1607.5	.49153	12.282
#1	.84350	-.00010	59.264	-.00118	.00992	9.3900	20.095	-.00011	1.7736	.00160
#2	.86808	.00108	59.294	-.00215	.00111	9.5153	20.363	.00013	1.7860	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03878	.00137	-.03482	.00261	.00822	.00017
Stddev	.00193	.00106	.02206	.00029	.00059	.00091
%RSD	4.9900	77.328	63.359	11.237	7.1488	526.18
#1	.03741	.00212	-.01922	.00282	.00864	.00081
#2	.04015	.00062	-.05042	.00241	.00780	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2998.6	44369.	5065.8
Stddev	19.2	239.	118.2
%RSD	.64106	.53941	2.3332
#1	3012.2	44538.	5149.4
#2	2985.1	44200.	4982.2

Sample Name: 280-28188-a-26-a Acquired: 5/1/2012 17:05:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.02967	-.00419	1.5621	.07048	.00009	-.00359	40.732	.00050	-.00016
Stddev	.00019	.00016	.00007	.0019	.00029	.00003	.00488	.111	.00009	.00012
%RSD	31.300	.55132	1.5946	.12216	.40578	30.806	135.99	.27164	18.892	78.931
#1	.00048	.02956	-.00415	1.5634	.07028	.00007	-.00014	40.810	.00056	-.00007
#2	.00076	.02979	-.00424	1.5607	.07068	.00010	-.00704	40.653	.00043	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00035	.07018	6.8099	.03620	16.028	.00294	.00239	151.79	-.00021
Stddev	.00001	.00012	.00247	.0170	.00219	.064	.00017	.00040	.12	.00006
%RSD	3.0510	33.503	3.5261	.24927	6.0608	.40003	5.8282	16.786	.07939	26.401
#1	.00030	.00043	.07193	6.8219	.03464	16.073	.00306	.00267	151.71	-.00025
#2	.00029	.00027	.06843	6.7979	.03775	15.982	.00282	.00211	151.88	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05202	.00023	17.676	-.00063	-.00008	7.1021	15.199	.00040	2.9506	.00167
Stddev	.00457	.00099	.017	.00067	.00063	.0408	.087	.00074	.0060	.00078
%RSD	8.7821	437.10	.09397	107.33	808.05	.57373	.57373	184.59	.20183	46.692
#1	.05525	.00093	17.688	-.00110	.00037	7.1310	15.260	.00093	2.9548	.00112
#2	.04879	-.00047	17.664	-.00015	-.00052	7.0733	15.137	-.00012	2.9464	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	.00130	.00030	.00074	.00380	-.00045
Stddev	.00002	.00027	.02310	.00028	.00004	.00086
%RSD	2.0366	20.765	7710.7	38.025	1.0590	189.51
#1	.00083	.00149	-.01603	.00054	.00377	-.00106
#2	.00086	.00111	.01663	.00094	.00383	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3080.0	45668.	5152.1
Stddev	3.9	164.	7.5
%RSD	.12764	.35872	.14479
#1	3077.2	45784.	5157.4
#2	3082.8	45552.	5146.8

Sample Name: 280-28188-a-27-a Acquired: 5/1/2012 17:08:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.01675	-.00164	1.9414	.05015	.00004	-.00448	42.315	.00048	-.00013
Stddev	.00001	.00050	.00337	.0115	.00024	.00005	.00209	.118	.00003	.00023
%RSD	1.0527	2.9716	205.82	.59295	.48514	110.91	46.660	.27979	7.1293	171.54
#1	.00076	.01640	-.00402	1.9333	.05032	.00008	-.00596	42.399	.00050	.00003
#2	.00077	.01710	.00075	1.9496	.04998	.00001	-.00300	42.232	.00046	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00091	.05406	6.7602	.03225	16.683	.01004	.00263	187.64	-.00008
Stddev	.00003	.00019	.00024	.0426	.00130	.027	.00006	.00006	.51	.00011
%RSD	11.607	20.845	.44361	.62965	4.0375	.16215	.61815	2.3524	.27033	139.00
#1	.00023	.00077	.05423	6.7903	.03133	16.702	.01009	.00267	188.00	-.00016
#2	.00027	.00104	.05389	6.7301	.03317	16.664	.01000	.00259	187.28	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04460	.00004	24.143	-.00300	.00080	5.8151	12.444	.00003	3.1423	.00033
Stddev	.00105	.00058	.117	.00020	.00623	.0045	.010	.00005	.0051	.00002
%RSD	2.3578	1606.3	.48354	6.7920	781.99	.07694	.07694	190.44	.16219	5.7458
#1	.04385	-.00037	24.060	-.00314	.00520	5.8183	12.451	.00007	3.1459	.00035
#2	.04534	.00044	24.225	-.00285	-.00361	5.8120	12.438	-.00001	3.1387	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.00030	-.00253	.00015	.00362	.00148
Stddev	.00011	.00067	.01918	.00010	.00024	.00004
%RSD	17.041	221.20	756.78	62.609	6.5206	2.4772
#1	.00059	-.00017	-.01610	.00022	.00378	.00146
#2	.00075	.00077	.01103	.00008	.00345	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3078.4	46947.	5201.5
Stddev	5.6	77.	27.5
%RSD	.18182	.16333	.52781
#1	3082.4	46893.	5182.1
#2	3074.5	47001.	5220.9

Sample Name: 280-28188-a-28-a Acquired: 5/1/2012 17:10:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.04165	-.00188	1.9137	.04975	.00004	-.00419	40.722	.00038	-.00029
Stddev	.00080	.00116	.00153	.0070	.00057	.00004	.00101	.329	.00003	.00012
%RSD	633.57	2.7796	81.345	.36556	1.1406	81.972	23.978	.80911	7.1197	42.349
#1	.00044	.04247	-.00080	1.9087	.04935	.00007	-.00348	40.489	.00036	-.00020
#2	-.00069	.04083	-.00296	1.9186	.05015	.00002	-.00490	40.955	.00039	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00083	.05423	6.5521	.03135	15.542	.00689	.00202	185.55	.00015
Stddev	.00011	.00046	.00388	.0597	.00004	.052	.00006	.00004	.99	.00033
%RSD	32.318	54.974	7.1450	.91059	.12337	.33654	.83198	1.9680	.53242	217.42
#1	.00043	.00051	.05697	6.5099	.03137	15.505	.00685	.00199	184.85	-.00008
#2	.00027	.00116	.05149	6.5943	.03132	15.578	.00693	.00205	186.25	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04275	-.00051	21.748	-.00031	.00227	5.9909	12.820	.00020	2.9532	.00068
Stddev	.00208	.00055	.009	.00074	.00065	.0434	.093	.00005	.0159	.00046
%RSD	4.8681	109.17	.04317	241.40	28.609	.72456	.72456	25.490	.53690	67.433
#1	.04422	-.00090	21.741	.00022	.00181	5.9602	12.755	.00024	2.9420	.00036
#2	.04128	-.00012	21.755	-.00083	.00273	6.0216	12.886	.00017	2.9644	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00106	.00086	.01177	.00023	.00374	-.00060
Stddev	.00036	.00012	.01120	.00024	.00043	.00046
%RSD	33.978	13.483	95.209	102.63	11.545	75.317
#1	.00132	.00078	.01969	.00006	.00344	-.00093
#2	.00081	.00095	.00385	.00040	.00405	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3086.0	47292.	5215.0
Stddev	4.2	63.	33.4
%RSD	.13566	.13337	.64123
#1	3089.0	47336.	5238.6
#2	3083.0	47247.	5191.3

Sample Name: 280-28188-a-29-a Acquired: 5/1/2012 17:12:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.04339	-.00253	2.1926	.03455	.00009	-.00506	42.701	.00047	.00194
Stddev	.00003	.00056	.00314	.0015	.00016	.00003	.00261	.085	.00008	.00002
%RSD	3.4250	1.2961	124.23	.06887	.47352	36.746	51.573	.19825	17.593	1.2223
#1	.00071	.04378	-.00475	2.1915	.03467	.00006	-.00691	42.761	.00053	.00195
#2	.00075	.04299	-.00031	2.1936	.03444	.00011	-.00322	42.642	.00041	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00171	1.3180	7.9299	.03725	18.085	.18205	.00115	269.80	.00097
Stddev	.00019	.00022	.0048	.0050	.00218	.008	.00014	.00045	.05	.00023
%RSD	63.780	12.774	.36736	.06353	5.8498	.04592	.07926	39.173	.01969	23.954
#1	.00017	.00187	1.3214	7.9264	.03571	18.079	.18216	.00147	269.84	.00081
#2	.00044	.00156	1.3145	7.9335	.03879	18.091	.18195	.00083	269.76	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11566	-.00082	64.191	-.00156	.00799	6.1437	13.148	.00018	3.3992	-.00109
Stddev	.00277	.00008	.048	.00233	.00140	.0485	.104	.00089	.0018	.00000
%RSD	2.3960	9.8595	.07422	148.80	17.540	.78868	.78868	490.09	.05253	.06712
#1	.11370	-.00076	64.224	.00008	.00700	6.1780	13.221	.00081	3.4005	-.00109
#2	.11762	-.00088	64.157	-.00321	.00898	6.1095	13.074	-.00045	3.3979	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.00174	-.02182	.00015	.00505	-.00002
Stddev	.00011	.00426	.00669	.00008	.00025	.00182
%RSD	12.375	244.38	30.689	52.617	4.9964	11265.
#1	.00079	.00476	-.01708	.00021	.00487	-.00131
#2	.00094	-.00127	-.02655	.00010	.00523	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3064.9	46533.	5200.1
Stddev	2.7	6.	13.5
%RSD	.08902	.01387	.25964
#1	3066.9	46538.	5190.5
#2	3063.0	46529.	5209.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 17:15:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00155	50.254	-.00276	.00934	.00054	.00004	1.0355	.03066	.00018	.00021	.00052	-.00451
Stddev	.00033	.100	.00223	.00063	.00015	.00002	.0011	.00766	.00018	.00031	.00017	.00001
%RSD	21.515	.19985	80.930	6.7483	27.404	42.158	.10384	24.972	96.565	145.09	33.009	.23205
#1	-.00178	50.325	-.00434	.00890	.00044	.00005	1.0363	.03607	.00031	.00043	.00040	-.00451
#2	-.00131	50.183	-.00118	.00979	.00065	.00003	1.0348	.02525	.00006	-.00001	.00064	-.00450
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.126	.13759	.00465	-.02023	.00023	.00000	249.05	.00164	.00603	-.00051	5.1329	-.00033
Stddev	.227	.05660	.00014	.00205	.00004	.0003	.26	.00016	.00050	.00122	.0182	.00089
%RSD	.45367	41.136	3.0725	10.128	17.955	9917.0	.10432	9.6197	8.2629	237.82	.35393	269.58
#1	50.287	.09757	.00475	-.02167	.00026	-.00024	248.87	.00153	.00638	-.00137	5.1457	-.00096
#2	49.965	.17761	.00455	-.01878	.00020	.00023	249.23	.00175	.00567	.00035	5.1200	.00030
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00565	.02098	.04489	.00312	.00222	5.1677	.00780	.00260	W 10.572	-.00451	.00190	-.04653
Stddev	.00187	.03080	.06591	.00060	.00031	.0248	.00036	.00142	.057	.00039	.00020	.00049
%RSD	33.160	146.84	146.84	19.293	13.962	.48055	4.5547	54.483	.53989	8.6583	10.703	1.0489
#1	.00433	-.00080	-.00172	.00355	.00244	5.1502	.00805	.00360	10.532	-.00479	.00205	-.04687
#2	.00698	.04275	.09149	.00270	.00200	5.1853	.00755	.00160	10.613	-.00423	.00176	-.04618
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3129.0	47459.	5165.8
Stddev	2.0	131.	3.5
%RSD	.06299	.27656	.06747
#1	3130.4	47552.	5168.3
#2	3127.6	47366.	5163.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 17:17:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50706	.50670	1.0069	.50121	.50494	.48701	-.00244	4.9504	.51222	.51039	.51230	.51364	2.5390
Stddev	.00013	.00019	.0022	.00047	.00145	.00080	.00045	.0131	.00032	.00017	.00072	.00232	.0016
%RSD	.02573	.03773	.22251	.09458	.28755	.16442	18.398	.26507	.06150	.03295	.13964	.45192	.06167
#1	.50697	.50656	1.0085	.50155	.50392	.48757	-.00276	4.9411	.51245	.51051	.51281	.51200	2.5401
#2	.50715	.50684	1.0053	.50088	.50597	.48644	-.00213	4.9596	.51200	.51027	.51180	.51529	2.5379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.582	.99789	19.733	.50330	.51159	5.3165	.51085	.97627	1.0510	.02030	.99865	1.0177	4.9144
Stddev	.129	.00086	.100	.00191	.00055	.0357	.00042	.00174	.0015	.00024	.00089	.0036	.0254
%RSD	.26037	.08647	.50845	.37872	.10771	.67065	.08126	.17872	.14197	1.1892	.08882	.35562	.51685
#1	49.673	.99850	19.662	.50195	.51198	5.3417	.51114	.97503	1.0520	.02047	.99802	1.0202	4.9324
#2	49.490	.99728	19.804	.50465	.51120	5.2913	.51056	.97750	1.0499	.02013	.99928	1.0151	4.8965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.517	1.0213	.49881	.00213	.50102	1.0429	.01445	.51122	.51377	.50181
Stddev	.054	.0022	.00042	.00205	.00106	.0001	.03391	.00060	.00189	.00521
%RSD	.51685	.21509	.08517	96.219	.21129	.01050	234.74	.11648	.36774	1.0374
#1	10.555	1.0229	.49851	.00357	.50027	1.0430	.03843	.51080	.51243	.49813
#2	10.478	1.0198	.49911	.00068	.50177	1.0428	-.00953	.51164	.51511	.50549
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3181.3	49121.	5182.0
Stddev	8.2	168.	37.5
%RSD	.25889	.34209	.72392
#1	3175.5	49239.	5155.5
#2	3187.1	49002.	5208.5

Sample Name: CCB Acquired: 5/1/2012 17:19:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.00018	-.00070	.00408	.00016	.00035	-.00253	.00385	.00006	-.00010	-.00018	-.00077
Stddev	.00013	.00030	.00288	.00013	.00012	.00005	.00437	.00163	.00003	.00012	.00022	.00001
%RSD	20.611	166.35	414.47	3.1571	75.005	14.407	172.38	42.371	53.079	118.61	124.41	.71700
#1	.00073	.00040	.00134	.00417	.00008	.00031	-.00562	.00500	.00009	-.00019	-.00002	-.00076
#2	.00054	-.00003	-.00274	.00398	.00024	.00038	.00055	.00270	.00004	-.00002	-.00033	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00235	.06813	W .00296	.00307	.00014	.00050	F .23296	-.00022	.00340	.00044	.02323	.00141
Stddev	.00051	.00836	.00092	.00263	.00006	.00019	.00003	.00001	.00064	.00081	.00666	.00060
%RSD	21.612	12.265	31.040	85.615	44.175	38.283	.01411	5.5835	18.719	185.89	28.653	42.748
#1	.00271	.07403	.00231	.00493	.00018	.00037	.23294	-.00022	.00385	.00101	.02794	.00183
#2	.00199	.06222	.00361	.00121	.00010	.00064	.23299	-.00023	.00295	-.00014	.01852	.00098
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.18320					
Low Limit			-.00261				-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00432	.00459	.00983	.00126	.00027	.00059	-.00014	.00105	.01324	.00009	.00178	-.00071
Stddev	.00158	.01144	.02448	.00057	.00013	.00034	.00015	.00035	.03056	.00011	.00036	.00187
%RSD	36.519	249.11	249.11	45.366	49.150	56.511	111.79	33.002	230.82	128.41	20.151	264.51
#1	.00320	-.00350	-.00748	.00166	.00036	.00083	-.00003	.00130	.03484	.00001	.00204	.00061
#2	.00543	.01268	.02713	.00085	.00017	.00036	-.00024	.00081	-.00837	.00017	.00153	-.00202
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3170.4	49106.	5146.7
Stddev	5.5	287.	3.3
%RSD	.17351	.58488	.06495
#1	3166.5	49309.	5149.1
#2	3174.2	48903.	5144.4

Sample Name: CCVL1390952 Acquired: 5/1/2012 17:22:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01060	.10612	.01401	.10198	.01044	.00101	.11947	.20227	.00524	.01091	.01052	.01483	.10136
Stddev	.00020	.00009	.00091	.00046	.00012	.00001	.00455	.00003	.00008	.00016	.00005	.00061	.00105
%RSD	1.8561	.08050	6.4950	.45391	1.1452	.63550	3.8103	.01710	1.5472	1.5100	.49052	4.0895	1.0373
#1	.01046	.10606	.01337	.10231	.01036	.00101	.12269	.20225	.00518	.01103	.01056	.01525	.10210
#2	.01074	.10618	.01465	.10165	.01053	.00102	.11625	.20230	.00529	.01079	.01049	.01440	.10061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1229	.01098	.20930	.01063	.02048	1.2275	.04194	2.8620	.00923	.01407	.00813	.01559	.48851
Stddev	.0321	.00113	.00002	.00002	.00014	.0002	.00031	.0067	.00216	.00061	.00072	.00253	.00357
%RSD	1.0278	10.284	.01028	.18959	.68929	.01617	.73301	.23346	23.446	4.3563	8.8526	16.262	.73039
#1	3.1456	.01178	.20929	.01062	.02058	1.2276	.04172	2.8668	.00770	.01451	.00762	.01379	.49104
#2	3.1002	.01018	.20932	.01065	.02038	1.2274	.04215	2.8573	.01076	.01364	.00864	.01738	.48599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0454	.10486	.01027	.01686	.01006	.01846	F .09110	.00995	.02404	.01388
Stddev	.0076	.00022	.00002	.00144	.00009	.00034	.02953	.00024	.00089	.00050
%RSD	.73039	.20822	.16774	8.5722	.93432	1.8458	32.413	2.3985	3.7040	3.6156
#1	1.0508	.10470	.01026	.01788	.00999	.01822	.11198	.00978	.02341	.01424
#2	1.0400	.10501	.01028	.01583	.01012	.01870	.07022	.01012	.02467	.01353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3272.4	50282.	5229.4
Stddev	8.0	340.	6.0
%RSD	.24417	.67701	.11494
#1	3266.8	50523.	5225.1
#2	3278.1	50042.	5233.6

Sample Name: 280-28154-A-2-A Acquired: 5/1/2012 17:24:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117228 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW .83187	k 10.298	s 1.6988	s .09148	W 20.865	k .00065	sF 1.8374	37.877	s .06712	s .22037
Stddev	.00260	.054	.0949	.00646	.363	.00001	.0874	.267	.00382	.01261
%RSD	.31242	.52349	5.5844	7.0664	1.7392	1.9687	4.7571	.70444	5.6886	5.7244
#1	k .83003	k 10.336	s 1.7659	s .09605	21.122	k .00064	s 1.8992	38.066	s .06982	s .22929
#2	k .83371	k 10.260	s 1.6318	s .08691	20.609	k .00066	s 1.7756	37.688	s .06442	s .21145
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000				10.000		.10000			
Low Limit	-.01000				-.01000		-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .23367	^ *****	k 76.830	2.3162	.01259	k 5.9829	k 1.4914	s .37333	6.5181	s 1.6623
Stddev	.01373	-----	.507	.0444	.00270	.0143	.0022	.02097	.0308	.0972
%RSD	5.8777	-----	.65995	1.9159	21.470	.23879	.14607	5.6173	.47203	5.8454
#1	s .24339	^ -----	k 77.189	2.3476	.01068	k 5.9728	k 1.4899	s .38816	6.5399	s 1.7311
#2	s .22396	^ -----	k 76.472	2.2848	.01451	k 5.9931	k 1.4930	s .35850	6.4964	s 1.5936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sW 13.026	^ *****	s 56.231	s .43785	s 2.3274	k 1.1281	k 2.4141	s .08584	.42472	k .10925
Stddev	.709	-----	3.277	.03308	.1209	.0034	.0074	.00677	.00272	.00053
%RSD	5.4414	-----	5.8269	7.5561	5.1940	.30568	.30568	7.8908	.64085	.48884
#1	s 13.528	^ -----	s 58.548	s .46124	s 2.4128	k 1.1305	k 2.4193	s .09063	.42664	k .10887
#2	s 12.525	^ -----	s 53.914	s .41445	s 2.2419	k 1.1257	k 2.4089	s .08105	.42279	k .10963
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .24712	s .00183	k .04781	kF -.02202	k 2.0268	k .01430
Stddev	.00034	.00180	.03308	.00044	.0029	.00056
%RSD	.13906	97.930	69.200	1.9880	.14256	3.8912
#1	k .24736	s .00311	k .07120	k -.02171	k 2.0248	k .01470
#2	k .24687	s .00056	k .02441	k -.02233	k 2.0289	k .01391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				50.000		
Low Limit				-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	46403.	5226.1
Stddev	-----	67.	19.4
%RSD	-----	.14368	.37173
#1	^ -----	46355.	5212.3
#2	^ -----	46450.	5239.8

Sample Name: 280-28154-A-2-A@5 Acquired: 5/1/2012 17:27:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117228 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW .16643	s 2.2963	s .24463	s .01524	4.2464	k .00018	sF .28882	7.8524	s .00967	s .03303
Stddev	.00104	.1122	.01376	.00015	.0133	.00002	.02126	.0226	.00039	.00151
%RSD	.62428	4.8846	5.6264	.97360	.31225	13.284	7.3623	.28755	4.0311	4.5646
#1	k .16569	s 2.2170	s .23490	s .01513	4.2370	k .00020	s .27378	7.8364	s .00939	s .03196
#2	k .16716	s 2.3756	s .25437	s .01534	4.2558	k .00017	s .30385	7.8683	s .00994	s .03409
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .03505	^ *****	15.564	.49946	.00310	k 1.3098	k .30488	s .05463	1.3731	s .25211
Stddev	.00149	-----	.021	.01137	.00201	.0060	.00145	.00339	.0025	.01252
%RSD	4.2588	-----	.13359	2.2760	64.778	.45631	.47677	6.2041	.18355	4.9670
#1	s .03399	^ -----	15.549	.49142	.00452	k 1.3055	k .30385	s .05224	1.3749	s .24326
#2	s .03610	^ -----	15.578	.50750	.00168	k 1.3140	k .30590	s .05703	1.3713	s .26097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s 1.8919	s .15184	s 8.4163	s .06689	s .36221	k .20964	k .44863	s .01419	.08662	k .01128
Stddev	.0952	.00904	.3979	.00637	.02353	.01626	.03479	.00115	.00029	.00029
%RSD	5.0317	5.9541	4.7282	9.5255	6.4963	7.7551	7.7551	8.1001	.33241	2.5862
#1	s 1.8246	s .14545	s 8.1349	s .06238	s .34557	k .22114	k .47323	s .01338	.08642	k .01107
#2	s 1.9592	s .15824	s 8.6976	s .07140	s .37885	k .19814	k .42403	s .01500	.08683	k .01148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .05010	s .00262	k .01692	k -.00515	k .41888	k .00277
Stddev	.00000	.00039	.02908	.00003	.00363	.00140
%RSD	.00671	14.810	171.90	.53823	.86764	50.503
#1	k .05010	s .00289	k .03748	k -.00517	k .41631	k .00376
#2	k .05010	s .00234	k -.00365	k -.00513	k .42145	k .00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	49225.	5174.5
Stddev	-----	30.	58.8
%RSD	-----	.06185	1.1354
#1	^ -----	49246.	5216.1
#2	^ -----	49203.	5133.0

Sample Name: 280-28154-A-2-A@50 Acquired: 5/1/2012 17:29:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117228 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01745	.21819	.01932	.00106	.41537	-.00002	.02931	.77142	.00073	.00298
Stddev	.00040	.00032	.00033	.00002	.00104	.00004	.00148	.00055	.00001	.00008
%RSD	2.2843	.14631	1.6877	1.8269	.25092	233.69	5.0401	.07097	1.7365	2.6795
#1	.01717	.21796	.01955	.00107	.41610	-.00004	.03035	.77104	.00072	.00303
#2	.01773	.21841	.01909	.00105	.41463	.00001	.02826	.77181	.00074	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00299	F 65.680	1.5352	.04704	.00138	.13436	.03056	.00464	.17844	.02207
Stddev	.00001	.088	.0108	.00504	.00123	.00065	.00010	.00045	.00930	.00013
%RSD	.48582	.13325	.70158	10.711	89.531	.48137	.32071	9.7946	5.2113	.59163
#1	.00298	65.742	1.5428	.05060	.00051	.13481	.03063	.00432	.17187	.02197
#2	.00300	65.618	1.5275	.04347	.00225	.13390	.03050	.00497	.18502	.02216
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000								
Low Limit		-.02000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16447	.01941	.74843	.00534	.03325	.00212	.00455	.00256	.00857	.00166
Stddev	.00099	.00078	.00777	.00350	.00180	.00968	.02072	.00054	.00019	.00263
%RSD	.60309	4.0200	1.0382	65.517	5.4123	455.81	455.81	20.986	2.1912	159.11
#1	.16377	.01996	.74293	.00287	.03197	.00897	.01920	.00218	.00870	.00352
#2	.16517	.01886	.75392	.00781	.03452	-.00472	-.01011	.00294	.00844	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00472	.00064	.01798	-.00083	.04397	-.00096
Stddev	.00023	.00085	.00229	.00048	.00032	.00068
%RSD	4.8128	132.08	12.720	57.995	.72507	70.357
#1	.00488	.00004	.01637	-.00118	.04375	-.00144
#2	.00456	.00124	.01960	-.00049	.04420	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3224.6	48308.	5195.1
Stddev	5.2	20.	50.8
%RSD	.16263	.04177	.97798
#1	3220.8	48322.	5231.1
#2	3228.3	48294.	5159.2

Sample Name: CCVH-1390999 Acquired: 5/1/2012 17:31:49 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00123	48.214	.00216	.00316	.00138	.00012	1.0038	.00843	.00008	.00032	.00029	.04633	48.260
Stddev	.00011	.054	.00122	.00046	.00008	.00006	.0003	.00315	.00017	.00008	.00015	.00604	.156
%RSD	9.2263	.11216	56.287	14.547	5.8919	54.299	.03070	37.388	198.05	26.280	51.137	13.041	.32348
#1	-.00131	48.252	.00302	.00348	.00132	.00016	1.0041	.00620	.00020	.00038	.00018	.05060	48.370
#2	-.00115	48.176	.00130	.00283	.00143	.00007	1.0036	.01066	-.00003	.00026	.00039	.04206	48.150
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04578	.00135	-.02220	.00028	.00029	239.23	.00096	-.00059	-.00179	4.9536	-.00099	.00941	.00658
Stddev	.01185	.00221	.00011	.00006	.00042	.26	.00032	.00000	.00219	.0078	.00242	.00224	.00367
%RSD	25.885	163.63	.49817	19.643	145.07	.10972	32.864	.10783	122.57	.15849	244.92	23.846	55.813
#1	.03740	-.00021	-.02212	.00032	.00059	239.42	.00119	-.00059	-.00334	4.9480	.00072	.00782	.00917
#2	.05416	.00292	-.02228	.00024	-.00001	239.05	.00074	-.00059	-.00024	4.9591	-.00270	.01100	.00398
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01407	.00262	.00036	4.9752	.00757	-.00056	10.209	-.00409	.00164	-.04298
Stddev	.00785	.00130	.00011	.0050	.00026	.00162	.015	.00007	.00011	.00397
%RSD	55.813	49.612	32.103	.10087	3.4660	290.28	.14454	1.6494	6.4012	9.2433
#1	.01962	.00354	.00027	4.9787	.00738	.00059	10.219	-.00404	.00157	-.04579
#2	.00852	.00170	.00044	4.9716	.00776	-.00171	10.198	-.00414	.00172	-.04017
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3154.4	47720.	5235.5
Stddev	6.8	71.	14.0
%RSD	.21480	.14982	.26788
#1	3149.6	47770.	5225.6
#2	3159.2	47669.	5245.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 17:34:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49117	.48795	.98629	.47543	.48563	.46307	-.00393	4.7455	.49414	.49179	.49426	.51702	2.4348
Stddev	.00053	.00144	.00624	.00264	.00023	.00026	.00121	.0106	.00005	.00144	.00082	.00127	.0101
%RSD	.10853	.29456	.63238	.55475	.04729	.05687	30.827	.22338	.00922	.29316	.16614	.24599	.41663
#1	.49079	.48693	.98188	.47357	.48547	.46326	-.00308	4.7530	.49411	.49077	.49368	.51792	2.4420
#2	.49155	.48896	.99070	.47730	.48579	.46288	-.00479	4.7380	.49417	.49281	.49484	.51612	2.4276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.628	.94877	19.156	.48858	.49278	4.8425	.49119	.93258	1.0154	.02105	.95817	.98777	4.6594
Stddev	.095	.00203	.030	.00013	.00082	.0040	.00158	.00121	.0010	.00446	.00349	.00428	.0179
%RSD	.19849	.21400	.15705	.02683	.16664	.08269	.32076	.12990	.09606	21.174	.36401	.43358	.38505
#1	47.695	.95021	19.177	.48867	.49220	4.8453	.49007	.93172	1.0147	.02421	.95570	.98474	4.6721
#2	47.561	.94733	19.135	.48848	.49336	4.8396	.49230	.93344	1.0161	.01790	.96064	.99080	4.6467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9712	.98798	.47917	.00208	.48271	1.0079	.00891	.49359	.50113	.48273
Stddev	.0384	.00341	.00007	.00034	.00079	.0017	.02248	.00154	.00241	.00067
%RSD	.38505	.34465	.01369	16.139	.16458	.16594	252.21	.31157	.48117	.13783
#1	9.9983	.98557	.47922	.00231	.48215	1.0068	.02481	.49250	.50283	.48320
#2	9.9440	.99039	.47912	.00184	.48327	1.0091	-.00698	.49468	.49942	.48226
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3224.8	49178.	5269.4
Stddev	2.2	36.	23.3
%RSD	.06889	.07411	.44139
#1	3226.4	49152.	5253.0
#2	3223.3	49204.	5285.9

Sample Name: CCB Acquired: 5/1/2012 17:36:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00087	.00038	-.00221	.00077	.00057	.00031	-.00296	.00287	.00025	-.00013	-.00003	F .00939	.00049
Stddev	.00023	.00027	.00165	.00078	.00013	.00003	.00146	.00114	.00020	.00004	.00001	.00039	.00051
%RSD	26.392	72.686	74.820	101.07	23.131	9.0084	49.365	39.672	80.189	32.282	56.207	4.1425	103.86
#1	.00071	.00018	-.00338	.00132	.00066	.00033	-.00192	.00206	.00039	-.00016	-.00004	.00966	.00085
#2	.00103	.00057	-.00104	.00022	.00047	.00029	-.00399	.00367	.00011	-.00010	-.00002	.00911	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit												.00272	
Low Limit												-.00272	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04735	.00139	.00735	.00011	.00075	.06576	-.00001	-.00023	.00019	.01703	-.00001	.00370	.01299
Stddev	.00248	.00046	.00175	.00000	.00053	.00085	.00030	.00008	.00033	.00381	.00031	.00046	.00200
%RSD	5.2434	33.371	23.756	3.1156	70.374	1.2972	2614.5	35.287	171.68	22.356	3994.8	12.550	15.383
#1	.04910	.00171	.00859	.00011	.00038	.06515	-.00022	-.00028	.00042	.01434	.00021	.00337	.01157
#2	.04559	.00106	.00612	.00011	.00112	.06636	.00020	-.00017	-.00004	.01972	-.00023	.00403	.01440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02779	.00126	.00027	-.00141	.00020	.00039	.03236	-.00036	.00208	-.00056
Stddev	.00427	.00065	.00010	.00155	.00004	.00311	.00121	.00028	.00037	.00077
%RSD	15.383	51.415	37.851	110.18	21.447	795.85	3.7415	79.138	17.961	138.18
#1	.02477	.00080	.00034	-.00031	.00017	-.00181	.03150	-.00056	.00182	-.00001
#2	.03081	.00172	.00020	-.00251	.00023	.00259	.03321	-.00016	.00235	-.00110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3223.8	49775.	5205.3
Stddev	13.6	79.	11.9
%RSD	.42107	.15831	.22857
#1	3233.4	49720.	5213.7
#2	3214.2	49831.	5196.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 17:38:46 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01054	.10414	.01194	.09813	.01042	.00097	.11297	.19033	.00532	.01017	.01019	F .02015	.09879
Stddev	.00005	.00006	.00180	.00092	.00015	.00001	.00309	.00438	.00004	.00019	.00021	.00036	.00199
%RSD	.51959	.05442	15.074	.94035	1.4791	.91462	2.7386	2.2992	.76636	1.8205	2.0417	1.7825	2.0158
#1	.01058	.10418	.01322	.09878	.01053	.00098	.11516	.18724	.00529	.01030	.01004	.02041	.10019
#2	.01050	.10410	.01067	.09747	.01031	.00097	.11078	.19343	.00535	.01004	.01034	.01990	.09738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												30.000%	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0346	.01202	.20864	.01033	.02019	1.0407	.04126	2.8308	.00923	.01204	F .00691	.01666	.46539
Stddev	.0311	.00021	.00024	.00002	.00011	.0145	.00003	.0042	.00006	.00026	.00004	.00291	.01611
%RSD	1.0235	1.7796	.11439	.15153	.55707	1.3926	.08120	.14898	.61027	2.1902	.62001	17.461	3.4606
#1	3.0127	.01218	.20847	.01035	.02011	1.0304	.04128	2.8278	.00927	.01223	.00688	.01872	.45401
#2	3.0566	.01187	.20880	.01032	.02027	1.0509	.04124	2.8338	.00919	.01185	.00694	.01461	.47678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99594	.10512	.00998	.01504	.00995	.01667	F .09332	.01011	.02210	.01369
Stddev	.03447	.00081	.00011	.00022	.00003	.00062	.02302	.00043	.00002	.00216
%RSD	3.4606	.77245	1.0553	1.4883	.26087	3.7307	24.663	4.2162	.08700	15.809
#1	.97157	.10569	.00990	.01488	.00997	.01623	.07705	.00981	.02211	.01216
#2	1.0203	.10454	.01005	.01520	.00993	.01711	.10960	.01041	.02209	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3289.0	50922.	5278.7
Stddev	5.4	75.	26.4
%RSD	.16455	.14673	.49928
#1	3292.8	50869.	5297.4
#2	3285.2	50975.	5260.1

Sample Name: MB 280-117232/1-A Acquired: 5/1/2012 17:41:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	.00537	-.00169	.00043	.00026	.00001	-.00072	.01167	.00020	-.00015
Stddev	.00039	.00005	.00251	.00036	.00010	.00006	.00120	.00707	.00004	.00011
%RSD	66.058	.84660	148.64	83.164	38.673	727.61	166.70	60.600	18.393	77.277
#1	.00086	.00540	.00009	.00018	.00019	.00005	-.00157	.00667	.00022	-.00023
#2	.00031	.00534	-.00347	.00068	.00033	-.00004	.00013	.01666	.00017	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00194	.00967	.08195	.00257	.00275	.00025	-.00017	.04879	-.00057
Stddev	.00011	.00027	.00141	.01017	.00202	.00115	.00000	.00007	.00108	.00017
%RSD	298.80	13.807	14.563	12.408	78.861	41.932	1.6032	38.657	2.2217	30.349
#1	.00012	.00213	.00867	.07476	.00400	.00193	.00025	-.00012	.04955	-.00044
#2	-.00004	.00175	.01066	.08914	.00114	.00356	.00024	-.00021	.04802	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00329	.00090	F .01816	-.00195	-.00122	W -.00910	-.01948	-.00014	.00006	.00188
Stddev	.00077	.00003	.00286	.00052	.00039	.00498	.01065	.00010	.00011	.00112
%RSD	23.328	3.6872	15.755	26.645	31.509	54.688	54.688	70.033	187.37	59.938
#1	.00275	.00093	.01614	-.00158	-.00095	-.01262	-.02701	-.00021	.00013	.00108
#2	.00384	.00088	.02019	-.00231	-.00149	-.00558	-.01195	-.00007	-.00002	.00267
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	-.00119	-.01502	-.00019	.00178	-.00130
Stddev	.00002	.00228	.00208	.00013	.00007	.00040
%RSD	8.6220	190.97	13.816	70.377	4.1688	30.799
#1	-.00026	.00042	-.01649	-.00028	.00172	-.00159
#2	-.00023	-.00281	-.01355	-.00009	.00183	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3268.0	50675.	5273.7
Stddev	20.7	95.	5.5
%RSD	.63470	.18769	.10409
#1	3253.4	50742.	5277.5
#2	3282.7	50607.	5269.8

Sample Name: LCS 280-117232/2-A Acquired: 5/1/2012 17:43:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05084	1.8528	1.0076	1.0184	1.9597	.04754	2.0850	47.242	.09924	.48524
Stddev	.00037	.0070	.0005	.0006	.0016	.00026	.0010	.095	.00063	.00075
%RSD	.72752	.37994	.04624	.05778	.08334	.55568	.04808	.20014	.63834	.15454
#1	.05110	1.8479	1.0079	1.0188	1.9585	.04735	2.0843	47.176	.09880	.48471
#2	.05058	1.8578	1.0073	1.0180	1.9608	.04772	2.0857	47.309	.09969	.48577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19806	.25310	.98029	48.539	.96622	48.144	.49639	1.0616	49.920	.48626
Stddev	.00003	.00094	.00051	.006	.00073	.073	.00105	.0014	.202	.00163
%RSD	.01467	.37129	.05235	.01194	.07590	.15267	.21084	.13159	.40479	.33576
#1	.19808	.25376	.97993	48.543	.96570	48.196	.49713	1.0606	49.777	.48511
#2	.19804	.25243	.98065	48.535	.96674	48.092	.49565	1.0626	50.063	.48741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6237	.49300	.03479	.50074	1.9941	10.154	F 21.730	2.0927	.98117	1.0093
Stddev	.0202	.00044	.00283	.00010	.0033	.053	.113	.0041	.00031	.0016
%RSD	.20948	.08932	8.1313	.02055	.16550	.52067	.52067	.19569	.03126	.15765
#1	9.6379	.49269	.03679	.50066	1.9964	10.117	21.650	2.0956	.98139	1.0104
#2	9.6094	.49331	.03279	.50081	1.9918	10.192	21.810	2.0898	.98095	1.0081
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0494	1.9703	2.1315	.50730	.50285	.51497
Stddev	.0001	.0006	.0344	.00173	.00116	.00087
%RSD	.00510	.03044	1.6126	.34093	.23015	.16838
#1	1.0494	1.9699	2.1558	.50853	.50203	.51436
#2	1.0495	1.9707	2.1072	.50608	.50367	.51558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3148.9	48090.	5239.6
Stddev	5.0	108.	22.2
%RSD	.15864	.22516	.42464
#1	3152.4	48166.	5255.3
#2	3145.3	48013.	5223.8

Sample Name: 280-28156-A-1-B Acquired: 5/1/2012 17:45:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.02365	-.00478	.28332	.00146	.00008	.00091	.12764	.00021	-.00017
Stddev	.00052	.00032	.00198	.00204	.00003	.00010	.00181	.00075	.00001	.00014
%RSD	226.59	1.3533	41.393	.71936	1.7856	119.08	199.03	.58467	3.2746	78.849
#1	.00060	.02387	-.00338	.28476	.00148	.00001	-.00037	.12817	.00022	-.00008
#2	-.00014	.02342	-.00617	.28188	.00144	.00015	.00219	.12711	.00021	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00005	.00437	.04441	.00267	.01819	.00022	.00186	.58944	-.00006
Stddev	.00002	.00026	.00085	.01669	.00088	.00326	.00001	.00053	.00694	.00021
%RSD	4.6661	549.00	19.484	37.575	32.974	17.948	4.3751	28.286	1.1779	333.21
#1	.00032	.00023	.00377	.05621	.00205	.02049	.00022	.00149	.59435	-.00021
#2	.00034	-.00013	.00497	.03261	.00330	.01588	.00021	.00223	.58453	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00555	-.00013	.02352	-.00155	.00199	.70184	1.5019	.00107	.00069	.00210
Stddev	.00019	.00042	.00058	.00025	.00535	.00341	.0073	.00022	.00009	.00055
%RSD	3.4477	334.95	2.4770	16.252	268.53	.48584	.48584	20.612	13.740	26.204
#1	.00569	.00017	.02311	-.00137	-.00179	.70426	1.5071	.00091	.00075	.00249
#2	.00542	-.00043	.02393	-.00173	.00578	.69943	1.4968	.00122	.00062	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00091	.00114	.02044	-.00025	.00205	.00084
Stddev	.00022	.00042	.00283	.00006	.00063	.00001
%RSD	23.838	37.158	13.863	24.297	30.499	.64833
#1	.00107	.00144	.02244	-.00021	.00161	.00083
#2	.00076	.00084	.01843	-.00030	.00249	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3300.0	50797.	5300.9
Stddev	1.1	91.	44.3
%RSD	.03285	.17841	.83663
#1	3300.7	50862.	5269.5
#2	3299.2	50733.	5332.2

Sample Name: 280-28156-A-2-B Acquired: 5/1/2012 17:48:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.02590	.10606	.20174	1.3259	.00107	-.00570	43.726	.00025	.07052
Stddev	.00010	.00024	.00274	.00175	.0036	.00002	.00042	.120	.00004	.00029
%RSD	24.176	.92679	2.5859	.86631	.26988	1.7277	7.2870	.27396	17.715	.40417
#1	.00034	.02607	.10412	.20050	1.3234	.00106	-.00600	43.642	.00022	.07072
#2	.00049	.02573	.10799	.20297	1.3285	.00109	-.00541	43.811	.00028	.07032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00804	47.464	4.7327	.00580	30.913	1.6378	-.00084	166.65	.03138
Stddev	.00011	.00025	.307	.0195	.00131	.002	.0029	.00002	.59	.00014
%RSD	26.091	3.1022	.64720	.41271	22.673	.00502	.17425	2.9622	.35569	.46130
#1	.00052	.00822	47.247	4.7189	.00487	30.912	1.6399	-.00085	166.23	.03149
#2	.00036	.00787	47.681	4.7466	.00673	30.914	1.6358	-.00082	167.07	.03128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23945	-.00033	1.7777	-.00287	.00321	21.916	46.900	.00021	1.0090	-.00069
Stddev	.00188	.00016	.0054	.00106	.00497	.096	.205	.00061	.0028	.00025
%RSD	.78599	49.517	.30415	37.048	154.73	.43817	.43817	284.60	.28101	36.937
#1	.23812	-.00044	1.7815	-.00211	-.00030	21.848	46.754	.00064	1.0070	-.00087
#2	.24078	-.00021	1.7739	-.00362	.00672	21.984	47.045	-.00022	1.0110	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00099	-.01509	.00092	.01880	-.00102
Stddev	.00027	.00100	.01292	.00028	.00029	.00085
%RSD	90.444	101.38	85.617	30.906	1.5372	83.132
#1	.00011	.00028	-.02423	.00072	.01859	-.00163
#2	.00049	.00170	-.00595	.00112	.01900	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3174.1	48190.	5381.9
Stddev	4.3	142.	8.6
%RSD	.13473	.29418	.16051
#1	3177.2	48090.	5388.0
#2	3171.1	48290.	5375.8

Sample Name: 280-28156-A-3-B Acquired: 5/1/2012 17:50:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.02337	.17136	.19947	1.3116	.00116	-.00203	43.470	-.00005	.06879
Stddev	.00015	.00121	.00137	.00043	.0057	.00004	.00132	.195	.00020	.00035
%RSD	41.081	5.1566	.80099	.21489	.43131	3.3329	64.853	.44847	397.39	.51275
#1	.00046	.02422	.17233	.19977	1.3076	.00113	-.00297	43.333	-.00019	.06904
#2	.00025	.02252	.17039	.19916	1.3156	.00119	-.00110	43.608	.00009	.06854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00063	.00209	48.573	4.7360	.00580	30.327	1.6026	-.00097	165.42	.03054
Stddev	.00001	.00014	.254	.0133	.00100	.136	.0048	.00007	1.47	.00005
%RSD	.95181	6.5337	.52355	.28023	17.157	.44922	.29740	7.3209	.88733	.14744
#1	.00063	.00199	48.394	4.7266	.00651	30.231	1.5993	-.00092	164.38	.03051
#2	.00064	.00219	48.753	4.7454	.00510	30.423	1.6060	-.00102	166.46	.03058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25083	.00021	1.7451	-.00139	.00156	21.986	47.051	-.00046	.99696	-.00134
Stddev	.00638	.00048	.0105	.00052	.00069	.152	.326	.00137	.00497	.00072
%RSD	2.5444	226.70	.60424	37.553	44.179	.69322	.69322	296.22	.49896	53.771
#1	.24632	.00055	1.7376	-.00176	.00205	21.878	46.820	.00051	.99345	-.00185
#2	.25535	-.00013	1.7525	-.00102	.00107	22.094	47.281	-.00143	1.0005	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00056	-.00654	.00056	.01598	-.00020
Stddev	.00030	.00043	.02944	.00010	.00035	.00097
%RSD	48.370	75.756	449.80	17.868	2.1933	493.85
#1	.00040	.00086	.01427	.00063	.01573	.00049
#2	.00082	.00026	-.02736	.00049	.01623	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3183.6	48531.	5351.6
Stddev	1.6	23.	26.2
%RSD	.04938	.04790	.48899
#1	3184.7	48547.	5370.1
#2	3182.5	48515.	5333.1

Sample Name: 280-28156-A-4-B Acquired: 5/1/2012 17:52:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.02082	.00216	.01750	.03250	.00007	-.00685	2.3534	.00037	-.00035
Stddev	.00068	.00041	.00232	.00056	.00023	.00008	.00182	.0010	.00004	.00001
%RSD	606.70	1.9653	107.79	3.1976	.71492	111.76	26.532	.04161	10.371	1.8498
#1	-.00037	.02111	.00051	.01711	.03266	.00012	-.00556	2.3541	.00040	-.00035
#2	.00059	.02053	.00380	.01790	.03233	.00001	-.00813	2.3527	.00035	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00154	.36496	2.0769	.02488	1.3910	.00364	.00022	16.040	.00043
Stddev	.00005	.00027	.00022	.0447	.00100	.0036	.00012	.00019	.452	.00030
%RSD	14.278	17.224	.05960	2.1506	4.0087	.25998	3.3988	83.439	2.8156	70.854
#1	.00038	.00135	.36480	2.1085	.02558	1.3936	.00372	.00035	16.360	.00064
#2	.00031	.00173	.36511	2.0453	.02417	1.3885	.00355	.00009	15.721	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09465	.00076	5.5292	-.00082	-.00150	30.909	66.146	-.00010	.09276	.00131
Stddev	.00260	.00002	.0138	.00125	.00267	.001	.001	.00166	.00002	.00037
%RSD	2.7455	2.6565	.24999	153.32	178.33	.00215	.00215	1696.2	.02173	28.345
#1	.09649	.00078	5.5194	.00007	.00039	30.909	66.145	-.00127	.09278	.00105
#2	.09281	.00075	5.5389	-.00170	-.00339	30.910	66.147	.00108	.09275	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	-.00019	.00572	-.00030	.00580	-.00002
Stddev	.00015	.00047	.00781	.00048	.00067	.00055
%RSD	41.708	244.25	136.50	158.06	11.552	2425.7
#1	.00026	.00014	.01125	-.00064	.00533	.00037
#2	.00048	-.00052	.00020	.00004	.00627	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3275.0	50117.	5353.0
Stddev	7.1	139.	15.9
%RSD	.21538	.27672	.29619
#1	3270.1	50215.	5341.8
#2	3280.0	50019.	5364.3

Sample Name: 280-28156-A-5-B Acquired: 5/1/2012 17:55:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	1.2947	.00025	.01135	.16914	.00008	-.00351	32.715	.00021	.00175
Stddev	.00010	.0003	.00413	.00042	.00056	.00004	.00178	.021	.00001	.00004
%RSD	29.540	.02217	1628.4	3.6693	.32887	48.836	50.814	.06348	6.2214	2.5758
#1	.00027	1.2949	.00317	.01164	.16953	.00006	-.00477	32.701	.00022	.00171
#2	.00041	1.2945	-.00267	.01105	.16875	.00011	-.00225	32.730	.00021	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01239	-.00053	.01093	2.3305	.01498	.04726	.00038	.00149	5.8415	-.00017
Stddev	.00003	.00023	.00038	.0220	.00305	.00224	.00007	.00017	.0071	.00031
%RSD	.23771	42.682	3.4967	.94475	20.376	4.7415	18.295	11.097	.12107	183.29
#1	.01237	-.00037	.01066	2.3149	.01282	.04885	.00033	.00138	5.8365	-.00039
#2	.01241	-.00069	.01120	2.3460	.01714	.04568	.00043	.00161	5.8465	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01198	.00121	1.6860	-.00126	.00082	9.3951	20.106	-.00057	1.7203	.00080
Stddev	.00073	.00128	.0087	.00009	.00195	.0366	.078	.00027	.0018	.00004
%RSD	6.0611	106.21	.51591	6.9943	236.62	.38936	.38936	47.723	.10708	4.7524
#1	.01147	.00211	1.6922	-.00119	.00220	9.4210	20.161	-.00076	1.7189	.00083
#2	.01250	.00030	1.6799	-.00132	-.00055	9.3693	20.050	-.00038	1.7216	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00107	.00406	.00787	.00266	.00037
Stddev	.00001	.00051	.01204	.00038	.00013	.00043
%RSD	25.277	47.613	296.42	4.8040	4.7971	118.62
#1	.00003	-.00142	.01257	.00761	.00257	.00006
#2	.00004	-.00071	-.00445	.00814	.00275	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3271.8	49842.	5307.3
Stddev	2.5	59.	25.3
%RSD	.07722	.11885	.47676
#1	3273.6	49800.	5325.2
#2	3270.0	49884.	5289.4

Sample Name: 280-28156-A-6-B Acquired: 5/1/2012 17:57:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00070	.00953	-.00190	.00839	.01475	.00003	-.00347	.96615	.00016	-.00015
Stddev	.00008	.00033	.00041	.00003	.00006	.00001	.00137	.00533	.00016	.00020
%RSD	10.919	3.4674	21.414	.31388	.40463	25.197	39.351	.55167	104.13	130.76
#1	.00076	.00930	-.00162	.00837	.01470	.00003	-.00444	.96992	.00027	-.00001
#2	.00065	.00977	-.00219	.00840	.01479	.00004	-.00251	.96238	.00004	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00141	-.00101	.00744	1.0707	.00519	.52283	.00228	.00001	3.0288	-.00034
Stddev	.00005	.00002	.00005	.0359	.00056	.00397	.00002	.00029	.0248	.00029
%RSD	3.3405	2.2047	.61828	3.3544	10.788	.76028	1.0409	3150.2	.81954	86.431
#1	.00145	-.00103	.00741	1.0453	.00559	.52564	.00229	-.00020	3.0463	-.00054
#2	.00138	-.00100	.00748	1.0961	.00480	.52002	.00226	.00022	3.0112	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00924	-.00053	.29528	-.00271	.00413	8.4705	18.127	.00049	.03049	-.00040
Stddev	.00032	.00089	.00069	.00360	.00648	.0359	.077	.00021	.00050	.00103
%RSD	3.4144	167.43	.23314	132.73	156.75	.42404	.42404	42.916	1.6542	261.40
#1	.00946	.00010	.29480	-.00017	-.00045	8.4959	18.181	.00064	.03084	-.00113
#2	.00901	-.00116	.29577	-.00525	.00871	8.4451	18.072	.00034	.03013	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.00108	.00503	-.00039	.00264	.00011
Stddev	.00024	.00021	.01070	.00034	.00032	.00051
%RSD	244.53	19.465	212.83	88.194	11.975	452.34
#1	.00007	.00093	.01259	-.00063	.00287	-.00025
#2	-.00027	.00123	-.00254	-.00015	.00242	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3266.9	50266.	5263.7
Stddev	24.2	181.	10.0
%RSD	.74033	.35965	.18909
#1	3284.0	50138.	5256.7
#2	3249.8	50394.	5270.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 17:59:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00108	48.273	-.00065	.00212	.00037	.00016	.99276	.00727	-.00005	.00036	.00037	-.00432	48.170
Stddev	.00088	.132	.00105	.00028	.00013	.00002	.00436	.00027	.00004	.00013	.00007	.00005	.102
%RSD	81.324	.27316	162.46	13.091	36.381	12.185	.43894	3.6943	79.474	35.729	18.046	1.2178	.21210
#1	-.00170	48.179	-.00139	.00193	.00027	.00015	.98968	.00708	-.00007	.00045	.00033	-.00428	48.098
#2	-.00046	48.366	.00010	.00232	.00046	.00017	.99584	.00746	-.00002	.00027	.00042	-.00436	48.243
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02715	.00328	-.02194	.00015	.00054	237.70	.00127	.00232	-.00031	4.8853	-.00028	.00849	.00813
Stddev	.00583	.00126	.00399	.00012	.00031	.06	.00012	.00140	.00153	.0153	.00321	.00273	.01788
%RSD	21.482	38.342	18.169	77.812	56.868	.02564	9.5259	60.178	498.58	.31248	1146.7	32.115	220.02
#1	.03127	.00239	-.01912	.00007	.00076	237.65	.00136	.00133	.00078	4.8745	.00199	.00656	-.00452
#2	.02302	.00417	-.02476	.00023	.00032	237.74	.00119	.00331	-.00139	4.8961	-.00255	.01042	.02077
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01739	.00194	.00029	4.9985	.00772	.00141	10.235	-.00426	.00137	-.04637
Stddev	.03827	.00013	.00003	.0049	.00010	.00121	.007	.00035	.00022	.00062
%RSD	220.02	6.9081	10.144	.09699	1.2690	85.764	.07312	8.2855	15.838	1.3430
#1	-.00967	.00185	.00027	5.0019	.00765	.00056	10.240	-.00451	.00152	-.04681
#2	.04445	.00204	.00031	4.9950	.00779	.00227	10.230	-.00401	.00122	-.04593
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3138.1	46933.	5153.3
Stddev	3.2	54.	18.1
%RSD	.10092	.11600	.35073
#1	3135.8	46894.	5166.0
#2	3140.3	46971.	5140.5

Sample Name: CCV-1390955 Acquired: 5/1/2012 18:02:16 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49567	.48786	.98658	.47638	.48557	.46218	-.00235	4.7171	.49667	.49444	.49780	.50315	2.4272
Stddev	.00119	.00179	.00207	.00110	.00007	.00060	.00104	.0029	.00020	.00040	.00067	.00081	.0029
%RSD	.24058	.36768	.21015	.23128	.01527	.12945	44.325	.06034	.03960	.08019	.13443	.16121	.12091
#1	.49483	.48913	.98511	.47716	.48552	.46175	-.00308	4.7151	.49680	.49473	.49732	.50373	2.4251
#2	.49652	.48660	.98805	.47560	.48562	.46260	-.00161	4.7191	.49653	.49416	.49827	.50258	2.4293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.620	.94698	19.268	.49306	.49636	4.8048	.49438	.93370	1.0239	.01863	.95635	.99226	4.6940
Stddev	.065	.00001	.036	.00043	.00066	.0161	.00013	.00972	.0010	.00224	.00192	.00712	.0180
%RSD	.13725	.00062	.18731	.08646	.13372	.33551	.02550	1.0411	.10220	12.029	.20073	.71795	.38339
#1	47.573	.94697	19.293	.49336	.49589	4.8162	.49447	.94057	1.0247	.02022	.95771	.98722	4.7068
#2	47.666	.94698	19.242	.49276	.49683	4.7934	.49429	.92682	1.0232	.01705	.95499	.99729	4.6813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.045	.99430	.47902	-.00008	.48498	1.0095	.01494	.49632	.50544	.48549
Stddev	.039	.00514	.00039	.00140	.00074	.0027	.00422	.00052	.00095	.00286
%RSD	.38339	.51674	.08091	1772.7	.15157	.26373	28.264	.10510	.18778	.58871
#1	10.072	.99793	.47929	-.00107	.48550	1.0076	.01196	.49669	.50477	.48347
#2	10.018	.99067	.47874	.00091	.48446	1.0114	.01793	.49595	.50612	.48751
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3200.2	48944.	5262.8
Stddev	4.5	411.	2.1
%RSD	.14006	.83965	.03985
#1	3197.1	48653.	5261.3
#2	3203.4	49234.	5264.3

Sample Name: CCB Acquired: 5/1/2012 18:04:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00011	-.00072	.00077	.00049	.00031	-.00250	.00302	.00009	-.00009	.00007	-.00110	.00292
Stddev	.00011	.00036	.00031	.00044	.00012	.00006	.00134	.00199	.00004	.00002	.00007	.00011	.00232
%RSD	27.728	330.13	43.101	56.448	23.851	20.558	53.617	65.689	42.262	25.349	101.33	10.068	79.415
#1	.00049	.00036	-.00050	.00108	.00041	.00035	-.00345	.00162	.00012	-.00007	.00012	-.00118	.00128
#2	.00033	-.00014	-.00093	.00046	.00057	.00026	-.00155	.00443	.00006	-.00011	.00002	-.00102	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06058	.00153	.00617	.00016	.00076	.08157	-.00031	.00260	-.00050	.01593	.00212	.00313	-.00916
Stddev	.00974	.00071	.00091	.00006	.00014	.01580	.00034	.00319	.00167	.00343	.00106	.00186	.00833
%RSD	16.070	46.367	14.771	38.123	19.103	19.369	109.71	122.50	332.61	21.507	50.004	59.530	90.959
#1	.05370	.00203	.00682	.00021	.00066	.09274	-.00007	.00035	.00068	.01835	.00137	.00444	-.00327
#2	.06747	.00103	.00553	.00012	.00086	.07040	-.00056	.00486	-.00169	.01351	.00287	.00181	-.01505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01960	.00057	.00026	.00033	.00019	-.00070	-.00203	-.00017	.00220	-.00006
Stddev	.01783	.00074	.00010	.00034	.00012	.00019	.01490	.00029	.00020	.00204
%RSD	90.959	129.16	38.422	105.17	60.235	26.975	732.87	169.79	9.1332	3157.0
#1	-.00699	.00110	.00033	.00008	.00011	-.00083	.00850	.00003	.00206	-.00151
#2	-.03221	.00005	.00019	.00057	.00028	-.00057	-.01257	-.00038	.00234	.00138
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3206.9	49271.	5155.5
Stddev	8.3	204.	38.8
%RSD	.25836	.41480	.75259
#1	3212.8	49416.	5182.9
#2	3201.1	49127.	5128.0

Sample Name: CCVL1390952 Acquired: 5/1/2012 18:06:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01046	.10382	.01262	.09863	.01000	.00102	.11264	.19680	.00513	.01026	.01023	.01421	.09953	3.0002
Stddev	.00008	.00029	.00074	.00054	.00004	.00008	.00027	.00231	.00007	.00013	.00009	.00017	.00040	.0512
%RSD	.78532	.28400	5.8285	.55039	.39167	7.5970	.23751	1.1723	1.3816	1.2928	.90857	1.2282	.40423	1.7083
#1	.01052	.10361	.01210	.09825	.00998	.00107	.11283	.19517	.00508	.01016	.01017	.01409	.09924	2.9639
#2	.01040	.10403	.01314	.09902	.01003	.00096	.11245	.19844	.00518	.01035	.01030	.01434	.09981	3.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01160	.20807	.01036	.02016	1.0507	.04091	2.8064	.00859	.00612	.00751	.01729	.47944	1.0260	.10343
Stddev	.00037	.00287	.00004	.00040	.0003	.00013	.0220	.00022	.00185	.00172	.00135	.02056	.0440	.00162
%RSD	3.1666	1.3782	.41650	1.9597	.02979	.32839	.78520	2.5133	30.199	22.916	7.8234	4.2886	4.2886	1.5686
#1	.01186	.20605	.01033	.01988	1.0504	.04081	2.7908	.00874	.00743	.00629	.01634	.49397	1.0571	.10229
#2	.01134	.21010	.01039	.02044	1.0509	.04100	2.8220	.00844	.00481	.00873	.01825	.46490	.99488	.10458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00998	.01522	.00996	.01740	.07652	.00949	.02262	.01457
Stddev	.00011	.00081	.00016	.00191	.00811	.00022	.00041	.00193
%RSD	1.1406	5.3153	1.5940	10.982	10.598	2.3018	1.8273	13.265
#1	.00990	.01464	.00985	.01605	.07079	.00934	.02232	.01593
#2	.01006	.01579	.01007	.01875	.08226	.00965	.02291	.01320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3311.8	50793.	5261.2
Stddev	19.7	167.	46.3
%RSD	.59382	.32898	.88093
#1	3325.7	50911.	5293.9
#2	3297.9	50674.	5228.4

Sample Name: 280-28156-A-7-B Acquired: 5/1/2012 18:09:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.02152	-.00369	.02469	.37430	.00023	-.00177	19.300	.00039	.00187
Stddev	.00006	.00048	.00241	.00083	.01003	.00007	.00181	.497	.00003	.00012
%RSD	60.007	2.2518	65.304	3.3817	2.6805	31.810	102.72	2.5767	7.4882	6.3734
#1	.00015	.02187	-.00198	.02410	.38140	.00018	-.00305	19.652	.00037	.00196
#2	.00006	.02118	-.00539	.02528	.36721	.00028	-.00048	18.949	.00041	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00058	.01669	2.6051	.00424	9.0528	.04222	-.00018	31.057	.00500
Stddev	.00005	.00007	.00054	.0453	.00028	.0271	.00012	.00013	.546	.00039
%RSD	150.14	12.930	3.2415	1.7393	6.6782	.29882	.27918	72.720	1.7585	7.8319
#1	.00007	.00063	.01630	2.6372	.00444	9.0336	.04214	-.00009	31.443	.00472
#2	.00000	.00053	.01707	2.5731	.00404	9.0719	.04230	-.00028	30.671	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02198	-.00083	2.5454	-.00161	.00216	4.5086	9.6483	-.00004	.28840	-.00020
Stddev	.00427	.00023	.0065	.00002	.00018	.1380	.2952	.00016	.00770	.00405
%RSD	19.428	27.653	.25420	1.0059	8.3040	3.0599	3.0599	420.79	2.6686	2010.9
#1	.02500	-.00067	2.5500	-.00160	.00229	4.6061	9.8571	-.00015	.29385	-.00306
#2	.01896	-.00100	2.5409	-.00162	.00204	4.4110	9.4396	.00008	.28296	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00066	.01006	-.00001	.00876	-.00255
Stddev	.00021	.00031	.01868	.00059	.00088	.00100
%RSD	68.206	46.620	185.71	5323.0	10.089	39.336
#1	.00016	.00087	.02326	.00040	.00938	-.00326
#2	.00045	.00044	-.00315	-.00043	.00813	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3212.8	49317.	5209.4
Stddev	8.4	173.	102.6
%RSD	.26073	.35059	1.9699
#1	3218.7	49440.	5136.8
#2	3206.8	49195.	5281.9

Sample Name: 280-28156-A-8-B Acquired: 5/1/2012 18:11:39 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.35204	.00342	.01426	.16893	.00018	-.00598	12.096	.00036	.00067
Stddev	.00031	.00083	.00238	.00082	.00276	.00003	.00173	.135	.00014	.00017
%RSD	83.312	.23449	69.617	5.7257	1.6318	14.604	29.000	1.1190	39.106	25.588
#1	.00060	.35145	.00511	.01368	.17088	.00016	-.00720	12.192	.00026	.00055
#2	.00015	.35262	.00174	.01484	.16698	.00019	-.00475	12.000	.00046	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	-.00024	.26559	3.8448	.02670	8.2706	.10293	-.00022	30.072	.00158
Stddev	.00017	.00045	.00156	.0321	.00004	.0006	.00006	.00018	.605	.00007
%RSD	24.011	187.82	.58741	.83441	.14762	.00706	.05635	81.158	2.0123	4.6355
#1	.00084	-.00056	.26669	3.8675	.02667	8.2702	.10297	-.00035	30.500	.00153
#2	.00060	.00008	.26449	3.8221	.02673	8.2711	.10288	-.00009	29.644	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05227	-.00092	2.2799	-.00195	.00130	21.409	45.815	.00012	.35066	.00017
Stddev	.00220	.00081	.0103	.00005	.00162	.364	.780	.00084	.00580	.00174
%RSD	4.2016	88.588	.45166	2.7770	124.09	1.7017	1.7017	708.89	1.6530	1024.1
#1	.05382	-.00150	2.2872	-.00199	.00245	21.666	46.366	-.00048	.35476	-.00106
#2	.05072	-.00034	2.2726	-.00191	.00016	21.151	45.264	.00071	.34656	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00563	.00166	.01658	.00009	.01152	-.00091
Stddev	.00028	.00107	.03018	.00013	.00014	.00050
%RSD	5.0105	64.260	182.03	148.91	1.2051	54.897
#1	.00543	.00090	.03792	.00000	.01162	-.00056
#2	.00583	.00241	-.00476	.00018	.01143	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3227.6	49407.	5263.4
Stddev	.4	48.	44.8
%RSD	.01388	.09649	.85038
#1	3227.9	49373.	5231.7
#2	3227.3	49441.	5295.0

Sample Name: 280-28156-A-9-B Acquired: 5/1/2012 18:14:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.02288	.00136	.00805	.29263	.00067	-.00358	5.8236	.00022	.01218
Stddev	.00034	.00012	.00514	.00037	.00270	.00011	.00127	.0412	.00003	.00001
%RSD	75.439	.54594	379.13	4.6246	.92413	16.206	35.538	.70795	12.357	.06430
#1	.00070	.02279	.00499	.00831	.29454	.00059	-.00449	5.8528	.00024	.01218
#2	.00021	.02296	-.00228	.00779	.29071	.00075	-.00268	5.7945	.00020	.01217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00001	.02000	2.0763	.00379	5.2791	.07325	-.00015	18.051	.00592
Stddev	.00029	.00001	.00286	.0245	.00164	.0311	.00030	.00020	.507	.00039
%RSD	191.20	78.315	14.310	1.1812	43.149	.58975	.40877	131.63	2.8088	6.6645
#1	.00036	-.00001	.02202	2.0590	.00495	5.2571	.07304	-.00001	18.409	.00564
#2	-.00005	-.00002	.01797	2.0936	.00264	5.3011	.07346	-.00029	17.692	.00619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09847	-.00064	1.2743	-.00286	-.00036	13.826	29.587	.00064	.14564	.00047
Stddev	.00074	.00049	.0115	.00103	.00077	.114	.244	.00040	.00140	.00141
%RSD	.75311	77.731	.90574	36.139	213.01	.82633	.82633	63.033	.96456	299.63
#1	.09795	-.00029	1.2824	-.00213	.00018	13.906	29.760	.00092	.14663	-.00053
#2	.09900	-.00098	1.2661	-.00358	-.00090	13.745	29.414	.00035	.14465	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	-.00018	.02760	-.00048	.00985	-.00139
Stddev	.00001	.00269	.01670	.00006	.00028	.00198
%RSD	2.8812	1475.7	60.497	13.081	2.8207	142.68
#1	-.00035	-.00209	.03941	-.00052	.00965	-.00279
#2	-.00033	.00172	.01580	-.00043	.01004	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3259.3	50014.	5299.4
Stddev	14.7	251.	38.3
%RSD	.45099	.50268	.72297
#1	3248.9	50191.	5272.3
#2	3269.7	49836.	5326.5

Sample Name: 280-28156-A-10-D Acquired: 5/1/2012 18:16:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.08523	-.00045	.00785	.03583	.00011	-.00714	1.3108	.00014	.00032
Stddev	.00021	.00037	.00299	.00013	.00035	.00000	.00036	.0186	.00018	.00003
%RSD	47.987	.43230	658.40	1.5993	.97220	.66652	5.0138	1.4181	127.31	8.5477
#1	.00059	.08497	.00166	.00794	.03608	.00011	-.00740	1.3239	.00001	.00030
#2	.00029	.08549	-.00257	.00776	.03559	.00011	-.00689	1.2976	.00027	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00153	.00005	.12076	.84462	.00709	1.0449	.00268	-.00037	9.4509	W 10.260
Stddev	.00004	.00023	.00074	.03478	.00035	.0031	.00004	.00023	.0414	.024
%RSD	2.4088	496.58	.60920	4.1181	4.8946	.29682	1.3690	63.261	.43779	.23849
#1	.00156	.00021	.12024	.86922	.00734	1.0471	.00266	-.00020	9.4802	10.277
#2	.00151	-.00012	.12128	.82003	.00684	1.0427	.00271	-.00053	9.4216	10.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00082	.01826	-.00017	.07408	.00024	-.00064	14.383	30.780	.00028	.02928
Stddev	.00036	.00367	.00021	.00212	.00074	.00055	.057	.122	.00007	.00010
%RSD	43.297	20.100	122.52	2.8664	313.64	86.706	.39655	.39655	25.182	.32468
#1	.00057	.02086	-.00032	.07258	.00076	-.00025	14.424	30.866	.00023	.02935
#2	.00108	.01567	-.00002	.07558	-.00029	-.00103	14.343	30.694	.00032	.02921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00229	.00123	.00023	-.00651	-.00016	.00668	-.00067
Stddev	.00014	.00030	.00067	.00440	.00046	.00023	.00127
%RSD	6.3012	24.217	292.96	67.639	279.76	3.4706	189.88
#1	.00219	.00102	.00070	-.00963	-.00049	.00652	-.00156
#2	.00240	.00144	-.00025	-.00340	.00016	.00685	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3266.9	50504.	5300.7
Stddev	3.2	296.	26.4
%RSD	.09830	.58661	.49871
#1	3269.2	50294.	5282.0
#2	3264.7	50713.	5319.4

Sample Name: 280-28156-A-12-B Acquired: 5/1/2012 18:18:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	.02536	-.00243	.00111	.00094	.00008	-.00118	.19900	.00023	-.00004
Stddev	.00054	.00012	.00127	.00034	.00014	.00007	.00075	.00339	.00013	.00013
%RSD	62.806	.47684	52.269	30.557	14.798	86.886	63.329	1.7046	57.432	345.38
#1	.00048	.02527	-.00332	.00087	.00084	.00003	-.00171	.19660	.00014	-.00013
#2	.00123	.02544	-.00153	.00135	.00104	.00013	-.00065	.20140	.00033	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00071	.00648	.06522	.00217	.00825	.00021	-.00028	.40735	-.00016
Stddev	.00003	.00026	.00049	.06621	.00055	.00329	.00006	.00009	.00494	.00015
%RSD	632.26	37.162	7.5652	101.52	25.273	39.941	28.851	32.901	1.2115	90.448
#1	-.00002	-.00053	.00683	.01840	.00178	.01057	.00025	-.00035	.41084	-.00006
#2	.00003	-.00090	.00614	.11204	.00256	.00592	.00017	-.00022	.40386	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00293	-.00025	.01822	-.00226	.00016	.74387	1.5919	.00043	.00033	.00121
Stddev	.00004	.00018	.00069	.00161	.00335	.02427	.0519	.00019	.00007	.00062
%RSD	1.3023	72.539	3.7870	71.161	2147.0	3.2625	3.2625	44.451	22.442	51.592
#1	.00295	-.00012	.01871	-.00112	.00253	.72671	1.5552	.00030	.00027	.00165
#2	.00290	-.00038	.01773	-.00340	-.00222	.76103	1.6286	.00057	.00038	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	-.00070	.01657	-.00029	.00309	-.00075
Stddev	.00007	.00062	.00029	.00006	.00074	.00011
%RSD	373.43	87.689	1.7451	22.043	24.043	14.415
#1	-.00007	-.00027	.01636	-.00034	.00257	-.00082
#2	.00003	-.00114	.01677	-.00025	.00362	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3282.3	50676.	5295.3
Stddev	6.7	106.	47.6
%RSD	.20540	.20855	.89862
#1	3287.1	50750.	5328.9
#2	3277.6	50601.	5261.6

Sample Name: 280-28156-A-13-B Acquired: 5/1/2012 18:21:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.36530	.01527	.01255	.48910	.00029	-.00547	8.2243	.00027	.01258
Stddev	.00011	.00083	.00469	.00074	.00152	.00004	.00082	.0058	.00004	.00036
%RSD	90.784	.22724	30.730	5.9172	.31143	13.699	14.975	.07006	14.512	2.8807
#1	-.00020	.36588	.01195	.01307	.49017	.00032	-.00605	8.2284	.00024	.01232
#2	-.00004	.36471	.01859	.01202	.48802	.00027	-.00489	8.2202	.00030	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	.00086	15.246	1.8330	.00213	7.5701	.85894	-.00043	13.849	.00596
Stddev	.00021	.00027	.042	.0057	.00325	.0363	.00245	.00034	.187	.00008
%RSD	36.777	31.792	.27677	.31171	152.44	.47994	.28538	79.226	1.3522	1.3461
#1	.00074	.00066	15.276	1.8289	-.00017	7.5958	.86068	-.00067	13.716	.00591
#2	.00043	.00105	15.216	1.8370	.00443	7.5444	.85721	-.00019	13.981	.00602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37128	.00132	.73393	-.00126	.00499	7.2023	15.413	-.00035	.10388	-.00125
Stddev	.00211	.00001	.00250	.00272	.00222	.0615	.132	.00086	.00036	.00079
%RSD	.56871	1.0144	.34095	216.52	44.479	.85335	.85335	246.44	.34719	63.471
#1	.36978	.00131	.73216	-.00318	.00656	7.2458	15.506	-.00096	.10414	-.00069
#2	.37277	.00133	.73570	.00067	.00342	7.1589	15.320	.00026	.10363	-.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00388	.00028	.00018	.00020	.01136	-.00163
Stddev	.00011	.00030	.01090	.00009	.00022	.00050
%RSD	2.7863	107.07	6047.9	46.683	1.9108	30.961
#1	.00381	.00007	.00789	.00026	.01121	-.00198
#2	.00396	.00050	-.00753	.00013	.01152	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3273.9	49992.	5312.3
Stddev	4.6	275.	1.9
%RSD	.14188	.55096	.03627
#1	3270.6	49797.	5310.9
#2	3277.2	50186.	5313.6

Sample Name: 280-28156-A-14-B Acquired: 5/1/2012 18:23:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.05662	.01336	.01207	.49101	.00024	-.00385	8.3017	.00017	.01247
Stddev	.00065	.00041	.00223	.00006	.00368	.00008	.00266	.0512	.00029	.00002
%RSD	191.17	.71835	16.670	.49443	.74965	34.290	69.010	.61694	167.96	.13070
#1	.00080	.05633	.01494	.01211	.48841	.00018	-.00573	8.2655	-.00003	.01248
#2	-.00012	.05690	.01179	.01203	.49361	.00030	-.00197	8.3379	.00038	.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	-.00002	14.589	1.7566	.00398	7.6795	.87373	-.00060	14.128	.00590
Stddev	.00012	.00006	.067	.0335	.00176	.0097	.00209	.00027	.191	.00003
%RSD	90.892	383.11	.46194	1.9064	44.123	.12563	.23927	45.364	1.3517	.48130
#1	.00005	-.00006	14.541	1.7329	.00522	7.6727	.87521	-.00041	13.993	.00592
#2	.00021	.00003	14.637	1.7802	.00274	7.6864	.87225	-.00080	14.263	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40049	.00086	.74206	-.00097	.00223	6.7467	14.438	-.00059	.10391	-.00014
Stddev	.00590	.00169	.00442	.00222	.00160	.0636	.136	.00051	.00040	.00013
%RSD	1.4741	197.03	.59567	227.54	71.677	.94322	.94322	87.791	.38505	96.494
#1	.39632	.00206	.73894	.00059	.00337	6.7017	14.342	-.00022	.10362	-.00004
#2	.40467	-.00034	.74519	-.00254	.00110	6.7917	14.534	-.00095	.10419	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.00075	.01594	-.00018	.00988	-.00113
Stddev	.00026	.00042	.01511	.00002	.00058	.00060
%RSD	39.432	56.271	94.795	9.8096	5.8220	52.967
#1	.00085	.00105	.02662	-.00016	.00948	-.00155
#2	.00048	.00045	.00525	-.00019	.01029	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3240.3	49723.	5271.1
Stddev	5.5	44.	20.6
%RSD	.16998	.08896	.39105
#1	3244.2	49691.	5285.7
#2	3236.4	49754.	5256.5

Sample Name: 280-28156-A-15-B Acquired: 5/1/2012 18:25:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.28834	.00390	.01145	.05481	.00017	-.00716	2.9861	.00050	-.00039
Stddev	.00037	.00117	.00026	.00008	.00054	.00010	.00009	.0288	.00024	.00018
%RSD	59.082	.40479	6.6934	.68405	.97837	60.798	1.2898	.96477	47.433	45.866
#1	.00089	.28917	.00371	.01139	.05443	.00024	-.00709	2.9657	.00067	-.00026
#2	.00036	.28752	.00408	.01150	.05519	.00009	-.00723	3.0064	.00033	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00101	.27620	2.3524	.01674	1.6008	.01710	.00105	39.790	-.00001
Stddev	.00027	.00028	.00324	.0789	.00065	.0065	.00008	.00002	.196	.00033
%RSD	70.044	27.504	1.1735	3.3518	3.8928	.40580	.45535	1.9163	.49219	6462.0
#1	.00019	.00121	.27391	2.2967	.01627	1.6053	.01716	.00106	39.652	-.00024
#2	.00057	.00081	.27849	2.4082	.01720	1.5962	.01705	.00103	39.929	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05887	-.00136	4.7218	-.00250	.00102	36.268	77.613	-.00014	.07699	-.00104
Stddev	.00169	.00001	.0246	.00107	.00090	.415	.889	.00018	.00120	.00021
%RSD	2.8723	.48344	.52187	42.823	87.547	1.1454	1.1454	126.22	1.5648	20.347
#1	.06007	-.00136	4.7392	-.00326	.00166	35.974	76.985	-.00027	.07614	-.00119
#2	.05768	-.00137	4.7044	-.00174	.00039	36.562	78.242	-.00002	.07784	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00570	.00146	.01653	.00018	.00875	.00072
Stddev	.00004	.00132	.00063	.00014	.00039	.00121
%RSD	.74164	90.121	3.8098	81.793	4.4716	168.34
#1	.00573	.00053	.01609	.00007	.00903	.00158
#2	.00567	.00239	.01698	.00028	.00848	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3244.9	49242.	5292.0
Stddev	7.5	101.	75.4
%RSD	.22960	.20551	1.4255
#1	3239.6	49170.	5345.4
#2	3250.2	49313.	5238.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 18:28:14 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00169	49.384	.00056	.00238	.00027	.00006	1.0213	.01312	.00010	.00047	.00055	-.00481	49.200
Stddev	.00011	.020	.00022	.00034	.00005	.00002	.0067	.00251	.00014	.00005	.00014	.00033	.113
%RSD	6.6099	.03968	38.436	14.293	18.709	31.937	.65755	19.121	148.96	10.965	25.263	6.9298	.23015
#1	-.00161	49.397	.00041	.00263	.00023	.00004	1.0166	.01134	.00020	.00043	.00065	-.00457	49.120
#2	-.00176	49.370	.00071	.00214	.00030	.00007	1.0261	.01489	-.00001	.00050	.00045	-.00504	49.280
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04268	.00219	-.02294	.00026	.00060	243.35	.00097	.00787	-.00097	5.0350	-.00253	.00606	.02146
Stddev	.04118	.00145	.00450	.00005	.00017	.60	.00003	.00075	.00121	.0196	.00311	.00469	.01233
%RSD	96.481	66.195	19.610	20.244	28.561	.24514	2.5771	9.4877	124.50	.38856	123.15	77.454	57.457
#1	.01356	.00117	-.02612	.00030	.00072	242.93	.00095	.00840	-.00012	5.0212	-.00473	.00937	.03018
#2	.07180	.00322	-.01976	.00022	.00048	243.77	.00099	.00734	-.00182	5.0488	-.00033	.00274	.01274
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04593	.00161	.00039	5.1011	.00862	.00206	10.453	-.00422	.00188	-.04662
Stddev	.02639	.00015	.00001	.0346	.00012	.00127	.062	.00015	.00055	.00480
%RSD	57.457	9.1671	2.5949	.67766	1.4241	61.713	.59003	3.6223	29.351	10.287
#1	.06459	.00172	.00038	5.1256	.00871	.00116	10.497	-.00411	.00149	-.05001
#2	.02727	.00151	.00039	5.0767	.00854	.00296	10.410	-.00433	.00228	-.04323
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3191.5	48134.	5278.7
Stddev	10.9	274.	11.4
%RSD	.34131	.56841	.21557
#1	3199.2	47940.	5286.7
#2	3183.8	48327.	5270.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 18:30:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50095	.49383	.98084	.47532	.49373	.46977	-.00201	4.8229	.49632	.49032	.49326	.50840	2.4607
Stddev	.00294	.00242	.00158	.00327	.00068	.00110	.00164	.0214	.00010	.00100	.00167	.00304	.0030
%RSD	.58695	.49094	.16095	.68877	.13788	.23468	81.699	.44335	.02106	.20310	.33864	.59776	.12105
#1	.49888	.49555	.98195	.47300	.49324	.46899	-.00317	4.8078	.49624	.48961	.49208	.50625	2.4585
#2	.50303	.49212	.97972	.47763	.49421	.47055	-.00085	4.8380	.49639	.49102	.49444	.51055	2.4628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.227	.96414	19.316	.49387	.49278	4.8659	.48943	.93145	1.0138	.01832	.95709	.98718	4.7343
Stddev	.014	.00082	.093	.00220	.00057	.0022	.00004	.00018	.0031	.00204	.00268	.00360	.0203
%RSD	.02998	.08483	.48078	.44611	.11500	.04564	.00818	.01948	.30722	11.146	.28031	.36514	.42813
#1	48.217	.96356	19.251	.49231	.49318	4.8643	.48941	.93158	1.0116	.01687	.95519	.98463	4.7487
#2	48.237	.96472	19.382	.49542	.49238	4.8675	.48946	.93132	1.0160	.01976	.95898	.98973	4.7200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.131	.98579	.48661	.00120	.49022	1.0013	.02597	.50227	.50865	.49137
Stddev	.043	.00103	.00051	.00077	.00162	.0006	.00572	.00145	.00351	.00162
%RSD	.42813	.10428	.10403	63.967	.33006	.05579	22.039	.28866	.69081	.32970
#1	10.162	.98506	.48697	.00174	.48908	1.0017	.03002	.50124	.50616	.49022
#2	10.101	.98651	.48625	.00066	.49136	1.0010	.02193	.50329	.51113	.49252
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3250.7	49426.	5275.8
Stddev	2.3	296.	25.6
%RSD	.07127	.59870	.48501
#1	3249.1	49636.	5293.9
#2	3252.3	49217.	5257.7

Sample Name: CCB Acquired: 5/1/2012 18:32:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	-.00016	-.00299	.00066	.00027	.00012	-.00320	-.00058	.00005	-.00031	.00010	-.00091	-.00110
Stddev	.00012	.00022	.00094	.00034	.00009	.00006	.00350	.00067	.00004	.00006	.00001	.00004	.00271
%RSD	25.681	136.43	31.597	52.204	33.637	54.258	109.32	115.15	70.806	19.374	8.6505	4.7087	247.35
#1	.00056	-.00031	-.00365	.00041	.00034	.00016	-.00073	-.00105	.00008	-.00026	.00010	-.00094	-.00302
#2	.00039	-.00001	-.00232	.00090	.00021	.00007	-.00568	-.00011	.00003	-.00035	.00009	-.00088	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05145	.00251	-.00063	.00012	.00087	.07840	-.00046	.00332	.00041	.00836	.00214	.00105	-.01987
Stddev	.02621	.00069	.00069	.00004	.00001	.01097	.00020	.00204	.00212	.00128	.00076	.00011	.00213
%RSD	50.937	27.436	109.49	29.796	1.5622	13.992	43.288	61.548	520.89	15.340	35.515	10.194	10.734
#1	.06998	.00202	-.00111	.00015	.00088	.08616	-.00060	.00477	.00190	.00927	.00160	.00112	-.01836
#2	.03292	.00300	-.00014	.00009	.00086	.07064	-.00032	.00188	-.00109	.00746	.00268	.00097	-.02137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04251	.00083	.00008	.00010	-.00013	.00025	.01023	-.00046	.00166	-.00094
Stddev	.00456	.00007	.00002	.00226	.00001	.00088	.02892	.00023	.00015	.00093
%RSD	10.734	8.1718	23.740	2363.4	10.240	345.91	282.69	50.561	9.2791	99.414
#1	-.03929	.00078	.00006	.00170	-.00013	.00088	-.01022	-.00030	.00155	-.00028
#2	-.04574	.00087	.00009	-.00150	-.00012	-.00037	.03068	-.00063	.00177	-.00160
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3248.0	50258.	5154.0
Stddev	1.1	111.	24.8
%RSD	.03478	.22180	.48123
#1	3247.2	50179.	5171.5
#2	3248.8	50337.	5136.5

Sample Name: CCVL1390952 Acquired: 5/1/2012 18:35:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01061	.10077	.01253	.09692	.01012	.00100	.11754	.19362	.00504	.01023	.01015	.01496	.09669
Stddev	.00021	.00032	.00031	.00215	.00015	.00008	.00031	.00163	.00011	.00024	.00020	.00051	.00094
%RSD	2.0222	.31514	2.4623	2.2154	1.5045	7.6197	.26129	.83929	2.1292	2.3263	1.9486	3.4155	.97448
#1	.01076	.10100	.01232	.09540	.01001	.00095	.11733	.19247	.00496	.01006	.01001	.01460	.09602
#2	.01046	.10055	.01275	.09844	.01023	.00105	.11776	.19477	.00511	.01040	.01029	.01532	.09735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9820	.01143	.20550	.01031	.01988	1.0585	.04081	2.7755	.00783	.00844	F .00610	.01441	.48300
Stddev	.0275	.00166	.00216	.00023	.00006	.0101	.00022	.0046	.00027	.00333	.00150	.00718	.01504
%RSD	.92307	14.520	1.0517	2.2221	.31600	.94978	.53983	.16720	3.4939	39.456	24.668	49.837	3.1134
#1	3.0015	.01260	.20397	.01015	.01992	1.0514	.04096	2.7722	.00802	.01080	.00504	.00933	.47237
#2	2.9626	.01026	.20703	.01047	.01983	1.0656	.04065	2.7788	.00764	.00609	.00716	.01949	.49363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0336	.10312	.00987	.01476	.00994	.01734	.07120	.00946	.02209	.01371
Stddev	.0322	.00025	.00003	.00055	.00001	.00083	.00057	.00024	.00054	.00101
%RSD	3.1134	.23943	.34842	3.7597	.13511	4.7803	.79881	2.5406	2.4399	7.3621
#1	1.0109	.10295	.00990	.01515	.00995	.01675	.07160	.00929	.02171	.01300
#2	1.0564	.10330	.00985	.01436	.00993	.01793	.07079	.00963	.02247	.01443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3329.6	50992.	5344.9
Stddev	3.6	676.	15.0
%RSD	.10806	1.3265	.28024
#1	3327.1	51471.	5355.5
#2	3332.2	50514.	5334.3

Sample Name: 280-28156-A-16-B Acquired: 5/1/2012 18:37:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	.08109	.02895	.01615	.28210	.00041	-.00943	4.1812	.00043	-.00041
Stddev	.00039	.00028	.00243	.00040	.00009	.00001	.00036	.0056	.00015	.00007
%RSD	82.762	.34390	8.3771	2.4747	.03082	2.6512	3.8112	.13393	36.100	17.034
#1	.00020	.08089	.03067	.01587	.28204	.00042	-.00917	4.1772	.00032	-.00045
#2	.00075	.08128	.02724	.01643	.28216	.00041	-.00968	4.1852	.00054	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00034	6.1596	2.7102	.03066	3.1083	.12205	.00014	17.411	.00077
Stddev	.00001	.00021	.0063	.0133	.00166	.0080	.00042	.00011	.009	.00007
%RSD	4.2461	61.776	.10248	.49140	5.4107	.25689	.34556	79.276	.05050	9.4490
#1	.00023	.00019	6.1641	2.7008	.02949	3.1027	.12176	.00006	17.405	.00082
#2	.00022	.00048	6.1551	2.7196	.03184	3.1140	.12235	.00022	17.417	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.2373	.00073	5.8232	-.00141	.00041	48.796	104.42	-.00043	.13195	.00035
Stddev	.0126	.00074	.0322	.00067	.00057	.071	.15	.00069	.00007	.00107
%RSD	.56192	101.47	.55227	47.537	140.15	.14462	.14462	158.54	.05332	307.17
#1	2.2284	.00021	5.8004	-.00188	.00081	48.746	104.32	.00005	.13200	.00111
#2	2.2462	.00125	5.8459	-.00093	.00000	48.846	104.53	-.00092	.13190	-.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00071	.00040	.00424	-.00026	.00487	.00056
Stddev	.00005	.00015	.00989	.00014	.00002	.00027
%RSD	7.5636	38.134	233.04	53.308	.39226	47.803
#1	.00075	.00029	-.00275	-.00036	.00489	.00037
#2	.00067	.00051	.01124	-.00016	.00486	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3262.7	49936.	5368.1
Stddev	2.7	73.	16.8
%RSD	.08140	.14694	.31221
#1	3260.8	49884.	5356.2
#2	3264.6	49988.	5379.9

Sample Name: 280-28156-A-17-B Acquired: 5/1/2012 18:39:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.85586	-.00275	.01039	.03599	.00038	-.00833	1.0997	.00037	-.00004
Stddev	.00004	.00342	.00173	.00036	.00046	.00009	.00013	.0114	.00012	.00008
%RSD	10.763	.39960	62.851	3.4435	1.2840	23.635	1.5557	1.0323	33.261	191.06
#1	.00032	.85345	-.00397	.01065	.03566	.00044	-.00824	1.0917	.00045	-.00010
#2	.00037	.85828	-.00153	.01014	.03631	.00032	-.00842	1.1077	.00028	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00141	.00106	1.0226	1.7246	.01437	.81731	.00983	-.00010	10.457	11.388
Stddev	.00013	.00003	.0118	.0537	.00157	.00224	.00003	.00023	.048	.246
%RSD	9.2982	2.8002	1.1540	3.1150	10.925	.27453	.31924	237.41	.45445	2.1577
#1	.00132	.00104	1.0143	1.6866	.01548	.81889	.00986	.00007	10.424	11.215
#2	.00151	.00108	1.0310	1.7626	.01326	.81572	.00981	-.00026	10.491	11.562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.06715	.00143	.53200	-.00081	.00052	34.540	73.917	.00013	.03751
Stddev	.00001	.00175	.00221	.00229	.00100	.00169	.392	.839	.00040	.00024
%RSD	1.3201	2.6040	154.31	.43045	124.17	326.99	1.1355	1.1355	305.19	.63432
#1	.00091	.06839	.00300	.53362	-.00152	.00171	34.263	73.323	-.00015	.03734
#2	.00093	.06592	-.00013	.53038	-.00010	-.00068	34.818	74.510	.00041	.03767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.01430	.00108	.01087	.00101	.00953	-.00016
Stddev	.00247	.00083	.00024	.01482	.00005	.00004	.00010
%RSD	330.87	5.7756	22.445	136.26	4.7639	.36917	61.531
#1	.00249	.01488	.00091	.00040	.00097	.00950	-.00009
#2	-.00100	.01371	.00125	.02135	.00104	.00955	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3269.2	50278.	5313.5
Stddev	11.0	297.	42.5
%RSD	.33647	.59130	.79910
#1	3261.4	50068.	5343.5
#2	3277.0	50489.	5283.5

Sample Name: 280-28156-A-18-B Acquired: 5/1/2012 18:42:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.28073	.00276	.01518	.04304	.00009	-.00737	24.591	.00055	-.00022
Stddev	.00046	.00008	.00027	.00009	.00065	.00002	.00154	.360	.00010	.00002
%RSD	125.94	.02946	9.6380	.61238	1.5135	26.830	20.862	1.4623	18.677	8.6096
#1	.00069	.28067	.00257	.01511	.04350	.00008	-.00628	24.845	.00063	-.00023
#2	.00004	.28079	.00295	.01524	.04258	.00011	-.00845	24.337	.00048	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00171	.21804	5.4180	.10849	13.386	.06332	.00834	139.06	.00078
Stddev	.00019	.00022	.00468	.0813	.00334	.432	.00181	.00014	2.72	.00026
%RSD	77.731	13.003	2.1454	1.5013	3.0765	3.2254	2.8526	1.7241	1.9576	32.639
#1	.00038	.00187	.22134	5.4756	.11085	13.692	.06460	.00824	140.99	.00096
#2	.00011	.00156	.21473	5.3605	.10613	13.081	.06204	.00845	137.14	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19176	.00019	26.296	-.00120	-.00150	28.009	59.940	-.00104	.62346	-.00025
Stddev	.00459	.00007	.056	.00003	.00446	.386	.825	.00068	.01048	.00166
%RSD	2.3927	37.006	.21474	2.4356	298.25	1.3771	1.3771	65.269	1.6805	672.18
#1	.18852	.00014	26.256	-.00122	.00166	28.282	60.523	-.00056	.63087	-.00142
#2	.19501	.00024	26.336	-.00118	-.00465	27.736	59.356	-.00152	.61605	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00391	.00036	.02281	.00057	.00605	-.00013
Stddev	.00018	.00052	.00278	.00063	.00022	.00072
%RSD	4.5304	145.09	12.195	110.27	3.7022	543.02
#1	.00403	-.00001	.02084	.00101	.00621	.00038
#2	.00378	.00072	.02478	.00013	.00589	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3140.2	47955.	5202.2
Stddev	.3	1022.	41.9
%RSD	.00830	2.1321	.80550
#1	3140.4	47232.	5172.6
#2	3140.1	48678.	5231.8

Sample Name: 280-28156-A-19-B Acquired: 5/1/2012 18:44:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.04032	-.00049	.02862	1.3734	.00395	-.00193	12.383	.00037	.03994
Stddev	.00010	.00016	.00113	.00031	.0133	.00022	.00137	.113	.00002	.00026
%RSD	18.646	.39563	228.74	1.0722	.97084	5.6276	70.945	.91181	4.0145	.64244
#1	.00058	.04044	.00031	.02883	1.3640	.00379	-.00096	12.303	.00039	.03976
#2	.00045	.04021	-.00130	.02840	1.3828	.00410	-.00290	12.463	.00036	.04012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	-.00019	.72972	6.2120	.00615	14.570	.63724	-.00012	21.241	.03652
Stddev	.00023	.00025	.00891	.0664	.00311	.226	.00847	.00001	.137	.00022
%RSD	51.724	134.20	1.2205	1.0693	50.559	1.5543	1.3285	8.1250	.64647	.59291
#1	.00061	-.00001	.72342	6.1650	.00835	14.730	.64322	-.00011	21.143	.03637
#2	.00028	-.00037	.73602	6.2589	.00395	14.410	.63125	-.00013	21.338	.03668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08776	.00008	.89999	-.00188	-.00092	11.630	24.889	-.00032	.29067	.00006
Stddev	.00045	.00076	.00954	.00148	.00180	.105	.225	.00014	.00248	.00035
%RSD	.51510	908.82	1.0595	78.742	195.95	.90270	.90270	44.444	.85466	590.18
#1	.08808	.00062	.89324	-.00083	.00035	11.556	24.730	-.00042	.28892	.00031
#2	.08744	-.00046	.90673	-.00293	-.00219	11.705	25.048	-.00022	.29243	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00098	.00517	.00020	.02053	.00126
Stddev	.00017	.00063	.00155	.00037	.00024	.00140
%RSD	76.105	64.715	30.025	182.99	1.1592	110.81
#1	.00034	.00053	.00626	-.00006	.02037	.00225
#2	.00010	.00143	.00407	.00046	.02070	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.5	49286.	5270.9
Stddev	24.8	500.	15.1
%RSD	.76809	1.0151	.28723
#1	3244.0	48933.	5281.6
#2	3208.9	49640.	5260.2

Sample Name: 280-28156-A-20-B Acquired: 5/1/2012 18:47:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.45749	-.00152	.01053	.02115	.00014	-.00527	.74072	.00028	.00048
Stddev	.00018	.00289	.00006	.00057	.00042	.00003	.00080	.02204	.00014	.00014
%RSD	201.60	.63216	4.2556	5.4111	1.9988	21.952	15.136	2.9749	48.372	29.921
#1	-.00004	.45953	-.00147	.01013	.02145	.00016	-.00583	.75630	.00019	.00038
#2	.00022	.45544	-.00156	.01094	.02085	.00012	-.00470	.72514	.00038	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00162	.00094	.33535	1.0555	.00154	.51481	.01016	-.00042	2.0746	.00068
Stddev	.00002	.00022	.00832	.0166	.00295	.00551	.00003	.00047	.0465	.00050
%RSD	1.4781	23.594	2.4809	1.5744	192.13	1.0711	.34427	111.11	2.2419	73.100
#1	.00160	.00109	.34123	1.0673	.00363	.51871	.01014	-.00075	2.1075	.00033
#2	.00163	.00078	.32947	1.0438	-.00055	.51091	.01019	-.00009	2.0417	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01084	-.00060	.10084	-.00167	.00055	7.6576	16.387	.00013	.01233	.00094
Stddev	.00014	.00043	.00415	.00087	.00147	.1464	.313	.00102	.00040	.00001
%RSD	1.3299	71.449	4.1201	52.215	268.05	1.9120	1.9120	783.71	3.2532	1.3586
#1	.01074	-.00030	.10378	-.00229	-.00049	7.7612	16.609	-.00059	.01261	.00093
#2	.01094	-.00091	.09790	-.00105	.00159	7.5541	16.166	.00085	.01205	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00606	-.00024	.01063	.00018	.00829	-.00077
Stddev	.00063	.00059	.00688	.00009	.00020	.00011
%RSD	10.340	247.60	64.714	52.183	2.4169	14.757
#1	.00650	.00018	.01549	.00011	.00844	-.00085
#2	.00562	-.00066	.00576	.00025	.00815	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3275.0	49944.	5293.9
Stddev	29.8	58.	95.8
%RSD	.90859	.11527	1.8087
#1	3254.0	49985.	5226.2
#2	3296.1	49904.	5361.6

Sample Name: sd280-28156-A-20-B@5 Acquired: 5/1/2012 18:49:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.10401	-.00327	.00254	.00451	.00005	-.00259	.15443	.00005	.00001
Stddev	.00028	.00001	.00063	.00068	.00018	.00004	.00149	.00359	.00005	.00003
%RSD	63.480	.01346	19.229	26.853	3.8992	85.649	57.485	2.3225	101.98	221.04
#1	.00024	.10402	-.00371	.00302	.00463	.00002	-.00154	.15697	.00001	.00004
#2	.00064	.10400	-.00282	.00206	.00438	.00008	-.00364	.15190	.00009	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	-.00049	.08173	.25193	.00281	.10337	.00218	-.00030	.47891	-.00012
Stddev	.00015	.00057	.00079	.07077	.00175	.00158	.00000	.00027	.01131	.00015
%RSD	31.109	115.22	.96250	28.093	62.248	1.5330	.14441	91.233	2.3607	122.96
#1	.00037	-.00009	.08228	.30197	.00405	.10449	.00218	-.00011	.47092	-.00002
#2	.00058	-.00090	.08117	.20188	.00157	.10225	.00218	-.00049	.48690	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00063	.02622	-.00322	.00116	1.5693	3.3582	.00060	.00257	.00134
Stddev	.00221	.00060	.00491	.00104	.00539	.0025	.0053	.00095	.00002	.00112
%RSD	527.95	96.418	18.722	32.241	464.91	.15709	.15709	157.81	.70566	83.559
#1	.00198	.00105	.02969	-.00395	.00498	1.5710	3.3620	.00127	.00256	.00055
#2	-.00114	.00020	.02275	-.00249	-.00265	1.5675	3.3545	-.00007	.00258	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00184	.00136	.01446	-.00022	.00407	-.00124
Stddev	.00068	.00006	.01704	.00004	.00038	.00099
%RSD	36.888	4.5620	117.89	16.538	9.3495	80.031
#1	.00232	.00132	.02651	-.00019	.00380	-.00054
#2	.00136	.00141	.00241	-.00024	.00434	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3251.0	50699.	5233.9
Stddev	24.6	326.	6.7
%RSD	.75684	.64374	.12792
#1	3233.6	50468.	5238.7
#2	3268.3	50930.	5229.2

Sample Name: 280-28156-A-20-C MS Acquired: 5/1/2012 18:51:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05197	3.3787	1.0529	.98577	2.0725	.04993	F 2.1822	50.148	.10382	.50565
Stddev	.00116	.0284	.0095	.00854	.0071	.00039	.0220	.211	.00087	.00427
%RSD	2.2382	.83953	.90008	.86625	.34198	.77648	1.0096	.42101	.83530	.84409
#1	.05279	3.3586	1.0596	.99181	2.0675	.04966	2.1978	49.999	.10443	.50866
#2	.05114	3.3987	1.0462	.97973	2.0775	.05021	2.1667	50.298	.10321	.50263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20906	.25993	1.6250	51.692	1.0142	49.725	.51848	1.0176	54.615	.50581
Stddev	.00135	.00071	.0181	.247	.0037	.001	.00020	.0093	.073	.00397
%RSD	.64679	.27425	1.1158	.47875	.36598	.00204	.03895	.91502	.13286	.78541
#1	.21002	.25943	1.6122	51.517	1.0116	49.726	.51834	1.0242	54.666	.50862
#2	.20811	.26043	1.6378	51.867	1.0169	49.724	.51863	1.0110	54.564	.50301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.9916	.51407	.12269	.48744	2.0831	19.480	41.688	W 2.0071	1.0393	1.0366
Stddev	.0815	.00285	.00483	.00054	.0086	.138	.296	.0148	.0050	.0035
%RSD	.81600	.55517	3.9331	.11126	.41445	.70907	.70907	.73933	.47792	.33583
#1	10.049	.51609	.11928	.48782	2.0892	19.383	41.479	2.0176	1.0358	1.0391
#2	9.9339	.51205	.12610	.48706	2.0769	19.578	41.897	1.9966	1.0428	1.0341
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0113	2.0451	2.2183	.52102	.51734	.49460
Stddev	.0017	.0175	.0116	.00005	.00045	.00046
%RSD	.17148	.85391	.52262	.01002	.08669	.09205
#1	1.0126	2.0574	2.2101	.52099	.51766	.49428
#2	1.0101	2.0327	2.2265	.52106	.51703	.49492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3094.3	47833.	5155.1
Stddev	25.0	64.	43.0
%RSD	.80903	.13363	.83457
#1	3076.6	47878.	5185.5
#2	3112.0	47788.	5124.6

Sample Name: 280-28156-A-20-D MSD Acquired: 5/1/2012 18:53:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05239	3.3259	1.0329	.87095	2.0585	.04942	F 2.1366	49.691	.10172	.49380
Stddev	.00073	.0695	.0084	.00316	.0262	.00065	.0021	.716	.00024	.00172
%RSD	1.3994	2.0893	.81152	.36333	1.2744	1.3216	.09944	1.4418	.23418	.34901
#1	.05291	3.3751	1.0388	.86872	2.0770	.04988	2.1351	50.197	.10155	.49258
#2	.05187	3.2768	1.0270	.87319	2.0399	.04896	2.1381	49.184	.10189	.49502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20480	.26109	1.6251	51.353	1.0040	49.817	.52002	.89765	53.569	.49603
Stddev	.00112	.00531	.0182	.589	.0115	.710	.00792	.00500	.816	.00266
%RSD	.54809	2.0350	1.1201	1.1474	1.1470	1.4244	1.5234	.55727	1.5240	.53661
#1	.20401	.26485	1.6379	51.770	1.0121	50.319	.52562	.89411	54.146	.49414
#2	.20559	.25734	1.6122	50.936	.99585	49.315	.51442	.90119	52.992	.49791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.7864	.50040	.12535	.42779	2.0345	18.302	39.166	1.7624	1.0321	1.0398
Stddev	.0162	.00301	.00351	.00378	.0149	.218	.466	.0099	.0133	.0185
%RSD	.16550	.60200	2.8018	.88400	.73340	1.1907	1.1907	.55947	1.2833	1.7830
#1	9.7749	.49827	.12287	.42512	2.0239	18.456	39.496	1.7554	1.0415	1.0529
#2	9.7978	.50253	.12784	.43047	2.0450	18.148	38.837	1.7694	1.0227	1.0267
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.90976	2.0029	2.2052	.52037	.52206	.43830
Stddev	.01115	.0051	.0421	.00817	.00990	.00412
%RSD	1.2251	.25606	1.9077	1.5699	1.8969	.93952
#1	.91764	1.9993	2.2350	.52615	.52906	.44121
#2	.90188	2.0065	2.1755	.51460	.51506	.43538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3129.5	47508.	5162.2
Stddev	10.9	568.	70.0
%RSD	.34675	1.1961	1.3558
#1	3137.2	47106.	5112.7
#2	3121.9	47910.	5211.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 18:56:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00115	49.295	-.00181	.00361	.00093	.00016	1.0116	.01809	-.00003	.00058	.00042	-.00476	48.941
Stddev	.00042	.172	.00270	.00081	.00022	.00003	.0019	.00139	.00024	.00009	.00026	.00041	.276
%RSD	36.657	.34889	148.65	22.432	23.018	21.526	.18786	7.6912	734.93	15.951	62.140	8.6872	.56415
#1	-.00145	49.416	.00009	.00418	.00109	.00019	1.0103	.01907	-.00020	.00052	.00060	-.00446	49.136
#2	-.00085	49.173	-.00372	.00303	.00078	.00014	1.0130	.01711	.00013	.00065	.00023	-.00505	48.746
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09387	.00266	-.02336	.00018	.00171	242.37	.00144	.00632	-.00026	4.9518	-.00069	.00741	.01162
Stddev	.02781	.00195	.00190	.00003	.00041	1.35	.00014	.00252	.00083	.0220	.00152	.00204	.00037
%RSD	29.626	73.079	8.1379	14.401	23.884	.55877	9.7217	39.776	318.30	.44518	219.55	27.476	3.1952
#1	.11354	.00404	-.02470	.00019	.00142	243.33	.00154	.00810	.00033	4.9362	.00038	.00885	.01188
#2	.07421	.00129	-.02201	.00016	.00200	241.41	.00134	.00455	-.00085	4.9673	-.00176	.00597	.01136
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02486	.00255	.00050	5.0399	.00853	.00319	10.309	-.00423	.00227	-.04494
Stddev	.00079	.00068	.00003	.0198	.00029	.00079	.091	.00014	.00004	.00154
%RSD	3.1952	26.689	5.5346	.39324	3.3817	24.867	.88334	3.2222	1.5771	3.4172
#1	.02543	.00303	.00052	5.0540	.00833	.00375	10.374	-.00433	.00230	-.04602
#2	.02430	.00207	.00048	5.0259	.00874	.00263	10.245	-.00414	.00225	-.04385
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3148.0	47253.	5167.5
Stddev	5.7	142.	4.7
%RSD	.18026	.30060	.09001
#1	3152.0	47153.	5170.8
#2	3144.0	47354.	5164.2

Sample Name: CCV-1390955 Acquired: 5/1/2012 18:58:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49986	.49020	.99636	.48117	.48426	.46138	-.00317	4.7197	.50028	.49498	.49877	.50748	2.4120
Stddev	.00237	.00405	.00592	.00159	.01209	.01223	.00015	.0994	.00446	.00471	.00499	.00157	.0543
%RSD	.47508	.82614	.59413	.33002	2.4971	2.6516	4.7351	2.1059	.89153	.95065	1.0007	.30972	2.2493
#1	.49818	.49306	1.0005	.48229	.49281	.47003	-.00328	4.7900	.50343	.49831	.50230	.50637	2.4504
#2	.50154	.48734	.99217	.48004	.47570	.45273	-.00306	4.6495	.49712	.49165	.49524	.50859	2.3736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.378	.94723	19.365	.49476	.49759	4.7957	.49450	.94075	1.0230	.01007	.96578	.98932	4.7000
Stddev	1.166	.02119	.071	.00125	.00467	.1088	.00347	.00564	.0059	.00190	.00719	.00263	.0885
%RSD	2.4620	2.2373	.36636	.25329	.93831	2.2686	.70183	.59997	.57923	18.832	.74476	.26587	1.8835
#1	48.203	.96221	19.315	.49387	.50089	4.8726	.49695	.94474	1.0272	.01141	.97087	.98746	4.7626
#2	46.553	.93224	19.415	.49564	.49429	4.7188	.49204	.93675	1.0189	.00873	.96069	.99118	4.6374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.058	.99518	.47691	.00136	.48980	1.0138	.00179	.50151	.50727	.48123
Stddev	.189	.00705	.01207	.00044	.00172	.0076	.04541	.00057	.00114	.01082
%RSD	1.8835	.70877	2.5308	32.538	.35188	.74595	2533.9	.11344	.22429	2.2477
#1	10.192	1.0002	.48544	.00167	.48859	1.0192	-.03031	.50110	.50646	.48888
#2	9.9240	.99019	.46837	.00105	.49102	1.0085	.03390	.50191	.50807	.47358
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3206.0	49040.	5274.8
Stddev	22.6	77.	73.8
%RSD	.70418	.15607	1.3987
#1	3190.0	49094.	5222.7
#2	3222.0	48986.	5327.0

Sample Name: CCB Acquired: 5/1/2012 19:00:37 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.00045	-.00264	.00153	.00015	.00011	-.00101	-.00181	.00024	-.00018	.00019	-.00128
Stddev	.00050	.00032	.00435	.00142	.00024	.00002	.00046	.00190	.00012	.00008	.00013	.00039
%RSD	157.36	72.546	164.87	92.926	157.16	14.025	45.760	105.03	47.734	41.637	68.873	30.227
#1	-.00004	-.00022	-.00571	.00253	.00032	.00012	-.00068	-.00047	.00032	-.00013	.00028	-.00155
#2	.00066	-.00068	.00044	.00052	-.00002	.00010	-.00133	-.00315	.00016	-.00024	.00010	-.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.03862	.00117	.00067	.00009	.00081	W .09694	-.00054	.00177	-.00135	.01034	.00079
Stddev	.00196	.04319	.00208	.00082	.00004	.00022	.00411	.00007	.00044	.00072	.00076	.00170
%RSD	343.13	111.84	177.04	122.02	39.075	27.471	4.2352	12.757	24.864	53.429	7.3519	214.47
#1	.00196	.06916	-.00030	.00009	.00012	.00065	.09984	-.00049	.00208	-.00084	.01088	-.00041
#2	-.00081	.00808	.00264	.00125	.00007	.00097	.09403	-.00058	.00146	-.00186	.00980	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00355	-.00954	-.02042	.00085	.00008	.00160	.00016	.00016	.02861	.00001	.00201	-.00223
Stddev	.00182	.00492	.01053	.00069	.00004	.00250	.00000	.00142	.00307	.00056	.00079	.00046
%RSD	51.147	51.575	51.575	80.469	45.305	155.57	1.3075	904.35	10.725	10978.	39.118	20.837
#1	.00483	-.01302	-.02787	.00134	.00005	-.00016	.00016	.00116	.03078	-.00039	.00257	-.00190
#2	.00227	-.00606	-.01297	.00037	.00010	.00337	.00016	-.00085	.02644	.00040	.00146	-.00256
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3218.6	49589.	5170.6
Stddev	.7	299.	5.7
%RSD	.02110	.60217	.11062
#1	3218.1	49378.	5174.7
#2	3219.1	49800.	5166.6

Sample Name: CCVL1390952 Acquired: 5/1/2012 19:03:03 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01074	.10344	.01293	.09923	.01024	.00104	.11757	.19630	.00536	.01028	.01045	.01477	.09961	3.0614
Stddev	.00018	.00007	.00036	.00053	.00023	.00004	.00182	.00069	.00013	.00009	.00026	.00061	.00350	.0435
%RSD	1.6653	.06779	2.7687	.53073	2.2208	3.9389	1.5482	.34942	2.4332	.89961	2.4526	4.0980	3.5116	1.4193
#1	.01086	.10339	.01268	.09960	.01008	.00101	.11629	.19678	.00526	.01022	.01064	.01520	.09714	3.0307
#2	.01061	.10349	.01319	.09886	.01040	.00107	.11886	.19581	.00545	.01035	.01027	.01435	.10209	3.0921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01157	.20812	.01036	.02006	1.1006	.04111	2.8310	.00987	.00869	.00771	.01756	.47765	1.0222	.10574
Stddev	.00133	.00166	.00006	.00012	.0011	.00015	.0002	.00133	.00027	.00097	.00101	.00996	.0213	.00097
%RSD	11.476	.79611	.54375	.58927	.09613	.36186	.00800	13.439	3.0916	12.536	5.7341	2.0859	2.0859	.91464
#1	.01251	.20695	.01032	.02014	1.1014	.04101	2.8308	.01081	.00850	.00702	.01828	.47060	1.0071	.10505
#2	.01064	.20929	.01040	.01998	1.0999	.04122	2.8311	.00893	.00888	.00839	.01685	.48469	1.0372	.10642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00990	.01436	.01023	.01640	.07789	.00942	.02381	.01560
Stddev	.00000	.00041	.00007	.00178	.00470	.00047	.00005	.00008
%RSD	.04151	2.8535	.72217	10.861	6.0380	5.0304	.20159	.52464
#1	.00990	.01465	.01018	.01514	.07456	.00908	.02385	.01554
#2	.00990	.01407	.01029	.01766	.08121	.00975	.02378	.01566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3295.4	50862.	5258.1
Stddev	7.2	30.	16.2
%RSD	.21776	.05881	.30870
#1	3300.5	50883.	5269.6
#2	3290.3	50841.	5246.6

Sample Name: 280-28002-A-27-J Acquired: 5/1/2012 19:05:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00056	97.622	.05183	.02480	1.5522	.00405	-.00400	28.993	.00165	.08100
Stddev	.00022	.293	.00540	.00048	.0039	.00005	.00184	.067	.00008	.00008
%RSD	39.668	.29968	10.415	1.9329	.25382	1.3574	46.067	.22958	4.8394	.10261
#1	-.00040	97.829	.04801	.02514	1.5549	.00409	-.00530	29.040	.00160	.08094
#2	-.00071	97.416	.05565	.02446	1.5494	.00401	-.00270	28.946	.00171	.08105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22891	.09491	161.90	13.048	.08030	43.523	2.7642	.00204	1.0265	.25773
Stddev	.00049	.00025	.37	.085	.00149	.038	.0017	.00011	.0076	.00034
%RSD	.21411	.26690	.22609	.64865	1.8516	.08748	.06207	5.5211	.74489	.13124
#1	.22926	.09509	162.16	13.108	.08135	43.550	2.7654	.00196	1.0319	.25749
#2	.22856	.09473	161.64	12.989	.07925	43.496	2.7630	.00212	1.0211	.25797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.9445	.08320	1.4024	-.00200	.00574	2.1339	4.5666	.00828	.26704	.03868
Stddev	.0073	.00055	.0027	.00138	.00230	.0212	.0453	.00053	.00058	.00180
%RSD	.14840	.65540	.19368	68.909	40.006	.99150	.99150	6.3532	.21766	4.6441
#1	4.9497	.08359	1.4005	-.00298	.00736	2.1190	4.5346	.00865	.26746	.03741
#2	4.9394	.08281	1.4043	-.00103	.00411	2.1489	4.5986	.00791	.26663	.03996
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6183	.00045	F -.12342	.30548	.52544	.09483
Stddev	.0007	.00279	.00457	.00025	.00224	.00060
%RSD	.04441	616.51	3.6999	.08281	.42591	.63547
#1	1.6178	.00242	-.12665	.30530	.52385	.09526
#2	1.6188	-.00152	-.12019	.30566	.52702	.09441
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3425.1	51829.	5748.2
Stddev	2.2	209.	30.0
%RSD	.06497	.40331	.52255
#1	3423.5	51682.	5727.0
#2	3426.7	51977.	5769.5

Sample Name: 280-28002-A-27-K MS Acquired: 5/1/2012 19:07:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04880	144.61	1.0126	.91394	3.7483	.04972	F 1.9727	74.389	.09651	.53346
Stddev	.00070	1.14	.0052	.00151	.0265	.00034	.0015	.546	.00017	.00045
%RSD	1.4405	.78530	.51702	.16471	.70746	.69027	.07504	.73397	.18128	.08466
#1	.04930	143.81	1.0089	.91500	3.7296	.04948	1.9716	74.003	.09638	.53378
#2	.04830	145.41	1.0163	.91287	3.7671	.04997	1.9737	74.775	.09663	.53314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49269	.34605	179.13	65.944	1.0175	93.618	3.3483	.89940	50.009	.70786
Stddev	.00062	.00098	1.40	.444	.0067	.303	.0133	.00102	.380	.00135
%RSD	.12513	.28260	.78007	.67283	.65842	.32336	.39848	.11391	.75988	.19125
#1	.49226	.34674	178.14	65.630	1.0128	93.832	3.3578	.90012	49.740	.70690
#2	.49313	.34536	180.12	66.258	1.0222	93.404	3.3389	.89867	50.277	.70882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.657	.53385	1.4917	.18895	1.8742	4.5044	9.6393	1.7645	1.2796	1.0132
Stddev	.052	.00065	.0076	.00267	.0030	.0442	.0946	.0034	.0078	.0044
%RSD	.37994	.12182	.50896	1.4105	.15847	.98178	.98178	.19548	.61083	.43316
#1	13.620	.53431	1.4970	.18707	1.8721	4.4731	9.5724	1.7620	1.2741	1.0163
#2	13.694	.53340	1.4863	.19084	1.8763	4.5356	9.7062	1.7669	1.2852	1.0101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.7516	1.7590	1.9370	.95805	1.0204	.57326
Stddev	.0087	.0040	.0167	.00440	.0025	.00338
%RSD	.23088	.22900	.86445	.45927	.24717	.58904
#1	3.7577	1.7619	1.9252	.96116	1.0222	.57087
#2	3.7454	1.7562	1.9488	.95494	1.0186	.57565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3301.7	49701.	5680.0
Stddev	3.4	270.	49.8
%RSD	.10268	.54335	.87605
#1	3299.3	49510.	5715.2
#2	3304.1	49892.	5644.8

Sample Name: 280-28002-A-27-L MSD Acquired: 5/1/2012 19:09:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04850	141.34	1.0131	.90214	3.6925	.04876	F 1.9519	73.499	.09552	.53194
Stddev	.00046	2.11	.0106	.00367	.0565	.00058	.0030	.946	.00026	.00020
%RSD	.94910	1.4944	1.0426	.40675	1.5299	1.1926	.15167	1.2871	.27457	.03708
#1	.04818	139.85	1.0205	.90473	3.6526	.04835	1.9498	72.831	.09571	.53208
#2	.04883	142.83	1.0056	.89954	3.7324	.04917	1.9540	74.168	.09534	.53180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48597	.34560	195.46	64.227	.99772	92.944	3.6684	.89338	48.989	.71158
Stddev	.00051	.00117	2.66	1.009	.01572	.092	.0001	.00245	.513	.00000
%RSD	.10593	.33749	1.3600	1.5712	1.5761	.09931	.00225	.27421	1.0473	.00051
#1	.48560	.34477	193.58	63.514	.98660	92.879	3.6683	.89165	48.626	.71158
#2	.48633	.34642	197.34	64.941	1.0088	93.010	3.6684	.89511	49.352	.71158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.990	.53004	1.4090	.19153	1.8428	4.4601	9.5446	1.7459	1.2527	.99708
Stddev	.009	.00232	.0130	.00175	.0030	.0793	.1698	.0061	.0186	.00027
%RSD	.06662	.43732	.92287	.91569	.16353	1.7788	1.7788	.34722	1.4865	.02666
#1	13.996	.52841	1.3998	.19029	1.8407	4.4040	9.4245	1.7416	1.2395	.99727
#2	13.983	.53168	1.4182	.19277	1.8449	4.5162	9.6646	1.7502	1.2658	.99689
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6336	1.7404	1.8880	.97001	1.0253	.56571
Stddev	.0027	.0085	.0143	.00155	.0004	.00798
%RSD	.07450	.48833	.75860	.15972	.04381	1.4097
#1	3.6355	1.7344	1.8981	.97111	1.0256	.56007
#2	3.6317	1.7464	1.8778	.96892	1.0250	.57135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3300.8	49915.	5720.7
Stddev	4.7	15.	71.6
%RSD	.14169	.03049	1.2520
#1	3297.5	49904.	5771.3
#2	3304.1	49925.	5670.1

Sample Name: 280-28002-A-28-D Acquired: 5/1/2012 19:12:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	117.81	.10182	.08230	1.0316	.00758	-.00188	141.72	.00291	.07755
Stddev	.00004	.12	.00610	.00101	.0024	.00002	.00167	.09	.00009	.00023
%RSD	14.990	.10180	5.9899	1.2280	.23765	.28075	88.868	.06669	3.0202	.29701
#1	.00026	117.89	.10613	.08159	1.0333	.00760	-.00070	141.79	.00297	.07738
#2	.00021	117.72	.09751	.08302	1.0299	.00757	-.00306	141.66	.00285	.07771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19187	.23111	165.40	18.142	.15265	108.85	3.6510	.00794	5.6721	.20296
Stddev	.00006	.00051	.13	.064	.00372	.15	.0030	.00030	.0095	.00031
%RSD	.03141	.21979	.07975	.35546	2.4363	.13611	.08144	3.8144	.16772	.15471
#1	.19183	.23075	165.50	18.188	.15002	108.74	3.6531	.00772	5.6654	.20318
#2	.19192	.23147	165.31	18.097	.15528	108.95	3.6489	.00815	5.6788	.20274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.5825	.13575	6.1377	.00124	.00885	2.5139	5.3798	.00921	.39128	.06362
Stddev	.0114	.00013	.0162	.00016	.00249	.0060	.0129	.00043	.00121	.00148
%RSD	.24921	.09401	.26361	12.540	28.107	.24055	.24055	4.6913	.30911	2.3188
#1	4.5744	.13566	6.1262	.00135	.00709	2.5096	5.3706	.00890	.39214	.06466
#2	4.5906	.13584	6.1491	.00113	.01061	2.5182	5.3889	.00951	.39043	.06258
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2057	.00110	F -.20373	.26622	.57846	.12961
Stddev	.0011	.00200	.00955	.00092	.00072	.00037
%RSD	.09452	181.50	4.6859	.34613	.12501	.28562
#1	1.2049	-.00031	-.21048	.26557	.57897	.12987
#2	1.2065	.00252	-.19698	.26687	.57795	.12934
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3410.0	51655.	5904.0
Stddev	.5	39.	25.3
%RSD	.01413	.07453	.42863
#1	3409.6	51628.	5921.9
#2	3410.3	51682.	5886.1

Sample Name: 280-28002-A-29-D Acquired: 5/1/2012 19:14:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	112.43	.16699	.06139	1.0790	.00750	.00004	194.40	.00307	.06352
Stddev	.00053	.57	.00004	.00115	.0050	.00000	.00364	.95	.00012	.00043
%RSD	2308.9	.50733	.02541	1.8783	.45937	.01029	8425.9	.48677	4.0587	.67045
#1	-.00035	112.83	.16702	.06058	1.0825	.00750	-.00253	195.07	.00316	.06383
#2	.00039	112.03	.16696	.06221	1.0755	.00751	.00262	193.73	.00299	.06322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13935	.21112	166.26	18.611	.14346	85.537	3.3370	.00750	1.1206	.16461
Stddev	.00015	.00067	1.07	.101	.00005	.182	.0049	.00002	.0019	.00029
%RSD	.10877	.31512	.64127	.54436	.03314	.21294	.14633	.24894	.16562	.17825
#1	.13924	.21065	167.02	18.682	.14350	85.408	3.3336	.00749	1.1193	.16441
#2	.13945	.21159	165.51	18.539	.14343	85.666	3.3405	.00751	1.1220	.16482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.3403	.15513	2.6682	-.00206	.00953	2.7191	5.8189	.00913	.33789	.06583
Stddev	.0028	.00091	.0046	.00083	.00333	.0363	.0777	.00047	.00133	.00345
%RSD	.08478	.58824	.17174	40.332	34.933	1.3353	1.3353	5.1245	.39352	5.2401
#1	3.3383	.15578	2.6714	-.00265	.00718	2.7448	5.8738	.00946	.33883	.06339
#2	3.3423	.15449	2.6649	-.00148	.01188	2.6934	5.7640	.00880	.33695	.06827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.77562	.00154	F -.19581	.21451	.52796	.08631
Stddev	.00025	.00077	.03550	.00024	.00213	.00151
%RSD	.03198	50.303	18.129	.11101	.40373	1.7550
#1	.77579	.00208	-.22091	.21468	.52645	.08738
#2	.77544	.00099	-.17071	.21434	.52946	.08524
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3401.8	51415.	5858.5
Stddev	.8	198.	8.9
%RSD	.02251	.38425	.15122
#1	3401.2	51275.	5864.7
#2	3402.3	51555.	5852.2

Sample Name: 280-28002-A-30-D Acquired: 5/1/2012 19:16:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	109.42	.07206	.05905	1.0253	.00660	-.00503	184.95	.00262	.06733
Stddev	.00057	.09	.00638	.00023	.0003	.00002	.00427	.39	.00014	.00032
%RSD	466.55	.08287	8.8514	.39793	.03326	.31384	84.907	.21335	5.2232	.46889
#1	.00028	109.48	.06755	.05889	1.0255	.00659	-.00201	185.23	.00272	.06756
#2	-.00053	109.35	.07657	.05922	1.0250	.00662	-.00804	184.67	.00252	.06711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18052	.18354	151.02	17.344	.11632	95.805	3.2655	.00388	1.4867	.16194
Stddev	.00010	.00022	.17	.022	.00060	.253	.0052	.00037	.0040	.00012
%RSD	.05750	.11752	.11025	.12427	.51954	.26378	.15965	9.4901	.27135	.07300
#1	.18044	.18339	151.14	17.359	.11590	95.626	3.2618	.00362	1.4896	.16202
#2	.18059	.18369	150.91	17.329	.11675	95.984	3.2692	.00414	1.4839	.16185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.8307	.12199	2.3029	.00122	.00874	2.3746	5.0817	.00647	.47744	.05904
Stddev	.0122	.00291	.0014	.00081	.00057	.0232	.0497	.00135	.00008	.00423
%RSD	.25250	2.3874	.05991	66.564	6.4944	.97716	.97716	20.810	.01691	7.1684
#1	4.8393	.11993	2.3039	.00065	.00914	2.3910	5.1168	.00743	.47739	.05605
#2	4.8221	.12405	2.3019	.00180	.00834	2.3582	5.0466	.00552	.47750	.06203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1713	-.00122	F -.19656	.24873	.52570	.08460
Stddev	.0033	.00200	.01768	.00098	.00073	.00069
%RSD	.28527	164.48	8.9962	.39350	.13885	.81338
#1	1.1690	.00020	-.18405	.24803	.52621	.08508
#2	1.1737	-.00263	-.20906	.24942	.52518	.08411
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3391.2	51089.	5856.5
Stddev	4.5	109.	8.0
%RSD	.13284	.21292	.13681
#1	3388.0	51166.	5850.9
#2	3394.4	51012.	5862.2

Sample Name: 280-28002-A-31-D Acquired: 5/1/2012 19:18:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	121.50	.10349	.07271	1.7907	.00720	-.00179	121.50	.00379	.08096
Stddev	.00002	.53	.00210	.00091	.0053	.00011	.00135	.32	.00012	.00000
%RSD	7.6018	.43902	2.0330	1.2567	.29736	1.4776	75.422	.26461	3.1768	.00203
#1	.00025	121.12	.10498	.07207	1.7869	.00712	-.00274	121.27	.00370	.08096
#2	.00022	121.87	.10200	.07336	1.7944	.00727	-.00083	121.72	.00387	.08096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19333	.21762	177.26	22.888	.11983	86.034	5.4514	.00664	1.7235	.21262
Stddev	.00027	.00060	.29	.004	.00135	.232	.0678	.00015	.0138	.00032
%RSD	.13713	.27685	.16524	.01750	1.1247	.26912	1.2429	2.3237	.80342	.14848
#1	.19352	.21805	177.05	22.885	.11887	86.198	5.4035	.00674	1.7138	.21284
#2	.19315	.21719	177.47	22.891	.12078	85.871	5.4994	.00653	1.7333	.21239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 5.7104	.15923	3.1316	.00128	.01017	2.4505	5.2441	.00902	.34688	.05882
Stddev	.0009	.00070	.0120	.00055	.00022	.0188	.0401	.00047	.00071	.00131
%RSD	.01643	.43878	.38406	43.112	2.2082	.76546	.76546	5.1974	.20341	2.2202
#1	5.7111	.15874	3.1401	.00167	.01001	2.4638	5.2725	.00935	.34638	.05975
#2	5.7098	.15972	3.1231	.00089	.01033	2.4373	5.2158	.00869	.34738	.05790
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3710	.00231	F -.19041	.30713	.66699	.12998
Stddev	.0034	.00090	.03942	.00114	.00480	.00217
%RSD	.24481	38.885	20.703	.37230	.71890	1.6730
#1	1.3734	.00295	-.16254	.30794	.67038	.13152
#2	1.3687	.00168	-.21829	.30632	.66360	.12844
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3448.1	51802.	5930.3
Stddev	7.8	41.	30.7
%RSD	.22603	.07958	.51728
#1	3442.6	51773.	5952.0
#2	3453.6	51831.	5908.7

Sample Name: 280-28002-A-32-D Acquired: 5/1/2012 19:21:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	127.43	.11805	.07109	1.9537	.00786	.00082	140.92	.00402	.09006
Stddev	.00026	.01	.00276	.00079	.0024	.00001	.00355	.15	.00003	.00024
%RSD	46.532	.00643	2.3384	1.1149	.12306	.06609	435.16	.10860	.85588	.26578
#1	.00074	127.43	.12000	.07165	1.9520	.00786	-.00169	140.82	.00399	.09023
#2	.00037	127.44	.11610	.07053	1.9554	.00785	.00332	141.03	.00404	.08989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20376	.23684	196.02	24.088	.12878	91.830	6.3460	.00669	1.8049	.24042
Stddev	.00112	.00020	.48	.093	.00257	.020	.0757	.00045	.0041	.00114
%RSD	.55181	.08302	.24650	.38695	1.9941	.02196	1.1937	6.7070	.22821	.47468
#1	.20296	.23670	195.68	24.022	.12696	91.844	6.2924	.00637	1.8079	.24122
#2	.20455	.23698	196.36	24.154	.13059	91.816	6.3996	.00701	1.8020	.23961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 6.2305	.17288	3.4397	-.00266	.01526	2.2902	4.9010	.00971	.37680	.06208
Stddev	.0111	.00003	.0023	.00344	.00230	.0064	.0138	.00093	.00069	.00057
%RSD	.17874	.01966	.06791	129.27	15.041	.28063	.28063	9.5884	.18389	.91414
#1	6.2226	.17286	3.4381	-.00509	.01364	2.2856	4.8912	.01036	.37631	.06249
#2	6.2384	.17291	3.4414	-.00023	.01689	2.2947	4.9107	.00905	.37729	.06168
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3690	-.00001	F -.20996	.32495	.72098	.13617
Stddev	.0021	.00170	.01264	.00064	.00303	.00129
%RSD	.15302	16447.	6.0200	.19774	.42044	.94516
#1	1.3705	.00119	-.21890	.32449	.72313	.13526
#2	1.3676	-.00122	-.20102	.32540	.71884	.13708
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3475.8	51922.	5948.0
Stddev	1.1	80.	9.8
%RSD	.03174	.15405	.16419
#1	3476.6	51866.	5954.9
#2	3475.0	51979.	5941.1

Sample Name: CCVH-1390999 Acquired: 5/1/2012 19:23:32 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00168	48.495	.00061	.00203	.00108	.00004	1.0094	.04452	.00009	.00015	.00047	-.00452	48.512
Stddev	.00024	.045	.00027	.00032	.00019	.00006	.0032	.00255	.00003	.00012	.00012	.00003	.103
%RSD	14.146	.09306	43.631	15.545	17.462	163.01	.31833	5.7291	28.619	79.649	24.688	.76714	.21141
#1	-.00151	48.527	.00042	.00225	.00122	.00008	1.0117	.04632	.00011	.00024	.00055	-.00449	48.585
#2	-.00185	48.463	.00080	.00180	.00095	-.00001	1.0072	.04272	.00008	.00007	.00039	-.00454	48.440
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09054	.00271	.00150	.00169	.00057	239.51	.00086	.00552	-.00119	4.9747	-.00359	.00917	-.00315
Stddev	.01422	.00005	.00462	.00006	.00007	1.01	.00005	.00092	.00042	.0037	.00024	.00461	.00634
%RSD	15.705	1.6628	308.33	3.7803	12.397	.42253	5.6070	16.606	35.373	.07350	6.6823	50.254	201.47
#1	.10059	.00268	.00476	.00174	.00062	240.22	.00082	.00617	-.00149	4.9773	-.00342	.00591	-.00763
#2	.08048	.00274	-.00177	.00165	.00052	238.79	.00089	.00488	-.00089	4.9721	-.00376	.01243	.00134
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00674	.00172	.00050	4.9988	.00889	.00177	10.256	-.00435	.00091	-.04438
Stddev	.01357	.00108	.00007	.0161	.00025	.00199	.038	.00053	.00123	.00040
%RSD	201.47	63.170	14.140	.32148	2.8208	112.09	.37049	12.122	135.03	.89816
#1	-.01633	.00095	.00055	5.0101	.00871	.00037	10.283	-.00397	.00004	-.04466
#2	.00286	.00248	.00045	4.9874	.00907	.00318	10.229	-.00472	.00178	-.04409
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3171.6	47951.	5275.1
Stddev	2.5	33.	44.7
%RSD	.07761	.06810	.84817
#1	3173.3	47974.	5243.5
#2	3169.9	47928.	5306.8

Sample Name: CCV-1390955 Acquired: 5/1/2012 19:25:52 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50005	.50443	.98971	.47808	.48916	.46530	-.00370	4.7528	.50006	.49549	.49863	.50914	2.4543
Stddev	.00125	.00020	.00114	.00115	.00029	.00109	.00122	.0077	.00075	.00038	.00035	.00113	.0071
%RSD	.25016	.03968	.11558	.24041	.05848	.23384	32.967	.16288	.15023	.07670	.06936	.22234	.29018
#1	.49916	.50428	.99052	.47727	.48896	.46453	-.00284	4.7474	.49953	.49522	.49838	.50834	2.4493
#2	.50093	.50457	.98890	.47889	.48936	.46607	-.00456	4.7583	.50059	.49576	.49887	.50994	2.4594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.897	.94958	19.430	.49609	.49649	4.8184	.49448	.94038	1.0272	.01223	.96364	1.0053	4.6700
Stddev	.100	.00049	.043	.00085	.00009	.0338	.00098	.00101	.0030	.00117	.00182	.0087	.0365
%RSD	.20890	.05127	.22138	.17196	.01849	.70110	.19868	.10767	.29591	9.5759	.18857	.86442	.78174
#1	47.827	.94993	19.399	.49549	.49643	4.8423	.49379	.93966	1.0294	.01306	.96236	1.0114	4.6441
#2	47.968	.94924	19.460	.49669	.49656	4.7945	.49518	.94109	1.0251	.01140	.96493	.99915	4.6958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9937	.99248	.48219	.00238	.48897	1.0143	.00604	.49854	.50820	.48834
Stddev	.0781	.00324	.00083	.00226	.00116	.0014	.03116	.00074	.00176	.00268
%RSD	.78174	.32628	.17239	94.765	.23680	.13777	515.69	.14895	.34541	.54923
#1	9.9385	.99477	.48160	.00079	.48978	1.0133	.02808	.49801	.50696	.49023
#2	10.049	.99019	.48278	.00398	.48815	1.0153	-.01599	.49906	.50944	.48644
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3226.3	49235.	5293.5
Stddev	7.7	222.	9.5
%RSD	.23839	.45017	.17933
#1	3231.8	49391.	5286.7
#2	3220.9	49078.	5300.2

Sample Name: CCB Acquired: 5/1/2012 19:28:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00449	-.00152	.00041	.00047	.00019	-.00196	.00584	.00004	-.00026	-.00005	-.00122
Stddev	.00004	.00049	.00171	.00011	.00008	.00001	.00064	.00270	.00010	.00015	.00020	.00037
%RSD	12.930	10.808	112.72	27.373	17.683	7.6087	32.574	46.288	241.73	57.228	413.53	30.600
#1	.00034	.00484	-.00031	.00049	.00053	.00020	-.00151	.00775	.00011	-.00037	.00009	-.00096
#2	.00028	.00415	-.00273	.00033	.00041	.00018	-.00241	.00393	-.00003	-.00016	-.00019	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00906	.04972	.00238	.00662	.00023	.00101	W .10573	-.00032	.00199	.00018	.00932	.00078
Stddev	.00276	.04203	.00099	.00141	.00007	.00004	.00324	.00046	.00146	.00081	.00243	.00007
%RSD	30.466	84.529	41.494	21.263	30.897	3.8641	3.0635	143.27	73.356	441.37	26.116	8.4346
#1	.01101	.07943	.00308	.00762	.00028	.00103	.10344	.00000	.00096	-.00039	.01104	.00073
#2	.00711	.02000	.00168	.00563	.00018	.00098	.10802	-.00065	.00302	.00076	.00760	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00460	-.01573	-.03366	.00192	.00012	.00071	.00058	-.00054	.02183	-.00025	.00244	-.00237
Stddev	.00051	.00097	.00208	.00139	.00008	.00147	.00022	.00265	.02905	.00012	.00060	.00139
%RSD	11.135	6.1761	6.1761	72.149	61.967	205.10	37.469	490.57	133.09	47.195	24.553	58.869
#1	.00424	-.01504	-.03219	.00290	.00018	-.00032	.00073	.00133	.04236	-.00017	.00201	-.00138
#2	.00497	-.01642	-.03513	.00094	.00007	.00175	.00042	-.00241	.00129	-.00034	.00286	-.00335
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3257.8	50168.	5264.9
Stddev	.4	24.	48.4
%RSD	.01365	.04882	.91910
#1	3258.1	50186.	5230.7
#2	3257.5	50151.	5299.1

Sample Name: CCVL1390952 Acquired: 5/1/2012 19:30:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01055	.10441	.01366	.09727	.01032	.00104	.11576	.19563	.00509	.01012	.00992	.01436	.10056
Stddev	.00023	.00076	.00100	.00069	.00054	.00002	.00036	.00164	.00011	.00008	.00002	.00030	.00280
%RSD	2.1802	.73016	7.3193	.71245	5.1869	1.7063	.30825	.83582	2.2548	.76686	.20674	2.1230	2.7856
#1	.01071	.10495	.01437	.09678	.00994	.00105	.11551	.19447	.00501	.01006	.00994	.01414	.09858
#2	.01039	.10387	.01296	.09776	.01070	.00103	.11601	.19678	.00517	.01017	.00991	.01457	.10254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0051	F .01483	.20925	.01042	.01974	1.0810	.04061	2.7954	.00965	.00855	.00774	.01585	.45637
Stddev	.0008	.00008	.00584	.00004	.00010	.0128	.00010	.0157	.00042	.00039	.00187	.00381	.01528
%RSD	.02572	.51930	2.7917	.34350	.49681	1.1836	.23906	.56144	4.3557	4.5717	24.088	24.020	3.3476
#1	3.0056	.01477	.21339	.01039	.01967	1.0720	.04068	2.7843	.00994	.00828	.00642	.01316	.44557
#2	3.0045	.01488	.20512	.01044	.01981	1.0901	.04054	2.8065	.00935	.00883	.00906	.01854	.46717
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97663	.10190	.00990	.01548	.00991	.01858	.07320	.00941	.02220	.01288
Stddev	.03269	.00049	.00003	.00097	.00015	.00126	.01008	.00000	.00009	.00028
%RSD	3.3476	.47674	.33290	6.2523	1.5123	6.7932	13.777	.03522	.39419	2.1816
#1	.95351	.10156	.00988	.01480	.00980	.01769	.08033	.00941	.02214	.01308
#2	.99974	.10225	.00992	.01617	.01002	.01947	.06607	.00941	.02226	.01268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3323.0	51063.	5303.6
Stddev	5.3	210.	7.2
%RSD	.15874	.41035	.13541
#1	3326.7	51211.	5308.7
#2	3319.2	50915.	5298.6

Sample Name: LB 280-117437/1-B Acquired: 5/1/2012 19:32:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00342	W -.00563	W .00984	F .01206	.00003	-.00131	W .17544	.00021	-.00027
Stddev	.00037	.00021	.00390	.00035	.00023	.00007	.00027	.00222	.00014	.00013
%RSD	836.83	6.2630	69.345	3.5315	1.8840	243.04	20.811	1.2641	68.973	49.458
#1	-.00031	.00327	-.00839	.01009	.01190	.00008	-.00112	.17387	.00031	-.00036
#2	.00022	.00358	-.00287	.00960	.01222	-.00002	-.00150	.17701	.00011	-.00017
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			.00500	.00500	.01000			.10000		
Low Limit			-.00500	-.00500	-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00292	.00371	.09700	.00179	.02118	.00026	-.00029	263.91	.00024
Stddev	.00005	.00036	.00103	.00227	.00113	.00154	.00002	.00036	.81	.00053
%RSD	26.222	12.430	27.670	2.3446	62.922	7.2552	7.2026	123.09	.30865	219.93
#1	.00022	.00266	.00443	.09539	.00259	.02227	.00024	-.00054	263.33	.00062
#2	.00015	.00317	.00298	.09861	.00099	.02010	.00027	-.00004	264.48	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00314	-.00057	F .01162	-.00177	.00109	F -.01418	-.03035	.00092	.00058	.00101
Stddev	.00425	.00119	.00130	.00145	.00196	.00283	.00606	.00071	.00004	.00140
%RSD	135.47	209.00	11.144	81.758	179.67	19.964	19.964	77.329	6.5919	138.50
#1	.00013	.00027	.01071	-.00280	-.00029	-.01218	-.02606	.00142	.00060	.00200
#2	.00614	-.00142	.01254	-.00075	.00247	-.01618	-.03463	.00042	.00055	.00002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	-.00055	.00465	-.00059	W .00689	.00051
Stddev	.00039	.00080	.01775	.00033	.00064	.00012
%RSD	428.46	145.14	382.15	56.600	9.2364	22.840
#1	.00019	-.00112	.01720	-.00035	.00734	.00060
#2	-.00037	.00001	-.00791	-.00082	.00644	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3103.2	47343.	5277.2
Stddev	1.5	98.	60.3
%RSD	.04872	.20671	1.1422
#1	3102.1	47412.	5319.8
#2	3104.3	47274.	5234.6

Sample Name: LCS 280-117437/2-B Acquired: 5/1/2012 19:35:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20570	W .36542	.78954	.18693	2.2722	.00887	.38561	9.1304	.21709	.09190
Stddev	.00037	.00285	.00531	.00048	.0014	.00012	.00039	.0106	.00039	.00037
%RSD	.17821	.77903	.67308	.25922	.06367	1.3344	.10239	.11658	.18116	.40056
#1	.20596	.36744	.79330	.18727	2.2733	.00896	.38589	9.1379	.21736	.09164
#2	.20544	.36341	.78578	.18659	2.2712	.00879	.38533	9.1229	.21681	.09216
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0082	.45244	.21011	9.3487	.18255	F 8.8454	.09569	.19276	F 264.68	.09203
Stddev	.0012	.00153	.00172	.0048	.00101	.0236	.00067	.00082	.49	.00021
%RSD	.12306	.33806	.81876	.05126	.55298	.26724	.69974	.42647	.18342	.22926
#1	1.0091	.45136	.20889	9.3453	.18327	8.8286	.09521	.19335	265.03	.09217
#2	1.0074	.45353	.21132	9.3521	.18184	8.8621	.09616	.19218	264.34	.09188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8458	1.0483	.09910	F .08618	.58406	F 1.8168	F 3.8880	.37634	.18679	.19091
Stddev	.0035	.0027	.00044	.00228	.00391	.0157	.0335	.00067	.00011	.00112
%RSD	.18989	.25813	.44564	2.6470	.66875	.86133	.86133	.17702	.06075	.58873
#1	1.8483	1.0503	.09879	.08779	.58130	1.8279	3.9117	.37681	.18687	.19012
#2	1.8434	1.0464	.09941	.08456	.58682	1.8058	3.8643	.37587	.18671	.19171
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.10800		2.3000	4.9220			
Low Limit				.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19063	.35823	.43152	.09766	.50805	.09178
Stddev	.00004	.00064	.04791	.00047	.00316	.00081
%RSD	.02113	.17728	11.102	.47716	.62188	.88044
#1	.19060	.35868	.39764	.09799	.50581	.09235
#2	.19066	.35778	.46539	.09733	.51028	.09121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3096.7	47008.	5275.1
Stddev	2.0	97.	10.8
%RSD	.06362	.20601	.20465
#1	3098.1	47076.	5267.4
#2	3095.4	46939.	5282.7

Sample Name: 280-28166-A-1-B Acquired: 5/1/2012 19:37:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.06095	-.00461	.00589	.11180	.00009	-.00496	1.7379	.00026	.00022
Stddev	.00002	.00063	.00220	.00063	.00037	.00002	.00196	.0047	.00003	.00025
%RSD	3.9489	1.0264	47.586	10.681	.33206	26.798	39.550	.27131	13.017	114.79
#1	.00051	.06140	-.00306	.00634	.11154	.00007	-.00635	1.7346	.00029	.00004
#2	.00048	.06051	-.00617	.00545	.11206	.00010	-.00357	1.7413	.00024	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00606	1.0713	.32869	.00239	.15021	.02988	.00010	265.01	.00108
Stddev	.00028	.00003	.0004	.02397	.00146	.00066	.00002	.00010	.15	.00020
%RSD	36.687	.43868	.03929	7.2916	61.168	.43946	.05387	98.615	.05765	18.144
#1	.00057	.00608	1.0716	.31174	.00136	.15067	.02987	.00017	264.90	.00122
#2	.00096	.00604	1.0710	.34563	.00343	.14974	.02989	.00003	265.11	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00181	.00073	.08105	-.00253	-.00447	.17386	.37207	.00095	.01650	.00082
Stddev	.00146	.00027	.00432	.00057	.00475	.00773	.01654	.00084	.00002	.00066
%RSD	80.393	37.183	5.3332	22.474	106.36	4.4450	4.4450	88.916	.13976	80.000
#1	.00078	.00092	.08411	-.00213	-.00783	.16840	.36037	.00035	.01651	.00036
#2	.00284	.00054	.07800	-.00293	-.00111	.17933	.38376	.00155	.01648	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00052	.02170	-.00011	.07998	.00013
Stddev	.00006	.00227	.02008	.00021	.00077	.00101
%RSD	45.004	431.92	92.539	188.67	.96399	786.66
#1	.00017	-.00108	.03590	-.00026	.07944	-.00059
#2	.00009	.00213	.00750	.00004	.08053	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3107.3	47454.	5273.4
Stddev	4.4	4.	16.0
%RSD	.14148	.00774	.30306
#1	3110.4	47457.	5262.1
#2	3104.2	47451.	5284.7

Sample Name: 280-28166-A-2-B Acquired: 5/1/2012 19:40:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.07858	-.00172	.00532	.11440	.00017	.00080	2.4928	.00020	.00080
Stddev	.00054	.00019	.00064	.00078	.00018	.00003	.00029	.0043	.00015	.00011
%RSD	1699.5	.24455	36.970	14.648	.15746	15.862	36.559	.17152	75.510	14.008
#1	.00041	.07872	-.00218	.00587	.11427	.00015	.00059	2.4958	.00031	.00087
#2	-.00035	.07845	-.00127	.00477	.11452	.00019	.00101	2.4897	.00009	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	.00733	1.4667	.39924	.00117	.17656	.05624	-.00027	265.40	.00178
Stddev	.00014	.00025	.0103	.05298	.00027	.00437	.00010	.00008	.24	.00017
%RSD	14.802	3.3601	.69998	13.271	22.780	2.4757	.17101	29.710	.09206	9.3583
#1	.00103	.00750	1.4594	.36177	.00136	.17347	.05618	-.00021	265.23	.00190
#2	.00083	.00715	1.4740	.43671	.00098	.17965	.05631	-.00032	265.57	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00173	.00118	.12220	-.00122	.00132	.24148	.51677	.00058	.02128	-.00134
Stddev	.00179	.00022	.00077	.00113	.00247	.00246	.00527	.00107	.00004	.00051
%RSD	103.34	19.010	.62757	92.972	187.26	1.0204	1.0204	184.50	.17905	37.800
#1	.00299	.00102	.12274	-.00042	-.00043	.24323	.52050	.00133	.02131	-.00170
#2	.00047	.00133	.12166	-.00202	.00307	.23974	.51304	-.00018	.02125	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00146	.04505	-.00067	.15434	-.00014
Stddev	.00023	.00235	.00858	.00001	.00030	.00018
%RSD	150.28	160.53	19.048	2.0926	.19749	122.97
#1	.00031	-.00020	.05112	-.00066	.15456	-.00002
#2	-.00001	.00313	.03898	-.00068	.15413	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3104.4	47282.	5296.1
Stddev	.2	20.	12.0
%RSD	.00607	.04207	.22585
#1	3104.5	47296.	5304.5
#2	3104.3	47268.	5287.6

Sample Name: 280-28166-A-3-B Acquired: 5/1/2012 19:42:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.09202	-.00342	.00603	.13400	.00016	-.00159	2.6365	.00045	.00131
Stddev	.00038	.00106	.00225	.00075	.00056	.00005	.00025	.0069	.00029	.00001
%RSD	2539.8	1.1477	65.692	12.467	.41760	33.213	15.537	.26171	64.634	.83431
#1	-.00026	.09277	-.00183	.00550	.13360	.00012	-.00141	2.6316	.00024	.00131
#2	.00029	.09128	-.00501	.00656	.13439	.00019	-.00176	2.6413	.00065	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00181	.00907	4.4039	.45708	.00159	.29875	.14878	-.00044	268.85	.00334
Stddev	.00029	.00019	.0003	.02631	.00097	.00367	.00025	.00045	.60	.00024
%RSD	15.926	2.0820	.00592	5.7553	61.212	1.2270	.16844	102.10	.22473	7.1909
#1	.00202	.00894	4.4037	.43847	.00090	.29616	.14860	-.00012	269.28	.00317
#2	.00161	.00921	4.4041	.47568	.00228	.30134	.14895	-.00076	268.43	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00453	-.00022	.20209	-.00169	.00440	.29015	.62092	.00067	.02581	-.00017
Stddev	.00074	.00136	.00314	.00127	.00020	.00587	.01256	.00055	.00014	.00049
%RSD	16.411	620.90	1.5548	75.057	4.5271	2.0226	2.0226	82.130	.56141	292.94
#1	.00401	-.00118	.20431	-.00259	.00426	.29430	.62980	.00106	.02571	-.00051
#2	.00506	.00074	.19987	-.00079	.00454	.28600	.61204	.00028	.02592	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	-.00060	.03604	-.00012	.12229	-.00138
Stddev	.00003	.00089	.00210	.00004	.00068	.00055
%RSD	12.718	149.01	5.8378	36.097	.55379	39.568
#1	-.00018	.00003	.03753	-.00015	.12181	-.00177
#2	-.00022	-.00123	.03455	-.00009	.12277	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3106.0	47256.	5196.3
Stddev	6.1	99.	10.1
%RSD	.19582	.20914	.19454
#1	3110.3	47326.	5203.4
#2	3101.7	47186.	5189.1

Sample Name: CCVH-1390999 Acquired: 5/1/2012 19:44:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00080	48.846	.00004	.00135	.00042	.00007	1.0187	.00091	.00010	.00044	.00045	-.00421	48.547
Stddev	.00049	.134	.00231	.00014	.00013	.00005	.0018	.00111	.00003	.00011	.00004	.00046	.057
%RSD	60.497	.27376	5785.7	10.698	31.152	72.210	.17986	121.78	28.015	24.510	8.8723	10.991	.11663
#1	-.00115	48.751	.00167	.00124	.00033	.00011	1.0200	.00013	.00008	.00037	.00042	-.00454	48.507
#2	-.00046	48.941	-.00159	.00145	.00052	.00003	1.0174	.00170	.00012	.00052	.00048	-.00388	48.587
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11373	.00188	-.02061	.00016	.00022	240.46	.00111	-.00005	-.00122	4.9789	-.00189	.00286	-.00881
Stddev	.00059	.00230	.00565	.00001	.00049	.02	.00036	.00027	.00070	.0076	.00097	.00625	.00341
%RSD	.51822	122.09	27.419	5.4281	216.53	.00972	31.961	515.89	57.400	.15295	51.470	218.86	38.698
#1	.11415	.00351	-.02460	.00016	.00057	240.48	.00086	-.00024	-.00073	4.9843	-.00120	-.00156	-.01122
#2	.11331	.00026	-.01661	.00017	-.00012	240.45	.00136	.00014	-.00172	4.9735	-.00257	.00728	-.00640
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01885	.00142	.00032	5.0210	.00715	.00094	10.310	-.00394	.00089	-.04234
Stddev	.00729	.00066	.00004	.0132	.00021	.00206	.103	.00019	.00003	.00231
%RSD	38.698	46.337	12.368	.26345	2.8843	219.03	1.0015	4.7011	3.8676	5.4563
#1	-.02401	.00096	.00029	5.0116	.00701	.00239	10.237	-.00407	.00091	-.04071
#2	-.01369	.00189	.00035	5.0303	.00730	-.00052	10.383	-.00381	.00086	-.04398
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3168.8	47648.	5214.9
Stddev	7.4	316.	.6
%RSD	.23471	.66250	.01163
#1	3174.0	47871.	5215.3
#2	3163.5	47424.	5214.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 19:47:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50235	.50021	.98914	.48293	.49343	.47028	-.00123	4.7805	.50256	.49828	.50123	.51118	2.4502
Stddev	.00245	.00041	.00364	.00156	.00003	.00104	.00001	.0041	.00011	.00000	.00011	.00202	.0129
%RSD	.48803	.08246	.36764	.32234	.00607	.22176	.77582	.08648	.02125	.00022	.02213	.39537	.52466
#1	.50409	.50051	.98657	.48183	.49341	.46955	-.00124	4.7776	.50249	.49828	.50115	.51261	2.4411
#2	.50062	.49992	.99171	.48403	.49345	.47102	-.00122	4.7834	.50264	.49827	.50131	.50975	2.4593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.382	.95690	19.521	.49811	.49888	4.9044	.49749	.94961	1.0291	.01073	.97099	1.0004	4.7149
Stddev	.050	.00137	.062	.00228	.00091	.0143	.00036	.00632	.0020	.00088	.00580	.0029	.0026
%RSD	.10329	.14276	.31995	.45860	.18288	.29193	.07281	.66546	.19318	8.2218	.59782	.29050	.05426
#1	48.347	.95787	19.566	.49972	.49952	4.8943	.49774	.95408	1.0305	.01135	.97510	1.0024	4.7167
#2	48.417	.95594	19.477	.49649	.49823	4.9146	.49723	.94514	1.0277	.01010	.96689	.99834	4.7130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.090	.99998	.48818	-.00020	.48991	1.0217	.01609	.50000	.50408	.49241
Stddev	.005	.00015	.00058	.00189	.00066	.0028	.00168	.00404	.00251	.00390
%RSD	.05426	.01455	.11809	945.33	.13481	.27199	10.414	.80767	.49823	.79228
#1	10.094	.99988	.48778	.00114	.49037	1.0197	.01728	.50285	.50586	.48965
#2	10.086	1.0001	.48859	-.00154	.48944	1.0237	.01491	.49714	.50230	.49517
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3215.6	49212.	5261.5
Stddev	5.6	102.	19.5
%RSD	.17490	.20744	.37106
#1	3219.6	49140.	5275.3
#2	3211.6	49284.	5247.7

Sample Name: CCB Acquired: 5/1/2012 19:49:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00021	-.00407	.00041	.00033	.00013	-.00319	.00071	.00005	-.00014	.00031	-.00046
Stddev	.00016	.00053	.00072	.00014	.00019	.00000	.00108	.00188	.00009	.00018	.00000	.00036
%RSD	106.55	254.94	17.744	35.082	56.350	.09685	33.872	265.63	193.13	124.65	.59276	78.116
#1	.00026	.00058	-.00356	.00031	.00046	.00013	-.00243	-.00062	.00011	-.00002	.00031	-.00021
#2	.00004	-.00017	-.00458	.00051	.00020	.00013	-.00396	.00204	-.00002	-.00027	.00031	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00212	.08462	.00111	.00676	.00012	.00095	W .12633	-.00040	.00114	-.00092	.00704	.00109
Stddev	.00017	.02614	.00025	.00021	.00004	.00012	.00554	.00026	.00091	.00159	.00044	.00055
%RSD	8.0088	30.891	22.648	3.0944	34.543	12.784	4.3823	66.607	79.837	173.16	6.1816	50.333
#1	.00200	.10310	.00093	.00661	.00009	.00086	.13025	-.00021	.00178	.00021	.00735	.00070
#2	.00224	.06614	.00129	.00691	.00014	.00103	.12242	-.00058	.00049	-.00204	.00673	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00672	-.01123	-.02404	.00086	.00014	.00152	-.00007	-.00047	.02202	-.00025	.00193	-.00185
Stddev	.00892	.00109	.00234	.00022	.00010	.00089	.00007	.00055	.01393	.00007	.00030	.00059
%RSD	132.72	9.7144	9.7144	25.439	71.869	58.516	98.215	116.27	63.257	28.059	15.449	31.914
#1	.00041	-.01200	-.02569	.00101	.00021	.00089	-.00011	-.00008	.03187	-.00030	.00214	-.00226
#2	.01303	-.01046	-.02239	.00070	.00007	.00214	-.00002	-.00086	.01217	-.00020	.00172	-.00143
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3233.0	49925.	5196.0
Stddev	5.6	473.	1.7
%RSD	.17263	.94683	.03196
#1	3229.0	49591.	5194.8
#2	3236.9	50260.	5197.2

Sample Name: CCVL1390952 Acquired: 5/1/2012 19:51:46 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01080	.10324	.01470	.09785	.01014	.00105	.11595	.19478	.00531	.01042	.01016	.01492	.09806
Stddev	.00008	.00044	.00093	.00005	.00007	.00003	.00068	.00216	.00015	.00000	.00012	.00043	.00196
%RSD	.72938	.42519	6.3595	.04745	.70768	3.0942	.58253	1.1102	2.7540	.03933	1.2009	2.8627	2.0017
#1	.01075	.10293	.01536	.09788	.01019	.00103	.11643	.19631	.00520	.01041	.01024	.01522	.09667
#2	.01086	.10355	.01404	.09782	.01009	.00107	.11548	.19325	.00541	.01042	.01007	.01462	.09945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9996	F .01432	.21055	.01052	.02008	1.1004	.04111	2.8299	.00835	.00000	F .00663	.01251	.45941
Stddev	.0199	.00135	.00227	.00007	.00012	.0139	.00056	.0146	.00063	.0032	.00122	.00469	.02483
%RSD	.66304	9.4179	1.0761	.62691	.60376	1.2629	1.3683	.51535	7.5612	193490.	18.438	37.467	5.4056
#1	2.9855	.01528	.20895	.01057	.02017	1.0905	.04071	2.8196	.00879	-.00224	.00576	.00920	.47697
#2	3.0136	.01337	.21215	.01048	.01999	1.1102	.04151	2.8402	.00790	.00223	.00749	.01583	.44185
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98313	.10315	.01003	.01623	.00989	.01668	.07747	.00956	.02234	.01482
Stddev	.05314	.00237	.00004	.00258	.00026	.00090	.00243	.00000	.00014	.00075
%RSD	5.4056	2.3001	.43132	15.877	2.6646	5.3770	3.1382	.04853	.63357	5.0401
#1	1.0207	.10147	.01006	.01441	.01008	.01732	.07919	.00956	.02224	.01535
#2	.94555	.10483	.01000	.01806	.00970	.01605	.07576	.00955	.02244	.01429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3319.7	50629.	5333.6
Stddev	1.0	98.	10.8
%RSD	.03124	.19382	.20336
#1	3319.0	50560.	5341.2
#2	3320.4	50699.	5325.9

Sample Name: 280-28166-A-4-B Acquired: 5/1/2012 19:54:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.06958	-.00520	.00663	.11620	.00015	-.00159	2.0247	.00029	.00088
Stddev	.00010	.00183	.00388	.00046	.00028	.00001	.00178	.0021	.00012	.00031
%RSD	23.613	2.6262	74.663	6.9948	.24449	5.3314	111.63	.10503	42.857	35.135
#1	.00036	.06828	-.00794	.00630	.11640	.00015	-.00285	2.0231	.00020	.00066
#2	.00051	.07087	-.00245	.00695	.11600	.00016	-.00034	2.0262	.00038	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00838	2.4391	.38115	.00054	.15738	.10686	-.00011	261.34	.00229
Stddev	.00003	.00002	.0059	.03318	.00051	.00137	.00002	.00007	1.19	.00007
%RSD	5.1540	.21511	.24140	8.7042	94.704	.87075	.02316	66.833	.45498	3.2135
#1	.00064	.00839	2.4433	.35769	.00090	.15835	.10685	-.00016	262.19	.00224
#2	.00069	.00837	2.4349	.40461	.00018	.15641	.10688	-.00006	260.50	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00157	-.00012	.15439	-.00106	.00507	.18270	.39098	.00125	.01902	.00096
Stddev	.00076	.00060	.00120	.00091	.00320	.00687	.01471	.00028	.00012	.00064
%RSD	48.573	498.95	.77785	85.428	63.014	3.7615	3.7615	22.012	.62902	66.764
#1	.00211	.00030	.15354	-.00170	.00281	.18756	.40137	.00106	.01911	.00142
#2	.00103	-.00054	.15524	-.00042	.00734	.17784	.38058	.00145	.01894	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.00093	-.00440	-.00032	.05567	.00002
Stddev	.00034	.00015	.00127	.00045	.00025	.00128
%RSD	343.00	15.631	28.919	143.32	.44745	7210.7
#1	-.00034	.00103	-.00350	-.00063	.05550	.00092
#2	.00014	.00083	-.00530	.00000	.05585	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3076.5	47010.	5272.2
Stddev	39.4	33.	26.0
%RSD	1.2816	.07105	.49236
#1	3104.4	47034.	5253.8
#2	3048.7	46987.	5290.5

Sample Name: 280-28175-D-1-C Acquired: 5/1/2012 19:56:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.01063	-.00315	.00895	.17440	.00005	-.00031	125.06	.00040	.00030
Stddev	.00025	.00082	.00349	.00043	.00157	.00002	.00003	.80	.00025	.00004
%RSD	16996.	7.6996	110.98	4.7588	.89994	46.001	9.9619	.64043	62.250	13.535
#1	.00018	.01006	-.00562	.00865	.17551	.00007	-.00033	125.62	.00057	.00027
#2	-.00018	.01121	-.00068	.00925	.17329	.00003	-.00029	124.49	.00022	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00143	.02667	.82322	.00119	1.0641	.13088	.00026	272.83	.00000
Stddev	.00000	.00001	.00045	.02702	.00289	.0048	.00032	.00022	1.76	.00053
%RSD	3.6046	.60848	1.6878	3.2822	242.93	.45053	.24831	86.732	.64474	15468.
#1	.00014	.00144	.02635	.84233	-.00085	1.0675	.13111	.00042	274.07	.00038
#2	.00013	.00143	.02698	.80412	.00323	1.0607	.13065	.00010	271.58	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00537	-.00008	.28603	-.00111	.00567	1.0366	2.2183	.00011	.08172	.00236
Stddev	.00191	.00013	.00693	.00165	.00130	.0036	.0076	.00094	.00070	.00115
%RSD	35.551	175.49	2.4227	148.80	22.938	.34316	.34316	832.43	.85161	48.750
#1	.00402	.00002	.29093	-.00228	.00659	1.0391	2.2237	-.00055	.08221	.00155
#2	.00672	-.00017	.28113	.00006	.00475	1.0341	2.2129	.00078	.08123	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00016	-.04394	.00069	.00468	-.00007
Stddev	.00000	.00014	.02399	.00006	.00057	.00089
%RSD	.47745	86.654	54.607	8.1103	12.230	1317.7
#1	.00040	-.00026	-.02697	.00073	.00509	.00056
#2	.00040	-.00006	-.06091	.00065	.00428	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3082.5	46577.	5275.1
Stddev	4.4	92.	36.7
%RSD	.14413	.19762	.69626
#1	3085.6	46512.	5249.2
#2	3079.3	46642.	5301.1

Sample Name: 280-28159-F-1-B Acquired: 5/1/2012 19:58:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.01150	-.00231	.07841	.05701	.00005	-.00419	29.992	.00051	.00046
Stddev	.00018	.00001	.00196	.00024	.00075	.00002	.00278	.328	.00027	.00023
%RSD	182.59	.07574	84.715	.29991	1.3103	39.874	66.174	1.0926	53.166	50.221
#1	-.00023	.01151	-.00369	.07825	.05649	.00007	-.00616	29.760	.00032	.00030
#2	.00003	.01150	-.00093	.07858	.05754	.00004	-.00223	30.224	.00070	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00986	.25091	3.5265	.00046	8.6449	.12880	.00092	248.38	.00631
Stddev	.00000	.00042	.00158	.0219	.00071	.0213	.00037	.00013	2.92	.00047
%RSD	.25395	4.2539	.62816	.61989	155.17	.24653	.28722	14.035	1.1764	7.5166
#1	.00030	.01016	.24979	3.5111	-.00004	8.6298	.12854	.00101	246.31	.00597
#2	.00030	.00956	.25202	3.5420	.00096	8.6600	.12906	.00083	250.44	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.081	.00192	7.8919	.00023	.00301	.42421	.90781	.00064	.06960	.00018
Stddev	.002	.00240	.0074	.00044	.00527	.00727	.01555	.00086	.00080	.00012
%RSD	.01247	125.08	.09427	188.03	175.18	1.7127	1.7127	134.86	1.1563	68.566
#1	13.080	.00361	7.8867	.00055	.00673	.42935	.91880	.00124	.06903	.00026
#2	13.083	.00022	7.8972	-.00008	-.00072	.41907	.89682	.00003	.07017	.00009
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00051	.02087	-.00047	.05005	-.00175
Stddev	.00024	.00072	.00498	.00077	.00072	.00232
%RSD	640.01	141.51	23.864	163.88	1.4409	132.53
#1	-.00021	.00000	.02439	.00008	.05056	-.00011
#2	.00013	.00102	.01734	-.00102	.04954	-.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3112.6	47351.	5285.7
Stddev	5.2	141.	34.5
%RSD	.16699	.29863	.65279
#1	3116.2	47451.	5310.1
#2	3108.9	47251.	5261.3

Sample Name: sd 280-28159-F-1-B@5 Acquired: 5/1/2012 20:01:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00219	-.00508	.01590	.01171	.00008	-.00040	6.0565	.00019	.00012
Stddev	.00034	.00024	.00245	.00040	.00026	.00004	.00266	.0291	.00023	.00018
%RSD	121.12	10.794	48.190	2.5395	2.2550	48.730	663.11	.48101	120.10	148.03
#1	.00053	.00236	-.00682	.01561	.01152	.00011	-.00229	6.0359	.00003	-.00001
#2	.00004	.00203	-.00335	.01618	.01189	.00005	.00148	6.0771	.00036	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00152	.05367	.74357	.00376	1.7733	.02574	.00002	50.341	.00094
Stddev	.00007	.00039	.00073	.00378	.00285	.0088	.00006	.00007	.762	.00017
%RSD	232.58	25.267	1.3628	.50864	75.713	.49829	.24019	329.28	1.5144	17.670
#1	-.00002	.00125	.05419	.74625	.00578	1.7671	.02570	-.00003	49.801	.00106
#2	.00008	.00180	.05315	.74090	.00175	1.7796	.02578	.00007	50.880	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.5521	.00001	1.5458	-.00207	.00440	.06704	.14348	.00092	.01379	-.00038
Stddev	.0039	.00062	.0075	.00192	.00439	.03010	.06440	.00082	.00017	.00161
%RSD	.15172	5486.9	.48230	92.619	99.837	44.888	44.888	88.866	1.1972	422.50
#1	2.5493	.00045	1.5406	-.00072	.00751	.08832	.18902	.00150	.01368	-.00152
#2	2.5548	-.00042	1.5511	-.00343	.00129	.04576	.09793	.00034	.01391	.00076
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	-.00077	.00756	-.00049	.01192	-.00045
Stddev	.00003	.00021	.02564	.00030	.00037	.00008
%RSD	14.765	26.706	339.12	61.940	3.1111	17.526
#1	-.00024	-.00092	.02569	-.00070	.01166	-.00039
#2	-.00019	-.00063	-.01057	-.00027	.01218	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3239.2	49657.	5278.6
Stddev	.7	169.	5.4
%RSD	.02080	.34083	.10151
#1	3239.7	49777.	5282.4
#2	3238.7	49538.	5274.8

Sample Name: 280-28159-F-1-C MS Acquired: 5/1/2012 20:03:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21257	.38344	.81728	.26502	2.4173	.00939	F .39759	40.044	.22397	.09494
Stddev	.00067	.00151	.00037	.00098	.0027	.00001	.00221	.079	.00002	.00055
%RSD	.31641	.39346	.04557	.36858	.11084	.09691	.55605	.19668	.01076	.57575
#1	.21210	.38451	.81702	.26433	2.4192	.00939	.39602	40.100	.22395	.09456
#2	.21305	.38238	.81754	.26571	2.4154	.00938	.39915	39.989	.22398	.09533
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0361	.47670	.39873	13.104	.18977	17.836	.22700	.19910	263.79	.10116
Stddev	.0001	.00080	.00057	.022	.00309	.020	.00047	.00030	.37	.00069
%RSD	.00638	.16835	.14252	.17142	1.6267	.10978	.20706	.15185	.14076	.67769
#1	1.0360	.47727	.39833	13.088	.18759	17.822	.22666	.19931	264.05	.10165
#2	1.0361	.47614	.39913	13.120	.19196	17.850	.22733	.19889	263.53	.10068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.200	1.0738	8.0455	.09204	.59795	2.3364	5.0000	.38093	.26371	.19436
Stddev	.008	.0015	.0465	.00121	.00372	.0071	.0151	.00072	.00019	.00008
%RSD	.05230	.14296	.57750	1.3149	.62249	.30202	.30202	.19013	.07155	.04271
#1	15.194	1.0727	8.0126	.09289	.59532	2.3414	5.0107	.38144	.26384	.19431
#2	15.205	1.0749	8.0783	.09118	.60059	2.3315	4.9893	.38042	.26358	.19442
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19796	.36619	.42815	.10113	.56092	.09089
Stddev	.00048	.00021	.00778	.00029	.00096	.00010
%RSD	.24410	.05698	1.8174	.28707	.17152	.11516
#1	.19762	.36604	.43365	.10133	.56024	.09096
#2	.19830	.36634	.42265	.10092	.56160	.09081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3108.2	47272.	5245.0
Stddev	5.2	40.	3.6
%RSD	.16654	.08413	.06815
#1	3104.5	47244.	5242.5
#2	3111.9	47300.	5247.6

Sample Name: 280-28159-F-1-D MSD Acquired: 5/1/2012 20:05:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21421	.39091	.82782	.27207	2.4379	.00945	F .40988	40.284	.22777	.09656
Stddev	.00047	.00087	.00232	.00095	.0112	.00011	.00214	.206	.00011	.00001
%RSD	.22071	.22319	.28039	.34804	.45909	1.1574	.52123	.51227	.04920	.00965
#1	.21454	.39030	.82618	.27140	2.4458	.00953	.40837	40.429	.22785	.09657
#2	.21387	.39153	.82946	.27274	2.4300	.00937	.41139	40.138	.22769	.09655
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0521	.48246	.40616	13.273	.19271	18.109	.23021	.20183	265.68	.10318
Stddev	.0045	.00013	.00265	.057	.00313	.020	.00006	.00149	1.38	.00012
%RSD	.42688	.02664	.65188	.43165	1.6234	.11078	.02402	.73840	.52021	.11846
#1	1.0490	.48255	.40429	13.314	.19492	18.124	.23017	.20077	266.66	.10326
#2	1.0553	.48237	.40803	13.233	.19050	18.095	.23025	.20288	264.70	.10309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.543	1.0880	8.1827	.09378	.60873	2.3447	5.0176	.39081	.26593	.19774
Stddev	.042	.0022	.0463	.00007	.00864	.0255	.0546	.00114	.00151	.00280
%RSD	.27080	.19797	.56545	.07532	1.4187	1.0892	1.0892	.29126	.56723	1.4185
#1	15.514	1.0864	8.1500	.09373	.60262	2.3627	5.0562	.39162	.26699	.19972
#2	15.573	1.0895	8.2154	.09383	.61484	2.3266	4.9789	.39001	.26486	.19576
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20045	.37260	.42542	.10191	.57185	.09167
Stddev	.00003	.00170	.01838	.00082	.00155	.00019
%RSD	.01622	.45666	4.3206	.80656	.27156	.21156
#1	.20047	.37140	.41242	.10249	.57295	.09153
#2	.20043	.37380	.43842	.10133	.57075	.09181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.6	47310.	5287.9
Stddev	6.6	6.	54.8
%RSD	.21187	.01363	1.0370
#1	3107.3	47305.	5249.1
#2	3098.0	47314.	5326.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 20:08:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00097	48.786	.00104	.00213	.00169	.00007	1.0180	.02482	.00018	.00031	.00034	-.00412	48.464
Stddev	.00088	.035	.00284	.00010	.00004	.00007	.0012	.00077	.00005	.00002	.00020	.00007	.072
%RSD	91.512	.07215	273.38	4.6811	2.5024	93.099	.12094	3.0840	27.167	7.4944	56.667	1.6098	.14958
#1	-.00034	48.811	-.00097	.00220	.00172	.00002	1.0171	.02428	.00015	.00032	.00048	-.00417	48.413
#2	-.00159	48.761	.00304	.00206	.00166	.00012	1.0188	.02536	.00022	.00029	.00021	-.00407	48.516
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14099	.00294	-.01575	.00017	.00066	240.80	.00079	.00489	.00029	4.9895	-.00271	.00295	.00949
Stddev	.00827	.00198	.00340	.00002	.00032	.49	.00025	.00389	.00039	.0042	.00114	.00194	.01195
%RSD	5.8663	67.162	21.553	11.670	48.058	.20251	31.076	79.557	136.50	.08414	41.965	65.767	125.91
#1	.14683	.00155	-.01335	.00019	.00089	240.45	.00062	.00764	.00001	4.9925	-.00191	.00432	.00104
#2	.13514	.00434	-.01815	.00016	.00044	241.14	.00097	.00214	.00056	4.9866	-.00351	.00158	.01794
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02031	.00229	.00040	4.9891	.00752	.00054	10.220	-.00390	.00171	-.04143
Stddev	.02558	.00112	.00010	.0035	.00043	.00189	.029	.00094	.00051	.00197
%RSD	125.91	48.773	24.592	.06991	5.7529	349.00	.28371	24.118	30.038	4.7603
#1	.00223	.00150	.00047	4.9916	.00783	.00188	10.240	-.00456	.00135	-.04282
#2	.03840	.00307	.00033	4.9866	.00722	-.00080	10.199	-.00323	.00207	-.04003
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3186.0	48271.	5243.7
Stddev	1.5	20.	21.3
%RSD	.04644	.04088	.40550
#1	3187.1	48285.	5228.7
#2	3185.0	48257.	5258.8

Sample Name: CCV-1390955 Acquired: 5/1/2012 20:10:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50391	.49867	.98863	.48332	.49307	.47261	.00018	4.8162	.50224	.49689	.49929	.51040	2.4607	48.280
Stddev	.00061	.00186	.00032	.00006	.00539	.00523	.00007	.0557	.00038	.00027	.00015	.00091	.0288	.529
%RSD	.12164	.37377	.03273	.01310	1.0932	1.1069	37.680	1.1568	.07661	.05369	.02985	.17924	1.1714	1.0966
#1	.50348	.49999	.98886	.48328	.49688	.47631	.00023	4.8556	.50251	.49670	.49940	.50975	2.4811	48.654
#2	.50435	.49735	.98840	.48337	.48926	.46891	.00013	4.7768	.50197	.49708	.49919	.51104	2.4403	47.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96295	19.594	.49870	.49705	5.0299	.49622	.94587	1.0256	.00590	.96647	.99733	4.7618	10.190	.99234
Stddev	.01086	.030	.00067	.00013	.0728	.00023	.00247	.0027	.00122	.00055	.00037	.0390	.084	.00230
%RSD	1.1273	.15283	.13391	.02637	1.4481	.04608	.26130	.26339	20.646	.05679	.03732	.81964	.81964	.23137
#1	.97062	19.615	.49917	.49714	5.0814	.49606	.94412	1.0276	.00677	.96685	.99759	4.7894	10.249	.99396
#2	.95527	19.573	.49822	.49695	4.9784	.49638	.94762	1.0237	.00504	.96608	.99706	4.7342	10.131	.99072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48770	.00307	.49470	1.0185	.00601	.50372	.50624	.49104
Stddev	.00636	.00006	.00081	.0031	.00049	.00136	.00159	.00528
%RSD	1.3037	1.8208	.16282	.29945	8.2361	.26920	.31446	1.0759
#1	.49219	.00311	.49413	1.0163	.00566	.50276	.50736	.49477
#2	.48320	.00303	.49527	1.0206	.00636	.50467	.50511	.48730
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3246.4	49301.	5295.1
Stddev	5.3	.	50.0
%RSD	.16445	.00043	.94365
#1	3242.7	49301.	5259.7
#2	3250.2	49301.	5330.4

Sample Name: CCB Acquired: 5/1/2012 20:12:44 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00029	-.00213	.00046	.00030	.00022	-.00275	.00401	.00003	.00003	.00002	-.00132
Stddev	.00011	.00048	.00163	.00039	.00018	.00004	.00219	.00576	.00006	.00001	.00021	.00011
%RSD	45.660	164.45	76.545	85.873	58.596	17.857	79.523	143.56	204.36	30.211	836.01	8.6201
#1	.00033	.00063	-.00098	.00074	.00018	.00025	-.00121	.00808	-.00001	.00003	-.00012	-.00140
#2	.00017	-.00005	-.00329	.00018	.00043	.00019	-.00430	-.00006	.00007	.00002	.00017	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00209	.09567	-.00037	.00608	.00017	.00119	W .13850	-.00027	.00230	-.00172	-.00149	-.00067
Stddev	.00007	.02909	.00082	.00114	.00006	.00039	.00739	.00018	.00511	.00049	.00350	.00251
%RSD	3.2132	30.412	220.54	18.750	37.956	32.693	5.3344	66.967	221.86	28.285	235.19	376.83
#1	.00213	.11624	.00021	.00688	.00022	.00091	.14372	-.00039	-.00131	-.00138	.00099	-.00244
#2	.00204	.07509	-.00095	.00527	.00013	.00146	.13328	-.00014	.00592	-.00207	-.00397	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00208	-.00575	-.01231	.00136	.00015	.00041	.00058	.00129	.01676	-.00024	.00245	-.00134
Stddev	.00039	.01309	.02801	.00045	.00007	.00149	.00043	.00145	.00776	.00014	.00033	.00121
%RSD	18.969	227.63	227.63	33.212	45.342	360.93	74.432	112.38	46.290	58.018	13.480	90.322
#1	-.00180	-.01501	-.03211	.00104	.00020	.00147	.00089	.00027	.01128	-.00014	.00222	-.00220
#2	-.00236	.00351	.00750	.00168	.00010	-.00064	.00028	.00232	.02225	-.00033	.00269	-.00049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3262.1	50678.	5197.2
Stddev	1.8	365.	43.3
%RSD	.05506	.72090	.83323
#1	3263.4	50936.	5166.6
#2	3260.9	50419.	5227.8

Sample Name: CCVL1390952 Acquired: 5/1/2012 20:15:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01077	.10325	.01256	.09780	.01024	.00102	.11307	.19542	.00525	.01034	.01222	.01502	.10953
Stddev	.00038	.00005	.00312	.00097	.00001	.00015	.00214	.00133	.00000	.00025	.00015	.00010	.00343
%RSD	3.5278	.05209	24.816	.98780	.10770	14.988	1.8912	.67816	.04045	2.3999	1.2086	.66868	3.1356
#1	.01104	.10329	.01035	.09711	.01024	.00091	.11155	.19448	.00525	.01017	.01212	.01509	.11195
#2	.01050	.10321	.01476	.09848	.01025	.00113	.11458	.19636	.00526	.01052	.01233	.01495	.10710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0394	F .01365	.20679	.01057	.02000	1.1278	.04157	2.8197	.00793	.00067	F .00663	.01331	.47981
Stddev	.0284	.00204	.00154	.00003	.00069	.0146	.00058	.0190	.00038	.00354	.00024	.00421	.00150
%RSD	.93450	14.914	.74526	.31826	3.4678	1.2950	1.4007	.67445	4.8034	526.95	3.6373	31.660	.31200
#1	3.0595	.01221	.20570	.01059	.01951	1.1382	.04116	2.8062	.00766	.00317	.00646	.01033	.47875
#2	3.0193	.01509	.20788	.01054	.02049	1.1175	.04198	2.8331	.00820	-.00183	.00680	.01629	.48086
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0268	.10274	.01007	.01484	.01002	.01605	F .09964	.00937	.02258	.01542
Stddev	.0032	.00160	.00003	.00067	.00023	.00061	.02054	.00018	.00045	.00033
%RSD	.31200	1.5614	.33422	4.5355	2.2838	3.8245	20.616	1.8886	1.9846	2.1688
#1	1.0245	.10388	.01005	.01531	.01018	.01649	.08511	.00950	.02290	.01565
#2	1.0290	.10161	.01010	.01436	.00986	.01562	.11417	.00925	.02227	.01518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3324.6	50955.	5285.1
Stddev	14.8	86.	13.1
%RSD	.44590	.16936	.24859
#1	3335.1	50894.	5275.8
#2	3314.1	51016.	5294.4

Sample Name: MB 280-117157/1-A Acquired: 5/1/2012 20:17:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.01038	-.00376	.00078	.00039	.00004	-.00130	.01138	.00030	-.00022
Stddev	.00008	.00073	.00018	.00081	.00014	.00001	.00227	.00002	.00009	.00020
%RSD	106.14	7.0095	4.8889	103.32	35.531	13.736	174.33	.14353	28.118	87.894
#1	-.00002	.01090	-.00389	.00135	.00030	.00004	-.00290	.01139	.00036	-.00036
#2	-.00013	.00987	-.00363	.00021	.00049	.00005	.00030	.01137	.00024	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00090	.01126	.04575	.00055	.00351	.00019	-.00021	.09255	-.00053
Stddev	.00005	.00011	.00048	.01839	.00055	.00094	.00005	.00000	.00910	.00022
%RSD	609.55	11.924	4.2501	40.209	100.90	26.781	24.849	2.1436	9.8268	42.016
#1	-.00004	-.00097	.01160	.03274	.00016	.00418	.00022	-.00021	.08612	-.00037
#2	.00003	-.00082	.01093	.05876	.00094	.00285	.00016	-.00021	.09898	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00268	-.00146	.00429	-.00231	-.00492	-.00083	-.00178	.00119	.00007	.00065
Stddev	.00185	.00003	.00200	.00065	.00361	.01363	.02917	.00133	.00006	.00080
%RSD	68.923	1.9792	46.722	27.991	73.483	1634.8	1634.8	112.05	81.194	124.09
#1	.00399	-.00148	.00287	-.00185	-.00236	.00880	.01884	.00025	.00011	.00122
#2	.00137	-.00144	.00570	-.00276	-.00747	-.01047	-.02241	.00213	.00003	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00017	.02202	-.00072	.00221	.00065
Stddev	.00022	.00002	.03225	.00012	.00055	.00010
%RSD	130.47	13.199	146.45	17.095	24.849	15.856
#1	.00033	.00019	-.00078	-.00063	.00182	.00058
#2	.00001	.00016	.04482	-.00081	.00260	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3259.3	50028.	5221.2
Stddev	6.6	65.	28.4
%RSD	.20198	.13025	.54329
#1	3254.7	49982.	5201.2
#2	3264.0	50074.	5241.3

Sample Name: LCS 280-117157/2-A Acquired: 5/1/2012 20:19:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05109	1.8984	1.0363	.95025	2.0023	.04861	2.1367	48.258	.10151	.49566
Stddev	.00002	.0067	.0001	.00292	.0139	.00029	.0025	.309	.00054	.00076
%RSD	.03708	.35461	.00883	.30748	.69320	.59676	.11904	.64057	.53410	.15406
#1	.05111	1.8936	1.0364	.94819	1.9925	.04841	2.1349	48.039	.10190	.49512
#2	.05108	1.9031	1.0363	.95232	2.0121	.04882	2.1385	48.477	.10113	.49620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20316	.25498	1.0047	49.249	.98716	48.499	.50192	.99841	51.308	.49485
Stddev	.00005	.00101	.0075	.358	.00810	.032	.00040	.00275	.569	.00041
%RSD	.02314	.39591	.74921	.72603	.82065	.06613	.08053	.27499	1.1089	.08313
#1	.20319	.25570	.99940	48.996	.98143	48.476	.50221	.99647	50.906	.49456
#2	.20313	.25427	1.0100	49.502	.99289	48.522	.50164	1.0004	51.711	.49515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8445	.50127	.02199	.47270	2.0283	9.5463	F 20.429	1.9626	1.0039	1.0256
Stddev	.0355	.00193	.00461	.00259	.0062	.0377	.081	.0059	.0073	.0023
%RSD	.36079	.38519	20.946	.54823	.30639	.39522	.39522	.30249	.72380	.22342
#1	9.8194	.49990	.01873	.47087	2.0239	9.5196	20.372	1.9584	.99877	1.0240
#2	9.8696	.50263	.02525	.47453	2.0327	9.5730	20.486	1.9668	1.0090	1.0273
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97882	1.9999	2.1610	.51501	.50884	.47933
Stddev	.00110	.0016	.0121	.00187	.00111	.00164
%RSD	.11207	.07983	.55958	.36268	.21870	.34115
#1	.97804	2.0010	2.1696	.51634	.50963	.47818
#2	.97960	1.9988	2.1525	.51369	.50805	.48049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3109.7	47968.	5219.8
Stddev	.2	222.	24.3
%RSD	.00668	.46266	.46479
#1	3109.5	48125.	5237.0
#2	3109.8	47812.	5202.7

Sample Name: 280-28137-H-1-D Acquired: 5/1/2012 20:22:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	.07301	-.00379	2.3170	.02172	.00014	-.00731	W 521.95	.00124	-.00040
Stddev	.00018	.00068	.00164	.0152	.00004	.00008	.00214	5.66	.00011	.00008
%RSD	57.661	.93361	43.403	.65695	.17968	56.320	29.319	1.0845	8.6659	19.180
#1	-.00018	.07253	-.00495	2.3063	.02169	.00019	-.00882	517.95	.00131	-.00045
#2	-.00043	.07349	-.00262	2.3278	.02175	.00008	-.00579	525.95	.00116	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18782	.00824	.44064	31.846	.20670	273.81	.00598	.03152	131.82	.31740
Stddev	.00034	.00030	.00200	.122	.00254	.31	.00006	.00042	.38	.00070
%RSD	.18111	3.6352	.45499	.38167	1.2288	.11210	.99268	1.3478	.28492	.22023
#1	.18806	.00845	.43923	31.932	.20849	274.03	.00602	.03122	132.08	.31691
#2	.18758	.00803	.44206	31.760	.20490	273.59	.00593	.03182	131.55	.31790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02384	.00031	F 821.20	.00069	.03004	6.3495	13.588	.00204	W 10.344	-.00254
Stddev	.00218	.00207	2.84	.00157	.00402	.0271	.058	.00161	.047	.00268
%RSD	9.1364	666.43	.34643	229.22	13.384	.42632	.42632	78.774	.45701	105.86
#1	.02230	-.00115	819.19	-.00043	.02719	6.3303	13.547	.00090	10.310	-.00064
#2	.02538	.00177	823.21	.00180	.03288	6.3686	13.629	.00317	10.377	-.00443
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00548	.00205	.05807	.00151	.07449	.00077
Stddev	.00165	.00263	.02182	.00035	.00063	.00163
%RSD	30.070	127.80	37.582	23.183	.84918	211.18
#1	.00432	.00391	.04264	.00126	.07494	-.00038
#2	.00665	.00020	.07350	.00175	.07405	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2844.1	44158.	5060.1
Stddev	18.1	66.	18.5
%RSD	.63578	.14968	.36603
#1	2856.9	44204.	5047.0
#2	2831.3	44111.	5073.2

Sample Name: sd 280-28137-H-1-D@5 Acquired: 5/1/2012 20:24:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.01445	-.00459	.47505	.00436	.00013	-.00314	107.05	.00068	-.00002
Stddev	.00038	.00029	.00032	.00385	.00002	.00005	.00003	.11	.00010	.00004
%RSD	657.22	1.9863	7.0345	.81125	.42736	36.658	1.0869	.09954	15.361	200.93
#1	.00032	.01465	-.00481	.47778	.00435	.00010	-.00311	106.97	.00061	-.00005
#2	-.00021	.01424	-.00436	.47233	.00437	.00017	-.00316	107.12	.00076	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03740	.00147	.09322	6.2454	.04134	54.617	.00140	.00558	26.286	.06498
Stddev	.00004	.00025	.00307	.0407	.00086	.101	.00005	.00006	.067	.00016
%RSD	.10246	17.167	3.2939	.65172	2.0846	.18501	3.5111	.99032	.25357	.25367
#1	.03743	.00165	.09104	6.2166	.04195	54.688	.00143	.00554	26.333	.06509
#2	.03737	.00129	.09539	6.2742	.04073	54.546	.00136	.00562	26.239	.06486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00303	-.00082	166.47	-.00158	.01127	1.2234	2.6182	-.00023	2.0676	-.00022
Stddev	.00146	.00039	.49	.00096	.00493	.0287	.0614	.00069	.0041	.00060
%RSD	48.290	47.561	.29725	61.159	43.780	2.3445	2.3445	295.48	.19758	274.15
#1	.00199	-.00110	166.82	-.00089	.00778	1.2032	2.5748	-.00072	2.0647	.00021
#2	.00406	-.00055	166.12	-.00226	.01476	1.2437	2.6616	.00025	2.0705	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	-.00017	.02061	.00041	.01811	-.00103
Stddev	.00020	.00275	.01134	.00011	.00062	.00311
%RSD	18.484	1577.4	55.014	26.717	3.4281	301.50
#1	.00120	.00177	.02863	.00048	.01855	-.00323
#2	.00093	-.00212	.01260	.00033	.01767	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3122.9	48266.	5190.1
Stddev	5.8	8.	3.2
%RSD	.18423	.01612	.06222
#1	3118.8	48271.	5192.4
#2	3126.9	48260.	5187.9

Sample Name: 280-28137-H-1-E MS Acquired: 5/1/2012 20:27:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05397	1.9406	1.0906	3.2583	2.0717	.04823	F 2.1822	W 551.86	.10717	.48509
Stddev	.00059	.0045	.0001	.0015	.0130	.00018	.0023	.97	.00025	.00031
%RSD	1.0969	.23303	.00686	.04669	.62523	.37296	.10350	.17654	.22995	.06409
#1	.05439	1.9374	1.0906	3.2594	2.0625	.04810	2.1806	552.55	.10734	.48531
#2	.05356	1.9438	1.0907	3.2573	2.0808	.04835	2.1838	551.17	.10699	.48487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39290	.27196	1.4519	83.054	1.2398	316.65	.51155	1.0581	181.78	.79229
Stddev	.00042	.00159	.0094	.507	.0057	.70	.00362	.0008	1.50	.00172
%RSD	.10733	.58324	.64514	.61017	.45808	.22178	.70790	.07736	.82320	.21703
#1	.39261	.27308	1.4452	82.696	1.2357	316.15	.51411	1.0586	180.72	.79351
#2	.39320	.27083	1.4585	83.413	1.2438	317.14	.50899	1.0575	182.83	.79108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.697	.47874	F 816.60	.50765	2.2034	16.378	35.049	1.9325	W 11.007	1.0403
Stddev	.038	.00044	.89	.00048	.0022	.140	.300	.0037	.206	.0123
%RSD	.35545	.09290	.10846	.09396	.09899	.85576	.85576	.19178	1.8713	1.1822
#1	10.724	.47842	817.22	.50731	2.2049	16.279	34.837	1.9351	10.861	1.0490
#2	10.670	.47905	815.97	.50799	2.2018	16.477	35.261	1.9299	11.152	1.0316
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0146	1.8204	2.1919	.52549	.56316	.49343
Stddev	.0068	.0012	.0073	.00358	.00230	.00699
%RSD	.67421	.06526	.33217	.68197	.40879	1.4176
#1	1.0194	1.8196	2.1970	.52802	.56479	.48848
#2	1.0097	1.8212	2.1867	.52296	.56154	.49837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2825.0	43934.	5127.2
Stddev	1.4	434.	30.0
%RSD	.04942	.98874	.58506
#1	2824.0	43627.	5148.4
#2	2826.0	44241.	5105.9

Sample Name: 280-28137-H-1-F MSD Acquired: 5/1/2012 20:29:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05414	1.9225	1.0890	3.2496	2.0623	.04777	F 2.1710	W 556.43	.10613	.48238
Stddev	.00005	.0024	.0011	.0134	.0058	.00025	.0081	5.01	.00029	.00089
%RSD	.08560	.12541	.09835	.41121	.28045	.53176	.37496	.89996	.27324	.18522
#1	.05410	1.9242	1.0897	3.2402	2.0664	.04795	2.1652	552.88	.10592	.48175
#2	.05417	1.9208	1.0882	3.2591	2.0582	.04760	2.1767	559.97	.10633	.48301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39089	.27220	1.4476	83.235	1.2318	317.06	.51177	1.0598	182.42	.79055
Stddev	.00060	.00158	.0018	.317	.0067	.33	.00253	.0019	.55	.00276
%RSD	.15345	.58088	.12195	.38088	.54372	.10507	.49434	.18438	.30090	.34973
#1	.39046	.27108	1.4464	83.459	1.2366	316.83	.50998	1.0585	182.81	.78859
#2	.39131	.27332	1.4489	83.010	1.2271	317.30	.51356	1.0612	182.03	.79250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.623	.47615	F 815.69	.50756	2.1981	16.440	35.181	1.9416	W 11.165	1.0400
Stddev	.004	.00366	.77	.00068	.0030	.076	.163	.0028	.221	.0067
%RSD	.03444	.76919	.09463	.13391	.13593	.46455	.46455	.14615	1.9808	.64564
#1	10.620	.47874	815.14	.50708	2.1960	16.494	35.296	1.9396	11.321	1.0353
#2	10.625	.47356	816.23	.50804	2.2002	16.386	35.065	1.9436	11.009	1.0447
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0178	1.8097	2.2386	.52604	.56143	.49202
Stddev	.0029	.0032	.0141	.00140	.00297	.00070
%RSD	.28424	.17454	.62816	.26585	.52965	.14131
#1	1.0157	1.8119	2.2486	.52506	.55933	.49152
#2	1.0198	1.8074	2.2287	.52703	.56354	.49251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2825.5	43694.	5093.1
Stddev	4.3	6.	38.1
%RSD	.15389	.01340	.74851
#1	2828.6	43698.	5066.2
#2	2822.4	43689.	5120.1

Sample Name: 280-28137-H-3-B Acquired: 5/1/2012 20:32:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.02070	.06787	W 29.560	.02406	.00012	-.00559	W 545.72	.00119	-.00069
Stddev	.00090	.00043	.00222	.040	.00027	.00003	.00257	4.74	.00058	.00008
%RSD	1633.6	2.0966	3.2716	.13689	1.1231	24.036	45.941	.86871	49.065	11.645
#1	.00069	.02101	.06944	29.588	.02425	.00014	-.00740	549.07	.00078	-.00074
#2	-.00058	.02039	.06630	29.531	.02387	.00010	-.00377	542.37	.00160	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00114	.00221	1.5196	80.540	W 6.1154	273.13	.38125	.05216	W 3636.7	-.00043
Stddev	.00028	.00056	.0039	.284	.0486	.25	.00160	.00046	20.6	.00004
%RSD	24.568	25.339	.25433	.35276	.79403	.09137	.41974	.88387	.56700	9.4875
#1	.00094	.00181	1.5223	80.741	6.1498	272.95	.38012	.05183	3651.3	-.00046
#2	.00134	.00261	1.5169	80.339	6.0811	273.31	.38238	.05248	3622.1	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06784	-.00040	F 1498.7	.00174	.01197	10.086	21.584	.00219	W 11.638	.00015
Stddev	.00447	.00122	1.6	.00386	.00402	.053	.113	.00054	.161	.00105
%RSD	6.5927	302.10	.10404	221.84	33.555	.52561	.52561	24.787	1.3820	692.05
#1	.07101	.00046	1499.9	.00447	.00913	10.124	21.665	.00181	11.752	.00089
#2	.06468	-.00127	1497.6	-.00099	.01481	10.049	21.504	.00258	11.525	-.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00200	.00222	-.00429	.00094	.07342	.00033
Stddev	.00010	.00006	.02316	.00029	.00124	.00059
%RSD	4.9431	2.9158	539.95	30.956	1.6894	176.84
#1	.00207	.00227	.01209	.00115	.07255	.00075
#2	.00193	.00217	-.02067	.00073	.07430	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2559.2	38516.	5009.2
Stddev	6.0	221.	29.2
%RSD	.23361	.57348	.58238
#1	2555.0	38672.	4988.6
#2	2563.4	38360.	5029.8

Sample Name: 280-28137-H-5-B Acquired: 5/1/2012 20:34:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.02060	.00287	W 13.047	.01656	.00004	-.00592	W 586.19	.00133	-.00062
Stddev	.00053	.00100	.00459	.027	.00036	.00008	.00685	5.65	.00009	.00004
%RSD	995.24	4.8661	159.98	.20929	2.2007	199.76	115.67	.96405	6.5563	6.5622
#1	-.00032	.02131	-.00038	13.066	.01682	-.00002	-.01076	590.18	.00140	-.00065
#2	.00043	.01989	.00612	13.028	.01630	.00010	-.00108	582.19	.00127	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00081	.00388	.13606	38.077	1.7298	253.92	.08459	.49504	W 799.25	-.00061
Stddev	.00003	.00028	.00096	.007	.0102	.54	.00046	.00004	1.32	.00003
%RSD	3.1758	7.3063	.70315	.01728	.59049	.21221	.54669	.00747	.16508	5.2375
#1	.00079	.00408	.13538	38.082	1.7225	254.30	.08492	.49501	798.32	-.00063
#2	.00083	.00368	.13673	38.073	1.7370	253.54	.08426	.49506	800.18	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02289	-.00133	F 849.52	.00337	.00682	7.8925	16.890	-.00107	W 13.238	-.00117
Stddev	.00233	.00068	.10	.00303	.00011	.0007	.002	.00115	.215	.00244
%RSD	10.183	50.928	.01183	89.946	1.6672	.00930	.00930	107.34	1.6240	207.98
#1	.02454	-.00181	849.59	.00123	.00674	7.8930	16.891	-.00026	13.390	-.00290
#2	.02125	-.00085	849.45	.00551	.00690	7.8920	16.889	-.00188	13.086	.00055
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00113	-.00645	.00074	.17259	-.00069
Stddev	.00022	.00063	.00196	.00067	.00129	.00114
%RSD	29.503	55.491	30.406	90.852	.74901	164.36
#1	.00090	.00158	-.00784	.00121	.17351	.00011
#2	.00059	.00069	-.00506	.00026	.17168	-.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2759.5	42521.	5141.8
Stddev	.6	188.	26.0
%RSD	.02284	.44273	.50485
#1	2760.0	42388.	5123.4
#2	2759.1	42654.	5160.1

Sample Name: 280-28137-H-5-B@5 Acquired: 5/1/2012 20:37:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00426	.00232	2.7572	.00357	.00007	-.00497	122.32	.00060	-.00032
Stddev	.00019	.00043	.00146	.0026	.00011	.00015	.00341	.17	.00000	.00025
%RSD	45.940	10.045	63.074	.09426	3.0521	227.71	68.480	.13540	.44649	77.040
#1	.00054	.00396	.00129	2.7590	.00349	-.00004	-.00257	122.44	.00060	-.00015
#2	.00027	.00456	.00336	2.7553	.00364	.00017	-.00738	122.20	.00060	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00068	.02955	7.4847	.33508	51.149	.01710	.09947	157.11	-.00045
Stddev	.00008	.00006	.00005	.0677	.00036	.015	.00006	.00025	.35	.00005
%RSD	16.052	8.5182	.16299	.90472	.10885	.02973	.33219	.25239	.22357	10.487
#1	.00053	.00072	.02959	7.4368	.33482	51.138	.01714	.09930	156.87	-.00042
#2	.00042	.00063	.02952	7.5325	.33534	51.160	.01706	.09965	157.36	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00447	.00007	173.24	-.00065	-.00091	1.5280	3.2699	.00019	2.6782	-.00068
Stddev	.00208	.00089	.02	.00273	.00455	.0198	.0424	.00182	.0029	.00017
%RSD	46.573	1301.4	.01284	418.79	498.01	1.2980	1.2980	961.16	.10736	24.445
#1	.00595	.00070	173.23	.00128	-.00413	1.5420	3.2999	-.00110	2.6762	-.00080
#2	.00300	-.00056	173.26	-.00259	.00231	1.5140	3.2399	.00148	2.6802	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00179	.00983	.00029	.03788	.00120
Stddev	.00011	.00098	.00532	.00003	.00063	.00019
%RSD	62.365	54.699	54.072	9.7391	1.6709	15.878
#1	.00025	.00249	.00607	.00030	.03833	.00106
#2	.00010	.00110	.01359	.00027	.03743	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3072.4	47230.	5271.5
Stddev	4.6	35.	3.9
%RSD	.14994	.07468	.07461
#1	3075.7	47205.	5268.7
#2	3069.1	47255.	5274.3

Sample Name: CCVH-1390999 Acquired: 5/1/2012 20:39:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00157	49.506	-.00118	.02805	.00038	.00003	1.0293	.01152	.00008	.00028	.00045	-.00495	49.163
Stddev	.00028	.204	.00080	.00109	.00034	.00008	.0060	.00081	.00001	.00028	.00017	.00028	.080
%RSD	17.653	.41274	67.619	3.8952	89.514	225.98	.58753	7.0598	13.240	99.174	37.176	5.7518	.16257
#1	-.00177	49.361	-.00175	.02883	.00014	.00009	1.0251	.01095	.00008	.00008	.00057	-.00475	49.106
#2	-.00138	49.650	-.00062	.02728	.00062	-.00002	1.0336	.01210	.00009	.00047	.00033	-.00515	49.219
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14529	.00270	-.02258	.00012	.00097	244.20	.00131	.00123	-.00050	5.1041	-.00317	.00725	-.00587
Stddev	.03149	.00097	.00347	.00002	.00001	.89	.00007	.00081	.00284	.0036	.00251	.00296	.00626
%RSD	21.671	36.019	15.388	16.347	.53001	.36592	5.5064	65.664	571.04	.07139	79.188	40.808	106.51
#1	.12303	.00201	-.02504	.00014	.00097	243.57	.00136	.00181	.00151	5.1015	-.00495	.00935	-.01030
#2	.16755	.00339	-.02012	.00011	.00097	244.83	.00126	.00066	-.00251	5.1066	-.00140	.00516	-.00145
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01257	.00127	.00057	5.0590	.00797	.00147	10.398	-.00471	.00135	-.04322
Stddev	.01339	.00059	.00007	.0073	.00006	.00225	.040	.00005	.00015	.00045
%RSD	106.51	46.453	12.449	.14325	.78875	153.10	.38726	1.0344	11.027	1.0305
#1	-.02203	.00168	.00062	5.0539	.00792	.00306	10.369	-.00475	.00125	-.04353
#2	-.00310	.00085	.00052	5.0641	.00801	-.00012	10.426	-.00468	.00146	-.04290
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3174.4	48402.	5279.0
Stddev	4.5	19.	17.2
%RSD	.14242	.03928	.32494
#1	3171.2	48388.	5291.1
#2	3177.6	48415.	5266.8

Sample Name: CCV-1390955 Acquired: 5/1/2012 20:42:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49814	.49254	.99701	.50319	.49430	.47040	-.00227	4.7987	.50434	.49834	.50282	.50522	2.4329
Stddev	.00055	.00019	.00131	.00075	.00029	.00093	.00137	.0032	.00066	.00053	.00145	.00077	.0059
%RSD	.11075	.03809	.13133	.14936	.05778	.19754	60.245	.06589	.13093	.10708	.28781	.15285	.24352
#1	.49853	.49241	.99608	.50372	.49450	.46974	-.00324	4.8009	.50387	.49796	.50384	.50468	2.4370
#2	.49775	.49267	.99793	.50265	.49410	.47105	-.00130	4.7964	.50480	.49871	.50180	.50577	2.4287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.128	.96841	19.259	.49379	.49979	4.9763	.49780	.94924	1.0283	.04672	.97114	1.0026	4.7653
Stddev	.115	.00033	.073	.00042	.00029	.0037	.00051	.00300	.0038	.00228	.00109	.0044	.0401
%RSD	.23962	.03454	.37994	.08591	.05718	.07506	.10317	.31606	.36715	4.8721	.11233	.44012	.84263
#1	48.047	.96865	19.311	.49409	.49959	4.9737	.49816	.94712	1.0256	.04511	.97037	.99950	4.7369
#2	48.210	.96818	19.207	.49349	.50000	4.9790	.49744	.95136	1.0309	.04833	.97191	1.0057	4.7937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.198	.99966	.48648	-.00024	.48996	1.0190	.01536	.50248	.50673	.48973
Stddev	.086	.00273	.00054	.00196	.00137	.0046	.02796	.00146	.00248	.00093
%RSD	.84263	.27335	.11012	815.08	.28026	.44948	182.04	.29015	.48896	.18966
#1	10.137	.99773	.48610	-.00163	.49093	1.0222	.03513	.50352	.50848	.49039
#2	10.258	1.0016	.48686	.00115	.48899	1.0157	-.00441	.50145	.50498	.48907
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3210.5	49176.	5308.7
Stddev	9.9	287.	39.0
%RSD	.30936	.58393	.73388
#1	3217.6	48973.	5336.3
#2	3203.5	49379.	5281.2

Sample Name: CCB Acquired: 5/1/2012 20:44:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00028	-.00193	F .01483	.00021	.00005	-.00229	-.00196	.00010	-.00028	-.00001
Stddev	.00011	.00021	.00543	.00074	.00031	.00004	.00077	.00175	.00018	.00004	.00027
%RSD	178.39	74.665	280.79	5.0040	148.69	92.199	33.679	89.069	177.85	12.553	2088.8
#1	-.00002	-.00042	.00191	.01536	.00042	.00002	-.00174	-.00320	.00023	-.00026	.00018
#2	.00015	-.00013	-.00578	.01431	-.00001	.00008	-.00283	-.00073	-.00003	-.00031	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00149	-.00217	.05288	.00150	.00102	.00002	.00099	F .18420	-.00053	.00132	-.00064
Stddev	.00024	.00187	.00453	.00012	.00019	.00002	.00037	.00336	.00003	.00147	.00030
%RSD	16.252	85.973	8.5673	7.9483	18.364	93.002	37.479	1.8231	6.0660	111.37	46.714
#1	-.00132	-.00085	.04968	.00141	.00089	.00004	.00073	.18183	-.00055	.00028	-.00043
#2	-.00167	-.00349	.05609	.00158	.00115	.00001	.00125	.18658	-.00051	.00236	-.00085
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04651	.00192	.00190	-.01397	-.02991	.00135	.00005	.00182	.00019	.00095	.02834
Stddev	.00464	.00048	.00276	.00536	.01147	.00039	.00001	.00053	.00016	.00004	.00248
%RSD	9.9818	25.279	145.40	38.342	38.342	29.143	12.379	29.223	82.701	4.5480	8.7475
#1	.04979	.00226	-.00005	-.01776	-.03801	.00107	.00006	.00144	.00030	.00092	.02659
#2	.04323	.00157	.00385	-.01019	-.02180	.00163	.00005	.00219	.00008	.00098	.03009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00055	.00145	-.00104
Stddev	.00054	.00078	.00055
%RSD	97.495	53.887	53.006
#1	-.00017	.00200	-.00143
#2	-.00093	.00090	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3236.5	50016.	5210.5
Stddev	3.3	220.	27.5
%RSD	.10090	.43987	.52720
#1	3238.8	49860.	5191.1
#2	3234.2	50171.	5229.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 20:46:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01053	.10325	.01220	.11001	.01026	.00098	.11434	.19721	.00520	.01041	.01016	.01489	.09792	3.0370
Stddev	.00035	.00074	.00292	.00015	.00025	.00007	.00407	.00203	.00019	.00001	.00030	.00019	.00262	.0559
%RSD	3.3379	.72044	23.975	.13238	2.4430	7.4707	3.5566	1.0299	3.6187	.11983	2.9507	1.2675	2.6782	1.8396
#1	.01078	.10272	.01427	.10991	.01044	.00093	.11146	.19577	.00507	.01042	.01037	.01503	.09977	2.9975
#2	.01028	.10377	.01013	.11011	.01008	.00103	.11721	.19864	.00534	.01040	.00994	.01476	.09607	3.0765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00846	.20695	.01042	.02002	1.1605	.04104	2.8089	.01016	.03252	.00783	.01252	.47020	1.0062	.10372
Stddev	.00098	.00648	.00005	.00013	.0029	.00015	.0155	.00158	.00623	.00245	.00310	.00836	.0179	.00102
%RSD	11.604	3.1292	.46660	.65859	.25212	.37183	.55337	15.581	19.164	31.282	24.763	1.7779	1.7779	.98511
#1	.00777	.21153	.01039	.02012	1.1626	.04115	2.8199	.00904	.03693	.00610	.01032	.46429	.99358	.10444
#2	.00916	.20237	.01045	.01993	1.1585	.04093	2.7979	.01128	.02811	.00956	.01471	.47611	1.0189	.10299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00995	.01521	.00998	.01687	.07574	.00986	.02210	.01387
Stddev	.00003	.00204	.00009	.00093	.03242	.00015	.00060	.00060
%RSD	.28603	13.384	.91610	5.4936	42.806	1.5405	2.7338	4.3483
#1	.00997	.01377	.01005	.01621	.09867	.00976	.02167	.01344
#2	.00993	.01665	.00992	.01752	.05282	.00997	.02253	.01430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3314.7	50928.	5327.0
Stddev	3.5	2.	23.1
%RSD	.10512	.00312	.43443
#1	3312.2	50927.	5310.6
#2	3317.1	50929.	5343.4

Sample Name: 280-28137-H-7-B Acquired: 5/1/2012 20:49:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.01794	.01587	7.3612	.02523	.00009	-.00385	W 502.85	.00145	-.00060
Stddev	.00083	.00057	.00097	.0032	.00003	.00007	.00045	1.39	.00000	.00028
%RSD	294.03	3.1569	6.0885	.04406	.10859	82.612	11.697	.27605	.26993	46.066
#1	.00087	.01834	.01656	7.3635	.02521	.00014	-.00417	503.83	.00146	-.00040
#2	-.00030	.01754	.01519	7.3589	.02525	.00004	-.00353	501.87	.00145	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.00119	.18949	33.043	1.4129	220.67	.08152	.11138	W 641.73	-.00051
Stddev	.00020	.00034	.00142	.092	.0009	.33	.00030	.00051	2.00	.00031
%RSD	28.100	28.227	.75020	.27947	.06549	.15030	.37020	.46001	.31191	59.918
#1	.00086	.00143	.19050	33.108	1.4123	220.90	.08173	.11174	643.14	-.00029
#2	.00058	.00095	.18849	32.978	1.4136	220.43	.08130	.11102	640.31	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01855	-.00205	F 895.95	-.00304	.01596	7.4974	16.044	.00127	W 10.779	.00042
Stddev	.00391	.00127	1.09	.00120	.00483	.0251	.054	.00232	.088	.00030
%RSD	21.080	62.243	.12161	39.543	30.277	.33434	.33434	183.44	.81310	70.660
#1	.02131	-.00115	896.72	-.00389	.01254	7.5151	16.082	-.00038	10.841	.00063
#2	.01578	-.00295	895.18	-.00219	.01938	7.4797	16.006	.00291	10.717	.00021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	.00075	.00706	.00129	.00748	.00031
Stddev	.00025	.00022	.00127	.00026	.00020	.00024
%RSD	29.558	28.973	18.038	20.107	2.6465	75.169
#1	.00102	.00059	.00796	.00147	.00734	.00015
#2	.00067	.00090	.00616	.00111	.00762	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2809.9	42993.	5112.6
Stddev	5.8	115.	8.1
%RSD	.20740	.26652	.15862
#1	2805.8	42912.	5106.9
#2	2814.0	43074.	5118.3

Sample Name: 280-28137-H-9-B Acquired: 5/1/2012 20:51:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.04263	-.00514	1.5022	.02481	.00010	-.00780	W 521.92	.00131	-.00029
Stddev	.00018	.00022	.00749	.0042	.00069	.00003	.00041	8.08	.00016	.00009
%RSD	64.798	.51008	145.71	.28248	2.7943	35.113	5.2264	1.5488	12.283	31.721
#1	.00040	.04279	-.01043	1.5052	.02531	.00012	-.00809	516.21	.00120	-.00022
#2	.00015	.04248	.00016	1.4992	.02432	.00007	-.00751	527.64	.00142	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00102	.00065	.04784	52.127	.26192	288.93	.03354	.00719	51.115	.00168
Stddev	.00001	.00086	.00323	.308	.00334	.31	.00008	.00008	.608	.00006
%RSD	.99541	131.03	6.7540	.59153	1.2749	.10664	.24042	1.0612	1.1892	3.4470
#1	.00101	.00126	.05013	52.345	.26428	289.15	.03360	.00725	51.545	.00172
#2	.00102	.00005	.04556	51.908	.25956	288.71	.03348	.00714	50.685	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02054	.00098	F 767.84	-.00202	.00890	11.993	25.665	-.00007	W 10.871	-.00010
Stddev	.00008	.00114	1.98	.00110	.00321	.104	.222	.00186	.019	.00100
%RSD	.40909	116.73	.25813	54.411	36.004	.86532	.86532	2688.8	.17032	1004.4
#1	.02048	.00017	769.25	-.00124	.00664	12.066	25.822	-.00138	10.884	-.00080
#2	.02060	.00179	766.44	-.00279	.01117	11.920	25.508	.00125	10.858	.00060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00113	.00172	.05875	.00080	.12592	-.00110
Stddev	.00005	.00178	.01273	.00037	.00086	.00299
%RSD	3.9786	103.75	21.666	46.464	.68655	270.35
#1	.00110	.00046	.06775	.00107	.12653	.00101
#2	.00116	.00298	.04975	.00054	.12530	-.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2891.4	45183.	5255.3
Stddev	8.8	198.	9.1
%RSD	.30407	.43714	.17372
#1	2885.1	45044.	5248.8
#2	2897.6	45323.	5261.7

Sample Name: 280-28137-H-9-B@5 Acquired: 5/1/2012 20:54:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00889	-.00397	.32020	.00508	.00005	-.00385	110.18	.00074	-.00010
Stddev	.00046	.00086	.00007	.00178	.00036	.00006	.00066	.36	.00010	.00027
%RSD	443.26	9.6569	1.7889	.55639	6.9942	105.11	17.127	.32433	12.960	275.83
#1	.00043	.00950	-.00402	.31894	.00483	.00009	-.00432	109.93	.00081	-.00029
#2	-.00022	.00829	-.00392	.32146	.00533	.00001	-.00338	110.43	.00067	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00041	.01598	10.304	.05301	58.807	.00697	.00132	9.7417	W 10.559
Stddev	.00003	.00012	.00269	.040	.00065	.174	.00004	.00008	.0489	.311
%RSD	16.909	27.829	16.808	.38444	1.2312	.29520	.62366	6.2279	.50194	2.9445
#1	.00017	-.00050	.01788	10.276	.05255	58.684	.00700	.00138	9.7071	10.339
#2	.00021	-.00033	.01408	10.332	.05347	58.929	.00694	.00126	9.7763	10.779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00038	.00219	.00111	157.67	-.00293	.00163	2.3667	5.0648	-.00192	2.2000
Stddev	.00021	.00060	.00032	.16	.00030	.00027	.0282	.0603	.00020	.0032
%RSD	56.758	27.415	29.332	.09973	10.239	16.523	1.1910	1.1910	10.172	.14620
#1	-.00053	.00176	.00088	157.78	-.00272	.00144	2.3468	5.0222	-.00206	2.1977
#2	-.00023	.00261	.00134	157.55	-.00314	.00182	2.3867	5.1075	-.00178	2.2023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00127	.00043	.00149	.04119	.00027	.02800	.00110
Stddev	.00068	.00011	.00085	.00520	.00005	.00046	.00015
%RSD	53.696	25.205	57.118	12.629	19.175	1.6587	13.829
#1	-.00175	.00051	.00209	.03751	.00030	.02767	.00121
#2	-.00079	.00036	.00089	.04486	.00023	.02833	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3156.0	49023.	5372.2
Stddev	6.8	4.	.9
%RSD	.21667	.00747	.01757
#1	3160.9	49026.	5372.9
#2	3151.2	49020.	5371.5

Sample Name: 280-28137-H-11-B Acquired: 5/1/2012 20:56:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00323	.08391	W 32.590	.02881	.00016	-.00201	W 604.00	.00142	-.00054
Stddev	.00022	.00028	.00185	.057	.00003	.00002	.00146	4.71	.00013	.00003
%RSD	798.56	8.5930	2.2054	.17378	.10337	12.220	72.787	.77948	9.3325	5.9660
#1	-.00013	.00303	.08261	32.550	.02879	.00014	-.00305	600.68	.00152	-.00056
#2	.00019	.00342	.08522	32.630	.02883	.00017	-.00098	607.33	.00133	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00102	.00068	.86827	57.052	W 5.2234	231.38	.63818	.02408	W 2590.9	-.00136
Stddev	.00005	.00013	.00831	.305	.0056	.89	.00056	.00007	4.3	.00031
%RSD	5.2428	19.312	.95672	.53475	.10769	.38437	.08773	.27830	.16651	22.498
#1	.00106	.00058	.86239	56.836	5.2194	230.75	.63778	.02412	2587.8	-.00158
#2	.00098	.00077	.87414	57.268	5.2274	232.00	.63857	.02403	2593.9	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07574	-.00066	F 1195.5	-.00111	.00364	9.3458	20.000	-.00017	W 12.463	-.00218
Stddev	.00617	.00061	.9	.00015	.00022	.0538	.115	.00206	.146	.00024
%RSD	8.1497	91.797	.07608	13.290	6.0009	.57519	.57519	1201.2	1.1697	11.111
#1	.07137	-.00109	1194.8	-.00121	.00348	9.3838	20.081	.00129	12.566	-.00201
#2	.08010	-.00023	1196.1	-.00100	.00379	9.3078	19.919	-.00163	12.360	-.00235
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00119	.00295	.00047	.00265	-.00069
Stddev	.00015	.00028	.02015	.00108	.00046	.00099
%RSD	41.381	23.458	682.69	228.79	17.403	143.63
#1	.00026	.00099	.01720	.00123	.00297	.00001
#2	.00047	.00139	-.01130	-.00029	.00232	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2631.7	39834.	5076.1
Stddev	.9	53.	14.2
%RSD	.03527	.13314	.27985
#1	2631.1	39871.	5086.1
#2	2632.4	39796.	5066.0

Sample Name: 280-28137-H-12-B Acquired: 5/1/2012 20:59:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00499	.08169	W 11.332	.01195	.00004	-.00385	486.76	.00117	-.00039
Stddev	.00065	.00007	.00247	.012	.00055	.00005	.00004	7.23	.00037	.00002
%RSD	137.21	1.3536	3.0236	.10380	4.5748	118.27	1.0769	1.4859	31.266	4.2331
#1	.00093	.00504	.07994	11.340	.01233	.00007	-.00382	491.87	.00143	-.00038
#2	.00001	.00494	.08343	11.324	.01156	.00001	-.00388	481.64	.00091	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01124	.01671	.08408	53.933	1.8636	189.52	.00175	.28408	W 733.29	.03337
Stddev	.00018	.00006	.00295	.184	.0007	.18	.00004	.00176	1.30	.00024
%RSD	1.5607	.36583	3.5112	.34069	.03909	.09369	2.3908	.61809	.17740	.72010
#1	.01136	.01675	.08617	54.063	1.8641	189.39	.00178	.28532	734.21	.03320
#2	.01111	.01667	.08199	53.803	1.8631	189.64	.00172	.28284	732.37	.03354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01187	-.00133	F 944.95	-.00139	.00638	4.2706	9.1390	-.00004	W 9.9610	-.00125
Stddev	.00483	.00211	1.08	.00151	.00436	.0030	.0064	.00083	.0989	.00140
%RSD	40.678	158.74	.11416	108.51	68.334	.06962	.06962	2322.4	.99309	111.81
#1	.00846	.00016	945.71	-.00246	.00330	4.2685	9.1345	-.00062	10.031	-.00026
#2	.01529	-.00283	944.19	-.00032	.00946	4.2727	9.1435	.00055	9.8911	-.00224
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00261	.00880	.00111	.00379	-.00102
Stddev	.00034	.00252	.00516	.00014	.00034	.00002
%RSD	45.455	96.387	58.619	13.065	8.8877	1.6942
#1	.00051	.00439	.01244	.00100	.00355	-.00100
#2	.00100	.00083	.00515	.00121	.00403	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2848.6	43217.	5241.1
Stddev	7.1	94.	23.2
%RSD	.24880	.21662	.44281
#1	2843.6	43283.	5224.7
#2	2853.6	43151.	5257.5

Sample Name: 280-28137-H-12-B@5 Acquired: 5/1/2012 21:02:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00058	.01487	2.4387	.00275	.00007	-.00201	101.60	.00058	-.00021
Stddev	.00006	.00052	.00678	.0063	.00004	.00003	.00254	.19	.00013	.00020
%RSD	14.089	89.684	45.575	.26055	1.4461	41.518	126.42	.18666	22.631	96.573
#1	.00037	.00094	.01008	2.4432	.00272	.00009	-.00021	101.74	.00067	-.00007
#2	.00045	.00021	.01966	2.4342	.00278	.00005	-.00380	101.47	.00049	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00253	.00317	.02212	10.665	.36591	39.059	.00097	.05765	147.46	.00722
Stddev	.00012	.00024	.00021	.001	.00071	.196	.00005	.00038	.72	.00020
%RSD	4.8922	7.4856	.97137	.00867	.19518	.50201	4.9362	.66086	.48594	2.7256
#1	.00244	.00300	.02228	10.666	.36540	39.197	.00100	.05792	147.97	.00708
#2	.00262	.00334	.02197	10.664	.36641	38.920	.00094	.05738	146.95	.00736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00445	.00000	W 198.43	-.00301	-.00121	.84050	1.7987	-.00031	2.0387	-.00163
Stddev	.00055	.0006	.09	.00074	.00403	.00537	.0115	.00015	.0031	.00168
%RSD	12.387	42563.	.04683	24.693	334.19	.63851	.63851	46.555	.15333	103.23
#1	.00484	.00042	198.37	-.00249	-.00406	.83670	1.7905	-.00021	2.0409	-.00044
#2	.00406	-.00042	198.50	-.00354	.00165	.84429	1.8068	-.00042	2.0365	-.00282
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00207	.01416	-.00006	.00309	.00063
Stddev	.00017	.00151	.03138	.00012	.00000	.00090
%RSD	70.042	73.022	221.68	210.65	.09650	141.89
#1	.00012	.00315	-.00803	-.00014	.00309	.00127
#2	.00036	.00100	.03635	.00003	.00310	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3131.8	47928.	5395.7
Stddev	4.1	184.	53.6
%RSD	.12995	.38375	.99252
#1	3134.7	47798.	5433.6
#2	3128.9	48058.	5357.9

Sample Name: 280-28137-H-13-B@5 Acquired: 5/1/2012 21:04:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.02116	-.00233	6.9292	.00973	.00008	-.00137	157.93	.00084	-.00009
Stddev	.0001	.00030	.00164	.0076	.00044	.00000	.00184	.50	.00017	.00004
%RSD	2071.1	1.4023	70.138	.11022	4.5019	5.0558	134.47	.31931	19.750	49.982
#1	.00007	.02095	-.00118	6.9346	.00942	.00008	-.00007	157.57	.00073	-.00012
#2	-.00008	.02137	-.00349	6.9238	.01004	.00009	-.00267	158.28	.00096	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01394	.08353	1.2227	14.686	1.8409	71.420	.36379	.00220	W 2552.7	.00646
Stddev	.00052	.00019	.0026	.275	.0051	.498	.00290	.00045	6.8	.00030
%RSD	3.7086	.23104	.21181	1.8727	.27893	.69764	.79601	20.489	.26653	4.5938
#1	.01358	.08366	1.2209	14.492	1.8373	71.068	.36174	.00188	2547.9	.00625
#2	.01431	.08339	1.2245	14.880	1.8445	71.772	.36583	.00252	2557.5	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05504	-.00128	F 508.49	-.00185	.00313	1.1823	2.5301	.00085	3.3358	-.00189
Stddev	.00480	.00122	.42	.00117	.00074	.0082	.0175	.00043	.0075	.00006
%RSD	8.7214	95.147	.08236	63.017	23.544	.69311	.69311	50.368	.22362	3.2414
#1	.05164	-.00215	508.78	-.00103	.00365	1.1881	2.5425	.00055	3.3306	-.00185
#2	.05843	-.00042	508.19	-.00267	.00261	1.1765	2.5177	.00116	3.3411	-.00194
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	.00142	.01504	.00052	4.5843	-.00108
Stddev	.00001	.00115	.02619	.00040	.0352	.00026
%RSD	.91399	80.599	174.13	77.721	.76806	24.459
#1	.00085	.00061	.03356	.00023	4.5594	-.00089
#2	.00084	.00223	-.00348	.00080	4.6092	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2725.8	40574.	5192.0
Stddev	2.6	206.	10.4
%RSD	.09589	.50887	.20071
#1	2723.9	40720.	5199.4
#2	2727.6	40428.	5184.7

Sample Name: 280-28137-H-13-B@100 Acquired: 5/1/2012 21:07:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	.00540	.00044	.37791	.00057	.00008	.00074	7.5987	.00012	-.00009
Stddev	.00036	.00017	.00332	.00396	.00011	.00010	.00024	.0276	.00009	.00001
%RSD	38.417	3.1096	756.80	1.0486	19.421	128.31	32.235	.36255	75.727	12.846
#1	.00068	.00552	-.00191	.38072	.00064	.00001	.00091	7.5792	.00019	-.00008
#2	.00118	.00528	.00279	.37511	.00049	.00015	.00057	7.6182	.00006	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.00343	.06585	.86422	.08482	3.5586	.01747	.00000	121.52	-.00002
Stddev	.00007	.00019	.00001	.00105	.00063	.0035	.00004	.0005	.29	.00014
%RSD	10.213	5.4325	.01118	.12156	.74843	.09910	.24253	69897.	.23983	904.57
#1	.00072	.00356	.06585	.86348	.08527	3.5561	.01750	-.00033	121.32	.00009
#2	.00062	.00330	.06584	.86496	.08438	3.5611	.01744	.00033	121.73	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00465	-.00144	23.200	-.00320	.00220	.02528	.05411	.00099	.15798	-.00174
Stddev	.00010	.00043	.001	.00049	.00236	.01404	.03004	.00107	.00008	.00045
%RSD	2.1770	29.805	.00402	15.287	107.38	55.508	55.508	108.05	.04803	26.091
#1	.00472	-.00113	23.199	-.00286	.00387	.01536	.03287	.00174	.15803	-.00206
#2	.00458	-.00174	23.201	-.00355	.00053	.03521	.07535	.00023	.15792	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00126	.01354	-.00076	.21928	-.00135
Stddev	.00012	.00050	.00738	.00041	.00018	.00039
%RSD	2050.0	39.782	54.514	54.576	.08240	28.615
#1	-.00008	.00091	.00832	-.00047	.21940	-.00163
#2	.00009	.00162	.01876	-.00105	.21915	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3193.3	48505.	5392.8
Stddev	9.9	150.	19.6
%RSD	.30974	.30997	.36301
#1	3186.3	48611.	5406.6
#2	3200.3	48399.	5378.9

Sample Name: 280-28137-H-14-B Acquired: 5/1/2012 21:09:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00100	.07032	W 33.838	.03217	.00006	-.00603	W 723.48	.00124	-.00042
Stddev	.00024	.00018	.00644	.180	.00032	.00002	.00195	1.63	.00014	.00025
%RSD	67.361	18.011	9.1520	.53298	1.0085	35.719	32.382	.22508	11.387	58.557
#1	.00052	.00113	.06577	33.965	.03194	.00004	-.00741	724.63	.00134	-.00060
#2	.00018	.00087	.07487	33.710	.03240	.00008	-.00465	722.33	.00114	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00020	.03258	88.434	W 8.4916	305.87	.42009	.01105	W 7476.3	-.00169
Stddev	.00010	.00025	.00158	.286	.0067	1.51	.00007	.00051	.3	.00002
%RSD	18.882	123.42	4.8545	.32296	.07878	.49261	.01665	4.6596	.00441	1.0370
#1	.00062	.00038	.03146	88.232	8.4963	304.80	.42004	.01141	7476.0	-.00167
#2	.00047	.00003	.03370	88.636	8.4869	306.93	.42014	.01068	7476.5	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21204	.00051	F 1608.8	.00010	.00759	7.7069	16.493	.00137	W 16.059	-.00161
Stddev	.00079	.00021	4.4	.00196	.00037	.0270	.058	.00060	.158	.00043
%RSD	.37417	41.188	.27600	2002.2	4.8221	.34981	.34981	43.606	.98692	26.661
#1	.21148	.00066	1611.9	-.00129	.00785	7.7260	16.534	.00095	16.172	-.00191
#2	.21260	.00036	1605.6	.00148	.00733	7.6878	16.452	.00179	15.947	-.00131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00254	-.00682	.00121	.02512	-.00016
Stddev	.00046	.00242	.05148	.00023	.00193	.00111
%RSD	60.386	95.322	754.34	18.744	7.6661	689.59
#1	.00044	.00083	-.04322	.00105	.02376	-.00094
#2	.00109	.00425	.02957	.00137	.02648	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2376.3	35410.	4958.4
Stddev	7.0	23.	31.6
%RSD	.29534	.06495	.63696
#1	2371.3	35393.	4936.1
#2	2381.3	35426.	4980.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 21:12:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00157	48.380	-.00133	.05476	.00052	.00003	1.0181	.02453	.00002	.00013	.00045	-.00527
Stddev	.00020	.157	.00290	.00393	.00024	.00001	.0003	.00644	.00002	.00028	.00003	.00027
%RSD	13.070	.32350	218.94	7.1772	46.756	26.073	.02465	26.255	92.503	212.04	7.2970	5.1029
#1	-.00142	48.269	-.00338	.05754	.00035	.00004	1.0179	.02908	.00003	-.00006	.00043	-.00508
#2	-.00171	48.490	.00073	.05199	.00070	.00003	1.0183	.01998	.00001	.00032	.00048	-.00546
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.365	.33644	.00254	-.01769	.00026	.00051	240.99	.00135	.00373	-.00097	5.1439	-.00326
Stddev	.091	.09230	.00155	.00228	.00000	.00016	1.50	.00026	.00043	.00065	.0046	.00069
%RSD	.18783	27.433	60.958	12.873	.73247	32.456	.62268	19.594	11.473	66.820	.08966	21.109
#1	48.301	.40170	.00363	-.01608	.00026	.00062	239.93	.00153	.00343	-.00051	5.1472	-.00375
#2	48.429	.27118	.00144	-.01930	.00026	.00039	242.05	.00116	.00404	-.00143	5.1407	-.00277
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00808	-.00740	-.01583	.00244	.00080	5.1356	.00807	-.00106	W 10.557	-.00484	.00024	-.05372
Stddev	.00002	.00010	.00021	.00012	.00010	.0017	.00020	.00278	.007	.00010	.00002	.00265
%RSD	.22415	1.3014	1.3014	4.9920	12.563	.03206	2.4884	261.41	.07017	1.9894	8.6281	4.9313
#1	.00807	-.00746	-.01597	.00235	.00087	5.1345	.00793	.00090	10.551	-.00491	.00022	-.05559
#2	.00810	-.00733	-.01568	.00252	.00073	5.1368	.00821	-.00303	10.562	-.00478	.00025	-.05184
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3213.3	48453.	5464.8
Stddev	5.6	63.	19.3
%RSD	.17484	.12967	.35343
#1	3217.2	48498.	5478.4
#2	3209.3	48409.	5451.1

Sample Name: CCV-1390955 Acquired: 5/1/2012 21:14:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50917	.49507	1.0139	.51827	.50163	.46732	-.00426	4.7623	.50663	.50144	.50578	.52254	2.4818
Stddev	.00068	.00174	.0022	.00396	.00039	.00102	.00278	.0036	.00024	.00055	.00030	.00045	.0054
%RSD	.13409	.35055	.21696	.76372	.07713	.21764	65.201	.07520	.04726	.11068	.05885	.08523	.21876
#1	.50869	.49384	1.0155	.52107	.50135	.46660	-.00623	4.7598	.50680	.50183	.50599	.52222	2.4780
#2	.50966	.49629	1.0124	.51547	.50190	.46804	-.00230	4.7649	.50646	.50105	.50557	.52285	2.4856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.975	.96052	19.653	.50640	.50484	5.1425	.50082	.95313	1.0430	.09486	.97437	1.0223	4.6687
Stddev	.072	.00010	.027	.00090	.00171	.0237	.00049	.00352	.0002	.00169	.00318	.0056	.0363
%RSD	.14685	.01020	.13880	.17786	.33929	.46098	.09811	.36900	.01699	1.7790	.32686	.54918	.77797
#1	48.924	.96045	19.633	.50577	.50605	5.1257	.50117	.95561	1.0429	.09605	.97662	1.0263	4.6430
#2	49.026	.96058	19.672	.50704	.50363	5.1592	.50048	.95064	1.0431	.09367	.97211	1.0184	4.6943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9909	1.0102	.49429	.00131	.49207	1.0272	-.00835	.50630	.51597	.50007
Stddev	.0777	.0015	.00031	.00121	.00103	.0015	.02171	.00092	.00135	.00051
%RSD	.77797	.15064	.06309	92.845	.20982	.14979	259.89	.18182	.26100	.10241
#1	9.9360	1.0113	.49407	.00045	.49134	1.0283	.00700	.50565	.51502	.50043
#2	10.046	1.0091	.49451	.00216	.49280	1.0262	-.02370	.50695	.51692	.49970
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3256.0	49626.	5377.6
Stddev	3.2	131.	42.8
%RSD	.09748	.26322	.79576
#1	3253.8	49534.	5407.8
#2	3258.3	49719.	5347.3

Sample Name: CCB Acquired: 5/1/2012 21:16:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	-.00095	-.00098	F .02674	.00013	.00011	-.00376	-.00212	.00015	-.00011	.00018	-.00102	.00182
Stddev	.00006	.00029	.00093	.00107	.00015	.00016	.00061	.00296	.00016	.00011	.00013	.00003	.00003
%RSD	10.743	30.870	95.208	4.0110	120.01	143.41	16.213	139.47	103.61	101.00	71.545	3.0361	1.8933
#1	.00059	-.00115	-.00164	.02750	.00023	.00023	-.00333	-.00422	.00004	-.00018	.00009	-.00104	.00179
#2	.00050	-.00074	-.00032	.02599	.00002	.00000	-.00419	-.00003	.00026	-.00003	.00027	-.00099	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700									
Low Limit				-.00700									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10898	.00097	.00253	.00001	.00075	F .37612	-.00021	.00210	-.00063	.10527	.00202	.00039	-.02111
Stddev	.02298	.00054	.00130	.00003	.00011	.00004	.00028	.00060	.00067	.00125	.00021	.00357	.00433
%RSD	21.086	56.080	51.591	329.88	15.191	.01035	132.97	28.597	107.46	1.1907	10.448	922.24	20.505
#1	.09274	.00135	.00345	-.00001	.00067	.37615	-.00040	.00252	-.00110	.10615	.00187	-.00214	-.02417
#2	.12523	.00058	.00161	.00003	.00083	.37609	-.00001	.00167	-.00015	.10438	.00217	.00291	-.01805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04518	.00153	.00007	.00023	.00029	-.00059	.04325	-.00029	.00230	-.00006
Stddev	.00926	.00090	.00005	.00127	.00021	.00161	.04584	.00005	.00014	.00199
%RSD	20.505	58.676	77.485	553.34	70.046	273.24	106.01	15.907	5.9590	3546.9
#1	-.05173	.00090	.00011	.00113	.00044	.00055	.01083	-.00026	.00239	.00135
#2	-.03863	.00217	.00003	-.00067	.00015	-.00173	.07566	-.00032	.00220	-.00146
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3308.8	50146.	5342.3
Stddev	7.3	47.	17.8
%RSD	.22035	.09445	.33314
#1	3303.7	50180.	5354.9
#2	3314.0	50113.	5329.7

Sample Name: CCVL1390952 Acquired: 5/1/2012 21:19:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01103	.10284	.01424	.12045	.01012	.00093	.11445	.19024	.00523	.01017	.01013	.01519	.09916
Stddev	.00007	.00000	.00095	.00066	.00009	.00003	.00050	.00004	.00023	.00034	.00004	.00031	.00118
%RSD	.63118	.00310	6.6960	.54625	.89008	3.5719	.43502	.02118	4.4329	3.3346	.44201	2.0473	1.1914
#1	.01098	.10284	.01356	.12092	.01018	.00091	.11480	.19027	.00539	.00993	.01009	.01541	.09832
#2	.01108	.10285	.01491	.11999	.01006	.00096	.11410	.19022	.00506	.01041	.01016	.01497	.09999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0563	.01071	.21125	.01056	.01990	1.2786	.04060	2.7942	.01015	.07845	F .00538	.01855	.45404
Stddev	.0128	.00333	.00088	.00003	.00072	.0063	.00047	.0012	.00172	.00850	.00145	.00013	.00991
%RSD	.41829	31.101	.41428	.30117	3.6273	.49091	1.1477	.04302	16.987	10.832	26.892	.72678	2.1833
#1	3.0653	.01306	.21063	.01054	.02041	1.2831	.04027	2.7951	.01137	.08446	.00436	.01846	.44703
#2	3.0472	.00835	.21187	.01058	.01939	1.2742	.04092	2.7934	.00893	.07244	.00640	.01865	.46105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97164	.10295	.00991	.01645	.00985	.01700	F .09275	.00925	.02255	.01371
Stddev	.02121	.00135	.00007	.00146	.00008	.00045	.01089	.00048	.00049	.00050
%RSD	2.1833	1.3156	.68493	8.8525	.84953	2.6719	11.737	5.1752	2.1556	3.6183
#1	.95664	.10199	.00986	.01542	.00979	.01732	.10045	.00959	.02290	.01336
#2	.98664	.10390	.00995	.01748	.00991	.01668	.08506	.00891	.02221	.01406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3383.5	51482.	5485.9
Stddev	11.9	100.	17.1
%RSD	.35310	.19465	.31165
#1	3391.9	51411.	5473.8
#2	3375.0	51553.	5498.0

Sample Name: 280-28137-H-15-B Acquired: 5/1/2012 21:21:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00937	.09175	W 18.381	.01914	-.00001	-.00438	464.98	.00097	-.00032
Stddev	.00065	.00045	.00040	.019	.00006	.00007	.00143	.60	.00003	.00026
%RSD	125.10	4.8051	.43694	.10262	.29893	1320.5	32.604	.12999	3.1121	79.179
#1	.00098	.00969	.09146	18.368	.01918	-.00005	-.00337	464.55	.00095	-.00014
#2	.00006	.00905	.09203	18.394	.01910	.00004	-.00538	465.41	.00100	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00161	.29040	51.330	W 2.7866	209.28	.13650	.11471	W 1237.4	-.00018
Stddev	.00013	.00015	.00134	.106	.0087	.97	.00041	.00010	.6	.00017
%RSD	12.303	9.3028	.46208	.20641	.31366	.46303	.30055	.09093	.05235	93.354
#1	.00116	.00172	.29135	51.255	2.7928	209.97	.13679	.11463	1237.9	-.00006
#2	.00098	.00150	.28945	51.405	2.7805	208.60	.13621	.11478	1237.0	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01872	-.00137	F 1102.9	-.00098	.00609	5.2455	11.225	.00070	W 9.8847	-.00135
Stddev	.00007	.00051	.5	.00175	.00058	.0137	.029	.00094	.0988	.00059
%RSD	.36549	36.845	.04682	179.46	9.5998	.26161	.26161	133.88	.99970	44.092
#1	.01877	-.00102	1102.5	-.00221	.00568	5.2552	11.246	.00137	9.9546	-.00093
#2	.01867	-.00173	1103.3	.00026	.00650	5.2357	11.205	.00004	9.8148	-.00177
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00203	.00381	.00028	.00282	.00110
Stddev	.00021	.00087	.03951	.00010	.00001	.00047
%RSD	26.426	42.741	1037.8	35.935	.37568	42.565
#1	.00065	.00264	-.02413	.00021	.00282	.00077
#2	.00095	.00142	.03175	.00035	.00281	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2795.6	41789.	5182.2
Stddev	5.5	128.	22.7
%RSD	.19708	.30574	.43899
#1	2799.5	41698.	5198.3
#2	2791.7	41879.	5166.1

Sample Name: 280-28137-H-16-B Acquired: 5/1/2012 21:24:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.01778	.02859	W 32.066	.03879	.00009	-.00622	W 626.72	.00136	-.00076
Stddev	.00034	.00049	.00261	.069	.00041	.00000	.00046	2.48	.00002	.00001
%RSD	71.894	2.7300	9.1381	.21524	1.0542	.61524	7.4658	.39496	1.3604	1.7220
#1	.00023	.01812	.02674	32.115	.03850	.00009	-.00589	628.47	.00134	-.00077
#2	.00071	.01744	.03043	32.017	.03908	.00009	-.00655	624.97	.00137	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00277	.00064	.06493	63.588	W 7.3133	228.62	.69233	.03829	W 6372.0	-.00069
Stddev	.00030	.00016	.00173	.042	.0283	1.10	.00034	.00008	16.0	.00007
%RSD	10.844	25.154	2.6576	.06612	.38643	.47931	.04873	.20348	.25169	10.802
#1	.00255	.00075	.06371	63.558	7.2933	227.84	.69209	.03834	6360.7	-.00074
#2	.00298	.00052	.06615	63.618	7.3332	229.39	.69257	.03823	6383.3	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13272	.00083	F 1671.6	.00067	.00719	4.3152	9.2346	.00040	W 13.447	-.00169
Stddev	.00261	.00182	1.9	.00025	.00785	.0081	.0174	.00139	.193	.00035
%RSD	1.9668	218.98	.11242	37.907	109.23	.18845	.18845	350.75	1.4387	20.822
#1	.13087	.00211	1672.9	.00085	.01274	4.3095	9.2223	-.00059	13.311	-.00144
#2	.13457	-.00046	1670.3	.00049	.00164	4.3210	9.2469	.00138	13.584	-.00194
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00091	.00253	-.00994	.00057	.00362	-.00106
Stddev	.00036	.00014	.04149	.00042	.00097	.00221
%RSD	39.857	5.7262	417.36	74.226	26.795	207.85
#1	.00117	.00263	.01940	.00086	.00294	-.00263
#2	.00065	.00243	-.03928	.00027	.00431	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2452.2	36580.	5075.5
Stddev	3.1	116.	38.8
%RSD	.12481	.31589	.76384
#1	2454.4	36498.	5048.1
#2	2450.0	36662.	5102.9

Sample Name: 280-28137-H-17-B@5 Acquired: 5/1/2012 21:27:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	-.00009	-.00264	9.9604	.00610	.00006	-.00437	166.65	.00075	-.00029
Stddev	.00009	.00030	.00013	.0057	.00007	.00000	.00000	.40	.00013	.00024
%RSD	30.477	340.19	4.8763	.05761	1.1792	.44241	.04635	.23867	17.829	81.777
#1	.00036	-.00030	-.00255	9.9564	.00605	.00006	-.00437	166.37	.00084	-.00012
#2	.00024	.00012	-.00273	9.9645	.00615	.00006	-.00438	166.94	.00065	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00359	.04037	13.558	W 2.1904	65.532	.22446	.00153	W 2421.2	.00002
Stddev	.00008	.00044	.00126	.037	.0011	.055	.00056	.00026	2.2	.00024
%RSD	17.761	12.160	3.1276	.27450	.04887	.08358	.24921	16.886	.09039	976.37
#1	.00050	.00389	.03947	13.584	2.1896	65.570	.22485	.00171	2419.6	.00019
#2	.00039	.00328	.04126	13.531	2.1912	65.493	.22406	.00135	2422.7	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02190	-.00201	F 478.99	-.00368	.00280	2.8932	6.1914	-.00008	3.9544	-.00283
Stddev	.00084	.00078	.44	.00116	.00229	.0281	.0601	.00051	.0013	.00081
%RSD	3.8444	38.829	.09119	31.499	81.575	.97068	.97068	642.18	.03162	28.516
#1	.02131	-.00256	478.68	-.00450	.00442	2.8733	6.1489	-.00044	3.9535	-.00341
#2	.02250	-.00146	479.30	-.00286	.00119	2.9130	6.2339	.00028	3.9553	-.00226
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00304	.00952	.00003	.03388	.00030
Stddev	.00027	.00297	.06265	.00042	.00039	.00120
%RSD	391.05	97.624	658.03	1378.5	1.1610	397.39
#1	.00026	.00094	.05382	.00033	.03416	.00115
#2	-.00012	.00514	-.03478	-.00027	.03360	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2763.1	40836.	5283.2
Stddev	7.2	13.	28.9
%RSD	.26230	.03198	.54702
#1	2768.3	40827.	5303.7
#2	2758.0	40846.	5262.8

Sample Name: 280-28137-H-17-B@100 Acquired: 5/1/2012 21:29:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.00034	-.00313	.54969	.00042	-.00002	.00234	7.9755	.00000	-.00025
Stddev	.00006	.00015	.00647	.00312	.00001	.00006	.00153	.0290	.00013	.00004
%RSD	169.28	42.845	206.59	.56693	2.7147	282.66	65.599	.36310	3917.6	17.570
#1	-.00008	-.00045	-.00771	.55189	.00041	.00002	.00125	7.9960	-.00009	-.00021
#2	.00001	-.00024	.00144	.54749	.00043	-.00006	.00342	7.9550	.00010	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.00026	.00722	.78569	.10279	3.1651	.01045	.00004	114.32	-.00053
Stddev	.00015	.00035	.00081	.01785	.00237	.0109	.00005	.00009	.32	.00030
%RSD	62.209	136.51	11.184	2.2723	2.3085	.34427	.51683	237.87	.28095	55.729
#1	.00013	-.00001	.00665	.79832	.10111	3.1574	.01041	-.00003	114.55	-.00074
#2	.00034	-.00050	.00780	.77307	.10447	3.1728	.01048	.00010	114.09	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00063	.00049	21.741	-.00398	.00018	.11610	.24846	-.00065	.18527	.00094
Stddev	.00049	.00069	.049	.00310	.00636	.00699	.01496	.00016	.00060	.00019
%RSD	76.903	141.96	.22759	77.908	3467.7	6.0218	6.0218	24.858	.32356	20.011
#1	.00029	.00000	21.776	-.00618	-.00431	.11116	.23788	-.00054	.18569	.00081
#2	.00098	.00098	21.706	-.00179	.00468	.12105	.25904	-.00077	.18485	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00126	.02896	-.00042	.00475	-.00141
Stddev	.00024	.00019	.01597	.00011	.00029	.00184
%RSD	400.86	14.817	55.145	27.293	6.0509	130.19
#1	-.00011	.00139	.04025	-.00034	.00495	-.00272
#2	.00023	.00113	.01766	-.00050	.00454	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3227.7	49435.	5461.7
Stddev	6.1	106.	24.1
%RSD	.18874	.21424	.44216
#1	3223.4	49510.	5444.6
#2	3232.0	49360.	5478.8

Sample Name: 280-28137-H-19-B@5 Acquired: 5/1/2012 21:32:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	.06316	.00445	9.7206	.00720	.00006	.00222	129.56	.00059	.00030
Stddev	.00062	.00125	.00203	.0150	.00007	.00007	.00077	.36	.00015	.00002
%RSD	303.45	1.9791	45.678	.15465	.95078	112.12	34.462	.27626	25.261	5.0934
#1	-.00064	.06227	.00301	9.7313	.00715	.00011	.00168	129.81	.00049	.00029
#2	.00023	.06404	.00588	9.7100	.00725	.00001	.00276	129.30	.00070	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09630	.00236	1.4380	12.586	W 2.4058	42.370	.19185	.00864	W 2040.6	.02721
Stddev	.00012	.00025	.0075	.022	.0067	.127	.00058	.00003	6.7	.00029
%RSD	.11980	10.574	.51919	.17089	.28029	.29976	.30355	.33787	.33040	1.0622
#1	.09638	.00219	1.4433	12.570	2.4106	42.460	.19226	.00861	2045.4	.02741
#2	.09622	.00254	1.4327	12.601	2.4010	42.280	.19144	.00866	2035.9	.02700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04216	-.00040	F 543.71	-.00021	.00421	1.5851	3.3922	-.00033	2.6997	-.00093
Stddev	.00246	.00267	.98	.00379	.00681	.0024	.0052	.00059	.0054	.00154
%RSD	5.8382	665.04	.18099	1807.7	161.71	.15237	.15237	176.11	.19935	166.35
#1	.04390	.00149	544.41	.00247	.00903	1.5868	3.3958	-.00075	2.7035	-.00202
#2	.04042	-.00229	543.02	-.00289	-.00060	1.5834	3.3885	.00008	2.6959	.00016
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00238	-.00088	.03170	.00047	.05711	.00109
Stddev	.00013	.00127	.01281	.00012	.00066	.00362
%RSD	5.5276	144.96	40.406	25.972	1.1506	333.67
#1	.00229	-.00178	.04075	.00055	.05758	-.00148
#2	.00248	.00002	.02264	.00038	.05665	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2800.9	41871.	5289.8
Stddev	3.0	34.	11.9
%RSD	.10756	.08109	.22492
#1	2798.8	41847.	5281.3
#2	2803.0	41895.	5298.2

Sample Name: 280-28137-H-19-B@100 Acquired: 5/1/2012 21:34:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00302	.00057	.53130	.00052	.00006	-.00177	6.2124	.00008	.00002
Stddev	.00038	.00006	.00280	.00520	.00024	.00000	.00190	.0005	.00021	.00012
%RSD	76.707	1.8740	490.47	.97960	46.455	6.0486	106.93	.00770	249.60	511.98
#1	.00077	.00298	.00255	.53498	.00070	.00006	-.00043	6.2121	-.00006	-.00006
#2	.00023	.00306	-.00141	.52762	.00035	.00006	-.00311	6.2128	.00023	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00458	-.00111	.06835	.72112	.11303	2.1002	.00906	.00005	97.742	.00084
Stddev	.00001	.00023	.00178	.01571	.00067	.0083	.00019	.00004	.266	.00019
%RSD	.23268	20.549	2.6040	2.1781	.58936	.39486	2.0974	81.607	.27238	22.245
#1	.00458	-.00127	.06961	.71001	.11350	2.1061	.00919	.00002	97.554	.00071
#2	.00459	-.00095	.06709	.73222	.11256	2.0944	.00892	.00008	97.931	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00413	-.00037	24.993	-.00279	.00077	.06629	.14187	-.00063	.12787	.00092
Stddev	.00435	.00112	.051	.00038	.00443	.00181	.00388	.00004	.00037	.00015
%RSD	105.30	303.31	.20423	13.569	576.84	2.7365	2.7365	6.4306	.28965	16.828
#1	.00721	-.00116	25.029	-.00305	.00390	.06501	.13912	-.00066	.12814	.00103
#2	.00106	.00042	24.956	-.00252	-.00237	.06758	.14461	-.00060	.12761	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00099	.01262	-.00024	.00606	-.00172
Stddev	.00004	.00168	.00169	.00008	.00050	.00136
%RSD	105.66	169.50	13.369	34.028	8.2500	78.624
#1	.00001	-.00020	.01142	-.00029	.00571	-.00268
#2	.00006	.00218	.01381	-.00018	.00641	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3236.4	49557.	5484.7
Stddev	8.9	17.	22.9
%RSD	.27586	.03384	.41831
#1	3230.1	49545.	5500.9
#2	3242.7	49569.	5468.5

Sample Name: 280-28137-H-21-B Acquired: 5/1/2012 21:36:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00696	-.00083	1.0363	.01730	.00003	-.00767	498.80	.00137	.00027
Stddev	.00005	.00096	.00355	.0046	.00021	.00003	.00185	3.83	.00017	.00037
%RSD	34.071	13.858	428.63	.43980	1.2411	117.16	24.154	.76876	12.459	135.29
#1	-.00018	.00628	.00168	1.0331	.01745	.00005	-.00636	496.09	.00125	.00001
#2	-.00011	.00764	-.00334	1.0395	.01715	.00000	-.00898	501.51	.00149	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00242	.09573	.00951	19.740	.30700	228.23	.01830	.02808	230.70	.00157
Stddev	.00013	.00036	.00074	.166	.00355	1.41	.00010	.00038	2.14	.00046
%RSD	5.2129	.37925	7.7676	.84175	1.1551	.61984	.53550	1.3687	.92677	29.062
#1	.00250	.09599	.00898	19.858	.30951	229.23	.01837	.02781	232.22	.00125
#2	.00233	.09548	.01003	19.623	.30450	227.23	.01823	.02835	229.19	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06739	-.00044	F 808.12	-.00016	.00987	8.4064	17.990	-.00008	W 10.675	-.00137
Stddev	.00065	.00026	1.45	.00068	.00520	.0623	.133	.00123	.124	.00038
%RSD	.96708	59.567	.17988	433.05	52.733	.74133	.74133	1553.2	1.1662	27.643
#1	.06785	-.00063	807.09	.00032	.00619	8.4505	18.084	-.00095	10.763	-.00164
#2	.06693	-.00026	809.15	-.00063	.01355	8.3624	17.895	.00079	10.587	-.00110
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00024	.04141	.00081	.04983	-.00041
Stddev	.00018	.00092	.02950	.00049	.00028	.00020
%RSD	22.759	381.72	71.222	60.596	.56513	48.160
#1	.00067	-.00041	.06227	.00116	.04963	-.00027
#2	.00092	.00089	.02056	.00047	.05002	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2884.1	44761.	5306.2
Stddev	1.4	161.	14.7
%RSD	.04890	.35877	.27626
#1	2883.1	44875.	5295.9
#2	2885.1	44648.	5316.6

Sample Name: 280-28137-H-22-B Acquired: 5/1/2012 21:39:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00438	.08984	W 25.749	.03246	.00011	-.00546	W 569.96	.00104	-.00039
Stddev	.00030	.00004	.00408	.132	.00007	.00006	.00441	4.55	.00009	.00017
%RSD	124.03	.91392	4.5448	.51155	.22717	50.374	80.768	.79765	8.4815	44.746
#1	.00003	.00441	.09273	25.842	.03241	.00015	-.00858	573.17	.00098	-.00027
#2	.00045	.00436	.08695	25.656	.03251	.00007	-.00234	566.74	.00110	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00078	.00077	1.0766	56.710	W 3.9078	234.44	1.0624	.01326	W 1767.0	-.00107
Stddev	.00035	.00021	.0078	.109	.0103	.64	.0038	.00018	2.8	.00033
%RSD	45.327	26.928	.72212	.19216	.26264	.27257	.35387	1.3279	.15620	30.837
#1	.00103	.00092	1.0711	56.633	3.9005	234.89	1.0598	.01339	1765.1	-.00130
#2	.00053	.00063	1.0821	56.787	3.9150	233.99	1.0651	.01314	1769.0	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08148	-.00144	F 1065.4	.00126	.01130	10.554	22.585	.00026	W 12.107	-.00071
Stddev	.00118	.00110	4.7	.00092	.00060	.016	.035	.00021	.090	.00102
%RSD	1.4429	76.112	.44033	73.031	5.3125	.15379	.15379	81.397	.74520	142.64
#1	.08065	-.00222	1068.7	.00191	.01088	10.542	22.561	.00040	12.044	.00001
#2	.08231	-.00067	1062.1	.00061	.01173	10.565	22.610	.00011	12.171	-.00143
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.00142	.02200	.00038	.00489	.00028
Stddev	.00029	.00188	.02677	.00054	.00022	.00164
%RSD	58.542	132.65	121.70	142.47	4.4208	580.31
#1	.00029	.00275	.00307	.00000	.00474	.00144
#2	.00069	.00009	.04093	.00076	.00504	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2688.5	41224.	5196.7
Stddev	8.0	128.	10.0
%RSD	.29788	.30952	.19275
#1	2682.8	41314.	5189.6
#2	2694.1	41134.	5203.8

Sample Name: 280-28137-H-23-D Acquired: 5/1/2012 21:42:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.01043	.02598	W 35.741	.03033	.00010	-.00695	W 577.21	.00127	-.00071
Stddev	.00018	.00067	.00475	.055	.00058	.00006	.00384	11.65	.00000	.00019
%RSD	31.746	6.4193	18.268	.15476	1.9115	57.580	55.290	2.0185	.14566	26.069
#1	.00044	.00995	.02934	35.702	.03074	.00014	-.00967	585.45	.00128	-.00084
#2	.00070	.01090	.02263	35.780	.02992	.00006	-.00423	568.97	.00127	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00024	2.5640	61.111	W 8.0828	226.25	.56809	.02857	W 6440.8	-.00095
Stddev	.00021	.00036	.0194	.283	.0368	.48	.00193	.00027	27.6	.00035
%RSD	37.893	149.84	.75652	.46384	.45505	.21072	.33931	.93402	.42785	37.040
#1	.00040	-.00001	2.5777	61.312	8.1088	225.91	.56672	.02838	6460.3	-.00070
#2	.00070	.00049	2.5503	60.911	8.0568	226.59	.56945	.02875	6421.3	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14939	.00007	F 1746.6	-.00008	.01089	3.3858	7.2457	.00107	W 12.333	-.00047
Stddev	.00052	.00047	.6	.00269	.01229	.0150	.0320	.00018	.035	.00099
%RSD	.34934	660.35	.03506	3388.2	112.90	.44222	.44222	16.474	.28238	212.08
#1	.14976	-.00026	1746.1	-.00198	.01958	3.3964	7.2684	.00095	12.358	.00023
#2	.14903	.00040	1747.0	.00182	.00220	3.3753	7.2230	.00120	12.309	-.00117
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00079	-.00022	.00611	.00033	.00977	.00017
Stddev	.00004	.00103	.03664	.00085	.00075	.00242
%RSD	5.3639	465.62	599.44	254.89	7.6234	1439.8
#1	.00076	.00051	-.01980	-.00027	.00925	-.00154
#2	.00082	-.00095	.03202	.00093	.01030	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2442.0	36881.	5097.5
Stddev	1.0	159.	55.5
%RSD	.04187	.43235	1.0888
#1	2442.7	36994.	5058.2
#2	2441.3	36768.	5136.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 21:45:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00139	48.158	.00222	.06622	.00037	.00010	1.0160	.01990	.00008	.00034	.00034	-.00504	47.782
Stddev	.00037	.005	.00044	.00606	.00001	.00003	.0028	.00272	.00023	.00021	.00026	.00049	.084
%RSD	26.760	.01122	19.942	9.1496	3.2917	24.930	.27754	13.688	279.59	62.486	77.393	9.6248	.17584
#1	-.00165	48.154	.00191	.07050	.00036	.00008	1.0180	.02183	.00025	.00019	.00052	-.00470	47.722
#2	-.00113	48.162	.00254	.06193	.00037	.00012	1.0140	.01797	-.00008	.00049	.00015	-.00539	47.841
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26768	.00228	-.01592	.00012	.00053	240.41	.00098	.00055	-.00033	5.1438	-.00060	.00106	-.00728
Stddev	.07241	.00094	.00025	.00009	.00018	.10	.00037	.00005	.00098	.0062	.00104	.00300	.01106
%RSD	27.053	41.155	1.5782	71.971	33.480	.04312	37.589	8.2528	293.10	.12006	171.89	283.45	151.85
#1	.31888	.00294	-.01575	.00006	.00040	240.34	.00124	.00052	.00036	5.1394	-.00134	-.00106	.00054
#2	.21647	.00162	-.01610	.00018	.00066	240.48	.00072	.00058	-.00103	5.1481	.00013	.00318	-.01510
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01558	.00117	.00065	5.0399	.00839	.00083	10.423	-.00474	.00105	-.04974
Stddev	.02367	.00112	.00000	.0194	.00017	.00018	.037	.00078	.00067	.00065
%RSD	151.85	96.505	.64712	.38495	1.9727	21.271	.35302	16.518	63.566	1.3083
#1	.00115	.00037	.00066	5.0536	.00851	.00096	10.449	-.00529	.00058	-.05020
#2	-.03232	.00196	.00065	5.0262	.00827	.00071	10.397	-.00419	.00152	-.04928
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3243.4	49178.	5531.8
Stddev	.4	47.	26.1
%RSD	.01320	.09462	.47116
#1	3243.1	49145.	5513.4
#2	3243.7	49211.	5550.3

Sample Name: CCV-1390955 Acquired: 5/1/2012 21:47:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50797	.48766	.99941	.52654	.49549	.46344	-.00263	4.7052	.50514	.49859	.50375	.52077	2.4227
Stddev	.00114	.00039	.00064	.00328	.00211	.00293	.00120	.0349	.00013	.00041	.00081	.00095	.0208
%RSD	.22350	.07900	.06367	.62212	.42563	.63293	45.852	.74136	.02663	.08164	.16076	.18156	.85804
#1	.50717	.48793	.99896	.52886	.49698	.46552	-.00348	4.7299	.50505	.49888	.50432	.52010	2.4374
#2	.50877	.48738	.99986	.52423	.49400	.46137	-.00177	4.6805	.50524	.49830	.50318	.52144	2.4080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.268	.95898	19.372	.50083	.50168	5.1792	.49674	.95826	1.0294	.11954	.97638	1.0124	4.6419
Stddev	.194	.01068	.048	.00090	.00145	.0568	.00005	.00494	.0034	.00095	.00162	.0048	.0778
%RSD	.40116	1.1141	.24893	.18046	.28944	1.0960	.01047	.51559	.33282	.79332	.16595	.47386	1.6758
#1	48.405	.96654	19.337	.50019	.50271	5.2193	.49671	.96176	1.0318	.11887	.97523	1.0158	4.6969
#2	48.131	.95143	19.406	.50147	.50065	5.1390	.49678	.95477	1.0270	.12021	.97753	1.0090	4.5869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9336	1.0030	.48793	-.00060	.49259	1.0193	.02118	.50579	.50800	.49016
Stddev	.1665	.0033	.00305	.00026	.00147	.0003	.01191	.00054	.00058	.00513
%RSD	1.6758	.33344	.62466	43.870	.29907	.02465	56.242	.10586	.11414	1.0459
#1	10.051	1.0053	.49009	-.00078	.49155	1.0195	.01276	.50541	.50759	.49379
#2	9.8159	1.0006	.48578	-.00041	.49363	1.0191	.02961	.50617	.50841	.48654
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3281.1	50089.	5539.2
Stddev	2.1	50.	2.1
%RSD	.06397	.09964	.03827
#1	3279.6	50124.	5540.7
#2	3282.6	50053.	5537.7

Sample Name: CCB Acquired: 5/1/2012 21:49:33 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00032	W -.00471	F .03432	.00019	.00005	-.00067	.00287	.00012	-.00005	.00013
Stddev	.00005	.00035	.00376	.00100	.00001	.00006	.00264	.00020	.00000	.00027	.00002
%RSD	727.64	111.32	79.871	2.9083	2.9710	104.46	392.94	6.9588	3.1715	548.20	15.560
#1	.00003	-.00007	-.00737	.03503	.00019	.00001	.00120	.00273	.00012	.00014	.00011
#2	-.00005	-.00057	-.00205	.03362	.00018	.00009	-.00254	.00301	.00012	-.00024	.00014
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441	.00700							
Low Limit			-.00441	-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	F .27840	.07104	.00026	.00187	F .00227	.00081	F .44531	-.00067	-.00202	-.00016
Stddev	.00008	.00407	.01965	.00194	.00104	.00001	.00039	.00697	.00017	.00205	.00171
%RSD	25.243	1.4628	27.664	756.84	55.444	.39378	47.820	1.5646	26.260	101.20	1040.6
#1	.00036	.28128	.08494	.00163	.00261	.00227	.00054	.45024	-.00079	-.00347	-.00138
#2	.00025	.27553	.05715	-.00112	.00114	.00228	.00109	.44038	-.00054	-.00057	.00105
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.03000				.00050		.18320			
Low Limit		-.03000				-.00050		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13413	.00235	.00007	-.01815	-.03884	.00058	.00007	-.00011	.00012	-.00001	.02692
Stddev	.00276	.00129	.00023	.00352	.00754	.00017	.00001	.00136	.00030	.00035	.01814
%RSD	2.0559	55.066	312.42	19.401	19.401	29.591	15.611	1214.8	246.17	2410.7	67.408
#1	.13218	.00143	-.00009	-.01566	-.03352	.00070	.00008	-.00107	.00033	.00023	.01409
#2	.13608	.00326	.00023	-.02064	-.04417	.00046	.00007	.00085	-.00009	-.00026	.03975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00053	.00340	-.00004
Stddev	.00011	.00044	.00269
%RSD	21.098	12.973	6432.2
#1	-.00045	.00371	.00186
#2	-.00061	.00308	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3308.0	51248.	5452.0
Stddev	8.1	160.	23.9
%RSD	.24562	.31130	.43871
#1	3302.3	51135.	5435.1
#2	3313.7	51360.	5468.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 21:51:58 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01081	.10122	.01347	.12592	.01035	.00102	.11622	.18755	.00521	.01021	.01023	.01509	.09730
Stddev	.00015	.00094	.00176	.00052	.00004	.00003	.00215	.00110	.00025	.00036	.00038	.00036	.00249
%RSD	1.4121	.92629	13.061	.41501	.42200	2.7666	1.8514	.58776	4.7812	3.4851	3.6664	2.3835	2.5612
#1	.01071	.10188	.01472	.12629	.01038	.00100	.11774	.18832	.00503	.00996	.00997	.01484	.09554
#2	.01092	.10056	.01223	.12555	.01032	.00104	.11470	.18677	.00539	.01046	.01050	.01535	.09906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0945	.00879	.20350	.01048	.01997	F 1.3448	.04003	2.7896	.01000	.09871	F .00619	.01550	.44919
Stddev	.0197	.00230	.00277	.00007	.00021	.0255	.00015	.0007	.00082	.00149	.00142	.00171	.00414
%RSD	.63788	26.170	1.3599	.67222	1.0480	1.8924	.38097	.02669	8.1752	1.5119	22.892	11.043	.92107
#1	3.0805	.00717	.20546	.01043	.01982	1.3628	.03992	2.7891	.01058	.09765	.00519	.01671	.44627
#2	3.1084	.01042	.20155	.01053	.02011	1.3268	.04014	2.7901	.00942	.09976	.00719	.01429	.45212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value						1.0000					.01000		
Range						30.000%					-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96127	.10297	.01001	.01582	.00988	.01684	F .08063	.00936	.02261	.01465
Stddev	.00885	.00131	.00007	.00112	.00033	.00053	.00229	.00031	.00030	.00266
%RSD	.92107	1.2702	.67824	7.0594	3.3477	3.1640	2.8403	3.3347	1.3279	18.165
#1	.95501	.10390	.01006	.01503	.00965	.01721	.07901	.00914	.02240	.01653
#2	.96753	.10205	.00996	.01661	.01012	.01646	.08225	.00958	.02282	.01277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3401.1	51761.	5531.3
Stddev	4.4	34.	11.8
%RSD	.12964	.06619	.21378
#1	3404.2	51737.	5539.7
#2	3398.0	51785.	5523.0

Sample Name: MB 280-117070/1-A Acquired: 5/1/2012 21:54:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.02802	-.00436	F .04716	.00041	.00006	-.00808	.05158	.00029	-.00006
Stddev	.00015	.00011	.00369	.00025	.00008	.00003	.00044	.00130	.00018	.00036
%RSD	63.801	.38518	84.658	.53741	19.500	51.858	5.4333	2.5167	60.105	636.89
#1	.00013	.02810	-.00697	.04698	.00047	.00004	-.00839	.05067	.00042	-.00031
#2	.00034	.02795	-.00175	.04734	.00036	.00008	-.00777	.05250	.00017	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-.00055	.02513	.12034	.00002	.01478	.00082	-.00005	.45652	-.00032
Stddev	.00028	.00009	.00109	.01618	.00004	.00198	.00005	.00019	.00249	.00017
%RSD	138.38	16.578	4.3467	13.444	263.11	13.383	5.7790	419.15	.54442	54.756
#1	.00040	-.00048	.02436	.13178	.00005	.01617	.00079	.00009	.45828	-.00019
#2	.00000	-.00061	.02590	.10890	-.00001	.01338	.00086	-.00018	.45476	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00448	.00021	F .13692	-.00087	-.00019	F .09300	.19902	.00932	.00028	.00122
Stddev	.00143	.00025	.00164	.00131	.00114	.00843	.01804	.00016	.00001	.00041
%RSD	31.861	118.88	1.1984	151.87	589.48	9.0648	9.0648	1.7387	2.4686	33.128
#1	.00347	.00038	.13808	-.00179	-.00100	.08704	.18627	.00944	.00029	.00094
#2	.00549	.00003	.13576	.00006	.00061	.09896	.21178	.00921	.00028	.00151
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00052	.02861	-.00022	.00260	-.00224
Stddev	.00019	.00027	.01077	.00067	.00047	.00018
%RSD	53.761	52.394	37.648	307.76	18.223	8.0319
#1	.00022	-.00033	.02100	.00025	.00293	-.00211
#2	.00049	-.00071	.03623	-.00069	.00226	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3339.3	51443.	5530.7
Stddev	4.9	27.	42.8
%RSD	.14602	.05184	.77310
#1	3342.8	51462.	5500.4
#2	3335.9	51424.	5560.9

Sample Name: LCS 280-117070/2-A Acquired: 5/1/2012 21:56:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04956	1.8554	.99526	1.0430	1.9523	.04610	2.0448	45.437	.09712	.48055
Stddev	.00034	.0031	.00700	.0029	.0016	.00002	.0003	.061	.00039	.00098
%RSD	.68025	.16843	.70325	.27872	.08211	.03915	.01250	.13487	.39973	.20443
#1	.04932	1.8532	1.0002	1.0409	1.9512	.04611	2.0447	45.393	.09684	.48125
#2	.04979	1.8576	.99031	1.0450	1.9535	.04609	2.0450	45.480	.09739	.47986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19790	.25561	.96264	48.094	.94889	47.153	.49886	.99922	49.914	.47772
Stddev	.00019	.00053	.00121	.004	.00179	.070	.00076	.00202	.271	.00068
%RSD	.09421	.20738	.12584	.00839	.18870	.14804	.15330	.20237	.54365	.14207
#1	.19777	.25523	.96349	48.091	.94762	47.202	.49940	.99779	49.722	.47820
#2	.19803	.25598	.96178	48.097	.95015	47.103	.49832	1.0007	50.106	.47724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4565	.48530	.15939	.46303	1.9563	5.5161	11.804	1.9546	.97769	1.0140
Stddev	.0032	.00130	.00295	.00279	.0069	.0804	.172	.0024	.00192	.0051
%RSD	.03411	.26749	1.8527	.60313	.35216	1.4576	1.4576	.12195	.19645	.50583
#1	9.4588	.48439	.16147	.46105	1.9514	5.4592	11.683	1.9530	.97633	1.0176
#2	9.4543	.48622	.15730	.46500	1.9611	5.5729	11.926	1.9563	.97905	1.0104
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97919	1.9247	2.1876	.50323	.49565	.47992
Stddev	.00117	.0012	.0038	.00028	.00080	.00193
%RSD	.11909	.06341	.17205	.05487	.16156	.40127
#1	.98001	1.9238	2.1849	.50303	.49622	.47856
#2	.97836	1.9255	2.1902	.50342	.49508	.48128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3148.0	48188.	5366.9
Stddev	1.3	38.	3.9
%RSD	.04042	.07953	.07202
#1	3148.9	48215.	5364.2
#2	3147.1	48161.	5369.7

Sample Name: 280-28056-A-1-H Acquired: 5/1/2012 21:58:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00110	219.68	.03213	.12457	2.6888	.01350	-.00660	110.08	.00156	.09016
Stddev	.00001	.38	.00126	.00015	.0043	.00010	.00068	.11	.00004	.00024
%RSD	1.2667	.17449	3.9056	.12397	.16070	.74630	10.383	.09660	2.6376	.27165
#1	-.00109	219.41	.03125	.12447	2.6857	.01343	-.00708	110.00	.00153	.08999
#2	-.00111	219.95	.03302	.12468	2.6918	.01358	-.00611	110.15	.00158	.09033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23579	.10695	237.07	55.194	.12695	58.408	7.0744	.00176	.92560	.19864
Stddev	.00022	.00001	.63	.178	.00018	.269	.0594	.00014	.01416	.00021
%RSD	.09327	.01051	.26629	.32252	.14178	.46010	.83965	7.9800	1.5297	.10507
#1	.23563	.10696	236.62	55.068	.12708	58.598	7.0324	.00166	.93561	.19849
#2	.23594	.10695	237.52	55.320	.12682	58.218	7.1164	.00186	.91559	.19879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.6837	.17239	3.1714	.00374	.01675	4.3940	9.4031	.01825	.34862	.09102
Stddev	.0005	.00082	.0145	.00275	.00725	.0015	.0032	.00067	.00089	.00068
%RSD	.01051	.47811	.45754	73.331	43.259	.03373	.03373	3.6544	.25570	.74354
#1	4.6841	.17181	3.1611	.00569	.01163	4.3929	9.4008	.01778	.34799	.09054
#2	4.6834	.17297	3.1817	.00180	.02188	4.3950	9.4053	.01872	.34925	.09150
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1886	-.00164	F -.28062	.32227	.42227	.06342
Stddev	.0066	.00282	.01871	.00235	.00284	.00151
%RSD	.55809	171.75	6.6685	.72899	.67206	2.3738
#1	1.1933	-.00364	-.29385	.32394	.42427	.06448
#2	1.1839	.00035	-.26738	.32061	.42026	.06236
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3637.5	54299.	6447.4
Stddev	8.7	183.	25.9
%RSD	.23870	.33645	.40213
#1	3643.6	54170.	6465.7
#2	3631.4	54428.	6429.0

Sample Name: sd 280-28056-A-1-H@5 Acquired: 5/1/2012 22:01:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	49.158	.00480	.04504	.59904	.00301	-.00009	24.659	.00055	.02120
Stddev	.00031	.109	.00438	.00040	.00106	.00001	.00017	.016	.00001	.00022
%RSD	388.88	.22267	91.096	.89525	.17693	.47457	193.67	.06647	1.8384	1.0232
#1	-.00014	49.235	.00171	.04476	.59979	.00300	-.00021	24.671	.00054	.02104
#2	.00030	49.080	.00790	.04533	.59829	.00302	.00003	24.648	.00056	.02135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05318	.02299	54.020	12.330	.02775	13.530	1.6526	.00009	.32280	.04643
Stddev	.00019	.00037	.371	.009	.00177	.033	.0020	.00022	.00167	.00006
%RSD	.36356	1.5921	.68716	.06935	6.3958	.24142	.11872	234.79	.51615	.12050
#1	.05331	.02325	54.282	12.324	.02649	13.507	1.6512	-.00006	.32162	.04647
#2	.05304	.02273	53.757	12.336	.02900	13.553	1.6540	.00025	.32398	.04639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0495	.04226	.78600	-.00173	.00307	.95412	2.0418	.00425	.07795	.02154
Stddev	.0040	.00114	.00057	.00174	.00214	.00702	.0150	.00012	.00022	.00099
%RSD	.38532	2.6997	.07249	100.52	69.605	.73596	.73596	2.7706	.28732	4.6026
#1	1.0523	.04306	.78560	-.00050	.00459	.95909	2.0524	.00417	.07811	.02224
#2	1.0466	.04145	.78641	-.00296	.00156	.94915	2.0312	.00433	.07780	.02084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26710	.00078	W -.07147	.07173	.09993	.01288
Stddev	.00035	.00021	.00473	.00014	.00056	.00114
%RSD	.13230	26.677	6.6160	.18836	.56455	8.8217
#1	.26685	.00064	-.06813	.07164	.09953	.01369
#2	.26735	.00093	-.07481	.07183	.10033	.01208
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3427.1	51217.	5769.9
Stddev	3.7	225.	42.8
%RSD	.10670	.43886	.74166
#1	3429.7	51376.	5739.7
#2	3424.5	51058.	5800.2

Sample Name: 280-28056-A-1-I MS Acquired: 5/1/2012 22:03:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04486	382.33	.87311	.95173	4.4148	.05497	F 1.7105	145.32	.08502	.48662
Stddev	.00032	.67	.00397	.00308	.0094	.00003	.0081	.41	.00001	.00030
%RSD	.70712	.17565	.45461	.32378	.21272	.05126	.47613	.28321	.00718	.06245
#1	.04509	382.80	.87031	.94955	4.4214	.05499	1.7047	145.61	.08501	.48640
#2	.04464	381.85	.87592	.95391	4.4081	.05495	1.7162	145.03	.08502	.48683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50808	.34548	266.79	W 140.94	.96045	117.92	7.4917	.77967	43.830	.60754
Stddev	.00112	.00034	.45	.10	.00153	.41	.0050	.00236	.047	.00077
%RSD	.22061	.09772	.16773	.07306	.15978	.35115	.06625	.30260	.10815	.12711
#1	.50728	.34572	267.11	141.01	.96154	117.63	7.4952	.78133	43.864	.60699
#2	.50887	.34524	266.47	140.86	.95936	118.22	7.4882	.77800	43.796	.60809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 12.189	.55521	3.1643	.18516	1.6293	5.1404	11.000	1.4948	1.1883	.96330
Stddev	.030	.00423	.0194	.00183	.0053	.0605	.130	.0027	.0023	.00358
%RSD	.24500	.76264	.61273	.98584	.32535	1.1776	1.1776	.17775	.19335	.37173
#1	12.167	.55221	3.1506	.18645	1.6256	5.1832	11.092	1.4929	1.1899	.96076
#2	12.210	.55820	3.1780	.18387	1.6331	5.0976	10.909	1.4967	1.1867	.96583
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.2269	1.4552	1.5643	.87564	.91576	.43318
Stddev	.0131	.0103	.0335	.00246	.00188	.00121
%RSD	.30968	.71036	2.1385	.28049	.20487	.28018
#1	4.2176	1.4479	1.5406	.87391	.91443	.43404
#2	4.2362	1.4625	1.5879	.87738	.91708	.43232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3512.1	51587.	6412.9
Stddev	5.4	65.	3.2
%RSD	.15398	.12611	.05007
#1	3508.3	51633.	6415.1
#2	3516.0	51541.	6410.6

Sample Name: 280-28056-A-1-J MSD Acquired: 5/1/2012 22:05:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04428	378.75	.86934	.94745	4.3660	.05468	F 1.7048	141.22	.08421	.48223
Stddev	.00001	.19	.00373	.00173	.0052	.00008	.0022	.25	.00007	.00018
%RSD	.01382	.05092	.42903	.18228	.11896	.13766	.13225	.17434	.07944	.03736
#1	.04428	378.89	.87198	.94623	4.3697	.05473	1.7032	141.39	.08425	.48210
#2	.04428	378.61	.86671	.94868	4.3623	.05463	1.7064	141.04	.08416	.48236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49235	.34287	267.11	W 139.40	.95713	116.64	7.4114	.77281	43.693	.59800
Stddev	.00062	.00267	.53	.09	.00050	.23	.0330	.00130	.433	.00084
%RSD	.12502	.77771	.20001	.06198	.05259	.19533	.44543	.16850	.99113	.13977
#1	.49278	.34099	267.49	139.46	.95748	116.80	7.4348	.77189	43.387	.59741
#2	.49191	.34476	266.73	139.34	.95677	116.48	7.3881	.77373	44.000	.59859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 12.165	.55125	3.1310	.17529	1.6182	5.4349	11.631	1.4807	1.1742	.95777
Stddev	.028	.00120	.0027	.00662	.0013	.0366	.078	.0021	.0012	.00065
%RSD	.22916	.21704	.08756	3.7792	.07825	.67381	.67381	.14464	.09909	.06735
#1	12.146	.55041	3.1290	.17061	1.6191	5.4608	11.686	1.4792	1.1750	.95731
#2	12.185	.55210	3.1329	.17998	1.6173	5.4090	11.575	1.4822	1.1734	.95823
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.1166	1.4434	1.5771	.86904	.90841	.42938
Stddev	.0048	.0014	.0497	.00050	.00494	.00463
%RSD	.11753	.09627	3.1525	.05789	.54396	1.0777
#1	4.1132	1.4444	1.5420	.86868	.91190	.43265
#2	4.1200	1.4424	1.6123	.86939	.90491	.42611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3554.5	52102.	6421.7
Stddev	1.1	358.	22.9
%RSD	.02984	.68804	.35592
#1	3555.3	51848.	6405.5
#2	3553.8	52355.	6437.8

Sample Name: pds 280-28056-A-1-H Acquired: 5/1/2012 22:08:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04484	214.89	.22265	.19812	2.7112	.05518	-.00310	123.82	.04779	.13113
Stddev	.00004	.51	.00294	.00136	.0011	.00026	.00021	.67	.00041	.00010
%RSD	.09039	.23618	1.3206	.68897	.04013	.46938	6.7730	.53901	.84890	.07933
#1	.04486	214.53	.22473	.19908	2.7104	.05500	-.00295	123.35	.04750	.13121
#2	.04481	215.25	.22057	.19715	2.7120	.05536	-.00325	124.30	.04808	.13106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27530	.15581	231.17	71.372	.21298	74.625	6.9226	.04427	20.002	.23639
Stddev	.00006	.00013	1.07	.068	.00168	.260	.0492	.00003	.027	.00020
%RSD	.02241	.08457	.46346	.09498	.78711	.34796	.71081	.06067	.13344	.08406
#1	.27525	.15571	230.41	71.324	.21416	74.809	6.9574	.04425	20.020	.23625
#2	.27534	.15590	231.92	71.420	.21179	74.441	6.8878	.04429	19.983	.23653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 6.3143	.25413	3.0797	.08752	.19124	8.3126	17.789	.09925	.38524	.28282
Stddev	.0016	.00118	.0121	.00176	.00206	.0218	.047	.00013	.00002	.00371
%RSD	.02603	.46571	.39163	2.0071	1.0753	.26232	.26232	.12676	.00566	1.3117
#1	6.3154	.25497	3.0882	.08877	.18979	8.3280	17.822	.09934	.38523	.28545
#2	6.3131	.25330	3.0712	.08628	.19270	8.2972	17.756	.09916	.38526	.28020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2120	.16196	.22526	.36223	.59239	.10586
Stddev	.0010	.00166	.00646	.00074	.00631	.00040
%RSD	.08174	1.0259	2.8667	.20455	1.0654	.38121
#1	1.2127	.16313	.22982	.36276	.59685	.10614
#2	1.2113	.16078	.22069	.36171	.58792	.10557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3641.6	54534.	6502.6
Stddev	1.9	207.	24.9
%RSD	.05098	.37921	.38322
#1	3640.3	54387.	6520.3
#2	3643.0	54680.	6485.0

Sample Name: 280-28056-A-2-F Acquired: 5/1/2012 22:10:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00100	280.02	.02940	.11230	5.0098	.01608	-.00247	211.61	.00085	.11701
Stddev	.00015	.54	.00202	.00104	.0119	.00004	.00067	1.14	.00009	.00040
%RSD	15.204	.19456	6.8862	.92234	.23819	.24026	27.068	.53883	11.048	.34282
#1	-.00111	280.40	.02797	.11157	5.0182	.01611	-.00200	210.80	.00092	.11729
#2	-.00090	279.63	.03083	.11303	5.0013	.01605	-.00295	212.42	.00078	.11673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30824	.07343	275.39	55.402	.19207	84.624	8.4270	-.00145	1.0211	.25937
Stddev	.00025	.00018	.21	.076	.00165	.012	.1517	.00008	.0079	.00048
%RSD	.08033	.24178	.07679	.13713	.85706	.01394	1.7997	5.4903	.77723	.18410
#1	.30841	.07356	275.54	55.456	.19324	84.632	8.5342	-.00151	1.0267	.25970
#2	.30806	.07330	275.24	55.348	.19091	84.615	8.3197	-.00140	1.0155	.25903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 6.2521	.19471	2.3692	.00211	.00951	4.0499	8.6667	.01759	.69888	.12253
Stddev	.0027	.00202	.0008	.00266	.00023	.0249	.0532	.00069	.00096	.00075
%RSD	.04338	1.0393	.03491	126.11	2.3814	.61421	.61421	3.9266	.13756	.61309
#1	6.2502	.19614	2.3698	.00023	.00935	4.0323	8.6291	.01808	.69956	.12306
#2	6.2540	.19328	2.3686	.00400	.00967	4.0675	8.7044	.01710	.69820	.12200
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.81652	.00065	F -.31345	.31695	.43728	.06434
Stddev	.00012	.00305	.01554	.00132	.00204	.00092
%RSD	.01511	465.86	4.9585	.41750	.46555	1.4272
#1	.81661	.00281	-.30246	.31789	.43872	.06369
#2	.81644	-.00150	-.32444	.31601	.43584	.06499
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3746.4	55048.	6762.2
Stddev	11.8	233.	10.3
%RSD	.31594	.42324	.15233
#1	3738.0	54883.	6754.9
#2	3754.7	55213.	6769.4

Sample Name: 280-28056-A-3-F Acquired: 5/1/2012 22:12:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	145.16	.03966	.06282	1.7339	.00897	-.00365	57.911	.00121	.05108
Stddev	.00009	.33	.00219	.00096	.0022	.00005	.00056	.095	.00004	.00017
%RSD	30.468	.23011	5.5094	1.5209	.12660	.53475	15.388	.16473	3.0420	.32618
#1	.00037	144.92	.03811	.06349	1.7324	.00900	-.00325	57.843	.00124	.05120
#2	.00024	145.40	.04120	.06214	1.7355	.00893	-.00405	57.978	.00118	.05096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11835	.11195	128.52	21.421	.08791	24.224	3.4477	.00237	.48178	.08230
Stddev	.00018	.00031	.05	.088	.00175	.019	.0077	.00003	.01830	.00009
%RSD	.15344	.27594	.03916	.41047	1.9928	.07849	.22276	1.1991	3.7984	.10417
#1	.11822	.11174	128.55	21.359	.08667	24.211	3.4423	.00239	.49471	.08224
#2	.11848	.11217	128.48	21.483	.08915	24.238	3.4531	.00235	.46884	.08236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.4367	.13645	2.4174	.00053	.00357	4.1700	8.9237	.01241	1.2722	.05639
Stddev	.0005	.00103	.0032	.00466	.00049	.0323	.0690	.00101	.0022	.00244
%RSD	.01926	.75237	.13187	875.69	13.614	.77331	.77331	8.1658	.17227	4.3253
#1	2.4370	.13572	2.4196	-.00276	.00392	4.1928	8.9725	.01169	1.2706	.05467
#2	2.4363	.13717	2.4151	.00383	.00323	4.1472	8.8749	.01312	1.2737	.05812
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.54545	-.00076	F -.16050	.24194	.26620	.04780
Stddev	.00218	.00092	.03814	.00018	.00057	.00072
%RSD	.40041	120.22	23.764	.07454	.21323	1.5153
#1	.54391	-.00011	-.13353	.24206	.26580	.04729
#2	.54700	-.00141	-.18747	.24181	.26660	.04832
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3500.9	52802.	6063.5
Stddev	4.7	157.	27.4
%RSD	.13305	.29821	.45156
#1	3497.6	52690.	6082.9
#2	3504.2	52913.	6044.1

Sample Name: 280-28056-A-4-F Acquired: 5/1/2012 22:15:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	167.94	.04463	.05777	2.6780	.01011	-.00240	124.32	.00102	.06128
Stddev	.00031	.34	.00296	.00036	.0047	.00000	.00027	.33	.00008	.00019
%RSD	84.793	.20346	6.6324	.61802	.17416	.03109	11.419	.26507	7.8823	.31710
#1	-.00058	167.70	.04673	.05751	2.6747	.01010	-.00259	124.09	.00096	.06114
#2	-.00015	168.18	.04254	.05802	2.6813	.01011	-.00221	124.55	.00107	.06142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14140	.13631	142.12	26.134	.08866	31.240	8.3818	.00111	.55164	.11702
Stddev	.00071	.00085	.51	.040	.00044	.106	.0159	.00033	.00020	.00099
%RSD	.50535	.62002	.35744	.15450	.49247	.34013	.19009	29.857	.03597	.84930
#1	.14191	.13691	141.77	26.106	.08897	31.315	8.3705	.00134	.55178	.11772
#2	.14090	.13572	142.48	26.163	.08835	31.165	8.3930	.00087	.55150	.11632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1277	.11839	1.6036	.00014	.00271	4.3717	9.3554	.01306	.59618	.07563
Stddev	.0081	.00234	.0055	.00055	.00140	.0246	.0527	.00146	.00139	.00237
%RSD	.38086	1.9774	.34345	396.95	51.824	.56332	.56332	11.151	.23336	3.1370
#1	2.1334	.12004	1.6075	.00053	.00172	4.3543	9.3181	.01409	.59519	.07731
#2	2.1219	.11673	1.5997	-.00025	.00370	4.3891	9.3927	.01203	.59716	.07395
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44437	-.00228	F -.24468	.25838	.25781	.05474
Stddev	.00262	.00040	.02012	.00012	.00101	.00201
%RSD	.58877	17.386	8.2218	.04726	.39318	3.6630
#1	.44622	-.00256	-.23046	.25829	.25853	.05616
#2	.44252	-.00200	-.25891	.25847	.25710	.05332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3588.0	53089.	6336.9
Stddev	13.9	106.	19.3
%RSD	.38612	.19899	.30410
#1	3578.2	53014.	6350.6
#2	3597.8	53164.	6323.3

Sample Name: CCVH-1390999 Acquired: 5/1/2012 22:17:36 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00129	48.515	.00079	.01657	.00102	.00011	1.0204	.01631	.00003	.00029	.00029	-.00521
Stddev	.00006	.004	.00634	.00026	.00005	.00004	.0065	.00325	.00004	.00002	.00017	.00017
%RSD	4.7257	.00778	805.10	1.5634	5.2524	36.620	.63229	19.945	148.82	8.0471	58.287	3.3485
#1	-.00125	48.512	-.00370	.01638	.00105	.00008	1.0159	.01401	.00006	.00027	.00017	-.00533
#2	-.00133	48.517	.00527	.01675	.00098	.00014	1.0250	.01861	.00000	.00030	.00041	-.00509
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.376	.09986	.00239	-.02264	.00073	.00017	244.44	.00140	.00290	-.00064	5.0951	-.00038
Stddev	.065	.03902	.00080	.00019	.00011	.00011	.13	.00005	.00069	.00097	.0119	.00184
%RSD	.13338	39.078	33.544	.84071	15.742	62.374	.05343	3.7355	23.899	153.02	.23382	477.09
#1	48.330	.07226	.00295	-.02251	.00081	.00025	244.53	.00136	.00339	-.00133	5.0866	.00091
#2	48.422	.12745	.00182	-.02278	.00065	.00010	244.35	.00143	.00241	.00005	5.1035	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00450	-.00175	-.00374	.00327	.00044	5.1415	.00788	.00068	W 10.588	-.00439	.00235	-.05250
Stddev	.00209	.00507	.01085	.00065	.00004	.0334	.00007	.00058	.042	.00006	.00038	.00696
%RSD	46.452	290.21	290.21	19.825	8.6076	.64920	.92301	84.799	.39486	1.4406	15.952	13.256
#1	.00302	-.00533	-.01141	.00281	.00046	5.1651	.00783	.00109	10.617	-.00443	.00209	-.05742
#2	.00597	.00184	.00393	.00372	.00041	5.1179	.00793	.00027	10.558	-.00434	.00262	-.04758
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3243.0	48731.	5439.6
Stddev	9.0	194.	4.1
%RSD	.27655	.39778	.07554
#1	3249.3	48594.	5436.7
#2	3236.6	48869.	5442.5

Sample Name: CCV-1390955 Acquired: 5/1/2012 22:19:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50858	.49511	1.0045	.50011	.49645	.46367	-.00317	4.7118	.50528	.50041	.50452	.52015	2.4249
Stddev	.00239	.00058	.0019	.00163	.00022	.00089	.00270	.0044	.00005	.00010	.00015	.00307	.0002
%RSD	.47009	.11775	.19139	.32576	.04527	.19216	84.899	.09263	.00968	.01931	.03043	.59042	.00932
#1	.50689	.49552	1.0031	.49896	.49660	.46304	-.00127	4.7087	.50525	.50034	.50441	.51798	2.4251
#2	.51027	.49470	1.0058	.50127	.49629	.46430	-.00508	4.7149	.50532	.50048	.50462	.52233	2.4248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.729	.96003	19.641	.50399	.50280	4.8187	.49890	.95488	1.0335	.05499	.97752	1.0124	4.6389
Stddev	.053	.00691	.072	.00173	.00097	.0118	.00049	.00040	.0024	.00503	.00033	.0008	.0063
%RSD	.10852	.72011	.36862	.34255	.19225	.24387	.09882	.04172	.23007	9.1392	.03343	.07781	.13693
#1	48.767	.95514	19.589	.50276	.50348	4.8104	.49855	.95459	1.0352	.05855	.97776	1.0129	4.6434
#2	48.692	.96491	19.692	.50521	.50211	4.8271	.49925	.95516	1.0318	.05144	.97729	1.0118	4.6344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9272	.99974	.48983	.00054	.49186	1.0284	.00547	.50324	.51101	.49423
Stddev	.0136	.00100	.00042	.00061	.00200	.0027	.00274	.00260	.00075	.00280
%RSD	.13693	.09964	.08613	112.93	.40649	.26706	50.090	.51641	.14759	.56594
#1	9.9368	1.0004	.49013	.00098	.49045	1.0264	.00740	.50140	.51047	.49621
#2	9.9176	.99903	.48953	.00011	.49327	1.0303	.00353	.50507	.51154	.49225
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3291.3	50261.	5455.9
Stddev	3.6	137.	6.1
%RSD	.10912	.27262	.11124
#1	3288.8	50358.	5460.2
#2	3293.9	50164.	5451.6

Sample Name: CCB Acquired: 5/1/2012 22:22:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00001	-.00223	F .01341	.00010	.00009	-.00264	.01210	.00002	.00007	.00004	-.00081
Stddev	.00010	.00002	.00339	.00013	.00008	.00000	.00346	.00077	.00011	.00009	.00004	.00018
%RSD	33.949	309.82	151.91	.99985	81.581	.02908	131.19	6.3730	524.92	122.92	97.024	22.023
#1	.00023	.00002	.00017	.01331	.00016	.00009	-.00019	.01265	-.00006	.00013	.00008	-.00069
#2	.00037	-.00001	-.00464	.01350	.00004	.00009	-.00509	.01156	.00010	.00001	.00001	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00038	.08899	.00211	.00155	.00005	.00073	W .12663	-.00040	-.00278	-.00119	.05576	.00041
Stddev	.00026	.05386	.00046	.00204	.00004	.00043	.00301	.00028	.00034	.00078	.00048	.00271
%RSD	66.351	60.519	21.605	130.99	72.457	58.231	2.3746	70.966	12.369	65.016	.86806	666.11
#1	-.00020	.12707	.00244	.00011	.00003	.00043	.12450	-.00060	-.00303	-.00174	.05610	-.00151
#2	-.00057	.05091	.00179	.00299	.00008	.00103	.12876	-.00020	-.00254	-.00064	.05541	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00214	-.02352	-.05034	.00099	.00014	.00158	.00010	.00156	.02310	-.00074	.00442	.00013
Stddev	.00136	.00127	.00271	.00039	.00002	.00022	.00030	.00112	.02112	.00069	.00020	.00124
%RSD	63.447	5.3918	5.3918	39.335	13.572	13.844	303.15	71.924	91.400	93.411	4.4814	960.37
#1	-.00311	-.02263	-.04842	.00071	.00013	.00174	-.00011	.00236	.03803	-.00025	.00456	-.00075
#2	-.00118	-.02442	-.05226	.00126	.00015	.00143	.00031	.00077	.00817	-.00123	.00428	.00101
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3313.2	50784.	5395.0
Stddev	4.6	45.	35.8
%RSD	.13736	.08894	.66312
#1	3310.0	50752.	5420.3
#2	3316.4	50815.	5369.7

Sample Name: CCVL1390952 Acquired: 5/1/2012 22:24:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01059	.10202	.01449	.10965	.01032	.00103	.11361	.18895	.00506	.01001	.01019	.01531	.09636
Stddev	.00025	.00019	.00199	.00082	.00009	.00001	.00254	.00064	.00004	.00012	.00014	.00006	.00264
%RSD	2.3965	.18618	13.746	.74951	.91433	.77856	2.2324	.34048	.70076	1.2150	1.3668	.42237	2.7359
#1	.01077	.10216	.01308	.11023	.01025	.00104	.11182	.18940	.00508	.00993	.01028	.01526	.09823
#2	.01041	.10189	.01590	.10907	.01039	.00103	.11540	.18849	.00503	.01010	.01009	.01535	.09450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0398	.00962	.20960	.01054	.01979	1.0926	.04096	2.8005	.00883	.03604	.00924	.01544	.44802
Stddev	.0323	.00239	.00064	.00005	.00001	.0137	.00021	.0002	.00000	.00456	.00017	.00158	.00729
%RSD	1.0640	24.864	.30563	.48820	.03157	1.2568	.50896	.00742	.01437	12.648	1.8112	10.261	1.6268
#1	3.0169	.01131	.20915	.01057	.01979	1.0828	.04111	2.8003	.00883	.03926	.00912	.01432	.45317
#2	3.0626	.00793	.21005	.01050	.01979	1.1023	.04081	2.8006	.00883	.03281	.00936	.01656	.44286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95876	.10290	.00999	.01675	.01028	.01769	F .08944	.00968	.02242	.01504
Stddev	.01560	.00049	.00001	.00349	.00010	.00014	.01272	.00018	.00034	.00055
%RSD	1.6268	.47539	.13648	20.821	.98378	.81702	14.227	1.9014	1.5131	3.6875
#1	.96979	.10256	.00998	.01921	.01035	.01759	.08044	.00955	.02218	.01543
#2	.94773	.10325	.01000	.01428	.01021	.01779	.09843	.00981	.02266	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3381.5	51756.	5512.6
Stddev	3.5	297.	1.2
%RSD	.10211	.57326	.02250
#1	3379.1	51966.	5513.4
#2	3384.0	51547.	5511.7

Sample Name: MB 280-117241/1-A Acquired: 5/1/2012 22:26:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00256	-.00212	F .01129	.00056	.00007	-.00279	.08307	.00044	-.00014
Stddev	.00040	.00038	.00186	.00072	.00012	.00001	.00110	.00129	.00010	.00015
%RSD	228.24	14.763	87.618	6.3842	21.977	16.995	39.511	1.5582	23.062	102.09
#1	-.00011	.00230	-.00081	.01179	.00064	.00006	-.00356	.08216	.00037	-.00004
#2	.00045	.00283	-.00344	.01078	.00047	.00008	-.00201	.08399	.00051	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00035	.01110	.05626	-.00043	.00967	.00027	.00002	.36453	-.00042
Stddev	.00016	.00012	.00221	.01392	.00218	.00020	.00003	.00006	.00150	.00008
%RSD	43.343	35.084	19.949	24.741	513.53	2.0513	12.896	240.13	.41143	19.799
#1	.00049	.00026	.01267	.06611	-.00197	.00981	.00024	-.00002	.36559	-.00036
#2	.00026	.00043	.00954	.04642	.00112	.00953	.00029	.00007	.36347	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00737	.00026	F .10417	-.00152	.00306	W .00954	.02041	.00826	.00016	.00155
Stddev	.00136	.00179	.00241	.00223	.00298	.00321	.00687	.00006	.00003	.00250
%RSD	18.479	693.35	2.3184	146.89	97.355	33.637	33.637	.77931	21.190	160.99
#1	.00641	.00152	.10246	-.00310	.00517	.00727	.01556	.00821	.00018	-.00021
#2	.00834	-.00101	.10587	.00006	.00095	.01181	.02527	.00830	.00014	.00332
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.00500				
Low Limit	-.00500		-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00003	-.00316	-.00040	.00308	.00011
Stddev	.00007	.00126	.00738	.00023	.00026	.00172
%RSD	17.222	3857.0	233.40	58.528	8.3294	1602.6
#1	.00044	-.00092	.00206	-.00023	.00290	.00132
#2	.00035	.00085	-.00838	-.00056	.00326	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3365.1	51960.	5564.7
Stddev	6.6	155.	1.9
%RSD	.19584	.29924	.03472
#1	3369.8	51850.	5563.3
#2	3360.5	52070.	5566.0

Sample Name: LCS 280-117241/2-A Acquired: 5/1/2012 22:29:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04980	1.8105	.99881	.92946	1.9342	.04560	2.0627	45.254	.09782	.47689
Stddev	.00021	.0014	.00850	.00006	.0002	.00002	.0035	.017	.00029	.00062
%RSD	.41447	.07985	.85116	.00677	.01064	.03979	.17077	.03824	.29987	.12991
#1	.04994	1.8115	.99279	.92941	1.9343	.04561	2.0602	45.266	.09762	.47645
#2	.04965	1.8095	1.0048	.92950	1.9340	.04559	2.0652	45.242	.09803	.47733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19544	.25415	.95580	47.821	.94609	46.630	.48890	.98447	49.679	.47608
Stddev	.00001	.00170	.00501	.073	.00016	.174	.00094	.00078	.218	.00017
%RSD	.00278	.66790	.52458	.15232	.01658	.37306	.19244	.07879	.43954	.03517
#1	.19544	.25295	.95935	47.873	.94620	46.507	.48823	.98392	49.525	.47596
#2	.19543	.25535	.95226	47.770	.94598	46.753	.48956	.98501	49.834	.47620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4711	.48413	.11512	.46248	1.9543	1.1368	F 2.4328	1.9409	.96748	.99631
Stddev	.0139	.00012	.00212	.00014	.0012	.0049	.0106	.0054	.00039	.00034
%RSD	.14650	.02492	1.8410	.03049	.05917	.43410	.43410	.27987	.04031	.03365
#1	9.4613	.48405	.11363	.46238	1.9551	1.1333	2.4253	1.9448	.96776	.99608
#2	9.4809	.48422	.11662	.46258	1.9535	1.1403	2.4403	1.9371	.96721	.99655
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96947	1.9249	2.1402	.49639	.48996	.47195
Stddev	.00127	.0028	.0096	.00066	.00029	.00204
%RSD	.13148	.14657	.44671	.13229	.05988	.43318
#1	.96857	1.9230	2.1469	.49593	.48975	.47340
#2	.97037	1.9269	2.1334	.49686	.49017	.47050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3183.2	48792.	5450.1
Stddev	4.4	70.	7.8
%RSD	.13919	.14293	.14398
#1	3180.0	48742.	5444.5
#2	3186.3	48841.	5455.6

Sample Name: 280-28177-D-19-A Acquired: 5/1/2012 22:31:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	6.2350	-.00003	.02624	.02628	.00035	-.00331	1.7353	.00048	.00042
Stddev	.00019	.0045	.00078	.00021	.00026	.00002	.00274	.0032	.00025	.00007
%RSD	44.550	.07251	2389.8	.79898	.98855	6.7195	82.676	.18601	51.352	16.767
#1	.00029	6.2318	.00052	.02639	.02609	.00037	-.00138	1.7376	.00031	.00037
#2	.00056	6.2382	-.00059	.02609	.02646	.00033	-.00525	1.7330	.00065	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01342	.06381	4.0138	1.2862	.01262	3.0955	.03229	.00196	20.602	.00289
Stddev	.00016	.00024	.0274	.0278	.00123	.0077	.00007	.00054	.269	.00011
%RSD	1.1658	.37979	.68158	2.1627	9.7446	.25003	.22865	27.323	1.3065	3.8491
#1	.01353	.06364	4.0332	1.3058	.01349	3.0900	.03224	.00158	20.792	.00281
#2	.01331	.06398	3.9945	1.2665	.01175	3.1009	.03235	.00234	20.412	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35687	.02075	2.8704	.00059	.00155	1.7175	3.6754	.00600	.05364	.00513
Stddev	.00267	.00118	.0063	.00242	.00361	.0178	.0381	.00111	.00031	.00046
%RSD	.74700	5.6912	.21835	409.34	232.90	1.0360	1.0360	18.569	.57821	9.0007
#1	.35875	.01992	2.8748	.00230	-.00100	1.7300	3.7023	.00521	.05386	.00480
#2	.35498	.02159	2.8659	-.00112	.00410	1.7049	3.6484	.00678	.05342	.00546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30346	.00031	.00117	.01304	.04399	.00522
Stddev	.00107	.00010	.01139	.00015	.00031	.00017
%RSD	.35143	30.678	973.29	1.1244	.70269	3.1709
#1	.30421	.00038	.00922	.01293	.04421	.00534
#2	.30270	.00025	-.00688	.01314	.04377	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3352.0	51179.	5578.2
Stddev	10.1	87.	21.9
%RSD	.30186	.16998	.39345
#1	3359.2	51240.	5562.7
#2	3344.9	51117.	5593.7

Sample Name: 280-28177-B-20-A Acquired: 5/1/2012 22:33:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	6.5486	.00000	.02413	.02803	.00040	-.00443	9.1088	.00048	.00021
Stddev	.00005	.0156	.0051	.00024	.00015	.00004	.00110	.0628	.00001	.00004
%RSD	108.20	.23776	159590.	.99612	.53668	9.7347	24.913	.68990	1.4506	20.358
#1	.00001	6.5376	.00359	.02396	.02813	.00042	-.00521	9.0643	.00048	.00024
#2	.00008	6.5597	-.00360	.02430	.02792	.00037	-.00365	9.1532	.00047	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01658	.15503	6.2757	1.2589	.01063	2.9275	.04781	.00103	19.223	.00247
Stddev	.00008	.00008	.0055	.0255	.00066	.0112	.00003	.00015	.277	.00011
%RSD	.47152	.05252	.08702	2.0275	6.2304	.38209	.06718	14.460	1.4416	4.4978
#1	.01653	.15509	6.2718	1.2770	.01017	2.9354	.04783	.00114	19.027	.00255
#2	.01664	.15498	6.2795	1.2409	.01110	2.9196	.04779	.00092	19.419	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45691	.03337	2.8322	-.00102	.00096	1.7738	3.7959	.00530	.13372	.00977
Stddev	.00242	.00111	.0013	.00093	.00101	.0251	.0537	.00063	.00026	.00109
%RSD	.52868	3.3402	.04548	91.754	105.39	1.4135	1.4135	11.893	.19338	11.184
#1	.45520	.03416	2.8313	-.00036	.00025	1.7915	3.8339	.00485	.13353	.00899
#2	.45862	.03258	2.8331	-.00168	.00168	1.7561	3.7580	.00574	.13390	.01054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39684	-.00126	.01610	.01567	.06160	.00450
Stddev	.00514	.00217	.00794	.00034	.00006	.00031
%RSD	1.2958	172.37	49.323	2.1764	.09066	6.9581
#1	.40047	-.00280	.02172	.01591	.06164	.00472
#2	.39320	.00028	.01049	.01543	.06156	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3355.9	51482.	5587.4
Stddev	4.1	27.	33.8
%RSD	.12240	.05248	.60537
#1	3358.8	51463.	5611.4
#2	3353.0	51501.	5563.5

Sample Name: 280-28177-B-21-A Acquired: 5/1/2012 22:36:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	5.9054	.00262	.01975	.03655	.00056	-.00167	1.0961	.00037	.00061
Stddev	.00018	.0331	.00092	.00015	.00053	.00009	.00106	.0050	.00028	.00003
%RSD	79.577	.55986	35.318	.76324	1.4401	16.222	63.268	.45799	75.706	4.4200
#1	.00035	5.9288	.00196	.01964	.03692	.00063	-.00242	1.0996	.00057	.00059
#2	.00010	5.8820	.00327	.01986	.03618	.00050	-.00092	1.0925	.00017	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02895	.23477	6.2699	1.1667	.00832	2.3207	.12070	.00077	15.477	.00669
Stddev	.00017	.00203	.0274	.0080	.00098	.0165	.00057	.00029	.295	.00029
%RSD	.57056	.86406	.43731	.68860	11.770	.70982	.47296	37.614	1.9063	4.3773
#1	.02906	.23334	6.2892	1.1724	.00763	2.3090	.12030	.00057	15.268	.00690
#2	.02883	.23620	6.2505	1.1610	.00902	2.3323	.12110	.00098	15.685	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.65207	.06429	1.7615	-.00273	.00110	1.3168	2.8179	.00494	.07291	.00984
Stddev	.00624	.00004	.0001	.00089	.00171	.0041	.0089	.00034	.00026	.00091
%RSD	.95631	.06083	.00811	32.710	155.68	.31467	.31467	6.8893	.36282	9.2897
#1	.64766	.06432	1.7616	-.00336	-.00011	1.3197	2.8241	.00518	.07310	.00920
#2	.65647	.06426	1.7614	-.00210	.00230	1.3138	2.8116	.00470	.07273	.01049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.74434	-.00076	-.03115	.01936	.09952	.00791
Stddev	.00555	.00224	.03322	.00061	.00015	.00028
%RSD	.74522	296.19	106.63	3.1289	.15097	3.4846
#1	.74041	.00083	-.05464	.01893	.09963	.00771
#2	.74826	-.00234	-.00766	.01979	.09942	.00810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3375.8	51812.	5507.3
Stddev	15.8	287.	8.7
%RSD	.46735	.55488	.15706
#1	3364.6	52015.	5513.5
#2	3386.9	51608.	5501.2

Sample Name: sd 28177-B-21-A@5 Acquired: 5/1/2012 22:38:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	1.2557	-.00198	.01146	.00803	.00018	-.00286	.23356	.00025	.00006
Stddev	.00021	.0015	.00017	.00122	.00002	.00002	.00333	.00121	.00003	.00005
%RSD	80.147	.11643	8.4676	10.661	.28151	11.992	116.28	.51667	12.733	84.644
#1	.00040	1.2568	-.00186	.01232	.00802	.00016	-.00521	.23442	.00027	.00009
#2	.00011	1.2547	-.00210	.01060	.00805	.00019	-.00051	.23271	.00023	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00621	.04760	1.2958	.28888	.00358	.49031	.02539	.00014	3.0655	.00076
Stddev	.00052	.00010	.0063	.00997	.00038	.00034	.00014	.00048	.0000	.00015
%RSD	8.3738	.21920	.49034	3.4530	10.479	.06846	.53927	337.06	.00029	19.491
#1	.00585	.04753	1.2913	.28183	.00332	.49054	.02548	-.00020	3.0655	.00065
#2	.00658	.04767	1.3003	.29593	.00385	.49007	.02529	.00048	3.0655	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13560	.01293	.38583	-.00305	.00580	.27139	.58077	.00115	.01508	.00206
Stddev	.00387	.00044	.00689	.00307	.00323	.00802	.01716	.00133	.00006	.00094
%RSD	2.8537	3.3965	1.7854	100.58	55.655	2.9546	2.9546	115.76	.38324	45.559
#1	.13833	.01324	.39070	-.00522	.00352	.26572	.56863	.00021	.01504	.00140
#2	.13286	.01262	.38096	-.00088	.00808	.27706	.59290	.00209	.01512	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15174	.00177	.01401	.00367	.02324	.00055
Stddev	.00035	.00010	.01212	.00012	.00096	.00202
%RSD	.23138	5.8618	86.517	3.2018	4.1331	368.90
#1	.15199	.00184	.02258	.00358	.02256	.00197
#2	.15149	.00170	.00544	.00375	.02392	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3346.1	51074.	5427.1
Stddev	7.9	316.	4.4
%RSD	.23626	.61879	.08108
#1	3340.5	50851.	5424.0
#2	3351.7	51298.	5430.2

Sample Name: CCVH-1390999 Acquired: 5/1/2012 22:41:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00130	48.937	-.00129	.01006	.00029	.00010	1.0250	.00476	.00014	.00038	.00041	-.00485
Stddev	.00011	.029	.00419	.00023	.00015	.00004	.0111	.00220	.00012	.00024	.00008	.00002
%RSD	8.1218	.06019	325.99	2.2543	52.035	42.566	1.0804	46.271	89.892	62.776	18.607	.39034
#1	-.00122	48.916	-.00425	.01022	.00018	.00013	1.0329	.00320	.00023	.00021	.00036	-.00484
#2	-.00137	48.958	.00168	.00990	.00039	.00007	1.0172	.00631	.00005	.00055	.00046	-.00486
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.736	.03298	.00441	-.02499	.00011	.00039	245.58	.00088	.00061	-.00073	5.0474	-.00190
Stddev	.002	.03087	.00233	.00222	.00008	.00024	.82	.00022	.00132	.00006	.0067	.00018
%RSD	.00503	93.596	52.929	8.8882	75.934	60.639	.33351	24.488	216.63	7.9194	.13256	9.4843
#1	48.734	.01115	.00606	-.02342	.00005	.00022	245.00	.00103	-.00032	-.00077	5.0521	-.00202
#2	48.738	.05481	.00276	-.02656	.00016	.00056	246.16	.00073	.00154	-.00069	5.0426	-.00177
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00495	-.00155	-.00332	.00120	.00036	5.1582	.00820	-.00004	W 10.624	-.00411	.00210	-.04875
Stddev	.00047	.01447	.03097	.00016	.00003	.0170	.00007	.00079	.079	.00002	.00013	.00030
%RSD	9.4571	934.21	934.21	13.201	7.0229	.32869	.79652	1892.9	.74019	.55178	6.2174	.62251
#1	.00462	.00868	.01859	.00131	.00035	5.1462	.00815	-.00060	10.568	-.00412	.00219	-.04853
#2	.00528	-.01178	-.02522	.00108	.00038	5.1702	.00824	.00051	10.679	-.00409	.00201	-.04896
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3184.8	47699.	5329.3
Stddev	7.7	35.	.4
%RSD	.24201	.07331	.00724
#1	3190.2	47724.	5329.1
#2	3179.3	47674.	5329.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 22:43:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50535	.48891	.99541	.48767	.49555	.46155	-.00078	4.7010	.50237	.49727	.50145	.51897	2.4232
Stddev	.00260	.00349	.00227	.00064	.00090	.00073	.00032	.0215	.00241	.00154	.00202	.00306	.0210
%RSD	.51419	.71450	.22851	.13213	.18091	.15875	40.676	.45768	.47890	.30994	.40326	.58894	.86868
#1	.50719	.48644	.99381	.48721	.49492	.46207	-.00100	4.7162	.50067	.49618	.50002	.52113	2.4381
#2	.50351	.49138	.99702	.48812	.49618	.46103	-.00055	4.6858	.50407	.49836	.50288	.51680	2.4083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.702	.96039	19.474	.50197	.49813	4.7838	.49554	.94090	1.0313	.03724	.96606	1.0021	4.6128
Stddev	.006	.00177	.116	.00347	.00229	.0152	.00261	.00733	.0073	.00229	.00466	.0008	.0180
%RSD	.01319	.18409	.59599	.69132	.46007	.31769	.52764	.77896	.70717	6.1453	.48230	.07953	.38925
#1	48.698	.95914	19.556	.50442	.49651	4.7731	.49369	.93572	1.0262	.03885	.96276	1.0015	4.6255
#2	48.707	.96164	19.392	.49952	.49975	4.7946	.49739	.94608	1.0365	.03562	.96935	1.0026	4.6001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8713	.99823	.48887	.00079	.48832	1.0194	.00166	.50120	.50966	.49400
Stddev	.0384	.00578	.00006	.00048	.00221	.0023	.00975	.00202	.00282	.00300
%RSD	.38925	.57911	.01298	61.487	.45230	.22348	588.63	.40380	.55288	.60669
#1	9.8985	.99414	.48883	.00113	.48988	1.0178	.00855	.50263	.51165	.49612
#2	9.8442	1.0023	.48892	.00045	.48675	1.0210	-.00524	.49977	.50767	.49188
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3261.3	49665.	5329.5
Stddev	8.1	153.	13.2
%RSD	.24774	.30715	.24821
#1	3267.0	49557.	5320.2
#2	3255.6	49773.	5338.9

Sample Name: CCB Acquired: 5/1/2012 22:45:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00011	-.00336	F .00776	.00010	.00014	-.00157	-.00176	.00018	-.00006	-.00011	-.00100
Stddev	.00006	.00034	.00083	.00030	.00007	.00012	.00274	.00353	.00000	.00031	.00008	.00008
%RSD	16.420	322.08	24.699	3.8103	70.634	84.066	174.53	201.04	1.7422	520.25	72.294	7.9223
#1	.00034	.00035	-.00278	.00755	.00005	.00022	-.00350	-.00426	.00018	.00016	-.00005	-.00094
#2	.00043	-.00014	-.00395	.00797	.00015	.00006	.00037	.00074	.00017	-.00028	-.00017	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00092	.04221	.00084	.00185	.00003	.00105	W .10736	-.00025	.00228	-.00094	.03109	.00142
Stddev	.00426	.04161	.00075	.00193	.00002	.00030	.00104	.00000	.00005	.00081	.00076	.00160
%RSD	463.35	98.574	88.930	104.64	67.337	28.665	.97076	1.2548	1.9878	86.569	2.4469	112.84
#1	-.00393	.01279	.00137	.00048	.00004	.00084	.10663	-.00024	.00231	-.00151	.03163	.00029
#2	.00209	.07163	.00031	.00321	.00001	.00127	.10810	-.00025	.00225	-.00036	.03055	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00565	-.00977	-.02092	.00100	.00008	-.00115	.00030	-.00065	.02688	-.00060	.00147	.00142
Stddev	.00391	.00929	.01988	.00077	.00011	.00037	.00009	.00125	.01486	.00018	.00006	.00097
%RSD	69.166	95.041	95.041	77.398	138.90	31.962	30.942	192.64	55.279	30.201	4.1193	67.953
#1	.00289	-.00321	-.00686	.00045	.00000	-.00140	.00037	-.00154	.03739	-.00047	.00142	.00210
#2	.00842	-.01634	-.03498	.00154	.00016	-.00089	.00024	.00024	.01637	-.00073	.00151	.00074
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3302.6	50212.	5340.3
Stddev	6.6	134.	4.8
%RSD	.19963	.26615	.08926
#1	3298.0	50307.	5343.6
#2	3307.3	50118.	5336.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 22:48:01 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01043	.10219	.01133	.10305	.01022	.00094	.11543	.18760	.00514	.01021	.01003	.01518	.09339
Stddev	.00001	.00044	.00178	.00115	.00019	.00003	.00350	.00153	.00019	.00000	.00032	.00020	.00046
%RSD	.06157	.43221	15.722	1.1191	1.8907	3.4571	3.0286	.81805	3.6388	.04009	3.2229	1.3349	.49038
#1	.01043	.10188	.01007	.10224	.01036	.00092	.11295	.18651	.00527	.01021	.00981	.01503	.09372
#2	.01044	.10250	.01259	.10387	.01009	.00097	.11790	.18868	.00501	.01021	.01026	.01532	.09307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0215	.01169	.20724	.01047	.02001	1.0695	.03997	2.7834	.00943	.01952	F .00697	.01464	.44351
Stddev	.0126	.00208	.00276	.00002	.00009	.0138	.00017	.0090	.00069	.00720	.00214	.00240	.00227
%RSD	.41838	17.820	1.3302	.23703	.43994	1.2917	.42546	.32325	7.3433	36.864	30.690	16.403	.51076
#1	3.0305	.01021	.20529	.01049	.01995	1.0597	.03985	2.7898	.00991	.01443	.00546	.01633	.44511
#2	3.0126	.01316	.20919	.01045	.02007	1.0793	.04009	2.7770	.00894	.02461	.00848	.01294	.44191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94911	.10237	.00982	.01482	.00983	.01941	F .09166	.00923	.02315	.01347
Stddev	.00485	.00018	.00019	.00006	.00054	.00215	.00432	.00025	.00037	.00216
%RSD	.51076	.17665	1.9326	.39386	5.4867	11.081	4.7148	2.7033	1.5991	16.021
#1	.95254	.10224	.00969	.01478	.00944	.01789	.08861	.00905	.02341	.01500
#2	.94569	.10249	.00995	.01486	.01021	.02093	.09472	.00940	.02289	.01194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3379.6	51454.	5466.5
Stddev	3.8	71.	20.2
%RSD	.11382	.13742	.37027
#1	3382.3	51404.	5452.1
#2	3376.9	51504.	5480.8

Sample Name: 280-28177-B-21-B MS Acquired: 5/1/2012 22:50:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04815	11.591	.92921	.88848	1.8987	.04404	F 1.9438	44.268	.09267	.45303
Stddev	.00044	.022	.00801	.00187	.0050	.00004	.0058	.059	.00034	.00132
%RSD	.91942	.18826	.86194	.21096	.26277	.08903	.29836	.13226	.36908	.29213
#1	.04846	11.607	.93487	.88981	1.9022	.04401	1.9479	44.227	.09292	.45397
#2	.04784	11.576	.92354	.88716	1.8952	.04407	1.9397	44.310	.09243	.45210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21361	.53491	7.1303	47.553	.90151	48.098	.58307	.91120	60.813	.45386
Stddev	.00034	.00199	.0142	.003	.00237	.209	.00194	.00259	.080	.00200
%RSD	.16005	.37136	.19974	.00630	.26281	.43487	.33222	.28424	.13208	.44003
#1	.21385	.53631	7.1203	47.551	.90319	48.246	.58444	.91304	60.870	.45528
#2	.21337	.53350	7.1404	47.555	.89984	47.951	.58170	.90937	60.756	.45245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.6177	.53877	1.5632	.42081	1.8332	3.4515	7.3863	1.8231	1.0017	.97970
Stddev	.0439	.00260	.0081	.00363	.0129	.0154	.0329	.0045	.0020	.00195
%RSD	.45605	.48309	.52097	.86272	.70166	.44501	.44501	.24440	.19551	.19890
#1	9.6487	.54061	1.5689	.42337	1.8423	3.4624	7.4095	1.8263	1.0031	.98108
#2	9.5867	.53693	1.5574	.41824	1.8241	3.4407	7.3631	1.8200	1.0003	.97833
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4410	1.8182	2.0342	.49824	.57540	.47176
Stddev	.0004	.0057	.0211	.00317	.00265	.00184
%RSD	.03022	.31520	1.0370	.63529	.46092	.39054
#1	1.4407	1.8222	2.0491	.50048	.57727	.47306
#2	1.4413	1.8141	2.0193	.49600	.57352	.47046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3258.3	48751.	5514.0
Stddev	10.3	223.	19.0
%RSD	.31462	.45679	.34403
#1	3251.1	48594.	5500.6
#2	3265.6	48909.	5527.4

Sample Name: 280-28177-B-21-C MSD Acquired: 5/1/2012 22:52:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04796	10.745	.92667	.88681	1.9067	.04364	F 1.9458	44.110	.09324	.45213
Stddev	.00052	.006	.00302	.00189	.0042	.00011	.0016	.041	.00029	.00064
%RSD	1.0779	.05427	.32565	.21274	.22019	.25262	.08207	.09306	.31375	.14046
#1	.04759	10.749	.92880	.88814	1.9097	.04372	1.9447	44.139	.09344	.45169
#2	.04832	10.740	.92453	.88548	1.9038	.04356	1.9469	44.081	.09303	.45258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21805	.49687	9.8810	47.561	.89562	47.912	.58109	.91273	60.142	.45516
Stddev	.00024	.00140	.0050	.101	.00078	.198	.00255	.00114	.047	.00040
%RSD	.11134	.28253	.05020	.21311	.08721	.41222	.43804	.12464	.07774	.08704
#1	.21823	.49786	9.8845	47.633	.89507	48.051	.58289	.91353	60.176	.45488
#2	.21788	.49587	9.8775	47.489	.89617	47.772	.57929	.91192	60.109	.45544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.6925	.53005	1.5871	.42291	1.8385	3.2435	6.9411	1.8268	1.0151	.97979
Stddev	.0017	.00485	.0040	.00041	.0038	.0081	.0174	.0026	.0020	.00158
%RSD	.01775	.91565	.24858	.09709	.20526	.24990	.24990	.14130	.20107	.16099
#1	9.6938	.52662	1.5898	.42320	1.8358	3.2378	6.9289	1.8286	1.0166	.98090
#2	9.6913	.53349	1.5843	.42262	1.8412	3.2493	6.9534	1.8250	1.0137	.97867
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4208	1.8223	2.0224	.49598	.57208	.46963
Stddev	.0036	.0014	.0256	.00221	.00148	.00181
%RSD	.25655	.07582	1.2667	.44557	.25800	.38523
#1	1.4234	1.8233	2.0405	.49755	.57312	.47091
#2	1.4182	1.8213	2.0043	.49442	.57103	.46835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3282.7	49131.	5557.8
Stddev	3.1	232.	20.4
%RSD	.09569	.47228	.36625
#1	3284.9	48967.	5543.4
#2	3280.5	49295.	5572.2

Sample Name: 280-28177-A-22-A Acquired: 5/1/2012 22:54:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	4.5672	.00123	.01929	.01998	.00035	-.00701	1.0077	.00038	.00010
Stddev	.00012	.0251	.00399	.00019	.00022	.00001	.00041	.0030	.00004	.00002
%RSD	499.34	.54923	325.45	.98610	1.1135	3.4572	5.9108	.29791	9.3191	23.693
#1	.00011	4.5849	.00405	.01915	.01982	.00036	-.00671	1.0098	.00036	.00009
#2	-.00006	4.5494	-.00160	.01942	.02014	.00034	-.00730	1.0056	.00041	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01386	.21638	4.2294	1.0756	.00805	2.3297	.04220	.00218	17.348	.00198
Stddev	.00024	.00100	.0123	.0372	.00069	.0019	.00013	.00076	.164	.00004
%RSD	1.7271	.46198	.29145	3.4619	8.5313	.08283	.30192	35.071	.94297	1.8834
#1	.01403	.21709	4.2381	1.1019	.00757	2.3311	.04229	.00164	17.463	.00195
#2	.01369	.21567	4.2207	1.0493	.00854	2.3284	.04211	.00271	17.232	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32915	.02909	1.9565	-.00016	.00535	1.3937	2.9825	.00500	.04505	.00935
Stddev	.00083	.00199	.0065	.00221	.00061	.0157	.0335	.00085	.00045	.00043
%RSD	.25123	6.8418	.33010	1363.5	11.379	1.1232	1.1232	16.925	1.0000	4.6396
#1	.32974	.02769	1.9520	.00140	.00578	1.3826	2.9588	.00560	.04537	.00966
#2	.32857	.03050	1.9611	-.00172	.00492	1.4048	3.0062	.00440	.04473	.00905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41288	.00166	-.03108	.01139	.05526	.00287
Stddev	.00599	.00151	.02362	.00062	.00049	.00033
%RSD	1.4518	90.609	75.986	5.4500	.89534	11.576
#1	.41712	.00060	-.04778	.01183	.05561	.00264
#2	.40864	.00273	-.01438	.01095	.05491	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3372.3	51395.	5566.8
Stddev	6.4	15.	33.1
%RSD	.18917	.02971	.59515
#1	3376.8	51384.	5543.3
#2	3367.8	51406.	5590.2

Sample Name: 280-28177-A-23-A Acquired: 5/1/2012 22:57:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	5.3295	.00211	.02572	.01493	.00031	-.00128	2.5048	.00015	.00044
Stddev	.00001	.0211	.00254	.00020	.00032	.00001	.00201	.0070	.00004	.00011
%RSD	4.3583	.39658	120.30	.76033	2.1141	4.6928	156.78	.27825	27.920	24.180
#1	.00018	5.3444	.00032	.02559	.01515	.00032	.00014	2.5098	.00012	.00051
#2	.00019	5.3145	.00391	.02586	.01470	.00030	-.00270	2.4999	.00018	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01393	.00683	4.2248	1.5709	.01087	3.5010	.03248	.00139	23.901	.00238
Stddev	.00013	.00040	.0243	.0472	.00021	.0046	.00027	.00068	.104	.00007
%RSD	.90752	5.7989	.57576	3.0050	1.9100	.13148	.82224	48.619	.43483	2.8076
#1	.01384	.00711	4.2420	1.6042	.01102	3.5043	.03229	.00092	23.827	.00242
#2	.01402	.00655	4.2076	1.5375	.01072	3.4978	.03267	.00187	23.974	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38238	.01402	4.3730	-.00058	.00426	1.7227	3.6867	.00500	.04446	.00545
Stddev	.00155	.00151	.0048	.00072	.00368	.0263	.0563	.00037	.00018	.00120
%RSD	.40437	10.745	.10879	125.56	86.401	1.5257	1.5257	7.4398	.41564	22.099
#1	.38129	.01509	4.3696	-.00109	.00166	1.7413	3.7264	.00527	.04460	.00460
#2	.38347	.01296	4.3764	-.00006	.00686	1.7042	3.6469	.00474	.04433	.00630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34111	.00050	-.01134	.01136	.01781	.00498
Stddev	.00175	.00106	.01735	.00037	.00003	.00088
%RSD	.51374	211.87	153.03	3.2454	.15052	17.651
#1	.33987	-.00025	.00093	.01162	.01783	.00436
#2	.34235	.00125	-.02361	.01110	.01779	.00561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3352.2	51201.	5558.1
Stddev	6.8	146.	13.0
%RSD	.20252	.28496	.23455
#1	3347.4	51304.	5548.9
#2	3357.0	51097.	5567.4

Sample Name: 280-28177-A-24-A Acquired: 5/1/2012 22:59:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	23.891	.00567	.02039	.07965	.00132	-.00469	1.0357	.00047	.00615
Stddev	.00024	.097	.00037	.00004	.00010	.00000	.00262	.0024	.00000	.00003
%RSD	132.70	.40411	6.5821	.19875	.12331	.01790	55.905	.22817	.89128	.54445
#1	-.00001	23.823	.00541	.02042	.07958	.00132	-.00655	1.0340	.00047	.00612
#2	-.00034	23.959	.00594	.02036	.07972	.00132	-.00284	1.0374	.00047	.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04268	.08824	16.707	1.6990	.01124	2.7388	.08475	.00055	13.812	.03113
Stddev	.00006	.00071	.025	.0154	.00050	.0043	.00017	.00018	.339	.00022
%RSD	.14041	.80484	.15265	.90612	4.4531	.15625	.20227	33.509	2.4509	.71435
#1	.04273	.08875	16.689	1.7099	.01088	2.7418	.08487	.00068	14.051	.03098
#2	.04264	.08774	16.725	1.6881	.01159	2.7358	.08463	.00042	13.573	.03129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.3867	.01616	1.3675	-.00114	-.00090	1.3990	2.9939	.00480	.12961	.01013
Stddev	.0005	.00084	.0088	.00073	.00101	.0096	.0205	.00001	.00018	.00023
%RSD	.02214	5.1783	.64374	64.159	111.95	.68507	.68507	.12395	.13886	2.3058
#1	2.3870	.01557	1.3612	-.00062	-.00162	1.3922	2.9794	.00480	.12948	.00996
#2	2.3863	.01675	1.3737	-.00166	-.00019	1.4058	3.0084	.00480	.12974	.01029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45001	-.00065	-.04789	.03156	.06793	.00992
Stddev	.00007	.00095	.01888	.00033	.00088	.00079
%RSD	.01656	147.31	39.423	1.0429	1.2941	7.9805
#1	.44995	-.00132	-.03454	.03133	.06731	.00936
#2	.45006	.00003	-.06125	.03179	.06855	.01048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3535.9	53509.	5868.0
Stddev	2.8	209.	10.4
%RSD	.07967	.39139	.17805
#1	3537.9	53361.	5860.6
#2	3533.9	53657.	5875.4

Sample Name: 280-28177-A-25-A Acquired: 5/1/2012 23:01:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	6.8562	.00180	.02729	.02248	.00034	-.00192	2.6930	.00041	.00052
Stddev	.00002	.0311	.00273	.00034	.00013	.00011	.00132	.0001	.00008	.00013
%RSD	28.297	.45324	151.24	1.2554	.57911	31.375	69.020	.00448	18.862	24.332
#1	.00009	6.8342	-.00013	.02754	.02238	.00027	-.00098	2.6929	.00047	.00061
#2	.00006	6.8782	.00373	.02705	.02257	.00042	-.00285	2.6930	.00036	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01740	.01059	4.7078	1.7614	.01429	3.9858	.04334	.00170	26.292	.00360
Stddev	.00020	.00044	.0051	.0136	.00060	.0052	.00008	.00040	.060	.00069
%RSD	1.1678	4.1971	.10914	.76948	4.1866	.12967	.18527	23.677	.22708	19.087
#1	.01754	.01091	4.7042	1.7518	.01471	3.9894	.04340	.00141	26.250	.00408
#2	.01726	.01028	4.7115	1.7710	.01386	3.9821	.04328	.00198	26.334	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.42639	.01838	4.4524	-.00233	.00407	1.6804	3.5960	.00313	.05461	.00763
Stddev	.00611	.00034	.0126	.00116	.00259	.0190	.0406	.00141	.00009	.00090
%RSD	1.4321	1.8230	.28345	49.613	63.768	1.1304	1.1304	45.098	.15828	11.837
#1	.42208	.01814	4.4435	-.00152	.00590	1.6938	3.6247	.00213	.05455	.00827
#2	.43071	.01862	4.4613	-.00315	.00223	1.6669	3.5673	.00413	.05467	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.43545	-.00042	-.02910	.01542	.02177	.00438
Stddev	.00135	.00104	.01942	.00014	.00026	.00011
%RSD	.31027	248.17	66.755	.87593	1.2112	2.4035
#1	.43450	.00032	-.04283	.01533	.02195	.00446
#2	.43641	-.00116	-.01536	.01552	.02158	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3361.9	51095.	5535.0
Stddev	1.8	184.	10.0
%RSD	.05238	.35942	.18070
#1	3363.1	50965.	5542.1
#2	3360.7	51225.	5527.9

Sample Name: CCVH-1390999 Acquired: 5/1/2012 23:04:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00096	48.498	.00224	.00778	.00067	.00013	1.0305	.00553	.00004	.00042	.00058	-.00447
Stddev	.00029	.201	.00121	.00019	.00005	.00003	.0013	.00338	.00006	.00043	.00005	.00011
%RSD	29.737	.41546	54.260	2.4901	7.9491	20.956	.12664	61.120	152.83	101.73	8.0211	2.4846
#1	-.00117	48.356	.00310	.00764	.00063	.00015	1.0296	.00314	.00009	.00073	.00062	-.00455
#2	-.00076	48.640	.00138	.00792	.00071	.00011	1.0315	.00793	.00000	.00012	.00055	-.00439
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.467	.02185	-.00029	-.02213	.00046	.00035	243.60	.00119	.00135	-.00024	5.0815	-.00348
Stddev	.219	.00345	.00281	.00091	.00005	.00005	.09	.00031	.00016	.00114	.0122	.00064
%RSD	.45220	15.790	958.41	4.1272	10.248	15.104	.03688	26.166	11.556	479.07	.24089	18.293
#1	48.312	.02429	.00170	-.02148	.00043	.00038	243.66	.00141	.00124	-.00105	5.0902	-.00303
#2	48.621	.01941	-.00228	-.02277	.00049	.00031	243.54	.00097	.00147	.00057	5.0729	-.00393
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00256	.00547	.00229	.00036	5.1482	.00829	-.00023	W 10.616	-.00468	.00193	-.05182
Stddev	.00840	.02137	.04572	.00034	.00005	.0004	.00051	.00187	.032	.00048	.00019	.00032
%RSD	1121.2	835.37	835.37	14.933	12.921	.00713	6.1274	800.06	.29709	10.355	10.110	.61519
#1	.00669	.01767	.03781	.00204	.00040	5.1480	.00865	.00109	10.594	-.00434	.00179	-.05159
#2	-.00519	-.01255	-.02686	.00253	.00033	5.1485	.00793	-.00155	10.638	-.00502	.00207	-.05204
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3227.1	48435.	5418.4
Stddev	7.7	207.	37.5
%RSD	.23779	.42659	.69239
#1	3232.5	48289.	5444.9
#2	3221.7	48581.	5391.9

Sample Name: CCV-1390955 Acquired: 5/1/2012 23:06:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50773	.49306	1.0016	.48986	.49420	.46024	-.00553	4.6852	.50339	.49889	.50185	.52100	2.4158
Stddev	.00048	.00308	.0027	.00068	.00132	.00021	.00014	.0061	.00008	.00104	.00182	.00023	.0135
%RSD	.09516	.62426	.27046	.13817	.26688	.04491	2.6142	.12926	.01530	.20748	.36219	.04340	.55963
#1	.50738	.49524	1.0035	.49034	.49327	.46039	-.00543	4.6895	.50344	.49962	.50313	.52084	2.4063
#2	.50807	.49088	.99966	.48938	.49514	.46010	-.00563	4.6809	.50333	.49815	.50056	.52116	2.4254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.654	.95407	19.743	.50607	.49844	4.7770	.49767	.95500	1.0333	.03145	.97722	1.0135	4.5932
Stddev	.094	.00223	.031	.00071	.00186	.0186	.00091	.00773	.0023	.00040	.00892	.0066	.0193
%RSD	.19362	.23333	.15554	.13936	.37280	.38989	.18350	.80904	.22456	1.2803	.91272	.65504	.42046
#1	48.588	.95249	19.765	.50657	.49975	4.7902	.49832	.96046	1.0317	.03173	.98352	1.0182	4.5796
#2	48.721	.95564	19.721	.50557	.49712	4.7638	.49703	.94953	1.0349	.03116	.97091	1.0088	4.6069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8295	.99970	.48767	.00068	.49132	1.0210	.02551	.50500	.51277	.49364
Stddev	.0413	.00558	.00052	.00023	.00098	.0013	.02727	.00143	.00212	.00492
%RSD	.42046	.55853	.10731	33.796	.19963	.12608	106.88	.28300	.41277	.99751
#1	9.8003	1.0036	.48730	.00084	.49202	1.0201	.04480	.50399	.51427	.49016
#2	9.8587	.99575	.48804	.00052	.49063	1.0219	.00623	.50601	.51128	.49712
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3315.0	49797.	5415.5
Stddev	4.8	.	6.5
%RSD	.14479	.00061	.11969
#1	3311.6	49797.	5410.9
#2	3318.4	49797.	5420.1

Sample Name: CCB Acquired: 5/1/2012 23:08:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00021	-.00237	W .00574	.00018	.00016	-.00002	-.00056	.00006	-.00005	.00005	-.00091
Stddev	.00038	.00019	.00022	.00061	.00003	.00000	.00094	.00037	.00005	.00016	.00008	.00010
%RSD	174.72	92.559	9.3011	10.677	17.474	2.6039	3881.9	65.092	94.177	332.88	174.11	11.297
#1	.00048	-.00034	-.00222	.00617	.00016	.00016	-.00069	-.00030	.00010	.00006	.00010	-.00098
#2	-.00005	-.00007	-.00253	.00530	.00020	.00016	.00064	-.00082	.00002	-.00016	-.00001	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.02467	.00018	.00055	.00007	.00104	.08900	-.00059	.00064	-.00018	.02395	.00086
Stddev	.00020	.01182	.00180	.00162	.00001	.00021	.00483	.00006	.00097	.00076	.00094	.00047
%RSD	40.630	47.940	1014.5	292.68	11.894	19.648	5.4233	9.6520	152.21	424.32	3.9442	55.042
#1	.00063	.03303	-.00109	.00170	.00006	.00090	.08559	-.00055	-.00005	-.00071	.02328	.00053
#2	.00035	.01630	.00145	-.00059	.00007	.00119	.09241	-.00063	.00133	.00036	.02461	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	-.01241	-.02656	.00109	-.00008	-.00009	.00001	.00013	.01281	-.00028	.00213	.00039
Stddev	.00012	.01026	.02195	.00036	.00007	.00072	.00014	.00078	.00577	.00015	.00017	.00002
%RSD	48.265	82.622	82.622	32.853	90.610	843.35	2735.6	600.72	45.029	52.995	7.9383	5.7633
#1	.00034	-.00516	-.01104	.00084	-.00003	.00042	-.00009	.00068	.00873	-.00017	.00225	.00037
#2	.00017	-.01966	-.04208	.00135	-.00013	-.00059	.00010	-.00042	.01689	-.00038	.00201	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3320.8	51057.	5371.3
Stddev	1.3	106.	15.0
%RSD	.03903	.20857	.27904
#1	3321.7	50981.	5381.9
#2	3319.9	51132.	5360.7

Sample Name: CCVL1390952 Acquired: 5/1/2012 23:11:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01073	.10174	.01175	.09984	.00996	.00103	.11564	.19131	.00528	.01019	.01003	.01505	.09722
Stddev	.00003	.00091	.00236	.00008	.00010	.00005	.00207	.00273	.00015	.00013	.00009	.00017	.00404
%RSD	.24084	.89756	20.122	.08407	1.0300	4.9573	1.7892	1.4272	2.8784	1.3138	.86446	1.1465	4.1599
#1	.01075	.10110	.01342	.09978	.00988	.00099	.11710	.18938	.00518	.01028	.00997	.01517	.09436
#2	.01072	.10239	.01007	.09990	.01003	.00106	.11417	.19324	.00539	.01009	.01009	.01492	.10008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0130	.00980	.20463	.01044	.01945	1.0563	.04007	2.7608	.00953	.01941	.00744	.01787	.44693
Stddev	.0135	.00269	.00486	.00011	.00049	.0072	.00037	.0170	.00080	.00493	.00060	.00424	.01883
%RSD	.44949	27.469	2.3759	1.0409	2.4974	.68486	.92163	.61589	8.4093	25.388	8.0723	23.718	4.2129
#1	3.0226	.01170	.20120	.01051	.01911	1.0512	.03981	2.7728	.01010	.01592	.00702	.02087	.46024
#2	3.0035	.00789	.20807	.01036	.01980	1.0614	.04033	2.7488	.00896	.02289	.00787	.01487	.43361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95643	.10277	.00993	.01565	.01046	.01587	F .09657	.00919	.02219	.01446
Stddev	.04029	.00035	.00001	.00043	.00031	.00006	.00189	.00019	.00002	.00027
%RSD	4.2129	.33953	.07950	2.7579	3.0003	.37238	1.9563	2.0518	.09878	1.9016
#1	.98492	.10302	.00992	.01596	.01069	.01591	.09790	.00932	.02221	.01426
#2	.92793	.10252	.00993	.01535	.01024	.01583	.09523	.00906	.02218	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3410.8	51873.	5499.0
Stddev	3.3	206.	15.1
%RSD	.09590	.39800	.27497
#1	3413.2	51727.	5488.3
#2	3408.5	52019.	5509.7

Sample Name: MB 280-117484/1-A Acquired: 5/1/2012 23:13:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00189	.00058	.00489	.00033	.00011	-.00352	.00703	.00020	-.00011
Stddev	.00011	.00012	.00042	.00028	.00003	.00002	.00013	.00197	.00006	.00009
%RSD	13.735	6.2734	72.208	5.6849	7.8851	15.957	3.7454	28.042	29.235	83.161
#1	.00072	.00198	.00088	.00470	.00035	.00010	-.00343	.00563	.00025	-.00017
#2	.00087	.00181	.00029	.00509	.00032	.00013	-.00362	.00842	.00016	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00104	.00512	.02087	-.00064	.00083	.00007	.00007	.09578	-.00053
Stddev	.00013	.00026	.00010	.02901	.00105	.00196	.00003	.00015	.01098	.00005
%RSD	191.98	25.371	1.9385	138.99	164.33	235.80	37.884	225.33	11.459	10.046
#1	-.00016	-.00123	.00505	.04138	.00010	-.00055	.00005	-.00004	.08802	-.00050
#2	.00002	-.00085	.00519	.00036	-.00138	.00222	.00009	.00018	.10354	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.00041	F .02175	-.00374	-.00426	F -.01786	-.03822	.00018	.00000	.00035
Stddev	.00190	.00003	.00406	.00061	.00357	.00142	.00303	.00058	.0000	.00025
%RSD	161.89	7.8819	18.674	16.365	83.821	7.9328	7.9328	316.71	480.62	72.801
#1	.00251	.00038	.02462	-.00418	-.00173	-.01886	-.04037	.00059	.00001	.00053
#2	-.00017	.00043	.01888	-.00331	-.00678	-.01686	-.03608	-.00023	-.00001	.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.00006	.03454	-.00060	.00158	.00114
Stddev	.00039	.00101	.00421	.00035	.00038	.00024
%RSD	163.16	1782.5	12.198	58.822	24.378	20.809
#1	-.00004	-.00077	.03751	-.00035	.00131	.00131
#2	.00052	.00066	.03156	-.00084	.00185	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3386.3	51975.	5547.4
Stddev	1.4	161.	26.8
%RSD	.04275	.30954	.48232
#1	3385.2	52088.	5566.4
#2	3387.3	51861.	5528.5

Sample Name: LCS 280-117484/2-A Acquired: 5/1/2012 23:15:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05085	1.8396	1.0132	.97007	1.9557	.04638	2.1039	45.758	.09999	.48466
Stddev	.00003	.0009	.0071	.00167	.0006	.00011	.0014	.091	.00015	.00112
%RSD	.05807	.04761	.70318	.17179	.03309	.24139	.06509	.19832	.15025	.23142
#1	.05083	1.8402	1.0182	.96889	1.9553	.04630	2.1029	45.694	.09989	.48545
#2	.05087	1.8390	1.0081	.97125	1.9562	.04646	2.1049	45.822	.10010	.48386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19823	.26228	F 1.7324	48.518	.95315	48.605	.50877	1.0057	50.247	.48414
Stddev	.00004	.00119	.0065	.078	.00114	.213	.00162	.0001	.099	.00123
%RSD	.02017	.45452	.37706	.16078	.11931	.43793	.31819	.00650	.19630	.25484
#1	.19826	.26144	1.7370	48.463	.95395	48.455	.50762	1.0057	50.317	.48501
#2	.19820	.26312	1.7278	48.573	.95234	48.756	.50991	1.0058	50.177	.48326
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6857	.49193	.03619	.48196	2.0239	F 9.3009	F 19.904	1.9780	.97782	1.0284
Stddev	.0081	.00018	.00048	.00136	.0050	.0178	.038	.0026	.00015	.0027
%RSD	.08318	.03686	1.3345	.28272	.24792	.19180	.19180	.13094	.01535	.25985
#1	9.6800	.49180	.03653	.48293	2.0275	9.2883	19.877	1.9798	.97771	1.0265
#2	9.6914	.49205	.03585	.48100	2.0204	9.3135	19.931	1.9762	.97793	1.0303
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99645	1.9693	2.2003	.50892	.50735	.48118
Stddev	.00478	.0007	.0588	.00146	.00443	.00065
%RSD	.47957	.03446	2.6734	.28757	.87308	.13599
#1	.99307	1.9698	2.1587	.50789	.50422	.48164
#2	.99983	1.9688	2.2419	.50996	.51048	.48072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3238.8	48937.	5499.5
Stddev	.6	89.	15.2
%RSD	.01801	.18111	.27628
#1	3238.4	49000.	5510.2
#2	3239.2	48875.	5488.7

Sample Name: 280-28267-D-1-A Acquired: 5/1/2012 23:18:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	W 2.9740	.00081	.07743	.03991	.00020	-.00412	149.95	.00068	.00150
Stddev	.00025	.0316	.00057	.00059	.00012	.00004	.00196	.35	.00004	.00014
%RSD	70.808	1.0615	70.731	.76320	.29990	19.087	47.613	.23248	6.5542	9.3337
#1	.00053	2.9963	.00041	.07785	.03999	.00017	-.00273	150.20	.00071	.00159
#2	.00017	2.9517	.00122	.07701	.03982	.00023	-.00551	149.71	.00065	.00140
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00798	.00304	4.5298	3.5310	.05298	49.736	.12736	.00215	344.56	.00445
Stddev	.00007	.00017	.0088	.0133	.00173	.017	.00036	.00029	.55	.00017
%RSD	.84840	5.5148	.19317	.37792	3.2688	.03356	.28234	13.540	.15839	3.8979
#1	.00794	.00316	4.5360	3.5215	.05420	49.748	.12710	.00194	344.95	.00433
#2	.00803	.00292	4.5236	3.5404	.05175	49.724	.12761	.00235	344.17	.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08543	.00159	F 230.04	-.00164	.24016	14.378	30.769	.00025	.77979	.00100
Stddev	.00525	.00375	.52	.00072	.00367	.048	.104	.00123	.00178	.00151
%RSD	6.1432	235.74	.22503	44.117	1.5272	.33655	.33655	501.73	.22779	151.34
#1	.08172	.00425	229.67	-.00215	.23757	14.412	30.842	.00112	.78105	-.00007
#2	.08914	-.00106	230.40	-.00113	.24276	14.344	30.696	-.00063	.77853	.00206
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05763	.00257	.01886	.00568	.01431	.00213
Stddev	.00401	.00004	.02598	.00013	.00020	.00186
%RSD	6.9644	1.5121	137.78	2.3777	1.4144	87.058
#1	.05479	.00260	.03723	.00577	.01417	.00344
#2	.06046	.00255	.00048	.00558	.01445	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.9	47331.	5405.5
Stddev	4.5	146.	12.1
%RSD	.14379	.30818	.22367
#1	3106.1	47228.	5414.1
#2	3099.8	47434.	5397.0

Sample Name: sd 280-28267-D-1-A@5 Acquired: 5/1/2012 23:20:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.65403	-.00273	.01918	.00822	.00006	-.00187	30.446	.00040	.00025
Stddev	.00037	.00607	.00125	.00032	.00004	.00004	.00006	.256	.00019	.00019
%RSD	74.305	.92817	45.886	1.6771	.52705	60.412	3.3745	.84022	48.337	78.737
#1	.00023	.65832	-.00362	.01895	.00825	.00009	-.00182	30.627	.00026	.00011
#2	.00075	.64974	-.00185	.01941	.00819	.00004	-.00191	30.265	.00054	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00194	-.00024	.92135	.76522	.01338	10.290	.02612	.00015	69.927	.00029
Stddev	.00027	.00064	.00823	.00170	.00043	.003	.00014	.00024	.684	.00007
%RSD	13.748	271.86	.89313	.22249	3.1942	.03067	.52153	158.11	.97805	22.296
#1	.00213	-.00069	.92717	.76401	.01308	10.292	.02602	.00032	70.410	.00025
#2	.00175	.00022	.91553	.76642	.01368	10.287	.02621	-.00002	69.443	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01587	.00045	45.315	-.00381	.04533	2.9821	6.3816	.00008	.15623	.00043
Stddev	.00592	.00010	.062	.00204	.00311	.0220	.0471	.00042	.00109	.00060
%RSD	37.285	22.023	.13671	53.441	6.8652	.73789	.73789	525.69	.70035	137.95
#1	.02006	.00052	45.271	-.00525	.04753	2.9976	6.4149	-.00022	.15700	.00001
#2	.01169	.00038	45.359	-.00237	.04313	2.9665	6.3483	.00038	.15545	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01288	.00142	-.01295	.00081	.00588	.00019
Stddev	.00173	.00143	.01612	.00053	.00014	.00161
%RSD	13.396	100.70	124.44	65.106	2.4416	833.01
#1	.01410	.00041	-.00156	.00044	.00578	-.00094
#2	.01166	.00243	-.02435	.00119	.00598	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3261.0	49916.	5394.7
Stddev	9.6	106.	9.1
%RSD	.29541	.21144	.16935
#1	3267.8	49991.	5388.2
#2	3254.1	49841.	5401.2

Sample Name: 280-28267-D-1-B MS Acquired: 5/1/2012 23:22:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05242	7.3390	1.0438	1.0149	1.9980	.04603	F 2.0450	195.33	.10073	.47027
Stddev	.00025	.0466	.0001	.0055	.0123	.00027	.0091	1.24	.00026	.00080
%RSD	.47546	.63463	.00458	.53839	.61525	.58300	.44634	.63583	.25925	.16979
#1	.05224	7.3719	1.0438	1.0187	2.0066	.04622	2.0515	196.20	.10091	.47084
#2	.05260	7.3060	1.0438	1.0110	1.9893	.04584	2.0386	194.45	.10054	.46971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20457	.26028	5.7052	53.486	1.0238	97.984	.61633	.99929	396.56	.47138
Stddev	.00026	.00002	.0285	.249	.0093	.473	.00315	.00105	2.77	.00012
%RSD	.12823	.00736	.49938	.46603	.90863	.48233	.51069	.10528	.69779	.02445
#1	.20475	.26030	5.7253	53.663	1.0304	97.649	.61411	1.0000	398.51	.47146
#2	.20438	.26027	5.6851	53.310	1.0172	98.318	.61856	.99855	394.60	.47130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.074	.46857	F 232.83	.48309	2.2925	27.589	59.041	1.9147	1.7645	1.0214
Stddev	.047	.00264	.76	.00157	.0231	.091	.194	.0021	.0104	.0058
%RSD	.46815	.56378	.32431	.32594	1.0068	.32932	.32932	.10949	.58806	.56572
#1	10.107	.46670	233.36	.48197	2.3089	27.653	59.178	1.9162	1.7718	1.0174
#2	10.040	.47043	232.29	.48420	2.2762	27.525	58.903	1.9132	1.7572	1.0255
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0647	1.7784	2.1564	.51626	.50825	.48495
Stddev	.0056	.0025	.0074	.00031	.00033	.00642
%RSD	.52520	.14152	.34409	.05966	.06484	1.3246
#1	1.0607	1.7801	2.1616	.51604	.50849	.48949
#2	1.0687	1.7766	2.1511	.51648	.50802	.48041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3021.1	45968.	5360.4
Stddev	2.4	259.	23.3
%RSD	.08004	.56389	.43434
#1	3019.4	46152.	5343.9
#2	3022.8	45785.	5376.8

Sample Name: 280-28267-D-1-C MSD Acquired: 5/1/2012 23:25:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05215	7.0451	1.0526	1.0238	2.0073	.04605	F 2.0622	193.85	.10167	.47379
Stddev	.00008	.0470	.0075	.0008	.0037	.00011	.0102	1.01	.00004	.00028
%RSD	.14634	.66682	.71549	.08157	.18484	.23963	.49674	.52056	.03859	.05915
#1	.05220	7.0119	1.0473	1.0244	2.0047	.04597	2.0550	193.14	.10164	.47399
#2	.05210	7.0783	1.0580	1.0232	2.0099	.04612	2.0695	194.56	.10170	.47360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20594	.26050	5.4189	53.559	1.0240	98.036	.61488	1.0051	394.09	.47285
Stddev	.00160	.00005	.0173	.149	.0022	.255	.00099	.0024	1.38	.00198
%RSD	.77556	.01758	.31888	.27827	.21513	.25973	.16040	.24070	.34954	.41852
#1	.20481	.26054	5.4067	53.453	1.0224	97.856	.61418	1.0034	393.12	.47145
#2	.20707	.26047	5.4311	53.664	1.0255	98.216	.61558	1.0068	395.06	.47425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.146	.47143	F 231.85	.48578	2.2979	27.005	57.791	1.9282	1.7648	1.0250
Stddev	.009	.00341	.10	.00119	.0036	.087	.186	.0095	.0020	.0001
%RSD	.08775	.72324	.04448	.24462	.15446	.32247	.32247	.49181	.11192	.01088
#1	10.153	.46902	231.77	.48662	2.2954	26.944	57.660	1.9215	1.7634	1.0249
#2	10.140	.47384	231.92	.48494	2.3004	27.067	57.923	1.9349	1.7662	1.0251
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0715	1.7844	2.1845	.51686	.51345	.48621
Stddev	.0060	.0030	.0253	.00176	.00445	.00012
%RSD	.56201	.17058	1.1593	.34131	.86721	.02369
#1	1.0758	1.7865	2.1666	.51561	.51030	.48613
#2	1.0673	1.7822	2.2024	.51811	.51660	.48630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3021.2	45952.	5385.0
Stddev	6.4	111.	11.7
%RSD	.21150	.24210	.21729
#1	3025.7	46031.	5393.3
#2	3016.7	45873.	5376.7

Sample Name: 280-28283-A-8-A Acquired: 5/1/2012 23:27:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.88637	.01785	.01516	.15213	.00020	-.00477	3.9964	.00035	.00020
Stddev	.00047	.00586	.00242	.00055	.00040	.00007	.00003	.0160	.00019	.00018
%RSD	315.13	.66068	13.572	3.5978	.26402	32.502	.52661	.39956	53.254	90.401
#1	-.00019	.88223	.01956	.01554	.15241	.00016	-.00475	4.0077	.00022	.00007
#2	.00049	.89051	.01614	.01477	.15185	.00025	-.00479	3.9852	.00048	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00102	-.00012	7.4867	1.5154	.00690	3.7508	.05853	.00122	27.490	.00074
Stddev	.00003	.00030	.0412	.0196	.00086	.0089	.00026	.00055	.177	.00015
%RSD	3.1573	249.05	.54976	1.2915	12.437	.23598	.44448	44.865	.64433	20.683
#1	.00100	-.00033	7.5158	1.5292	.00629	3.7570	.05872	.00083	27.365	.00084
#2	.00104	.00009	7.4576	1.5016	.00750	3.7445	.05835	.00160	27.615	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11829	.00115	.32975	-.00208	.00135	37.220	79.651	.00021	.12383	.00106
Stddev	.00013	.00031	.00041	.00043	.00287	.021	.044	.00104	.00107	.00080
%RSD	.11374	27.112	.12474	20.486	213.19	.05529	.05529	503.65	.86178	75.896
#1	.11819	.00136	.32946	-.00238	-.00068	37.235	79.682	-.00053	.12459	.00162
#2	.11838	.00093	.33004	-.00178	.00338	37.206	79.620	.00094	.12308	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02851	.00348	.00285	.00049	.00468	.00004
Stddev	.00244	.00141	.02325	.00024	.00008	.00117
%RSD	8.5474	40.449	816.41	49.041	1.8105	2783.1
#1	.03023	.00249	-.01359	.00032	.00462	-.00079
#2	.02679	.00448	.01929	.00066	.00474	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3349.7	50835.	5565.3
Stddev	4.8	32.	2.1
%RSD	.14347	.06307	.03777
#1	3346.3	50858.	5566.8
#2	3353.1	50813.	5563.8

Sample Name: 280-28283-A-9-A Acquired: 5/1/2012 23:29:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	1.4256	-.00014	.01447	.04838	.00034	-.00829	.78537	.00044	-.00023
Stddev	.00010	.0020	.00209	.00000	.00017	.00004	.00082	.00457	.00019	.00010
%RSD	19.226	.13894	1510.8	.02982	.34421	12.652	9.8578	.58191	43.361	41.356
#1	.00046	1.4270	.00134	.01446	.04826	.00037	-.00887	.78213	.00057	-.00030
#2	.00060	1.4242	-.00162	.01447	.04850	.00031	-.00771	.78860	.00030	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00236	-.00027	.44486	1.3297	.00851	.68289	.00934	-.00024	10.046	11.116
Stddev	.00012	.00009	.00341	.0416	.00042	.00389	.00005	.00037	.053	.021
%RSD	5.0631	32.641	.76754	3.1264	4.9865	.56973	.51826	158.59	.52292	.19343
#1	.00244	-.00033	.44244	1.3003	.00821	.68014	.00931	-.00050	10.009	11.101
#2	.00227	-.00021	.44727	1.3591	.00881	.68565	.00937	.00003	10.083	11.131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.01823	.00081	.75850	-.00199	.00075	34.955	74.804	.00056	.02965
Stddev	.00026	.00060	.00036	.00055	.00104	.00215	.293	.627	.00141	.00032
%RSD	145.87	3.3103	44.426	.07274	52.404	285.55	.83849	.83849	253.75	1.0796
#1	.00036	.01781	.00107	.75811	-.00125	.00227	34.748	74.361	.00156	.02987
#2	-.00001	.01866	.00056	.75889	-.00273	-.00077	35.163	75.248	-.00044	.02942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00204	.02392	.00039	.01949	.00206	.00432	.00087
Stddev	.00011	.00010	.00228	.00758	.00004	.00017	.00140
%RSD	5.3817	.39994	579.30	38.890	2.1462	3.8939	160.89
#1	.00196	.02399	.00201	.02485	.00209	.00444	-.00012
#2	.00212	.02385	-.00122	.01413	.00203	.00421	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3371.5	51769.	5570.8
Stddev	10.4	27.	25.6
%RSD	.30894	.05228	.45888
#1	3378.9	51788.	5588.8
#2	3364.2	51750.	5552.7

Sample Name: 280-28283-A-10-A Acquired: 5/1/2012 23:32:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.18325	-.00283	.01069	.04884	.00038	-.00486	1.0383	.00034	.00140
Stddev	.00021	.00165	.00302	.00056	.00032	.00002	.00151	.0025	.00003	.00007
%RSD	61.425	.90212	106.68	5.2028	.66093	6.4114	31.166	.24307	8.8380	4.7278
#1	.00019	.18442	-.00496	.01108	.04906	.00036	-.00593	1.0401	.00036	.00136
#2	.00048	.18208	-.00069	.01029	.04861	.00040	-.00379	1.0365	.00032	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-.00026	.22751	1.5846	.00256	.88399	.00564	-.00007	7.6420	.00207
Stddev	.00010	.00055	.00320	.0427	.00004	.00116	.00007	.00043	.0813	.00012
%RSD	37.336	212.99	1.4053	2.6943	1.7106	.13156	1.2665	615.87	1.0635	5.6203
#1	.00021	-.00064	.22978	1.5544	.00253	.88481	.00569	-.00038	7.6995	.00215
#2	.00035	.00013	.22525	1.6148	.00259	.88317	.00559	.00024	7.5845	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01083	-.00033	.33528	-.00149	.00009	22.026	47.136	-.00055	.03308	.00104
Stddev	.00162	.00098	.00023	.00094	.00073	.178	.380	.00017	.00015	.00001
%RSD	14.959	300.57	.06784	62.832	794.55	.80657	.80657	31.087	.44451	.63722
#1	.00968	.00037	.33512	-.00083	-.00043	22.152	47.404	-.00067	.03318	.00103
#2	.01198	-.00102	.33544	-.00215	.00061	21.900	46.867	-.00043	.03297	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00175	.00118	.00586	-.00060	.00609	-.00028
Stddev	.00017	.00164	.01855	.00035	.00017	.00019
%RSD	9.6057	139.49	316.60	59.193	2.8527	65.627
#1	.00187	.00234	.01897	-.00035	.00597	-.00015
#2	.00163	.00002	-.00726	-.00085	.00622	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3358.4	51175.	5520.9
Stddev	.3	71.	5.1
%RSD	.00796	.13928	.09198
#1	3358.2	51225.	5517.3
#2	3358.6	51124.	5524.5

Sample Name: 280-28283-A-11-A Acquired: 5/1/2012 23:34:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.05384	-.00607	.01246	.02828	.00011	-.00613	.97518	.00043	-.00040
Stddev	.00019	.00053	.00376	.00089	.00052	.00002	.00348	.00394	.00017	.00007
%RSD	314.18	.99156	61.923	7.1444	1.8501	20.365	56.811	.40433	40.434	18.136
#1	-.00008	.05346	-.00341	.01183	.02791	.00010	-.00859	.97240	.00031	-.00045
#2	.00020	.05422	-.00873	.01309	.02865	.00013	-.00367	.97797	.00055	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00172	-.00066	.05448	1.5598	.00652	.54696	.00166	.00013	6.3400	-.00002
Stddev	.00027	.00002	.00162	.0069	.00167	.00100	.00005	.00022	.0242	.00005
%RSD	15.692	3.3695	2.9785	.44303	25.667	.18259	3.0944	165.21	.38226	209.72
#1	.00191	-.00067	.05333	1.5549	.00771	.54625	.00170	-.00002	6.3229	.00001
#2	.00153	-.00064	.05563	1.5647	.00534	.54766	.00163	.00028	6.3571	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01485	.00104	.64045	-.00067	.00159	20.683	44.262	.00033	.04138	-.00048
Stddev	.00085	.00208	.01050	.00039	.00192	.158	.337	.00115	.00051	.00030
%RSD	5.7220	200.82	1.6399	57.907	121.18	.76190	.76190	353.34	1.2263	61.818
#1	.01545	-.00043	.63302	-.00040	.00023	20.572	44.023	-.00049	.04102	-.00069
#2	.01424	.00251	.64787	-.00094	.00294	20.795	44.500	.00114	.04174	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00162	-.00020	.02945	-.00039	.00237	.00182
Stddev	.00024	.00118	.00559	.00041	.00036	.00043
%RSD	15.093	599.94	18.969	105.72	15.288	23.821
#1	.00145	-.00103	.03340	-.00010	.00211	.00151
#2	.00179	.00064	.02550	-.00068	.00263	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3376.9	51487.	5531.3
Stddev	5.9	55.	30.8
%RSD	.17443	.10693	.55686
#1	3372.8	51526.	5553.1
#2	3381.1	51448.	5509.5

Sample Name: CCVH-1390999 Acquired: 5/1/2012 23:36:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00105	47.597	-.00192	.00488	.00046	.00005	.99942	.00164	.00008	.00009	.00042	-.00497	47.401
Stddev	.00027	.283	.00088	.00056	.00004	.00001	.00477	.00209	.00023	.00030	.00002	.00024	.302
%RSD	25.286	.59361	45.998	11.460	9.3836	23.827	.47732	127.78	284.19	319.89	3.6469	4.7649	.63757
#1	-.00087	47.796	-.00254	.00448	.00049	.00006	1.0028	.00312	.00025	-.00012	.00041	-.00480	47.615
#2	-.00124	47.397	-.00129	.00527	.00043	.00004	.99605	.00016	-.00008	.00030	.00043	-.00514	47.188
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05402	.00123	-.01979	.00014	.00064	240.07	.00111	-.00019	.00077	4.9396	-.00438	.00993	.01148
Stddev	.03337	.00132	.00231	.00002	.00021	.74	.00017	.00125	.00151	.0217	.00061	.00165	.00521
%RSD	61.783	106.94	11.685	15.560	32.380	.30739	14.983	664.71	196.51	.43881	13.985	16.601	45.360
#1	.07762	.00030	-.01815	.00013	.00079	240.60	.00100	.00070	.00184	4.9549	-.00482	.01110	.00780
#2	.03042	.00216	-.02142	.00016	.00049	239.55	.00123	-.00107	-.00030	4.9242	-.00395	.00877	.01516
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02457	.00141	.00034	5.0600	.00824	.00404	10.464	-.00485	.00056	-.05151
Stddev	.01115	.00024	.00002	.0430	.00018	.00013	.070	.00015	.00001	.00343
%RSD	45.360	17.254	6.2829	.85039	2.1314	3.1070	.66660	3.1057	2.6436	6.6620
#1	.01669	.00124	.00036	5.0904	.00812	.00395	10.513	-.00495	.00057	-.05394
#2	.03245	.00158	.00033	5.0296	.00837	.00413	10.415	-.00474	.00055	-.04908
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3237.5	48635.	5415.0
Stddev	1.2	359.	33.3
%RSD	.03786	.73803	.61575
#1	3236.6	48382.	5391.4
#2	3238.3	48889.	5438.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 23:39:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50106	.48400	.97991	.47532	.48735	.45176	-.00215	4.5964	.49304	.48835	.49165	.51450	2.3754
Stddev	.00027	.00196	.00460	.00084	.00388	.00481	.00151	.0556	.00034	.00021	.00063	.00215	.0186
%RSD	.05347	.40425	.46972	.17625	.79713	1.0645	70.457	1.2085	.06874	.04315	.12757	.41831	.78422
#1	.50087	.48262	.98317	.47473	.49010	.45516	-.00322	4.6356	.49280	.48820	.49120	.51298	2.3886
#2	.50125	.48539	.97666	.47591	.48460	.44836	-.00108	4.5571	.49328	.48850	.49209	.51602	2.3622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.030	.94411	19.283	.49732	.48906	4.7851	.48523	.92679	1.0085	.02824	.95119	.98835	4.5784
Stddev	.326	.00501	.070	.00157	.00091	.0599	.00129	.00309	.0036	.00345	.00310	.00572	.0183
%RSD	.67885	.53064	.36450	.31479	.18626	1.2509	.26583	.33303	.35261	12.202	.32600	.57923	.40021
#1	48.261	.94766	19.233	.49621	.48841	4.8275	.48432	.92897	1.0060	.03068	.94900	.99240	4.5914
#2	47.800	.94057	19.332	.49843	.48970	4.7428	.48614	.92461	1.0110	.02580	.95338	.98430	4.5655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7978	.97971	.48042	-.00118	.48149	.99984	.04012	.49394	.50238	.48328
Stddev	.0392	.00270	.00413	.00092	.00100	.00707	.02988	.00146	.00181	.00265
%RSD	.40021	.27600	.86066	78.146	.20846	.70694	74.476	.29569	.36087	.54929
#1	9.8255	.97779	.48335	-.00053	.48078	.99484	.01899	.49291	.50110	.48516
#2	9.7701	.98162	.47750	-.00183	.48220	1.0048	.06124	.49498	.50367	.48140
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3305.5	50157.	5430.7
Stddev	5.7	182.	51.5
%RSD	.17241	.36361	.94872
#1	3309.5	50286.	5394.3
#2	3301.4	50028.	5467.2

Sample Name: CCB Acquired: 5/1/2012 23:41:28 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00081	-.00087	.00382	.00036	.00019	-.00041	.00280	.00002	-.00017	.00006	-.00100
Stddev	.00009	.00049	.00304	.00085	.00003	.00003	.00134	.00026	.00002	.00016	.00007	.00030
%RSD	32.507	60.420	351.43	22.124	8.0472	13.891	323.50	9.4428	93.371	91.910	119.38	30.159
#1	.00034	.00115	-.00302	.00442	.00034	.00017	-.00136	.00299	.00001	-.00029	.00011	-.00079
#2	.00021	.00046	.00129	.00322	.00038	.00021	.00053	.00261	.00004	-.00006	.00001	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00173	.05909	W .00277	.00506	.00014	.00048	W .13298	-.00079	.00253	-.00064	.02193	-.00112
Stddev	.00284	.01255	.00285	.00319	.00002	.00032	.01080	.00004	.00174	.00165	.00340	.00123
%RSD	164.11	21.243	102.79	62.950	14.383	66.827	8.1188	5.1093	68.566	258.60	15.508	110.49
#1	.00374	.06797	.00076	.00732	.00015	.00025	.14061	-.00076	.00131	-.00181	.02433	-.00024
#2	-.00028	.05022	.00479	.00281	.00012	.00071	.12534	-.00082	.00376	.00053	.01952	-.00199
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	-.01141	-.02442	.00137	.00017	.00183	-.00001	-.00069	-.00492	-.00044	.00264	.00061
Stddev	.00112	.00262	.00561	.00086	.00001	.00129	.00022	.00126	.02258	.00001	.00081	.00043
%RSD	140.02	22.966	22.966	62.654	5.6255	70.236	2280.9	184.34	459.00	2.4280	30.654	70.740
#1	.00001	-.00956	-.02046	.00198	.00018	.00274	.00015	.00021	.01105	-.00045	.00207	.00030
#2	.00159	-.01327	-.02839	.00076	.00016	.00092	-.00016	-.00158	-.02088	-.00043	.00321	.00091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3314.2	50654.	5388.0
Stddev	16.1	4.	21.4
%RSD	.48689	.00694	.39699
#1	3325.7	50656.	5403.1
#2	3302.8	50651.	5372.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 23:43:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01096	.10108	F .00987	.09741	.01004	.00096	.11254	.18254	.00509	.01010	.01022	.01511	.09513
Stddev	.00017	.00033	.00263	.00053	.00006	.00006	.00342	.00257	.00001	.00039	.00027	.00035	.00124
%RSD	1.5595	.32931	26.696	.54760	.57912	6.4774	3.0430	1.4053	.21996	3.8191	2.6598	2.3180	1.3009
#1	.01084	.10085	.01173	.09779	.01000	.00100	.11496	.18073	.00508	.01038	.01003	.01486	.09601
#2	.01108	.10132	.00800	.09704	.01008	.00092	.11012	.18435	.00510	.00983	.01042	.01536	.09426
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9973	F .01303	.20407	.01049	.01950	1.0605	.04000	2.7256	.00910	.01578	F .00655	.01451	.42507
Stddev	.0004	.00111	.00185	.00016	.00002	.0235	.00010	.0065	.00026	.00069	.00204	.00178	.00382
%RSD	.01295	8.5406	.90567	1.5626	.10497	2.2158	.24524	.23913	2.8854	4.3547	31.213	12.251	.89897
#1	2.9976	.01382	.20276	.01038	.01952	1.0439	.04007	2.7209	.00928	.01626	.00510	.01576	.42237
#2	2.9971	.01225	.20538	.01061	.01949	1.0771	.03993	2.7302	.00891	.01529	.00799	.01325	.42777
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.90965	.10235	.00973	.01600	.00961	.01757	.07356	.00956	.02212	.01412
Stddev	.00818	.00133	.00012	.00019	.00005	.00041	.03479	.00018	.00045	.00047
%RSD	.89897	1.2996	1.2377	1.2026	.52666	2.3174	47.298	1.9231	2.0435	3.3096
#1	.90387	.10141	.00964	.01587	.00964	.01786	.09816	.00943	.02180	.01445
#2	.91543	.10329	.00981	.01614	.00957	.01729	.04896	.00969	.02243	.01379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3391.9	51511.	5520.7
Stddev	7.8	564.	50.9
%RSD	.23127	1.0950	.92289
#1	3386.4	51910.	5556.7
#2	3397.5	51112.	5484.6

Sample Name: 280-28286-B-1-A Acquired: 5/1/2012 23:46:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.03419	-.00435	1.0770	.04281	.00011	-.00013	130.58	.00111	.00216
Stddev	.00076	.00029	.00699	.0001	.00012	.00006	.00014	1.12	.00000	.00016
%RSD	128.85	.84050	160.83	.00805	.28219	53.942	109.00	.86113	.13236	7.3352
#1	.00005	.03399	-.00929	1.0769	.04272	.00015	-.00003	129.79	.00111	.00227
#2	.00113	.03440	.00060	1.0770	.04289	.00007	-.00023	131.38	.00111	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00355	1.2441	16.043	.44018	97.110	.25572	.00206	W 3398.3	.00419
Stddev	.00028	.00042	.0153	.606	.00593	.624	.00186	.00031	28.7	.00005
%RSD	74.416	11.760	1.2265	3.7759	1.3480	.64278	.72548	15.174	.84599	1.1014
#1	.00058	.00325	1.2333	15.614	.43598	96.668	.25441	.00184	3377.9	.00415
#2	.00018	.00384	1.2549	16.471	.44437	97.551	.25703	.00228	3418.6	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17307	.00105	F 215.24	.00020	-.00105	4.8121	10.298	.00004	W 19.564	-.00040
Stddev	.00709	.00156	.33	.00095	.00514	.0470	.101	.00150	.030	.00232
%RSD	4.0962	147.77	.15245	478.18	488.86	.97644	.97644	3724.4	.15104	573.78
#1	.16806	-.00005	215.47	-.00047	.00259	4.7789	10.227	.00110	19.585	.00124
#2	.17808	.00216	215.01	.00087	-.00469	4.8454	10.369	-.00102	19.543	-.00204
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	-.00084	.00180	.00061	.00602	.00039
Stddev	.00043	.00244	.01312	.00065	.00089	.00095
%RSD	39.382	290.60	729.91	105.90	14.840	242.68
#1	.00139	.00089	-.00748	.00107	.00539	-.00028
#2	.00078	-.00257	.01108	.00015	.00666	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2708.0	39831.	5267.3
Stddev	2.3	96.	8.2
%RSD	.08367	.24083	.15595
#1	2706.4	39899.	5273.1
#2	2709.6	39764.	5261.5

Sample Name: 280-28286-B-2-A Acquired: 5/1/2012 23:48:51 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.12215	-.00057	.54647	.18363	.00009	-.00417	177.22	.00058	.00101
Stddev	.00017	.00011	.00210	.00079	.00081	.00005	.00555	.13	.00004	.00022
%RSD	294.39	.09251	367.95	.14441	.43911	53.521	133.13	.07328	7.4035	22.099
#1	-.00006	.12207	.00091	.54702	.18420	.00005	-.00810	177.32	.00061	.00117
#2	.00018	.12223	-.00206	.54591	.18306	.00012	-.00024	177.13	.00055	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00230	.43587	19.961	.16765	40.448	.79172	.00121	W 573.63	.00695
Stddev	.00008	.00005	.00261	.005	.00137	.102	.00253	.00003	1.61	.00038
%RSD	11.390	1.9957	.59951	.02440	.81506	.25138	.31975	2.6308	.27984	5.5098
#1	.00067	.00233	.43772	19.964	.16862	40.376	.78993	.00123	574.76	.00722
#2	.00079	.00227	.43402	19.957	.16668	40.520	.79351	.00118	572.49	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08207	.00133	58.482	-.00047	.00404	6.9996	14.979	-.00106	4.6170	.00011
Stddev	.00197	.00058	.035	.00019	.00088	.0064	.014	.00030	.0106	.00043
%RSD	2.4031	43.251	.06041	41.196	21.780	.09194	.09194	28.499	.22970	390.23
#1	.08068	.00092	58.507	-.00033	.00467	6.9951	14.969	-.00127	4.6245	-.00019
#2	.08347	.00174	58.457	-.00060	.00342	7.0042	14.989	-.00084	4.6095	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00190	.00451	.00012	.01060	.00171
Stddev	.00060	.00159	.01762	.00010	.00028	.00169
%RSD	295.11	83.723	390.63	84.856	2.6688	98.768
#1	.00063	.00077	.01697	.00005	.01080	.00291
#2	-.00022	.00302	-.00795	.00019	.01040	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3041.0	45849.	5426.8
Stddev	7.1	72.	20.2
%RSD	.23366	.15666	.37263
#1	3046.0	45900.	5441.1
#2	3036.0	45798.	5412.5

Sample Name: 280-28286-B-3-A Acquired: 5/1/2012 23:51:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.07577	-.00447	1.0717	.76217	.00002	-.00460	105.66	.00078	-.00004
Stddev	.00021	.00055	.00320	.0012	.00606	.00011	.00082	1.07	.00000	.00003
%RSD	247.54	.72948	71.502	.10702	.79532	624.16	17.853	1.0101	.13245	96.816
#1	-.00006	.07616	-.00221	1.0708	.76645	-.00006	-.00518	106.42	.00078	-.00001
#2	.00024	.07538	-.00674	1.0725	.75788	.00010	-.00402	104.91	.00078	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00234	.79565	13.293	1.2185	47.701	.16712	.00067	W 1921.8	.00228
Stddev	.00024	.00038	.00674	.120	.0103	.183	.00113	.00006	16.3	.00012
%RSD	47.813	16.114	.84698	.90301	.84153	.38377	.67776	9.4206	.84820	5.3267
#1	.00033	.00207	.80042	13.208	1.2258	47.830	.16792	.00072	1933.3	.00219
#2	.00068	.00261	.79089	13.378	1.2113	47.571	.16632	.00063	1910.3	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21646	-.00122	29.785	.00000	-.00214	7.0530	15.094	-.00026	W 10.934	.00072
Stddev	.00096	.00126	.002	.00032	.00204	.0771	.165	.00064	.195	.00131
%RSD	.44128	103.20	.00775	8865.9	95.310	1.0929	1.0929	248.05	1.7869	181.90
#1	.21579	-.00033	29.783	-.00022	-.00070	7.1075	15.210	.00020	11.072	-.00021
#2	.21714	-.00212	29.786	.00023	-.00358	6.9985	14.977	-.00071	10.796	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00278	.00091	-.01557	.00149	.02908	.00169
Stddev	.00014	.00301	.00887	.00003	.00038	.00070
%RSD	5.0881	329.66	56.944	2.3048	1.3213	41.682
#1	.00288	.00304	-.00930	.00151	.02881	.00119
#2	.00268	-.00121	-.02184	.00146	.02935	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2867.4	42152.	5324.8
Stddev	3.4	157.	31.1
%RSD	.11952	.37223	.58393
#1	2865.0	42041.	5302.8
#2	2869.8	42263.	5346.7

Sample Name: 280-28286-B-4-A Acquired: 5/1/2012 23:53:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.11570	-.00286	1.4553	.27736	.00006	-.00170	193.89	.00115	.00071
Stddev	.00026	.00135	.00029	.0027	.00045	.00009	.00205	.33	.00031	.00033
%RSD	49.095	1.1635	10.009	.18772	.16256	138.65	120.53	.16791	27.143	46.594
#1	.00035	.11475	-.00266	1.4573	.27704	.00000	-.00316	193.66	.00138	.00048
#2	.00072	.11665	-.00306	1.4534	.27767	.00012	-.00025	194.12	.00093	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00692	.46181	26.932	.80609	161.14	.29808	.00091	W 5472.8	.00152
Stddev	.00009	.00053	.00294	.162	.00481	.65	.00096	.00005	14.3	.00017
%RSD	17.702	7.6979	.63743	.60321	.59675	.40602	.32371	5.2256	.26075	11.353
#1	.00060	.00730	.45973	26.817	.80269	161.61	.29876	.00087	5462.7	.00140
#2	.00047	.00654	.46389	27.046	.80949	160.68	.29740	.00094	5482.9	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17561	.00102	69.086	-.00258	.00580	4.8911	10.467	-.00060	F 35.935	-.00131
Stddev	.00252	.00148	.039	.00189	.00140	.0243	.052	.00095	.207	.00201
%RSD	1.4323	145.02	.05692	73.139	24.192	.49596	.49596	159.39	.57503	152.97
#1	.17383	-.00003	69.114	-.00125	.00481	4.8739	10.430	-.00127	36.081	-.00273
#2	.17739	.00207	69.058	-.00392	.00679	4.9082	10.504	.00008	35.789	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									20.000	
Low Limit									-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00555	-.00134	.00114	.00049	.00792	-.00004
Stddev	.00106	.00129	.03355	.00041	.00142	.00075
%RSD	19.012	96.562	2941.2	83.893	17.891	1990.7
#1	.00481	-.00225	-.02258	.00020	.00692	.00050
#2	.00630	-.00042	.02486	.00079	.00892	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2543.6	37645.	5239.5
Stddev	.5	50.	36.5
%RSD	.01952	.13300	.69616
#1	2543.3	37609.	5213.7
#2	2544.0	37680.	5265.3

Sample Name: 280-28286-B-5-A Acquired: 5/1/2012 23:56:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00063	1.0173	.00077	1.5328	.36802	.00025	-.00770	F 1034.4	.00323	.00531
Stddev	.00047	.0014	.00727	.0047	.00052	.00008	.00700	12.2	.00020	.00013
%RSD	74.550	.13943	941.00	.30823	.14201	32.356	90.803	1.1795	6.0833	2.4888
#1	.00096	1.0183	.00592	1.5361	.36765	.00019	-.00276	1043.0	.00337	.00522
#2	.00030	1.0163	-.00437	1.5295	.36839	.00030	-.01265	1025.8	.00310	.00540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01592	.01441	18.030	88.227	W 3.3115	W 828.74	1.8400	.00391	F 18136.	.01568
Stddev	.00071	.00008	.053	.161	.0142	3.19	.0088	.00007	443.	.00008
%RSD	4.4383	.55838	.29484	.18270	.42828	.38510	.47597	1.6747	2.4408	.51192
#1	.01642	.01447	18.068	88.341	3.3015	831.00	1.8462	.00387	18449.	.01574
#2	.01542	.01436	17.993	88.113	3.3216	826.48	1.8338	.00396	17823.	.01563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2.0000	500.00			10000.	
Low Limit					-.01000	-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1631	.00789	F 258.41	.00246	.01275	8.3546	17.879	.00237	^ *****	-.00615
Stddev	.0057	.00300	1.29	.00005	.00359	.0212	.045	.00016	-----	.00118
%RSD	.49107	37.982	.49942	1.9576	28.180	.25373	.25373	6.8951	-----	19.256
#1	1.1590	.01001	259.33	.00250	.01021	8.3696	17.911	.00225	^ -----	-.00531
#2	1.1671	.00577	257.50	.00243	.01529	8.3396	17.847	.00248	^ -----	-.00699
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03832	-.00060	-.03044	.00512	.02212	.00209
Stddev	.00296	.00089	.02810	.00031	.00192	.00013
%RSD	7.7236	148.53	92.307	6.0250	8.6874	6.2510
#1	.04041	.00003	-.01057	.00534	.02347	.00200
#2	.03623	-.00123	-.05031	.00491	.02076	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	1919.6	30612.	4884.6
Stddev	2.9	67.	60.2
%RSD	.15116	.21971	1.2334
#1	1917.6	30565.	4842.0
#2	1921.7	30660.	4927.2

Sample Name: 280-28286-B-6-A Acquired: 5/1/2012 23:59:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	2.0430	W 2.8919	.00035	1.7472	.55955	.00028	-.00344	W 916.22	.00286
Stddev	.00036	.0066	.0442	.00890	.0110	.00738	.00002	.00088	9.93	.00004
%RSD	76.771	.32176	1.5284	2510.0	.63023	1.3197	6.1166	25.691	1.0835	1.3849
#1	.00022	2.0476	2.8606	.00665	1.7394	.55433	.00029	-.00407	909.20	.00283
#2	.00073	2.0383	2.9231	-.00594	1.7550	.56477	.00026	-.00282	923.23	.00288
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00						500.00	
Low Limit			3.2000						-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00533	.00660	.00454	3.6405	75.656	W 2.6524	W 635.94	1.7947	.00047	F 16576.
Stddev	.00008	.00028	.00014	.0480	1.015	.0300	9.40	.0111	.00003	543.
%RSD	1.4526	4.2231	3.0459	1.3173	1.3416	1.1308	1.4788	.61628	7.1933	3.2773
#1	.00538	.00680	.00444	3.6066	74.939	2.6312	629.29	1.7869	.00044	16192.
#2	.00527	.00641	.00464	3.6744	76.374	2.6736	642.59	1.8026	.00049	16960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Fail
High Limit						2.0000	500.00			10000.
Low Limit						-.01000	-.10000			9.0000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01263	.47519	.00404	113.44	.00398	.01202	8.0594	17.247	.00296	^ *****
Stddev	.00019	.00431	.00043	.79	.00092	.00238	.0645	.138	.00243	-----
%RSD	1.5069	.90725	10.685	.69271	23.136	19.830	.80043	.80043	82.074	-----
#1	.01277	.47214	.00374	112.88	.00333	.01034	8.0138	17.149	.00468	^ -----
#2	.01250	.47823	.00435	113.99	.00464	.01371	8.1050	17.345	.00124	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00301	.06193	.00139	-.03316	.00662	.01565	.00258
Stddev	.00458	.00159	.00067	.02836	.00012	.00058	.00044
%RSD	152.25	2.5608	48.041	85.532	1.8854	3.7099	17.058
#1	.00023	.06080	.00186	-.05321	.00671	.01606	.00290
#2	-.00625	.06305	.00092	-.01310	.00654	.01524	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2012.7	31377.	4977.8
Stddev	3.5	154.	28.9
%RSD	.17316	.49201	.58049
#1	2015.2	31486.	4998.3
#2	2010.3	31268.	4957.4

Sample Name: 280-28286-B-7-A Acquired: 5/2/2012 0:02:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.13484	-.00029	1.0370	.10801	.00007	-.00134	91.340	.00099	.00040
Stddev	.00028	.00152	.00229	.0058	.00059	.00000	.00228	.075	.00007	.00012
%RSD	118.92	1.1264	784.45	.56161	.54487	7.0400	170.71	.08228	6.8903	29.478
#1	-.00004	.13377	-.00191	1.0329	.10760	.00006	-.00295	91.287	.00104	.00032
#2	-.00044	.13591	.00133	1.0411	.10843	.00007	.00028	91.393	.00095	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00309	.00310	.91838	14.964	.41890	70.222	.11992	.00192	W 3276.0	.00286
Stddev	.00001	.00022	.00068	.046	.00265	.161	.00002	.00007	9.3	.00021
%RSD	.26532	7.2383	.07364	.30725	.63296	.22963	.01255	3.9099	.28461	7.2960
#1	.00308	.00294	.91790	14.931	.41702	70.108	.11994	.00197	3269.4	.00271
#2	.00310	.00326	.91885	14.996	.42077	70.336	.11991	.00186	3282.6	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14377	-.00118	74.153	.00037	-.00147	4.6103	9.8661	-.00066	W 15.516	-.00167
Stddev	.00080	.00165	.326	.00074	.00384	.0076	.0163	.00014	.039	.00039
%RSD	.55364	140.50	.43994	196.23	260.51	.16561	.16561	20.924	.25360	23.130
#1	.14321	-.00234	73.922	.00090	-.00419	4.6049	9.8546	-.00075	15.544	-.00140
#2	.14433	-.00001	74.384	-.00015	.00124	4.6157	9.8777	-.00056	15.489	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00487	.00247	.00741	.00133	.00895	-.00027
Stddev	.00021	.00068	.00025	.00001	.00011	.00004
%RSD	4.2591	27.463	3.4370	.85413	1.2700	15.163
#1	.00501	.00295	.00723	.00134	.00903	-.00030
#2	.00472	.00199	.00759	.00132	.00887	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2776.9	41667.	5615.9
Stddev	3.5	128.	30.4
%RSD	.12507	.30642	.54143
#1	2779.4	41758.	5594.4
#2	2774.5	41577.	5637.4

Sample Name: CCVH-1390999 Acquired: 5/2/2012 0:04:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00166	47.554	.00073	.00646	.00064	.00007	1.0165	.08967	.00020	.00028	.00034	-.00483	47.461
Stddev	.00008	.400	.00189	.00004	.00011	.00004	.0051	.00799	.00005	.00029	.00021	.00003	.250
%RSD	4.9886	.84084	257.20	.65158	17.274	50.826	.50125	8.9120	25.349	104.88	61.813	.68141	.52608
#1	-.00172	47.271	.00207	.00643	.00072	.00004	1.0129	.09532	.00024	.00048	.00019	-.00481	47.284
#2	-.00160	47.837	-.00060	.00649	.00057	.00009	1.0201	.08402	.00017	.00007	.00048	-.00485	47.637
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22561	.00045	.02394	.00023	.00062	244.42	.00089	.01252	-.00059	5.0656	-.00067	.00178	-.00333
Stddev	.00476	.00005	.00613	.00002	.00034	1.63	.00072	.00210	.00167	.0196	.00134	.00734	.01010
%RSD	2.1118	11.968	25.590	6.5066	55.628	.66810	81.168	16.812	283.25	.38617	199.54	412.75	303.70
#1	.22224	.00041	.02827	.00024	.00037	243.26	.00038	.01401	-.00177	5.0518	.00028	-.00341	-.01047
#2	.22898	.00048	.01961	.00022	.00086	245.57	.00140	.01103	.00059	5.0794	-.00162	.00697	.00382
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00712	.00230	.01398	5.0396	.00831	.00147	10.447	-.00472	.00146	-.04769
Stddev	.02161	.00072	.00121	.0357	.00008	.00116	.102	.00039	.00010	.00344
%RSD	303.70	31.529	8.6656	.70755	.96242	78.822	.98047	8.2938	6.8101	7.2207
#1	-.02240	.00179	.01483	5.0144	.00825	.00065	10.374	-.00499	.00139	-.04526
#2	.00817	.00281	.01312	5.0648	.00836	.00228	10.519	-.00444	.00153	-.05013
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3324.2	50743.	5721.8
Stddev	3.8	68.	39.5
%RSD	.11359	.13320	.69056
#1	3326.9	50790.	5749.8
#2	3321.6	50695.	5693.9

Sample Name: CCV-1390955 Acquired: 5/2/2012 0:06:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50284	.48752	.99511	.48639	.49425	.45801	-.00355	4.6389	.50170	.49516	.49691	.52099	2.3970
Stddev	.00107	.00281	.00993	.00037	.00344	.00469	.00059	.0287	.00059	.00062	.00074	.00238	.0087
%RSD	.21198	.57660	.99801	.07515	.69580	1.0247	16.519	.61906	.11745	.12603	.14859	.45638	.36237
#1	.50359	.48951	1.0021	.48664	.49182	.45469	-.00397	4.6186	.50128	.49472	.49639	.52267	2.3908
#2	.50209	.48553	.98809	.48613	.49668	.46133	-.00314	4.6592	.50211	.49561	.49744	.51931	2.4031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.322	.94976	19.150	.49549	.49634	F 5.6694	.49273	.95532	1.0208	.04692	.97737	1.0155	4.5334
Stddev	.376	.00679	.095	.00143	.00058	.0326	.00030	.00258	.0012	.00262	.00050	.0095	.0516
%RSD	.77889	.71539	.49686	.28767	.11720	.57492	.06067	.27053	.11253	5.5804	.05100	.93923	1.1374
#1	48.056	.94495	19.217	.49650	.49593	5.6463	.49252	.95714	1.0216	.04507	.97772	1.0222	4.4969
#2	48.588	.95456	19.083	.49449	.49675	5.6924	.49294	.95349	1.0200	.04878	.97701	1.0087	4.5699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7015	.99079	.49115	.00067	.48256	1.0157	.01607	.49443	.49273	.48996
Stddev	.1103	.00314	.00259	.00003	.00087	.0069	.01016	.00303	.00251	.00211
%RSD	1.1374	.31643	.52700	4.4029	.18113	.67639	63.224	.61325	.50971	.43080
#1	9.6235	.98857	.48932	.00065	.48317	1.0108	.00889	.49658	.49451	.48847
#2	9.7795	.99300	.49298	.00069	.48194	1.0205	.02326	.49229	.49096	.49145
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3390.7	52218.	5781.6
Stddev	3.1	181.	31.5
%RSD	.09177	.34696	.54511
#1	3392.9	52090.	5803.9
#2	3388.5	52346.	5759.3

Sample Name: CCB Acquired: 5/2/2012 0:09:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.00018	.00008	.00413	.00035	.00016	-.00238	.01933	.00013	-.00012	.00010	-.00125
Stddev	.00027	.00022	.00109	.00019	.00014	.00004	.00300	.00215	.00018	.00027	.00027	.00004
%RSD	86.961	120.59	1378.4	4.5943	41.861	23.811	125.97	11.102	136.80	229.26	265.55	3.3021
#1	.00012	-.00033	.00085	.00399	.00045	.00019	-.00026	.01781	.00026	-.00031	.00029	-.00122
#2	.00051	-.00003	-.00069	.00426	.00024	.00014	-.00450	.02084	.00000	.00007	-.00009	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00103	.14345	.00021	W .01284	.00018	.00101	F .82212	-.00045	.00707	-.00047	.04141	-.00067
Stddev	.00106	.00375	.00034	.00137	.00002	.00004	.00781	.00019	.00258	.00090	.00038	.00037
%RSD	102.89	2.6169	163.83	10.692	12.012	3.7676	.94942	41.880	36.458	192.77	.92906	55.513
#1	.00178	.14611	.00045	.01381	.00016	.00098	.82764	-.00058	.00890	-.00110	.04114	-.00041
#2	.00028	.14080	-.00003	.01187	.00019	.00104	.81660	-.00032	.00525	.00017	.04168	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01070			.18320					
Low Limit				-.01070			-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	-.00921	-.01971	.00186	F .00248	.00297	.00024	-.00050	-.01520	-.00082	.00247	.00056
Stddev	.00344	.01143	.02446	.00116	.00008	.00023	.00013	.00085	.00316	.00009	.00027	.00002
%RSD	469.69	124.10	124.10	62.160	3.1412	7.8416	52.866	168.21	20.769	10.482	10.842	2.7109
#1	.00317	-.00113	-.00241	.00104	.00253	.00313	.00033	.00010	-.01743	-.00076	.00228	.00055
#2	-.00170	-.01729	-.03700	.00268	.00242	.00281	.00015	-.00111	-.01297	-.00088	.00266	.00057
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3413.6	53047.	5751.1
Stddev	6.8	23.	60.6
%RSD	.19838	.04248	1.0535
#1	3418.4	53063.	5793.9
#2	3408.8	53031.	5708.2

Sample Name: CCVL1390952 Acquired: 5/2/2012 0:11:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01049	.10143	.01168	.09942	.00999	.00093	.11629	.19581	.00522	.01008	.00989	.01486	.09752
Stddev	.00038	.00020	.00238	.00037	.00018	.00004	.00183	.00453	.00004	.00009	.00007	.00018	.00171
%RSD	3.6554	.19677	20.376	.37309	1.7969	4.2793	1.5709	2.3153	.73204	.84420	.71159	1.1887	1.7529
#1	.01022	.10129	.01336	.09916	.00986	.00090	.11758	.19261	.00519	.01002	.00994	.01473	.09873
#2	.01077	.10157	.01000	.09969	.01012	.00096	.11500	.19902	.00525	.01014	.00984	.01498	.09631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0406	F .01328	.20808	.01027	.01948	F 1.5831	.03986	2.7774	.00990	.03422	F .00602	F .01980	.43573
Stddev	.0306	.00010	.00034	.00000	.00029	.0084	.00035	.0063	.00005	.00194	.00012	.00156	.02562
%RSD	1.0049	.72885	.16472	.02846	1.4892	.53087	.87774	.22775	.49377	5.6803	1.9598	7.8733	5.8804
#1	3.0190	.01335	.20784	.01027	.01968	1.5891	.04010	2.7819	.00994	.03559	.00594	.01870	.41761
#2	3.0622	.01321	.20832	.01027	.01927	1.5772	.03961	2.7729	.00987	.03285	.00610	.02090	.45385
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value		.01000				1.0000					.01000	.01500	
Range		30.000%				30.000%					-30.000%	30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93247	.10272	.01133	.01457	.00985	.01754	F .08485	.00905	.02223	.01542
Stddev	.05483	.00028	.00004	.00005	.00013	.00056	.01973	.00046	.00049	.00103
%RSD	5.8804	.27230	.33340	.34723	1.3514	3.1818	23.251	5.0899	2.2151	6.6650
#1	.89369	.10253	.01130	.01453	.00975	.01715	.07090	.00873	.02258	.01615
#2	.97124	.10292	.01135	.01461	.00994	.01794	.09880	.00938	.02189	.01470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3474.2	53757.	5864.6
Stddev	3.8	233.	82.1
%RSD	.10986	.43309	1.4001
#1	3476.9	53922.	5922.7
#2	3471.5	53592.	5806.5

Sample Name: 280-28286-B-8-A Acquired: 5/2/2012 0:13:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00187	-.00408	.00360	.00015	.00010	-.00373	.02985	.00012	-.00041
Stddev	.00009	.00012	.00144	.00029	.00005	.00001	.00169	.00236	.00003	.00033
%RSD	35.672	6.2077	35.271	7.9612	35.304	6.2995	45.289	7.9052	28.508	80.418
#1	.00019	.00196	-.00509	.00340	.00019	.00010	-.00493	.03152	.00015	-.00018
#2	.00031	.00179	-.00306	.00381	.00012	.00010	-.00254	.02818	.00010	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00087	.00283	.08240	-.00061	.00810	.00021	-.00002	.56863	-.00034
Stddev	.00012	.00018	.00009	.03263	.00015	.00059	.00001	.00010	.00148	.00052
%RSD	249.41	21.112	3.0585	39.605	23.964	7.3199	5.8518	453.67	.26039	153.54
#1	-.00004	-.00100	.00277	.10547	-.00071	.00768	.00020	.00005	.56968	.00003
#2	.00013	-.00074	.00289	.05932	-.00051	.00852	.00022	-.00010	.56758	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00578	-.00009	.04351	.00109	.00264	-.02068	-.04425	.00036	.00103	.00216
Stddev	.00121	.00140	.00130	.00106	.00248	.00709	.01517	.00066	.00006	.00051
%RSD	20.848	1504.3	2.9773	96.963	93.980	34.284	34.284	181.04	5.3411	23.585
#1	.00493	.00090	.04260	.00034	.00089	-.02569	-.05497	-.00010	.00107	.00252
#2	.00663	-.00108	.04443	.00184	.00440	-.01566	-.03352	.00083	.00099	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00009	.02230	-.00038	.00267	-.00035
Stddev	.00006	.00041	.02143	.00043	.00011	.00004
%RSD	23.060	428.82	96.092	114.30	4.2440	11.787
#1	.00022	-.00038	.00715	-.00068	.00259	-.00032
#2	.00030	.00019	.03745	-.00007	.00275	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3450.6	53765.	5857.0
Stddev	5.0	530.	6.9
%RSD	.14570	.98554	.11799
#1	3447.1	54139.	5861.9
#2	3454.2	53390.	5852.1

Sample Name: 280-28201-C-1-A Acquired: 5/2/2012 0:16:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00069	-.00050	.00298	.00036	.00010	-.00158	.02547	.00022	-.00024
Stddev	.00014	.00019	.00156	.00063	.00028	.00000	.00193	.00098	.00002	.00016
%RSD	79.724	28.049	312.44	21.020	77.642	1.7304	122.37	3.8668	9.4351	67.840
#1	.00028	.00055	.00060	.00254	.00016	.00010	-.00294	.02477	.00021	-.00012
#2	.00008	.00082	-.00160	.00343	.00056	.00009	-.00021	.02617	.00024	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00085	.00304	.06714	.00022	.00487	.00011	-.00019	.48564	-.00051
Stddev	.00031	.00011	.00191	.01211	.00089	.00187	.00001	.00023	.00052	.00001
%RSD	501.28	12.372	62.802	18.043	405.55	38.403	9.8474	116.13	.10616	2.7255
#1	-.00028	-.00093	.00439	.05857	.00084	.00355	.00011	-.00003	.48528	-.00052
#2	.00016	-.00078	.00169	.07570	-.00041	.00619	.00010	-.00035	.48601	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00123	-.00082	.03636	-.00363	-.00014	-.00951	-.02036	.00013	.00083	.00119
Stddev	.00094	.00019	.00038	.00286	.00089	.00949	.02030	.00011	.00002	.00145
%RSD	76.073	23.465	1.0394	78.768	637.96	99.722	99.722	83.801	2.0697	122.08
#1	.00189	-.00096	.03662	-.00161	.00049	-.00281	-.00600	.00005	.00082	.00221
#2	.00057	-.00068	.03609	-.00565	-.00077	-.01622	-.03472	.00021	.00085	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00118	.02106	-.00039	.00192	-.00033
Stddev	.00003	.00048	.03007	.00040	.00039	.00049
%RSD	9.7029	40.599	142.78	100.91	20.168	149.90
#1	.00038	-.00084	-.00020	-.00068	.00164	.00002
#2	.00033	-.00151	.04233	-.00011	.00219	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3455.8	53976.	5892.7
Stddev	.1	52.	15.0
%RSD	.00388	.09692	.25410
#1	3455.7	54013.	5882.1
#2	3455.9	53939.	5903.3

Sample Name: 280-28201-C-2-A Acquired: 5/2/2012 0:18:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.02986	-.00171	.08940	.01462	.00007	-.00443	95.201	.00036	.00003
Stddev	.00015	.00061	.00329	.00125	.00022	.00001	.00056	.525	.00003	.00002
%RSD	126.30	2.0469	192.76	1.3973	1.4774	18.334	12.567	.55164	7.6650	63.082
#1	-.00001	.02943	.00062	.09028	.01477	.00006	-.00483	95.572	.00034	.00004
#2	-.00023	.03030	-.00403	.08851	.01447	.00008	-.00404	94.829	.00038	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00082	.00286	.02256	1.5846	.00042	2.8404	.00075	.00275	4.0460	.00069
Stddev	.00025	.00000	.00202	.0418	.00084	.0251	.00003	.00020	.0242	.00001
%RSD	30.874	.10213	8.9434	2.6398	200.62	.88539	3.8449	7.1449	.59683	2.0343
#1	.00100	.00286	.02114	1.6142	-.00017	2.8582	.00077	.00261	4.0631	.00068
#2	.00064	.00286	.02399	1.5550	.00101	2.8226	.00073	.00289	4.0289	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07983	.00007	12.239	-.00366	.00120	8.2956	17.753	.00070	.77398	.00141
Stddev	.00390	.00057	.010	.00120	.00062	.0257	.055	.00111	.00307	.00000
%RSD	4.8843	780.75	.08026	32.699	51.419	.30993	.30993	159.42	.39628	.25784
#1	.07708	-.00033	12.232	-.00451	.00163	8.3138	17.791	-.00009	.77615	.00141
#2	.08259	.00048	12.246	-.00282	.00076	8.2774	17.714	.00148	.77181	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00113	.00122	.01459	.03122	.00270	.00092
Stddev	.00021	.00174	.00197	.00049	.00037	.00024
%RSD	18.503	142.16	13.492	1.5837	13.857	25.477
#1	.00098	-.00001	.01598	.03157	.00296	.00109
#2	.00128	.00245	.01320	.03087	.00243	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3339.7	52194.	5870.0
Stddev	11.0	537.	14.2
%RSD	.32895	1.0290	.24158
#1	3347.4	51814.	5860.0
#2	3331.9	52573.	5880.0

Sample Name: 280-28201-C-3-A Acquired: 5/2/2012 0:21:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.05936	-.00027	1.3458	.07904	.00003	-.00463	W 509.38	.00062	.00235
Stddev	.00019	.00058	.00230	.0020	.00011	.00006	.00262	3.52	.00007	.00001
%RSD	887.73	.98263	859.33	.14938	.14173	172.87	56.668	.69064	12.100	.57114
#1	-.00016	.05895	.00136	1.3472	.07912	-.00001	-.00277	506.89	.00067	.00234
#2	.00011	.05977	-.00190	1.3444	.07896	.00008	-.00648	511.86	.00057	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00177	.01835	.28571	18.001	.04871	11.663	.07685	.03459	41.070	.01458
Stddev	.00021	.00003	.00023	.089	.00008	.055	.00047	.00001	.074	.00022
%RSD	11.911	.14117	.07941	.49531	.16511	.47143	.61012	.02978	.18140	1.4922
#1	.00192	.01837	.28555	17.938	.04877	11.624	.07651	.03460	41.017	.01474
#2	.00162	.01833	.28587	18.064	.04865	11.702	.07718	.03458	41.123	.01443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02871	.00177	F 413.11	.01211	.00482	12.214	26.138	.00105	2.0400	.00041
Stddev	.00086	.00138	.41	.00041	.00468	.086	.184	.00004	.0047	.00044
%RSD	2.9825	78.008	.10027	3.3447	96.996	.70337	.70337	4.0363	.22980	107.46
#1	.02932	.00079	413.40	.01240	.00813	12.153	26.008	.00102	2.0367	.00071
#2	.02811	.00274	412.82	.01183	.00151	12.275	26.268	.00108	2.0433	.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00377	.00108	.02958	.01190	.11597	.00051
Stddev	.00018	.00042	.00342	.00038	.00097	.00267
%RSD	4.7623	38.496	11.562	3.2292	.83358	519.22
#1	.00364	.00137	.02716	.01163	.11666	.00240
#2	.00389	.00079	.03199	.01217	.11529	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3091.5	48637.	5662.2
Stddev	7.5	190.	35.9
%RSD	.24184	.39045	.63409
#1	3096.8	48772.	5687.6
#2	3086.2	48503.	5636.8

Sample Name: 280-28201-C-4-A Acquired: 5/2/2012 0:23:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	.00901	.00001	.23036	.02571	.00005	-.00734	144.38	.00039	-.00029
Stddev	.00009	.00013	.00340	.00087	.00043	.00005	.00169	1.97	.00003	.00000
%RSD	116.67	1.4939	27786.	.37674	1.6719	107.56	23.090	1.3664	7.3710	.81936
#1	-.00001	.00911	-.00239	.23097	.02601	.00009	-.00614	145.77	.00041	-.00029
#2	-.00014	.00892	.00242	.22974	.02540	.00001	-.00854	142.98	.00037	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	.00016	.11674	12.109	.00410	4.1929	.03784	.01519	13.621	.00098
Stddev	.00005	.00014	.00297	.091	.00034	.0076	.00009	.00024	.103	.00029
%RSD	5.0631	88.363	2.5482	.75198	8.2515	.18103	.24544	1.5833	.75516	29.634
#1	.00087	.00006	.11884	12.174	.00434	4.1876	.03777	.01537	13.548	.00118
#2	.00093	.00026	.11464	12.045	.00386	4.1983	.03790	.01502	13.694	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15089	-.00007	86.486	-.00370	.00218	14.204	30.396	-.00044	.66257	.00078
Stddev	.00185	.00046	.090	.00081	.00163	.177	.378	.00028	.00733	.00026
%RSD	1.2285	646.60	.10405	21.959	74.765	1.2432	1.2432	64.911	1.1057	33.757
#1	.15220	.00026	86.549	-.00313	.00103	14.329	30.663	-.00064	.66775	.00060
#2	.14958	-.00040	86.422	-.00428	.00333	14.079	30.129	-.00024	.65739	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00044	.01933	.00271	.00562	-.00020
Stddev	.00002	.00148	.00444	.00052	.00011	.00050
%RSD	3.8212	334.65	22.961	19.029	1.9303	242.34
#1	.00063	-.00060	.01619	.00307	.00555	-.00056
#2	.00059	.00149	.02246	.00234	.00570	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3255.4	50302.	5686.8
Stddev	2.1	170.	84.1
%RSD	.06565	.33756	1.4790
#1	3253.9	50422.	5627.3
#2	3256.9	50182.	5746.3

Sample Name: 280-28201-C-5-A Acquired: 5/2/2012 0:25:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00711	-.00341	.13156	.01601	.00008	-.00127	111.08	.00029	-.00031
Stddev	.00025	.00007	.00566	.00005	.00023	.00004	.00064	.81	.00018	.00006
%RSD	474.28	.96512	165.85	.03605	1.4461	48.565	50.414	.73271	60.727	19.891
#1	.00023	.00706	.00059	.13152	.01617	.00010	-.00082	111.66	.00042	-.00027
#2	-.00013	.00716	-.00741	.13159	.01584	.00005	-.00173	110.51	.00017	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00121	-.00020	1.5444	7.1192	.00093	4.2563	.01272	.00286	16.436	-.00026
Stddev	.00018	.00024	.0130	.0163	.00089	.0371	.00016	.00048	.411	.00021
%RSD	14.477	120.27	.84376	.22824	94.833	.87076	1.2675	16.700	2.5008	79.685
#1	.00109	-.00038	1.5536	7.1307	.00031	4.2825	.01283	.00252	16.727	-.00011
#2	.00134	-.00003	1.5352	7.1077	.00156	4.2301	.01260	.00320	16.145	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16348	-.00072	13.699	-.00199	.00254	7.5517	16.161	-.00034	.96587	.00040
Stddev	.00216	.00104	.007	.00117	.00176	.0659	.141	.00006	.00541	.00016
%RSD	1.3191	144.34	.05162	58.670	69.458	.87218	.87218	18.342	.55990	40.869
#1	.16501	-.00145	13.694	-.00281	.00129	7.5982	16.260	-.00029	.96969	.00029
#2	.16196	.00001	13.704	-.00116	.00378	7.5051	16.061	-.00038	.96205	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00084	.04692	.00264	.00628	-.00082
Stddev	.00011	.00115	.02094	.00008	.00078	.00065
%RSD	21.983	137.16	44.639	2.9814	12.412	79.716
#1	.00043	.00003	.03211	.00259	.00683	-.00036
#2	.00059	.00165	.06173	.00270	.00573	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3276.8	50964.	5726.1
Stddev	.5	207.	16.8
%RSD	.01452	.40538	.29319
#1	3276.5	50818.	5714.2
#2	3277.2	51110.	5737.9

Sample Name: CCVH-1390999 Acquired: 5/2/2012 0:28:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00200	47.713	-.00008	.00445	.00034	.00005	1.0195	.04679	.00020	.00007	.00041	-.00453	47.293
Stddev	.00079	.555	.00583	.00124	.00009	.00004	.0013	.00503	.00007	.00006	.00016	.00012	.639
%RSD	39.558	1.1627	7645.3	27.840	27.909	67.695	.12331	10.742	34.888	85.535	39.428	2.6564	1.3514
#1	-.00257	47.321	-.00420	.00532	.00040	.00008	1.0204	.05034	.00025	.00011	.00053	-.00461	46.841
#2	-.00144	48.105	.00404	.00357	.00027	.00003	1.0186	.04324	.00015	.00003	.00030	-.00444	47.745
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06934	.00209	-.02148	.00022	.00032	243.01	.00103	.00724	.00050	5.0034	-.00327	.00038	-.00216
Stddev	.01036	.00096	.00412	.00005	.00009	1.73	.00003	.00059	.00188	.0010	.00075	.00011	.00010
%RSD	14.944	45.902	19.193	22.527	27.570	.71087	2.4389	8.1565	379.65	.02075	22.861	28.962	4.7760
#1	.06201	.00141	-.02440	.00025	.00038	241.79	.00101	.00766	.00183	5.0041	-.00380	.00030	-.00209
#2	.07667	.00277	-.01857	.00018	.00026	244.23	.00105	.00682	-.00084	5.0026	-.00274	.00046	-.00224
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00463	.00144	.00071	5.0364	.00805	.00195	10.423	-.00451	.00169	-.04854
Stddev	.00022	.00015	.00004	.0309	.00021	.00082	.089	.00002	.00017	.00025
%RSD	4.7760	10.138	6.2907	.61404	2.5692	41.826	.85860	.53350	9.8677	.50780
#1	-.00447	.00155	.00074	5.0145	.00791	.00253	10.360	-.00453	.00157	-.04836
#2	-.00479	.00134	.00067	5.0583	.00820	.00137	10.486	-.00450	.00180	-.04871
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3278.1	49684.	5605.8
Stddev	7.4	257.	32.6
%RSD	.22483	.51816	.58223
#1	3283.3	49866.	5628.8
#2	3272.9	49502.	5582.7

Sample Name: CCV-1390955 Acquired: 5/2/2012 0:30:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50072	.48414	.98771	.48204	.49470	.45855	-.00291	4.6581	.50062	.49292	.49678	.51468	2.3992
Stddev	.00404	.00011	.00672	.00087	.00079	.00108	.00174	.0045	.00062	.00062	.00058	.00395	.0043
%RSD	.80688	.02245	.68082	.17995	.16030	.23525	59.666	.09667	.12298	.12496	.11606	.76834	.18024
#1	.49787	.48422	.99246	.48142	.49414	.45779	-.00168	4.6613	.50106	.49335	.49637	.51188	2.3961
#2	.50358	.48406	.98295	.48265	.49526	.45931	-.00414	4.6550	.50019	.49248	.49718	.51747	2.4022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.617	.96084	19.163	.49425	.49596	4.9972	.49001	.93745	1.0185	.03423	.97147	.99994	4.5722
Stddev	.243	.00316	.166	.00408	.00024	.0214	.00087	.00903	.0012	.00155	.00090	.00520	.0138
%RSD	.49958	.32893	.86439	.82609	.04819	.42821	.17852	.96363	.11385	4.5196	.09217	.51993	.30094
#1	48.445	.95861	19.045	.49136	.49613	5.0123	.49063	.93106	1.0194	.03532	.97211	.99626	4.5624
#2	48.789	.96308	19.280	.49713	.49579	4.9821	.48939	.94384	1.0177	.03314	.97084	1.0036	4.5819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7844	.98827	.48700	.00081	.48091	1.0135	-.00045	.49360	.50118	.49009
Stddev	.0295	.00234	.00096	.00052	.00248	.0012	.00889	.00497	.00556	.00488
%RSD	.30094	.23651	.19757	64.358	.51540	.12058	1956.3	1.0061	1.1091	.99513
#1	9.7636	.98993	.48632	.00044	.47916	1.0144	-.00674	.49009	.49725	.48664
#2	9.8052	.98662	.48768	.00119	.48266	1.0126	.00583	.49711	.50511	.49354
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3338.1	49585.	5506.1
Stddev	2.8	760.	60.7
%RSD	.08476	1.5326	1.1026
#1	3336.1	50122.	5549.1
#2	3340.1	49047.	5463.2

Sample Name: CCB Acquired: 5/2/2012 0:32:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00007	-.00427	.00284	.00049	.00019	-.00256	.00118	.00007	-.00027	-.00001	-.00087
Stddev	.00011	.00039	.00118	.00096	.00011	.00010	.00057	.00175	.00015	.00003	.00019	.00001
%RSD	30.965	534.55	27.558	33.798	22.068	51.992	22.247	147.68	230.02	11.846	2057.1	1.7109
#1	.00044	.00020	-.00510	.00352	.00057	.00026	-.00216	-.00005	.00018	-.00025	.00012	-.00086
#2	.00028	-.00035	-.00344	.00216	.00042	.00012	-.00296	.00242	-.00004	-.00029	-.00014	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00161	.08096	W .00301	.00571	.00016	.00090	F .28954	-.00048	.00181	.00062	.03122	.00011
Stddev	.00354	.04394	.00036	.00090	.00003	.00078	.00295	.00026	.00522	.00060	.00090	.00173
%RSD	219.29	54.279	12.009	15.671	17.019	86.100	1.0175	54.498	287.84	97.080	2.8820	1519.8
#1	-.00089	.04989	.00275	.00635	.00014	.00035	.28746	-.00066	-.00188	.00105	.03186	-.00111
#2	.00411	.11203	.00326	.00508	.00018	.00145	.29163	-.00029	.00550	.00020	.03059	.00134
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.18320					
Low Limit			-.00261				-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00563	-.01206	.00152	.00015	.00028	.00022	.00202	.00696	-.00017	.00239	-.00068
Stddev	.00444	.01153	.02468	.00022	.00001	.00113	.00002	.00254	.02805	.00050	.00047	.00147
%RSD	6273.2	204.67	204.67	14.602	5.5424	406.43	10.661	126.02	403.32	288.70	19.633	214.86
#1	.00307	-.01379	-.02951	.00136	.00015	.00107	.00020	.00382	-.01288	.00018	.00272	.00035
#2	-.00321	.00252	.00539	.00168	.00016	-.00052	.00024	.00022	.02679	-.00052	.00206	-.00172
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3354.2	51963.	5562.1
Stddev	5.9	138.	41.8
%RSD	.17470	.26541	.75205
#1	3350.0	51865.	5591.7
#2	3358.3	52061.	5532.6

Sample Name: CCVL1390952 Acquired: 5/2/2012 0:35:20 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01087	.10055	.01558	.09835	.01014	.00104	.11466	.18515	.00517	.01019	.00999	.01545	.09589
Stddev	.00005	.00095	.00378	.00023	.00011	.00004	.00008	.00228	.00012	.00019	.00000	.00018	.00053
%RSD	.43306	.94608	24.265	.23598	1.0529	4.1463	.07366	1.2302	2.2293	1.8494	.04801	1.1331	.55773
#1	.01084	.10123	.01825	.09851	.01006	.00101	.11471	.18354	.00525	.01006	.00999	.01533	.09551
#2	.01091	.09988	.01290	.09818	.01021	.00107	.11460	.18676	.00508	.01033	.01000	.01558	.09627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0363	.00961	.20440	.01043	.01995	1.2234	.04013	2.7753	.00892	.02940	F .00584	.01547	.45575
Stddev	.0247	.00013	.00465	.00001	.00026	.0118	.00013	.0018	.00021	.00065	.00227	.00486	.00831
%RSD	.81401	1.3202	2.2757	.12365	1.3174	.96012	.31779	.06514	2.3429	2.2272	38.839	31.411	1.8238
#1	3.0188	.00952	.20111	.01042	.02014	1.2151	.04004	2.7740	.00907	.02894	.00424	.01891	.46163
#2	3.0538	.00970	.20769	.01044	.01977	1.2317	.04022	2.7765	.00877	.02986	.00744	.01204	.44987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97530	.10186	.00985	.01564	.00986	.01590	F .08730	.00970	.02281	.01520
Stddev	.01779	.00002	.00005	.00076	.00015	.00001	.01453	.00020	.00090	.00004
%RSD	1.8238	.01731	.47031	4.8684	1.4951	.03602	16.642	2.1055	3.9473	.26567
#1	.98788	.10187	.00982	.01618	.00996	.01590	.07703	.00955	.02218	.01523
#2	.96272	.10185	.00988	.01510	.00975	.01591	.09757	.00984	.02345	.01517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3431.3	52742.	5682.0
Stddev	10.6	458.	48.2
%RSD	.30758	.86912	.84774
#1	3438.8	53066.	5716.1
#2	3423.9	52418.	5647.9

Sample Name: MB 280-117487/1-A Acquired: 5/2/2012 0:37:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00114	-.00451	.00180	.00016	.00006	-.00289	.01012	.00028	-.00005
Stddev	.00017	.00007	.00098	.00038	.00014	.00003	.00515	.00037	.00002	.00017
%RSD	64.290	6.0423	21.651	21.303	88.325	54.400	178.20	3.6544	7.5442	334.23
#1	.00038	.00110	-.00520	.00207	.00025	.00008	-.00653	.01038	.00027	-.00017
#2	.00014	.00119	-.00382	.00153	.00006	.00004	.00075	.00986	.00030	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00103	.00177	.04995	.00082	.00271	.00012	.00001	.24669	-.00050
Stddev	.00020	.00010	.00358	.00113	.00060	.00086	.00000	.00036	.00660	.00007
%RSD	1621.6	9.3474	201.67	2.2631	73.605	31.554	1.0071	2392.2	2.6774	14.394
#1	.00015	-.00096	.00430	.05075	.00125	.00332	.00012	-.00024	.25136	-.00056
#2	-.00013	-.00110	-.00076	.04915	.00039	.00211	.00012	.00027	.24202	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00233	-.00036	F .03010	-.00032	.00408	F -.01957	-.04187	.00115	.00010	.00143
Stddev	.00141	.00002	.00103	.00018	.00157	.00051	.00110	.00053	.00008	.00042
%RSD	60.325	5.4123	3.4278	54.029	38.422	2.6204	2.6204	45.738	86.574	29.413
#1	.00333	-.00034	.02937	-.00045	.00297	-.01993	-.04265	.00152	.00015	.00114
#2	.00134	-.00037	.03083	-.00020	.00519	-.01920	-.04110	.00078	.00004	.00173
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00039	.01582	-.00004	.00167	-.00110
Stddev	.00032	.00063	.01054	.00008	.00058	.00058
%RSD	518.66	159.22	66.638	196.42	34.574	53.242
#1	-.00017	-.00005	.02327	-.00009	.00207	-.00151
#2	.00029	.00084	.00837	.00002	.00126	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3409.5	52775.	5689.1
Stddev	.8	169.	67.7
%RSD	.02448	.32045	1.1909
#1	3408.9	52655.	5641.2
#2	3410.1	52894.	5737.0

Sample Name: LCS 280-117487/2-A Acquired: 5/2/2012 0:40:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05088	1.8268	1.0165	.97591	1.9676	.04637	2.1152	45.559	.09959	.48140
Stddev	.00018	.0004	.0000	.00078	.0104	.00021	.0100	.219	.00014	.00008
%RSD	.34732	.01950	.00398	.07958	.52972	.44848	.47084	.47999	.14148	.01632
#1	.05100	1.8265	1.0165	.97646	1.9750	.04652	2.1223	45.714	.09969	.48134
#2	.05075	1.8270	1.0164	.97536	1.9603	.04622	2.1082	45.405	.09949	.48145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19687	.25754	.94734	48.744	.96136	47.327	.49465	1.0032	50.605	.48052
Stddev	.00050	.00150	.00677	.212	.00310	.324	.00299	.0008	.163	.00067
%RSD	.25223	.58098	.71422	.43400	.32237	.68497	.60453	.07438	.32208	.13940
#1	.19722	.25648	.95213	48.894	.96355	47.098	.49253	1.0038	50.720	.48005
#2	.19652	.25860	.94256	48.595	.95917	47.556	.49676	1.0027	50.490	.48099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6944	.48913	.03576	.48329	2.0227	F 9.2825	F 19.864	1.9665	.98412	1.0094
Stddev	.0068	.00019	.00216	.00082	.0115	.0097	.021	.0006	.00478	.0053
%RSD	.07014	.03923	6.0323	.17022	.57012	.10450	.10450	.02841	.48545	.52416
#1	9.6896	.48926	.03729	.48271	2.0309	9.2893	19.879	1.9661	.98750	1.0056
#2	9.6992	.48899	.03424	.48387	2.0145	9.2756	19.850	1.9669	.98074	1.0131
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98031	1.9557	2.1791	.49882	.48978	.48461
Stddev	.00391	.0023	.0019	.00413	.00447	.00391
%RSD	.39924	.11757	.08544	.82835	.91349	.80594
#1	.97754	1.9541	2.1804	.49589	.48661	.48737
#2	.98307	1.9573	2.1777	.50174	.49294	.48185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3265.9	50131.	5605.1
Stddev	.9	323.	49.3
%RSD	.02784	.64478	.88034
#1	3265.3	50359.	5570.2
#2	3266.5	49902.	5640.0

Sample Name: 280-28207-D-1-A Acquired: 5/2/2012 0:42:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	1.2352	-.00342	.37683	.05497	.00008	-.00570	W 506.09	.00083	.00061
Stddev	.00062	.0042	.00315	.00053	.00045	.00010	.00188	1.31	.00026	.00031
%RSD	153.29	.34158	92.209	.14134	.81683	118.95	32.918	.25952	31.751	50.437
#1	-.00003	1.2382	-.00119	.37721	.05528	.00015	-.00437	507.02	.00064	.00082
#2	.00084	1.2323	-.00565	.37646	.05465	.00001	-.00702	505.16	.00101	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00274	.00217	3.2069	2.7719	.08407	84.852	.40991	.00295	51.134	.00084
Stddev	.00011	.00044	.0231	.0267	.00198	.397	.00230	.00030	.406	.00061
%RSD	3.8612	20.364	.71997	.96454	2.3540	.46796	.55999	10.317	.79387	72.157
#1	.00267	.00248	3.2232	2.7908	.08547	85.133	.41153	.00273	51.421	.00041
#2	.00282	.00186	3.1906	2.7530	.08267	84.571	.40828	.00316	50.847	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08976	-.00082	F 489.89	-.00113	.01126	11.281	24.142	.00063	W 9.7004	.00068
Stddev	.00180	.00003	.87	.00085	.00425	.063	.134	.00048	.0158	.00038
%RSD	2.0003	3.6844	.17787	75.720	37.797	.55597	.55597	75.510	.16323	56.657
#1	.08849	-.00080	489.28	-.00052	.01427	11.325	24.236	.00097	9.6892	.00095
#2	.09103	-.00084	490.51	-.00173	.00825	11.237	24.047	.00029	9.7116	.00041
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01938	.00225	-.00724	.00432	.00767	.00028
Stddev	.00039	.00186	.00575	.00019	.00129	.00008
%RSD	1.9987	82.737	79.407	4.3359	16.856	27.475
#1	.01911	.00093	-.00317	.00418	.00859	.00034
#2	.01966	.00357	-.01130	.00445	.00676	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3073.1	47403.	5532.8
Stddev	3.2	165.	31.4
%RSD	.10274	.34787	.56699
#1	3075.3	47287.	5510.7
#2	3070.8	47520.	5555.0

Sample Name: sd 280-28207-D-1-A@5 Acquired: 5/2/2012 0:44:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.28064	-.00415	.07734	.01085	.00002	.00060	101.89	.00042	.00009
Stddev	.00081	.00032	.00446	.00016	.00020	.00001	.00081	.66	.00022	.00033
%RSD	237.78	.11516	107.46	.20164	1.8206	27.617	133.75	.64726	52.960	363.72
#1	.00091	.28041	-.00100	.07745	.01099	.00002	.00003	102.36	.00026	.00032
#2	-.00023	.28087	-.00730	.07723	.01071	.00003	.00117	101.43	.00058	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	-.00033	.63921	.54140	.01616	16.944	.08179	.00043	9.2906	W 10.486
Stddev	.00024	.00004	.00230	.01077	.00050	.050	.00058	.00036	.0518	.271
%RSD	38.941	13.305	.36054	1.9890	3.1201	.29487	.70990	83.575	.55744	2.5882
#1	.00078	-.00030	.64084	.53378	.01651	16.979	.08220	.00069	9.3272	10.678
#2	.00044	-.00036	.63758	.54901	.01580	16.909	.08138	.00018	9.2540	10.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	.01954	-.00123	95.777	-.00377	.00251	2.1858	4.6777	-.00041	1.9351
Stddev	.00008	.00194	.00203	.036	.00073	.00231	.0168	.0360	.00057	.0082
%RSD	45.957	9.9543	164.45	.03802	19.412	92.003	.76955	.76955	138.95	.42380
#1	-.00011	.02091	-.00267	95.802	-.00326	.00088	2.1977	4.7032	-.00082	1.9409
#2	-.00022	.01816	.00020	95.751	-.00429	.00414	2.1740	4.6523	-.00001	1.9293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00468	.00073	.00743	.00054	.00440	.00170
Stddev	.00153	.00022	.00053	.02885	.00007	.00051	.00104
%RSD	305.45	4.7660	72.258	388.36	13.031	11.637	61.185
#1	.00158	.00483	.00036	-.01297	.00059	.00404	.00244
#2	-.00058	.00452	.00111	.02783	.00049	.00477	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3287.2	51008.	5687.4
Stddev	.9	118.	29.4
%RSD	.02590	.23187	.51639
#1	3287.8	50924.	5666.6
#2	3286.6	51092.	5708.1

Sample Name: 280-28207-D-1-B MS Acquired: 5/2/2012 0:47:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05246	3.9287	1.0688	1.3305	2.0591	.04573	F 2.1241	W 532.21	.10323	.47184
Stddev	.00046	.0179	.0027	.0020	.0161	.00034	.0020	4.94	.00031	.00001
%RSD	.87703	.45522	.25738	.15271	.78050	.74904	.09244	.92740	.30300	.00136
#1	.05278	3.9413	1.0707	1.3319	2.0477	.04549	2.1254	535.70	.10301	.47183
#2	.05213	3.9160	1.0669	1.3290	2.0704	.04597	2.1227	528.72	.10345	.47184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20115	.26575	4.1384	53.825	1.0872	129.22	.88877	1.0051	101.76	.46769
Stddev	.00023	.00046	.0278	.372	.0038	.27	.00334	.0021	.69	.00006
%RSD	.11432	.17497	.67240	.69110	.34863	.21129	.37601	.20879	.68088	.01272
#1	.20131	.26608	4.1187	53.562	1.0845	129.41	.89113	1.0066	101.27	.46765
#2	.20099	.26542	4.1581	54.088	1.0899	129.03	.88641	1.0037	102.25	.46773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.276	.47296	F 480.50	.50004	2.1300	21.669	46.371	1.9159	W 10.571	1.0113
Stddev	.013	.00094	1.01	.00217	.0027	.152	.326	.0002	.076	.0044
%RSD	.12571	.19932	.21014	.43407	.12625	.70269	.70269	.01223	.72255	.43397
#1	10.285	.47230	481.21	.50158	2.1281	21.561	46.141	1.9158	10.625	1.0144
#2	10.267	.47363	479.78	.49851	2.1319	21.776	46.602	1.9161	10.517	1.0082
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99654	1.8067	2.1530	.50971	.48079	.48210
Stddev	.00395	.0013	.0059	.00323	.00265	.00620
%RSD	.39595	.07276	.27505	.63364	.55028	1.2861
#1	.99933	1.8076	2.1489	.51199	.48266	.47772
#2	.99375	1.8058	2.1572	.50742	.47892	.48649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2998.5	46668.	5473.1
Stddev	2.5	157.	3.4
%RSD	.08184	.33610	.06248
#1	2996.8	46557.	5470.7
#2	3000.3	46779.	5475.5

Sample Name: 280-28207-D-1-C MSD Acquired: 5/2/2012 0:49:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05211	3.8406	1.0662	1.3306	2.0473	.04559	F 2.1079	W 529.15	.10237	.46792
Stddev	.00036	.0640	.0012	.0008	.0250	.00059	.0061	1.87	.00016	.00152
%RSD	.68273	1.6652	.11567	.05679	1.2233	1.2972	.29083	.35380	.15775	.32457
#1	.05236	3.7954	1.0671	1.3311	2.0296	.04518	2.1123	530.48	.10249	.46685
#2	.05186	3.8858	1.0653	1.3301	2.0650	.04601	2.1036	527.83	.10226	.46900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20016	.26502	4.1034	53.624	1.0809	129.14	.88833	1.0063	101.36	.46526
Stddev	.00035	.00181	.0445	.667	.0125	.06	.00052	.0001	.91	.00030
%RSD	.17492	.68477	1.0847	1.2437	1.1526	.04962	.05803	.00537	.89701	.06552
#1	.19992	.26630	4.0720	53.152	1.0721	129.10	.88796	1.0063	100.72	.46505
#2	.20041	.26374	4.1349	54.095	1.0898	129.19	.88869	1.0062	102.00	.46548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.206	.46946	F 480.76	.49180	2.1191	21.477	45.961	1.9155	W 10.674	1.0060
Stddev	.024	.00109	.28	.00059	.0060	.263	.562	.0031	.176	.0034
%RSD	.23267	.23148	.05885	.12003	.28087	1.2236	1.2236	.16180	1.6513	.33782
#1	10.223	.47023	480.96	.49222	2.1233	21.291	45.563	1.9177	10.549	1.0036
#2	10.189	.46869	480.56	.49139	2.1149	21.663	46.359	1.9133	10.799	1.0084
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99101	1.7963	2.1461	.50463	.47697	.48388
Stddev	.00158	.0009	.0337	.00151	.00326	.00976
%RSD	.15900	.05227	1.5689	.29947	.68427	2.0163
#1	.98990	1.7969	2.1699	.50356	.47467	.47698
#2	.99213	1.7956	2.1223	.50570	.47928	.49078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3006.2	46879.	5479.4
Stddev	2.3	193.	36.6
%RSD	.07524	.41126	.66737
#1	3007.8	47015.	5505.2
#2	3004.6	46742.	5453.5

Sample Name: 280-28207-D-2-A Acquired: 5/2/2012 0:51:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	1.2191	.03008	.58925	.05948	.00010	-.00497	W 560.40	.00109	.00344
Stddev	.00009	.0059	.00090	.00211	.00050	.00004	.00197	6.99	.00007	.00011
%RSD	26.121	.47999	3.0025	.35825	.84065	37.507	39.652	1.2466	6.3482	3.2958
#1	.00041	1.2232	.03072	.59074	.05912	.00012	-.00358	565.34	.00114	.00336
#2	.00028	1.2149	.02944	.58775	.05983	.00007	-.00637	555.46	.00105	.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00330	.00192	5.6487	4.2421	.09667	87.236	2.2134	.01216	95.475	.00299
Stddev	.00025	.00063	.0650	.0055	.00263	.646	.0193	.00031	.875	.00005
%RSD	7.4808	33.106	1.1500	.12960	2.7253	.74060	.87045	2.5410	.91632	1.7889
#1	.00348	.00237	5.6028	4.2382	.09481	86.780	2.1997	.01194	94.856	.00295
#2	.00313	.00147	5.6946	4.2460	.09853	87.693	2.2270	.01238	96.093	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23077	.00247	F 507.68	.00116	.00788	11.931	25.532	-.00021	W 11.228	.00300
Stddev	.00024	.00077	.91	.00124	.00160	.114	.244	.00084	.114	.00044
%RSD	.10488	31.214	.17978	107.08	20.335	.95500	.95500	389.73	1.0142	14.588
#1	.23094	.00302	508.32	.00028	.00901	11.850	25.360	-.00081	11.148	.00331
#2	.23060	.00193	507.03	.00204	.00674	12.011	25.705	.00038	11.309	.00269
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01891	.00259	-.02488	.00713	.00698	.00087
Stddev	.00007	.00027	.00361	.00025	.00035	.00335
%RSD	.38784	10.495	14.499	3.5716	4.9795	383.64
#1	.01896	.00240	-.02743	.00695	.00723	-.00150
#2	.01885	.00278	-.02233	.00731	.00674	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.3	46782.	5545.4
Stddev	10.1	335.	44.3
%RSD	.33379	.71637	.79871
#1	3027.1	47019.	5576.7
#2	3041.4	46545.	5514.1

Sample Name: 280-28207-D-3-A Acquired: 5/2/2012 0:54:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.71690	-.00054	.48010	.22679	.00009	-.00414	487.10	.00103	.00072
Stddev	.00052	.00789	.00514	.00209	.00062	.00002	.00382	9.19	.00008	.00001
%RSD	122.83	1.1002	955.96	.43614	.27175	19.165	92.245	1.8872	8.1007	.73964
#1	.00006	.72248	.00310	.47862	.22636	.00007	-.00684	480.60	.00097	.00072
#2	.00079	.71133	-.00417	.48158	.22723	.00010	-.00144	493.60	.00108	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00293	.00186	3.1781	3.4601	.08321	89.119	.74286	.00060	68.995	.00143
Stddev	.00033	.00023	.0106	.0391	.00143	.737	.00577	.00018	.065	.00031
%RSD	11.186	12.413	.33438	1.1308	1.7198	.82681	.77652	29.979	.09486	21.759
#1	.00270	.00170	3.1706	3.4878	.08220	88.598	.73878	.00048	68.949	.00165
#2	.00316	.00202	3.1856	3.4325	.08422	89.640	.74694	.00073	69.041	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49697	-.00021	F 460.51	-.00116	.00547	8.5093	18.210	-.00090	W 10.327	-.00006
Stddev	.00340	.00150	.30	.00168	.00352	.0556	.119	.00072	.147	.00139
%RSD	.68387	729.32	.06614	145.29	64.316	.65327	.65327	79.988	1.4238	2166.7
#1	.49457	-.00127	460.73	.00003	.00298	8.4700	18.126	-.00039	10.431	.00092
#2	.49937	.00086	460.30	-.00235	.00796	8.5486	18.294	-.00141	10.223	-.00105
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01765	.00243	-.01138	.00680	.00808	.00254
Stddev	.00027	.00219	.00005	.00010	.00115	.00063
%RSD	1.5288	90.328	.40331	1.4686	14.253	24.821
#1	.01784	.00398	-.01134	.00673	.00889	.00299
#2	.01746	.00088	-.01141	.00688	.00726	.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.5	47477.	5583.1
Stddev	5.2	117.	16.0
%RSD	.16799	.24725	.28586
#1	3073.8	47560.	5594.4
#2	3081.1	47394.	5571.8

Sample Name: 280-28207-D-4-A Acquired: 5/2/2012 0:56:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	W 3.1573	-.00465	.86706	.09976	.00024	-.00746	416.46	.00107	.00058
Stddev	.00081	.0051	.00015	.00207	.00001	.00005	.00060	2.75	.00020	.00008
%RSD	466.39	.16280	3.1733	.23889	.00969	18.780	8.0467	.66150	18.633	13.283
#1	.00075	3.1609	-.00455	.86853	.09976	.00028	-.00788	418.41	.00121	.00052
#2	-.00040	3.1536	-.00476	.86560	.09977	.00021	-.00703	414.51	.00093	.00063
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00563	.00402	3.4028	7.6200	.16634	71.444	.19258	.00016	340.03	.00148
Stddev	.00016	.00042	.0015	.0094	.00274	.334	.00072	.00025	.43	.00021
%RSD	2.7761	10.514	.04498	.12364	1.6501	.46797	.37562	162.12	.12773	14.276
#1	.00552	.00432	3.4039	7.6267	.16828	71.680	.19309	.00034	339.72	.00163
#2	.00574	.00372	3.4018	7.6134	.16440	71.207	.19206	-.00002	340.33	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28432	.00100	F 511.18	-.00139	.00401	19.323	41.351	-.00086	W 9.2414	.00097
Stddev	.00594	.00004	.20	.00037	.00159	.090	.193	.00014	.0752	.00005
%RSD	2.0892	3.9651	.03915	26.394	39.664	.46591	.46591	16.365	.81410	5.1300
#1	.28852	.00102	511.32	-.00165	.00513	19.259	41.215	-.00096	9.2946	.00100
#2	.28012	.00097	511.03	-.00113	.00288	19.387	41.488	-.00076	9.1883	.00093
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07269	.00159	.00124	.01308	.01589	.00280
Stddev	.00300	.00197	.03095	.00013	.00117	.00066
%RSD	4.1306	123.61	2494.2	.96856	7.3355	23.405
#1	.07481	.00020	-.02064	.01317	.01671	.00327
#2	.07056	.00298	.02313	.01299	.01506	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3071.3	46703.	5660.7
Stddev	4.2	129.	33.7
%RSD	.13801	.27722	.59444
#1	3074.3	46611.	5684.5
#2	3068.3	46794.	5636.9

Sample Name: CCVH-1390999 Acquired: 5/2/2012 0:59:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00171	47.173	.00128	.00496	.00056	.00001	1.0089	.15212	.00018	.00010	.00035	-.00450
Stddev	.00028	.528	.00002	.00040	.00019	.00004	.0012	.04888	.00012	.00035	.00037	.00042
%RSD	16.363	1.1193	1.8191	7.9672	34.884	542.29	.11607	32.133	64.875	360.07	105.03	9.3369
#1	-.00152	47.547	.00126	.00524	.00042	.00004	1.0097	.18669	.00026	-.00015	.00061	-.00420
#2	-.00191	46.800	.00130	.00468	.00069	-.00002	1.0081	.11756	.00010	.00034	.00009	-.00480
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	46.951	.10831	.00039	-.01508	.00008	.00036	241.66	.00124	.00143	-.00084	5.0450	-.00120
Stddev	.517	.01565	.00148	.00496	.00002	.00002	2.24	.00020	.00161	.00114	.0097	.00429
%RSD	1.1005	14.452	383.54	32.890	20.956	5.7297	.92871	16.281	113.05	135.76	.19190	356.55
#1	47.316	.11938	.00143	-.01157	.00007	.00035	243.24	.00139	.00029	-.00003	5.0382	.00183
#2	46.586	.09724	-.00066	-.01859	.00010	.00038	240.07	.00110	.00257	-.00165	5.0519	-.00423
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00192	.00078	.00166	.00184	.00345	5.0692	.00826	.00100	W 10.534	-.00412	.00127	-.04818
Stddev	.00274	.00489	.01046	.00017	.00108	.0386	.00007	.00170	.085	.00031	.00054	.00069
%RSD	142.90	629.57	629.57	9.3541	31.232	.76175	.79587	169.66	.80793	7.5858	42.603	1.4296
#1	.00386	.00423	.00906	.00171	.00422	5.0965	.00830	-.00020	10.594	-.00434	.00166	-.04769
#2	-.00002	-.00268	-.00574	.00196	.00269	5.0419	.00821	.00220	10.474	-.00390	.00089	-.04867
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3312.0	49890.	5704.9
Stddev	9.7	394.	22.6
%RSD	.29258	.78965	.39564
#1	3318.8	49612.	5688.9
#2	3305.1	50169.	5720.9

Sample Name: CCV-1390955 Acquired: 5/2/2012 1:01:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50604	.48094	.99453	.48050	.49083	.45169	-.00073	4.5961	.49850	.49239	.49483	.52286
Stddev	.00138	.00218	.00976	.00062	.00178	.00183	.00052	.0166	.00016	.00043	.00021	.00174
%RSD	.27301	.45310	.98162	.12986	.36206	.40483	71.058	.36028	.03151	.08683	.04229	.33237
#1	.50507	.47940	.98763	.48095	.49209	.45298	-.00036	4.6078	.49861	.49269	.49498	.52163
#2	.50702	.48248	1.0014	.48006	.48958	.45040	-.00109	4.5844	.49839	.49209	.49468	.52409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3646	48.238	.95105	19.109	.49602	.49425	4.9140	.48963	.93917	1.0188	.05324	.96654
Stddev	.0104	.300	.00519	.036	.00076	.00094	.0281	.00053	.00081	.0040	.00553	.00083
%RSD	.43894	.62254	.54532	.18708	.15303	.19011	.57247	.10908	.08645	.39205	10.380	.08628
#1	2.3719	48.450	.95472	19.083	.49549	.49358	4.9338	.49001	.93860	1.0216	.04933	.96713
#2	2.3572	48.025	.94739	19.134	.49656	.49491	4.8941	.48925	.93974	1.0160	.05714	.96595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0087	W 4.4957	W 9.6207	.98374	.48260	.00002	.48421	1.0075	.03005	.49811	.49695	.48696
Stddev	.0033	.0037	.0079	.00340	.00202	.00003	.00003	.0007	.02596	.00306	.00136	.00170
%RSD	.32620	.08238	.08238	.34559	.41808	148.30	.00664	.06656	86.382	.61529	.27272	.34884
#1	1.0111	4.4983	9.6263	.98614	.48402	.00004	.48423	1.0080	.04841	.49594	.49791	.48816
#2	1.0064	4.4930	9.6151	.98133	.48117	.00000	.48418	1.0071	.01170	.50027	.49599	.48576
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000	10.700									
Range		-10.000%	-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3373.5	51823.	5699.0
Stddev	2.9	57.	17.0
%RSD	.08590	.10940	.29787
#1	3375.6	51783.	5687.0
#2	3371.5	51863.	5711.0

Sample Name: CCB Acquired: 5/2/2012 1:04:03 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00003	-.00153	.00305	.00029	.00018	-.00442	.00295	.00005	-.00001	.00012	-.00105	-.00001
Stddev	.00022	.00030	.00138	.00023	.00016	.00004	.00063	.00518	.00011	.00017	.00022	.00001	.00061
%RSD	74.284	1051.1	90.071	7.4987	54.606	23.357	14.363	175.23	221.11	1493.7	190.05	1.2015	4371.4
#1	.00046	.00024	-.00055	.00321	.00041	.00021	-.00486	.00661	-.00003	-.00013	-.00004	-.00104	.00042
#2	.00014	-.00019	-.00250	.00289	.00018	.00015	-.00397	-.00071	.00013	.00011	.00027	-.00106	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06797	.00112	.00414	.00008	.00091	F .22491	-.00036	.00047	-.00004	.04784	-.00175	.00245	-.01746
Stddev	.01649	.00166	.00173	.00006	.00008	.01856	.00029	.00300	.00034	.00868	.00096	.00395	.01185
%RSD	24.264	147.55	41.867	66.160	9.0452	8.2504	79.766	637.08	874.63	18.140	54.943	161.50	67.877
#1	.07963	.00229	.00537	.00012	.00097	.23803	-.00056	.00259	-.00028	.04170	-.00243	-.00035	-.02583
#2	.05631	-.00005	.00291	.00005	.00085	.21179	-.00016	-.00165	.00020	.05397	-.00107	.00524	-.00908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03736	.00100	.00025	.00123	.00047	-.00087	.01198	-.00046	.00226	.00032
Stddev	.02536	.00037	.00013	.00190	.00011	.00067	.00640	.00004	.00036	.00056
%RSD	67.877	37.329	52.722	155.40	24.032	76.146	53.475	8.6775	16.045	175.80
#1	-.05529	.00127	.00034	.00257	.00055	-.00134	.00745	-.00043	.00200	-.00008
#2	-.01943	.00074	.00016	-.00012	.00039	-.00040	.01650	-.00049	.00251	.00071
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3381.8	52327.	5658.3
Stddev	4.2	81.	32.9
%RSD	.12473	.15541	.58200
#1	3384.8	52270.	5635.0
#2	3378.8	52385.	5681.6

Sample Name: CCVL1390952 Acquired: 5/2/2012 1:06:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01095	.09982	.01379	.09685	.01001	.00092	.10928	.18827	.00512	.01021	.01007	.01497	.09563
Stddev	.00004	.00021	.00205	.00115	.00016	.00001	.00475	.00122	.00009	.00004	.00024	.00054	.00162
%RSD	.39079	.21337	14.885	1.1875	1.6034	.58875	4.3446	.64968	1.6626	.41563	2.3495	3.6041	1.6909
#1	.01092	.09967	.01524	.09766	.00990	.00092	.11263	.18741	.00518	.01024	.01024	.01536	.09678
#2	.01098	.09997	.01234	.09603	.01012	.00092	.10592	.18914	.00506	.01018	.00991	.01459	.09449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9915	.00973	.20249	.01033	.01979	1.1647	.03935	2.7498	.00935	.03907	F .00590	.01421	.43304
Stddev	.0269	.00325	.00190	.00009	.00005	.0021	.00024	.0125	.00105	.00363	.00132	.00348	.00950
%RSD	.90021	33.344	.93614	.87910	.24338	.17695	.60762	.45511	11.255	9.3023	22.431	24.465	2.1946
#1	3.0105	.01203	.20383	.01040	.01975	1.1633	.03952	2.7586	.00861	.03650	.00497	.01175	.43976
#2	2.9724	.00744	.20114	.01027	.01982	1.1662	.03918	2.7409	.01009	.04164	.00684	.01666	.42632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92670	.10126	.00992	.01566	.00977	.01624	.06826	.00952	.02215	.01399
Stddev	.02034	.00075	.00010	.00004	.00013	.00106	.02427	.00019	.00044	.00053
%RSD	2.1946	.74100	1.0239	.26595	1.2917	6.5320	35.555	2.0405	1.9957	3.7559
#1	.94108	.10179	.00999	.01563	.00968	.01699	.08543	.00966	.02246	.01436
#2	.91232	.10073	.00984	.01569	.00986	.01549	.05110	.00938	.02184	.01362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3454.8	53073.	5761.1
Stddev	.6	290.	26.6
%RSD	.01650	.54594	.46120
#1	3455.2	52868.	5779.9
#2	3454.4	53278.	5742.3

Sample Name: 280-28208-D-1-A Acquired: 5/2/2012 1:08:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.34298	.07953	.52923	.01726	.00025	-.00452	W 526.84	.00067	-.00015
Stddev	.00009	.00016	.00039	.00083	.00017	.00003	.00013	5.22	.00001	.00011
%RSD	68.647	.04591	.48810	.15644	.96315	12.450	2.8277	.99141	1.5457	70.792
#1	-.00020	.34310	.07926	.52864	.01714	.00023	-.00443	530.53	.00067	-.00008
#2	-.00007	.34287	.07981	.52981	.01738	.00027	-.00461	523.14	.00066	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00186	.00152	62.416	4.0997	.09375	92.453	.02399	.00861	68.219	-.00036
Stddev	.00013	.00056	.769	.0402	.00207	.100	.00011	.00031	.225	.00034
%RSD	6.9868	36.772	1.2327	.98137	2.2028	.10847	.47004	3.5997	.32990	94.334
#1	.00195	.00191	61.872	4.0713	.09229	92.383	.02391	.00839	68.060	-.00012
#2	.00176	.00112	62.960	4.1282	.09521	92.524	.02407	.00883	68.378	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9350	-.00008	F 547.79	.02990	.00345	10.512	22.496	.00123	W 10.821	-.00133
Stddev	.0099	.00041	.64	.00059	.00246	.104	.223	.00019	.014	.00176
%RSD	.51345	537.67	.11663	1.9691	71.389	.99339	.99339	15.090	.13007	132.44
#1	1.9420	-.00036	548.24	.03032	.00171	10.438	22.338	.00110	10.831	-.00008
#2	1.9279	.00021	547.34	.02949	.00519	10.586	22.654	.00136	10.811	-.00257
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00638	-.00002	.00146	.00210	.00479	.00442
Stddev	.00030	.00094	.00210	.00007	.00042	.00064
%RSD	4.7297	4135.4	143.46	3.1658	8.8594	14.412
#1	.00617	-.00069	-.00002	.00206	.00509	.00487
#2	.00659	.00065	.00295	.00215	.00449	.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3052.9	47396.	5634.7
Stddev	3.4	75.	10.9
%RSD	.11086	.15726	.19272
#1	3050.5	47449.	5642.4
#2	3055.3	47343.	5627.1

Sample Name: 280-28208-D-2-A Acquired: 5/2/2012 1:11:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.14222	.03537	.73474	.01698	.00005	-.00334	W 522.91	.00090	.00387
Stddev	.00017	.00048	.00352	.00149	.00012	.00000	.00151	8.69	.00007	.00014
%RSD	243.10	.33550	9.9408	.20249	.71806	1.8332	45.257	1.6618	7.6425	3.5556
#1	.00019	.14188	.03289	.73368	.01690	.00005	-.00227	516.76	.00095	.00377
#2	-.00005	.14255	.03786	.73579	.01707	.00005	-.00441	529.05	.00085	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00072	8.5270	2.9806	.12067	78.278	1.5227	.00526	161.47	-.00005
Stddev	.00010	.00055	.0814	.0213	.00108	.477	.0112	.00002	1.64	.00003
%RSD	22.556	76.728	.95422	.71580	.89545	.60937	.73626	.45071	1.0142	49.119
#1	.00038	.00033	8.5845	2.9957	.11990	78.615	1.5307	.00525	162.63	-.00007
#2	.00052	.00111	8.4695	2.9656	.12143	77.940	1.5148	.00528	160.31	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08601	.00007	F 545.85	.00025	.00904	9.6851	20.726	-.00024	W 10.468	-.00081
Stddev	.00118	.00036	.95	.00038	.00232	.0299	.064	.00000	.251	.00065
%RSD	1.3681	530.55	.17435	152.83	25.608	.30912	.30912	2.0465	2.3982	79.400
#1	.08518	-.00019	545.18	-.00002	.01068	9.7062	20.771	-.00023	10.646	-.00127
#2	.08684	.00032	546.53	.00052	.00740	9.6639	20.681	-.00024	10.291	-.00036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00327	.00205	-.00599	.00092	.00378	-.00014
Stddev	.00005	.00077	.00742	.00023	.00023	.00049
%RSD	1.5098	37.597	123.85	25.414	6.0057	351.21
#1	.00324	.00150	-.00074	.00109	.00362	.00020
#2	.00331	.00259	-.01123	.00076	.00394	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3046.8	46879.	5525.0
Stddev	1.8	193.	.9
%RSD	.05838	.41154	.01660
#1	3048.1	46743.	5525.7
#2	3045.6	47016.	5524.4

Sample Name: 280-28208-D-3-A Acquired: 5/2/2012 1:13:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.19517	-.00171	.65956	.01643	.00003	-.00376	461.96	.00093	.00119
Stddev	.00030	.00111	.00221	.00282	.00003	.00004	.00010	13.39	.00020	.00019
%RSD	89.561	.56653	129.02	.42809	.18945	115.81	2.7034	2.8992	21.605	15.624
#1	.00012	.19439	-.00328	.65756	.01641	.00001	-.00369	471.43	.00079	.00132
#2	.00054	.19595	-.00015	.66155	.01645	.00006	-.00383	452.49	.00108	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00099	.81465	4.5402	.12982	75.746	.10144	.00263	177.46	.00004
Stddev	.00039	.00013	.00535	.0430	.00011	.324	.00044	.00039	1.01	.00000
%RSD	63.636	12.675	.65699	.94671	.08329	.42732	.43093	14.934	.57126	7.0404
#1	.00033	.00108	.81086	4.5098	.12975	75.517	.10113	.00290	176.74	.00003
#2	.00088	.00090	.81843	4.5706	.12990	75.974	.10175	.00235	178.17	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06998	.00084	F 520.22	.00029	.00639	7.7507	16.587	-.00003	W 9.7777	-.00052
Stddev	.00164	.00256	.78	.00091	.00180	.1275	.273	.00083	.2020	.00045
%RSD	2.3450	305.44	.15052	315.07	28.219	1.6447	1.6447	2532.7	2.0655	86.519
#1	.06882	-.00097	519.67	.00093	.00511	7.6606	16.394	-.00062	9.6349	-.00084
#2	.07114	.00265	520.78	-.00036	.00766	7.8409	16.779	.00055	9.9205	-.00020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00491	-.00023	.00652	.00098	.00314	-.00014
Stddev	.00003	.00086	.01200	.00042	.00051	.00082
%RSD	.60088	378.96	184.12	42.986	16.179	575.12
#1	.00489	.00038	.01500	.00127	.00350	-.00073
#2	.00494	-.00083	-.00197	.00068	.00278	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.1	47438.	5582.2
Stddev	4.3	80.	36.1
%RSD	.14111	.16888	.64587
#1	3063.1	47495.	5607.7
#2	3057.0	47382.	5556.7

Sample Name: 280-28208-D-4-A Acquired: 5/2/2012 1:16:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.66673	-.00047	.57140	.02649	.00008	-.00714	422.45	.00089	.00010
Stddev	.00033	.00300	.00358	.00064	.00036	.00009	.00003	7.80	.00008	.00002
%RSD	110.51	.45022	770.85	.11233	1.3614	104.23	.48601	1.8457	9.4563	24.355
#1	.00053	.66886	-.00300	.57185	.02674	.00002	-.00716	416.94	.00083	.00011
#2	.00006	.66461	.00207	.57095	.02623	.00015	-.00711	427.97	.00095	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00104	.00126	.97328	4.4669	.12871	70.359	.03286	.00164	195.74	.00058
Stddev	.00004	.00030	.00078	.0453	.00001	.553	.00012	.00028	.94	.00029
%RSD	4.1941	23.852	.07987	1.0150	.01141	.78536	.37573	17.121	.47847	50.286
#1	.00107	.00147	.97383	4.4990	.12872	70.750	.03295	.00144	196.41	.00037
#2	.00101	.00105	.97273	4.4349	.12870	69.969	.03278	.00184	195.08	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07539	.00014	F 465.60	-.00056	.00572	10.616	22.719	-.00005	W 9.1779	-.00094
Stddev	.00039	.00015	.79	.00394	.00182	.061	.131	.00168	.0253	.00210
%RSD	.51893	107.14	.16924	697.50	31.759	.57798	.57798	3516.5	.27521	223.74
#1	.07567	.00003	465.04	.00222	.00444	10.660	22.811	.00114	9.1958	.00055
#2	.07511	.00024	466.15	-.00335	.00701	10.573	22.626	-.00123	9.1601	-.00242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01881	.00202	-.00780	.00437	.00750	.00138
Stddev	.00021	.00018	.00428	.00010	.00026	.00025
%RSD	1.1333	8.9673	54.809	2.2049	3.5140	18.170
#1	.01896	.00215	-.00478	.00443	.00731	.00155
#2	.01865	.00189	-.01083	.00430	.00769	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3071.2	47330.	5604.8
Stddev	.4	246.	18.6
%RSD	.01443	.51990	.33246
#1	3071.6	47156.	5617.9
#2	3070.9	47504.	5591.6

Sample Name: 280-28208-D-5-A Acquired: 5/2/2012 1:19:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00585	-.00258	.28912	.01514	.00010	-.00337	379.98	.00093	-.00006
Stddev	.00007	.00012	.00211	.00046	.00017	.00002	.00113	6.84	.00002	.00015
%RSD	72.754	2.0951	81.812	.15883	1.1136	22.671	33.671	1.7991	2.0750	251.96
#1	.00005	.00594	-.00109	.28944	.01502	.00009	-.00256	384.82	.00095	-.00017
#2	.00014	.00576	-.00408	.28879	.01526	.00012	-.00417	375.15	.00092	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00077	.01528	2.1982	.07557	85.479	.01244	.00367	40.545	.00077
Stddev	.00012	.00008	.00008	.0645	.00131	.332	.00005	.00028	.082	.00012
%RSD	59.312	10.039	.50342	2.9330	1.7353	.38890	.42448	7.6011	.20136	16.085
#1	.00028	.00071	.01522	2.2438	.07650	85.714	.01248	.00387	40.603	.00086
#2	.00012	.00082	.01533	2.1526	.07464	85.243	.01240	.00348	40.487	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01127	-.00038	F 388.42	-.00084	.00421	6.4747	13.856	-.00024	W 8.0034	.00056
Stddev	.00038	.00154	.06	.00112	.00753	.0025	.005	.00019	.1380	.00048
%RSD	3.3425	402.80	.01516	134.13	178.92	.03839	.03839	78.092	1.7239	84.976
#1	.01153	-.00147	388.38	-.00163	-.00112	6.4730	13.852	-.00038	8.1010	.00022
#2	.01100	.00071	388.46	-.00004	.00954	6.4765	13.860	-.00011	7.9059	.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00276	-.00186	.00227	.00383	-.00035
Stddev	.00013	.00140	.04371	.00008	.00024	.00054
%RSD	24.898	50.639	2352.5	3.4363	6.3498	154.34
#1	.00043	.00177	.02905	.00232	.00400	-.00073
#2	.00061	.00375	-.03276	.00221	.00366	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3105.7	48484.	5594.8
Stddev	9.7	49.	18.1
%RSD	.31104	.10038	.32363
#1	3112.5	48449.	5582.0
#2	3098.9	48518.	5607.6

Sample Name: 280-28208-D-6-A Acquired: 5/2/2012 1:21:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.17617	-.00392	.41738	.01635	.00014	-.00766	490.63	.00111	-.00015
Stddev	.00021	.00050	.00499	.00005	.00054	.00002	.00300	1.55	.00002	.00001
%RSD	238.19	.28651	127.40	.01250	3.2724	13.706	39.223	.31596	2.1328	8.1239
#1	.00006	.17652	-.00744	.41734	.01673	.00012	-.00978	489.54	.00110	-.00016
#2	-.00024	.17581	-.00039	.41742	.01597	.00015	-.00553	491.73	.00113	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00079	.13232	3.2418	.08569	92.840	.03042	.00426	53.061	-.00016
Stddev	.00007	.00000	.00138	.0026	.00090	.536	.00006	.00030	.424	.00009
%RSD	9.2883	.11168	1.0433	.07940	1.0500	.57725	.21306	7.0377	.79972	54.239
#1	.00081	.00079	.13329	3.2437	.08506	93.219	.03046	.00447	53.361	-.00023
#2	.00071	.00079	.13134	3.2400	.08633	92.461	.03037	.00405	52.761	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03399	-.00135	F 496.07	-.00190	.01105	7.1777	15.360	-.00029	W 10.401	-.00045
Stddev	.00028	.00074	1.30	.00038	.00012	.0486	.104	.00086	.271	.00366
%RSD	.83831	54.705	.26284	19.808	1.0484	.67653	.67653	296.15	2.6088	816.96
#1	.03420	-.00187	497.00	-.00163	.01113	7.2121	15.434	-.00090	10.593	-.00304
#2	.03379	-.00083	495.15	-.00217	.01097	7.1434	15.287	.00032	10.209	.00214
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00545	.00178	.01692	.00150	.00240	.00123
Stddev	.00017	.00103	.02578	.00016	.00084	.00002
%RSD	3.0972	57.849	152.34	10.873	35.044	1.4815
#1	.00557	.00250	-.00131	.00138	.00180	.00122
#2	.00533	.00105	.03516	.00161	.00299	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.5	47447.	5584.0
Stddev	9.3	203.	25.1
%RSD	.30409	.42863	.45008
#1	3053.9	47303.	5566.3
#2	3067.0	47590.	5601.8

Sample Name: CCVH-1390999 Acquired: 5/2/2012 1:24:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00175	47.162	.00139	.00440	.00061	.00011	1.0138	.06616	.00002	.00026	.00015	-.00462
Stddev	.00016	.223	.00449	.00027	.00011	.00001	.0022	.00406	.00010	.00003	.00005	.00045
%RSD	9.0026	.47367	323.25	6.1063	17.729	5.4129	.22018	6.1380	626.15	10.451	36.034	9.7704
#1	-.00164	47.320	.00456	.00421	.00069	.00010	1.0153	.06903	-.00005	.00028	.00011	-.00494
#2	-.00186	47.004	-.00179	.00459	.00053	.00011	1.0122	.06329	.00009	.00024	.00018	-.00430
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.006	.09743	.00093	-.01941	.00009	.00080	243.52	.00121	.00543	.00017	5.0307	-.00495
Stddev	.071	.02217	.00235	.00145	.00002	.00048	.86	.00006	.00009	.00128	.0156	.00068
%RSD	.15206	22.758	251.46	7.4720	19.977	59.973	.35353	4.7481	1.7311	753.07	.30987	13.795
#1	47.056	.08175	.00259	-.01838	.00011	.00114	244.13	.00125	.00536	.00107	5.0417	-.00447
#2	46.955	.11310	-.00073	-.02043	.00008	.00046	242.91	.00117	.00550	-.00073	5.0197	-.00544
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00487	-.00950	-.02033	.00190	.00158	5.0775	.00806	-.00009	W 10.550	-.00422	.00161	-.04933
Stddev	.00257	.00316	.00676	.00097	.00011	.0376	.00057	.00180	.063	.00020	.00052	.00191
%RSD	52.764	33.263	33.263	51.149	7.1934	.74026	7.0144	2020.1	.59837	4.8548	32.477	3.8689
#1	.00669	-.01173	-.02511	.00258	.00166	5.1041	.00846	.00118	10.594	-.00436	.00198	-.05068
#2	.00306	-.00727	-.01555	.00121	.00150	5.0510	.00766	-.00136	10.505	-.00407	.00124	-.04798
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3292.3	49736.	5660.3
Stddev	5.0	149.	26.2
%RSD	.15066	.29857	.46215
#1	3288.8	49631.	5678.8
#2	3295.8	49841.	5641.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 1:26:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50772	.48575	1.0064	.48428	.49889	.45881	-.00163	4.6541	.50342	.49668	.49992	.52371	2.4032
Stddev	.00419	.00251	.0004	.00103	.00407	.00520	.00329	.0332	.00065	.00032	.00077	.00378	.0282
%RSD	.82560	.51695	.03545	.21172	.81619	1.1338	201.46	.71243	.12915	.06379	.15477	.72145	1.1746
#1	.50476	.48398	1.0067	.48355	.50177	.46249	-.00396	4.6776	.50296	.49646	.49938	.52103	2.4232
#2	.51069	.48753	1.0062	.48500	.49601	.45513	.00069	4.6307	.50388	.49691	.50047	.52638	2.3833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.942	.96533	19.256	.49975	.49968	4.9148	.49406	.94976	1.0236	.05011	.97489	1.0177	4.5861
Stddev	.292	.01180	.155	.00371	.00028	.0730	.00093	.00147	.0027	.00276	.00511	.0011	.0393
%RSD	.59702	1.2224	.80555	.74286	.05600	1.4857	.18769	.15428	.26118	5.5147	.52438	.10550	.85617
#1	49.149	.97368	19.146	.49712	.49988	4.9664	.49340	.95080	1.0217	.04816	.97127	1.0169	4.6138
#2	48.736	.95699	19.366	.50237	.49949	4.8631	.49472	.94873	1.0255	.05206	.97850	1.0185	4.5583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8142	.99039	.49037	.00169	.48830	1.0183	.01715	.49980	.49920	.49387
Stddev	.0840	.00411	.00374	.00117	.00281	.0045	.01919	.00290	.00880	.00520
%RSD	.85617	.41477	.76236	69.272	.57550	.44563	111.91	.58003	1.7636	1.0538
#1	9.8736	.99329	.49301	.00086	.48632	1.0215	.00358	.49775	.49298	.49755
#2	9.7548	.98748	.48772	.00252	.49029	1.0151	.03073	.50185	.50543	.49019
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3381.4	51710.	5730.4
Stddev	7.2	285.	37.2
%RSD	.21180	.55070	.64892
#1	3386.4	51911.	5704.1
#2	3376.3	51508.	5756.7

Sample Name: CCB Acquired: 5/2/2012 1:28:38 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00002	-.00334	.00200	.00026	.00011	-.00175	.00274	-.00004	.00005	.00011	-.00134
Stddev	.00001	.00009	.00032	.00005	.00001	.00003	.00132	.00028	.00008	.00028	.00001	.00024
%RSD	3.3280	616.49	9.6937	2.5550	2.2547	26.439	75.400	10.141	203.94	545.51	4.9635	18.032
#1	.00040	-.00005	-.00311	.00196	.00027	.00009	-.00082	.00293	-.00009	.00025	.00011	-.00117
#2	.00041	.00008	-.00356	.00203	.00026	.00013	-.00269	.00254	.00002	-.00014	.00011	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00128	.05352	.00092	.00293	.00004	.00053	W .18259	-.00055	.00139	-.00043	.04353	.00035
Stddev	.00116	.03060	.00044	.00383	.00005	.00014	.00424	.00025	.00047	.00058	.00072	.00302
%RSD	91.052	57.177	47.425	130.77	108.11	26.364	2.3218	46.500	33.798	135.47	1.6622	868.75
#1	.00045	.07516	.00061	.00564	.00007	.00043	.17959	-.00037	.00106	-.00002	.04302	-.00179
#2	.00210	.03188	.00123	.00022	.00001	.00063	.18559	-.00073	.00173	-.00083	.04404	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00191	-.01646	-.03521	.00095	.00014	.00178	-.00011	.00051	.00595	-.00013	.00184	-.00091
Stddev	.00232	.01702	.03643	.00093	.00006	.00051	.00001	.00076	.00578	.00012	.00004	.00086
%RSD	121.42	103.44	103.44	98.178	40.816	28.385	11.769	148.52	97.238	95.634	2.4012	94.920
#1	-.00027	-.00442	-.00946	.00029	.00010	.00214	-.00010	-.00003	.01004	-.00004	.00180	-.00151
#2	-.00355	-.02849	-.06097	.00161	.00018	.00143	-.00012	.00105	.00186	-.00022	.00187	-.00030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3386.3	52491.	5657.2
Stddev	9.0	232.	36.3
%RSD	.26439	.44250	.64204
#1	3392.6	52655.	5682.9
#2	3379.9	52326.	5631.5

Sample Name: CCVL1390952 Acquired: 5/2/2012 1:31:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01030	.10143	.01361	.09833	.00986	.00093	.11317	.19100	.00508	.01009	.01010	.01526	.09671
Stddev	.00019	.00121	.00086	.00067	.00013	.00003	.00078	.00219	.00004	.00010	.00007	.00001	.00098
%RSD	1.8290	1.1929	6.2826	.67813	1.3028	2.7473	.69322	1.1465	.87097	.95186	.68688	.06038	1.0159
#1	.01043	.10229	.01421	.09880	.00976	.00091	.11261	.18945	.00512	.01002	.01005	.01525	.09740
#2	.01017	.10058	.01301	.09786	.00995	.00095	.11372	.19254	.00505	.01015	.01015	.01526	.09601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0098	.01000	.20342	.01024	.01953	1.1585	.03979	2.7722	.00885	.03747	F .00693	.01798	.44013
Stddev	.0288	.00108	.00075	.00006	.00030	.0007	.00026	.0159	.00047	.00043	.00057	.00430	.00751
%RSD	.95708	10.841	.36872	.59796	1.5266	.05997	.64242	.57535	5.2610	1.1453	8.2209	23.946	1.7058
#1	2.9895	.00924	.20289	.01020	.01975	1.1581	.03961	2.7834	.00852	.03717	.00653	.02102	.44544
#2	3.0302	.01077	.20395	.01029	.01932	1.1590	.03997	2.7609	.00918	.03777	.00734	.01493	.43483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94189	.09984	.00986	.01677	.00983	.01701	.06853	.00912	.02186	.01440
Stddev	.01607	.00043	.00004	.00033	.00001	.00083	.00224	.00047	.00002	.00134
%RSD	1.7058	.43153	.40989	1.9467	.09654	4.8823	3.2698	5.1860	.09557	9.3206
#1	.95325	.10014	.00989	.01700	.00984	.01760	.07012	.00946	.02187	.01535
#2	.93053	.09953	.00983	.01654	.00982	.01642	.06695	.00879	.02184	.01345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3452.0	53580.	5748.6
Stddev	8.7	228.	5.3
%RSD	.25263	.42609	.09187
#1	3445.9	53742.	5752.4
#2	3458.2	53419.	5744.9

Sample Name: 280-28262-D-1-A Acquired: 5/2/2012 1:33:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.29219	-.00141	.06611	.02448	.00002	-.00134	65.778	.00024	-.00003
Stddev	.00024	.00004	.00236	.00067	.00028	.00003	.00315	.259	.00000	.00000
%RSD	109.03	.01431	166.61	1.0084	1.1522	147.74	235.90	.39426	1.7707	12.724
#1	.00005	.29216	-.00308	.06564	.02468	.00004	-.00357	65.595	.00024	-.00003
#2	.00039	.29222	.00025	.06658	.02429	.00000	.00089	65.961	.00024	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00140	.00194	.23518	5.4113	.00832	2.5653	.01965	.00277	15.363	.00048
Stddev	.00010	.00038	.00031	.0441	.00204	.0113	.00008	.00035	.178	.00045
%RSD	7.1510	19.584	.13236	.81551	24.487	.43862	.42253	12.668	1.1557	93.509
#1	.00147	.00221	.23496	5.3801	.00688	2.5573	.01959	.00252	15.489	.00016
#2	.00133	.00167	.23540	5.4425	.00976	2.5732	.01971	.00301	15.238	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10558	.00027	8.6853	-.00144	.00256	2.8666	6.1346	.00010	.66191	.00017
Stddev	.00074	.00006	.0046	.00024	.00315	.0307	.0658	.00000	.00172	.00014
%RSD	.69792	22.778	.05321	16.884	123.01	1.0721	1.0721	2.6986	.26012	82.852
#1	.10610	.00031	8.6886	-.00162	.00033	2.8449	6.0881	.00010	.66070	.00027
#2	.10506	.00023	8.6820	-.00127	.00479	2.8884	6.1811	.00010	.66313	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00374	.00306	.00840	.00304	.00691	.00091
Stddev	.00034	.00080	.00797	.00007	.00067	.00174
%RSD	9.1456	25.993	94.836	2.1485	9.6550	191.11
#1	.00349	.00363	.01403	.00299	.00643	.00214
#2	.00398	.00250	.00277	.00308	.00738	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3319.3	51311.	5748.4
Stddev	14.8	88.	.1
%RSD	.44651	.17113	.00191
#1	3329.8	51373.	5748.4
#2	3308.9	51249.	5748.5

Sample Name: 280-28263-C-1-A Acquired: 5/2/2012 1:35:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.09750	-.00273	1.0886	.01838	.00007	-.00237	188.74	.00095	-.00020
Stddev	.00003	.00053	.00141	.0030	.00007	.00006	.00098	.69	.00009	.00000
%RSD	64.326	.54230	51.426	.27258	.36969	87.705	41.089	.36707	9.1051	.37051
#1	.00007	.09713	-.00373	1.0865	.01833	.00012	-.00168	189.23	.00101	-.00020
#2	.00002	.09787	-.00174	1.0907	.01843	.00003	-.00306	188.25	.00089	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00090	.07923	9.2807	.07217	48.048	.02037	.00540	227.86	.00144
Stddev	.00000	.00012	.00048	.0340	.00182	.062	.00005	.00030	.92	.00043
%RSD	.57121	13.180	.60363	.36633	2.5249	.12947	.23957	5.6305	.40289	29.688
#1	.00053	.00081	.07889	9.3047	.07088	48.092	.02034	.00518	228.51	.00174
#2	.00054	.00098	.07957	9.2567	.07346	48.004	.02041	.00561	227.21	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 5.1535	-.00141	F 230.48	.00046	.00134	11.700	25.038	-.00165	W 8.2524	-.00134
Stddev	.0095	.00229	.31	.00059	.00094	.040	.086	.00082	.0731	.00027
%RSD	.18440	162.37	.13562	128.26	70.493	.34147	.34147	49.908	.88626	20.147
#1	5.1467	.00021	230.70	.00088	.00201	11.728	25.099	-.00107	8.3041	-.00153
#2	5.1602	-.00302	230.26	.00004	.00067	11.672	24.978	-.00223	8.2007	-.00115
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00282	.00022	.02345	.00049	.00500	-.00060
Stddev	.00041	.00077	.02408	.00001	.00041	.00120
%RSD	14.682	354.38	102.69	2.9403	8.2819	200.26
#1	.00311	.00076	.04048	.00048	.00470	.00025
#2	.00253	-.00033	.00642	.00050	.00529	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3128.1	48225.	5607.9
Stddev	2.9	93.	11.8
%RSD	.09284	.19328	.20973
#1	3130.2	48159.	5616.3
#2	3126.1	48291.	5599.6

Sample Name: 280-28263-C-2-A Acquired: 5/2/2012 1:38:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	1.2155	-.00378	1.9035	.02143	.00015	-.00353	125.01	.00061	.00015
Stddev	.00049	.0073	.00154	.0027	.00008	.00003	.00053	.18	.00027	.00010
%RSD	128.28	.60196	40.719	.14273	.38776	21.642	14.929	.14009	43.692	70.082
#1	.00072	1.2103	-.00269	1.9016	.02149	.00017	-.00316	125.13	.00042	.00022
#2	.00004	1.2206	-.00486	1.9055	.02137	.00013	-.00390	124.88	.00080	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00329	.00200	1.0934	8.4265	.05449	29.358	.03930	.00153	237.12	.00155
Stddev	.00003	.00033	.0045	.0254	.00072	.213	.00025	.00003	.23	.00037
%RSD	.90049	16.401	.40710	.30105	1.3242	.72429	.63522	1.8354	.09747	23.616
#1	.00327	.00176	1.0902	8.4086	.05501	29.208	.03912	.00151	236.96	.00129
#2	.00332	.00223	1.0965	8.4445	.05398	29.508	.03947	.00155	237.29	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23452	.00003	128.56	-.00141	-.00054	9.1847	19.655	.00032	W 5.3732	.00042
Stddev	.00365	.00037	.18	.00014	.00044	.0178	.038	.00089	.0682	.00043
%RSD	1.5563	1190.3	.14334	9.6262	80.485	.19336	.19336	278.92	1.2687	101.87
#1	.23194	-.00023	128.43	-.00132	-.00085	9.1973	19.682	.00095	5.4214	.00073
#2	.23710	.00029	128.69	-.00151	-.00023	9.1722	19.628	-.00031	5.3250	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04270	.00187	.01970	.00270	.00995	.00151
Stddev	.00232	.00274	.01919	.00008	.00010	.00011
%RSD	5.4226	146.23	97.447	3.1240	1.0191	7.0428
#1	.04107	-.00006	.00612	.00276	.01003	.00143
#2	.04434	.00381	.03327	.00264	.00988	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3172.7	48574.	5602.1
Stddev	.1	276.	6.0
%RSD	.00220	.56891	.10760
#1	3172.8	48769.	5606.4
#2	3172.7	48378.	5597.9

Sample Name: 280-28263-C-3-A Acquired: 5/2/2012 1:40:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.45398	-.00149	1.3165	.03576	.00007	-.00378	173.47	.00077	.00170
Stddev	.00022	.00385	.00089	.0051	.00015	.00004	.00274	.57	.00018	.00005
%RSD	112.40	.84769	59.514	.39059	.41787	60.914	72.527	.33045	22.932	3.0329
#1	.00004	.45126	-.00212	1.3129	.03586	.00010	-.00572	173.07	.00090	.00166
#2	.00036	.45670	-.00086	1.3201	.03565	.00004	-.00184	173.88	.00065	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.00284	.32177	9.2728	.08617	46.293	.03592	.00417	281.75	.00512
Stddev	.00004	.00056	.00283	.0948	.00106	.242	.00018	.00043	1.44	.00013
%RSD	4.2052	19.618	.88079	1.0224	1.2254	.52338	.50268	10.375	.51234	2.5959
#1	.00091	.00323	.31977	9.2058	.08543	46.464	.03605	.00447	280.72	.00503
#2	.00086	.00245	.32377	9.3398	.08692	46.121	.03579	.00386	282.77	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.9089	-.00005	F 222.73	-.00063	.00545	11.096	23.745	-.00029	W 6.9305	.00185
Stddev	.0169	.00296	.55	.00098	.00796	.056	.120	.00026	.0934	.00058
%RSD	.43175	6258.8	.24649	155.36	145.98	.50577	.50577	88.225	1.3478	31.533
#1	3.8969	.00205	222.34	.00006	-.00018	11.056	23.660	-.00048	6.8644	.00226
#2	3.9208	-.00214	223.12	-.00132	.01108	11.135	23.830	-.00011	6.9965	.00144
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01541	.00124	.01268	.00055	.00973	.00252
Stddev	.00067	.00219	.00831	.00062	.00039	.00113
%RSD	4.3468	176.95	65.519	112.53	4.0266	44.732
#1	.01588	.00279	.01856	.00099	.01001	.00172
#2	.01494	-.00031	.00681	.00011	.00945	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3135.7	48032.	5661.6
Stddev	.7	197.	23.8
%RSD	.02127	.40988	.42076
#1	3135.3	47893.	5678.4
#2	3136.2	48171.	5644.7

Sample Name: 280-28263-C-4-A Acquired: 5/2/2012 1:43:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.17948	-.00208	2.2240	.02284	.00009	-.00384	100.45	.00071	.00081
Stddev	.00014	.00115	.00318	.0010	.00027	.00001	.00020	.24	.00007	.00022
%RSD	293.24	.63894	153.04	.04714	1.1630	6.4249	5.2991	.23701	9.3573	26.979
#1	.00005	.17867	.00017	2.2248	.02303	.00008	-.00398	100.62	.00066	.00097
#2	-.00014	.18029	-.00433	2.2233	.02265	.00009	-.00370	100.28	.00075	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00203	.45168	9.9791	.05431	37.802	.01178	.00706	272.97	.00165
Stddev	.00020	.00013	.00140	.0022	.00027	.322	.00010	.00029	1.11	.00015
%RSD	30.689	6.5272	.30896	.02186	.50467	.85197	.82319	4.1116	.40683	9.1473
#1	.00080	.00212	.45069	9.9807	.05412	38.029	.01185	.00685	273.76	.00176
#2	.00052	.00193	.45267	9.9776	.05451	37.574	.01171	.00727	272.19	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.78211	.00082	164.97	-.00234	.00393	7.4739	15.994	-.00003	W 6.2864	.00102
Stddev	.00067	.00092	.34	.00053	.00251	.0029	.006	.00056	.0618	.00095
%RSD	.08568	111.57	.20432	22.556	63.732	.03870	.03870	2052.8	.98302	92.587
#1	.78258	.00147	164.73	-.00197	.00571	7.4760	15.999	.00037	6.3301	.00035
#2	.78163	.00017	165.21	-.00271	.00216	7.4719	15.990	-.00043	6.2427	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00537	.00211	-.00836	.00037	.00612	.00060
Stddev	.00012	.00184	.02099	.00001	.00017	.00017
%RSD	2.2825	87.495	251.08	3.3850	2.7907	28.234
#1	.00545	.00080	.00648	.00036	.00624	.00048
#2	.00528	.00341	-.02320	.00038	.00600	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3172.7	48702.	5673.9
Stddev	6.4	203.	9.3
%RSD	.20223	.41625	.16479
#1	3168.1	48559.	5667.3
#2	3177.2	48845.	5680.5

Sample Name: 280-28263-C-5-A Acquired: 5/2/2012 1:45:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00200	-.00080	.00515	.00021	.00002	-.00476	.02102	.00022	-.00011
Stddev	.00001	.00006	.00096	.00065	.00005	.00002	.00156	.00124	.00003	.00005
%RSD	10.521	3.2145	121.14	12.533	23.301	80.870	32.828	5.8810	13.634	45.764
#1	.00010	.00195	-.00011	.00561	.00018	.00001	-.00586	.02189	.00020	-.00015
#2	.00008	.00204	-.00148	.00469	.00025	.00004	-.00365	.02015	.00024	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00054	.01109	.10283	.00019	.00218	.00013	-.00025	.30953	-.00008
Stddev	.00008	.00005	.00057	.02747	.00074	.00049	.00001	.00020	.02327	.00034
%RSD	618.44	9.0679	5.0991	26.714	383.07	22.455	8.6466	80.697	7.5185	415.45
#1	-.00004	-.00057	.01069	.08340	-.00033	.00252	.00012	-.00011	.32598	-.00032
#2	.00007	-.00050	.01149	.12225	.00072	.00183	.00014	-.00039	.29307	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00037	-.00105	.05517	-.00240	-.00025	-.01410	-.03018	.00078	.00054	.00078
Stddev	.00000	.00165	.00571	.00090	.00196	.00393	.00842	.00141	.00016	.00107
%RSD	.70953	157.51	10.344	37.522	776.42	27.905	27.905	181.47	29.964	136.65
#1	-.00037	.00012	.05921	-.00303	-.00164	-.01688	-.03613	-.00022	.00066	.00003
#2	-.00037	-.00222	.05114	-.00176	.00113	-.01132	-.02422	.00177	.00043	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.00013	.01694	-.00044	.00262	.00047
Stddev	.00030	.00175	.00409	.00021	.00009	.00077
%RSD	1205.2	1361.9	24.114	47.598	3.5359	162.54
#1	-.00024	-.00137	.01405	-.00059	.00255	-.00007
#2	.00019	.00111	.01983	-.00030	.00269	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3431.7	53681.	5744.4
Stddev	1.0	246.	25.6
%RSD	.02814	.45742	.44556
#1	3432.3	53855.	5762.5
#2	3431.0	53508.	5726.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 1:47:58 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00178	47.618	-.00265	.00536	.00032	.00008	1.0249	.00280	.00006	.00040	.00019	-.00458	47.382
Stddev	.00050	.085	.00293	.00042	.00011	.00006	.0009	.00421	.00006	.00026	.00013	.00001	.051
%RSD	28.172	.17747	110.71	7.8199	35.397	71.545	.08509	150.49	114.79	65.425	66.168	.23153	.10701
#1	-.00214	47.678	-.00058	.00566	.00024	.00004	1.0255	-.00018	.00001	.00059	.00028	-.00459	47.418
#2	-.00143	47.559	-.00472	.00507	.00040	.00012	1.0242	.00577	.00010	.00022	.00010	-.00457	47.346
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03574	-.00074	-.02196	.00016	.00037	245.11	.00105	.00111	-.00185	5.0826	-.00231	.00445	-.00144
Stddev	.00182	.00127	.00377	.00003	.00054	.71	.00006	.00180	.00031	.0010	.00078	.00145	.00182
%RSD	5.0973	171.52	17.169	16.900	146.72	.28786	5.9932	161.62	16.922	.02070	33.972	32.529	126.27
#1	.03702	-.00164	-.02463	.00018	.00075	245.60	.00101	-.00016	-.00207	5.0833	-.00175	.00343	-.00274
#2	.03445	.00016	-.01929	.00015	-.00001	244.61	.00110	.00239	-.00163	5.0818	-.00286	.00548	-.00015
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00309	.00182	.00040	5.0550	.00785	.00342	10.498	-.00414	.00178	-.04702
Stddev	.00390	.00158	.00004	.0023	.00014	.00125	.070	.00025	.00028	.00010
%RSD	126.27	86.414	9.8776	.04631	1.7254	36.567	.66358	5.9695	15.592	.20712
#1	-.00585	.00071	.00038	5.0566	.00795	.00431	10.547	-.00397	.00198	-.04709
#2	-.00033	.00294	.00043	5.0533	.00776	.00254	10.449	-.00432	.00159	-.04696
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3312.7	50528.	5718.6
Stddev	5.7	128.	24.7
%RSD	.17339	.25352	.43166
#1	3316.8	50618.	5701.1
#2	3308.6	50437.	5736.0

Sample Name: CCV-1390955 Acquired: 5/2/2012 1:50:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50647	.48456	.98793	.48525	.49436	.45725	-.00304	4.6043	.50171	.49567	.49757	.52216	2.3746
Stddev	.00208	.00067	.00100	.00073	.00160	.00192	.00145	.0350	.00023	.00059	.00179	.00230	.0182
%RSD	.41046	.13814	.10073	.15036	.32433	.41935	47.555	.76018	.04542	.11834	.36020	.44011	.76493
#1	.50500	.48409	.98722	.48576	.49550	.45861	-.00407	4.6291	.50155	.49609	.49884	.52053	2.3875
#2	.50794	.48504	.98863	.48473	.49323	.45590	-.00202	4.5796	.50187	.49526	.49631	.52378	2.3618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.709	.96052	19.208	.49675	.49714	4.8740	.49142	.94850	1.0221	.04218	.97657	1.0132	4.5654
Stddev	.125	.00335	.047	.00159	.00218	.0278	.00192	.00438	.0004	.00441	.00481	.0035	.0091
%RSD	.25598	.34845	.24684	.31988	.43896	.57057	.39085	.46214	.04238	10.467	.49234	.34117	.19935
#1	48.797	.96288	19.175	.49563	.49869	4.8937	.49278	.94541	1.0218	.03906	.97997	1.0108	4.5590
#2	48.621	.95815	19.242	.49788	.49560	4.8544	.49006	.95160	1.0224	.04530	.97318	1.0157	4.5718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7700	.98514	.48742	-.00024	.48644	1.0136	.02636	.49756	.49518	.48770
Stddev	.0195	.00107	.00150	.00041	.00214	.0018	.00008	.00156	.00273	.00471
%RSD	.19935	.10841	.30765	165.61	.44012	.17919	.28914	.31282	.55226	.96522
#1	9.7562	.98438	.48848	.00004	.48493	1.0149	.02641	.49646	.49324	.48437
#2	9.7837	.98589	.48636	-.00053	.48796	1.0123	.02630	.49866	.49711	.49102
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3355.8	51757.	5697.3
Stddev	7.4	33.	16.1
%RSD	.22164	.06362	.28225
#1	3350.6	51780.	5708.7
#2	3361.1	51734.	5685.9

Sample Name: CCB Acquired: 5/2/2012 1:52:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	-.00032	-.00311	.00244	.00013	.00001	-.00321	-.00125	.00008	-.00010	.00029	-.00106
Stddev	.00053	.00048	.00153	.00057	.00020	.00015	.00514	.00159	.00008	.00021	.00014	.00025
%RSD	326.39	149.10	49.218	23.461	153.14	984.52	160.23	126.71	91.219	221.91	48.646	23.177
#1	-.00021	.00002	-.00419	.00285	.00027	.00012	.00043	-.00238	.00003	.00006	.00019	-.00089
#2	.00054	-.00067	-.00203	.00204	-.00001	-.00009	-.00684	-.00013	.00014	-.00025	.00039	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00057	.05383	.00056	.00056	.00005	.00079	W .17769	-.00039	.00196	-.00022	.04697	-.00222
Stddev	.00180	.01830	.00141	.00018	.00002	.00061	.00281	.00013	.00091	.00015	.00507	.00045
%RSD	315.77	33.987	250.08	31.776	31.084	77.192	1.5813	32.447	46.462	69.506	10.786	20.517
#1	.00070	.04089	-.00043	.00044	.00006	.00036	.17570	-.00030	.00132	-.00011	.05056	-.00190
#2	-.00185	.06677	.00156	.00069	.00004	.00122	.17967	-.00048	.00261	-.00033	.04339	-.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00089	.00533	.01141	.00149	.00009	.00102	.00043	.00155	.01371	-.00041	.00252	-.00077
Stddev	.00053	.01641	.03512	.00010	.00001	.00221	.00036	.00243	.01568	.00023	.00009	.00042
%RSD	60.151	307.89	307.89	6.9730	7.2211	216.92	83.084	157.17	114.42	56.690	3.6071	54.800
#1	.00051	.01693	.03624	.00156	.00009	-.00054	.00018	-.00017	.02480	-.00025	.00258	-.00047
#2	.00126	-.00627	-.01343	.00141	.00008	.00258	.00069	.00327	.00262	-.00058	.00245	-.00107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3381.4	52483.	5627.7
Stddev	1.0	601.	18.8
%RSD	.03052	1.1450	.33430
#1	3380.7	52058.	5614.4
#2	3382.2	52908.	5641.0

Sample Name: CCVL1390952 Acquired: 5/2/2012 1:54:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01068	.10136	.01368	.09837	.01042	.00102	.11655	.18280	.00522	.01012	.01002	.01485	.09459
Stddev	.00054	.00003	.00179	.00053	.00010	.00014	.00180	.00040	.00028	.00022	.00008	.00032	.00005
%RSD	5.0697	.02496	13.115	.54262	1.0062	14.204	1.5409	.21931	5.3397	2.1816	.79821	2.1519	.05448
#1	.01107	.10135	.01495	.09874	.01034	.00112	.11528	.18308	.00542	.00997	.00997	.01462	.09455
#2	.01030	.10138	.01241	.09799	.01049	.00092	.11782	.18252	.00502	.01028	.01008	.01508	.09463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9885	.00994	.20066	.01029	.01936	1.1195	.03988	2.7558	.00904	.03950	F .00699	.01692	.43420
Stddev	.0237	.00019	.00054	.00009	.00038	.0091	.00050	.0050	.00000	.00096	.00013	.00253	.01337
%RSD	.79405	1.9560	.26763	.89616	1.9585	.81379	1.2602	.18064	.05249	2.4258	1.9098	14.930	3.0783
#1	3.0053	.00980	.20104	.01036	.01910	1.1259	.04024	2.7523	.00904	.04018	.00690	.01513	.44365
#2	2.9717	.01008	.20028	.01023	.01963	1.1130	.03953	2.7593	.00904	.03882	.00709	.01870	.42475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92919	.10057	.00980	.01764	.00952	.01784	.06456	.00917	.02183	.01434
Stddev	.02860	.00112	.00003	.00074	.00029	.00212	.00407	.00040	.00011	.00114
%RSD	3.0783	1.1176	.31440	4.2085	3.0519	11.904	6.3074	4.3340	.51538	7.9736
#1	.94942	.09978	.00978	.01712	.00973	.01634	.06744	.00945	.02191	.01515
#2	.90896	.10137	.00982	.01817	.00932	.01934	.06168	.00889	.02175	.01353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3466.0	53621.	5771.1
Stddev	4.7	225.	2.4
%RSD	.13572	.41974	.04216
#1	3469.3	53462.	5769.4
#2	3462.7	53780.	5772.9

Sample Name: MB 280-117184/1-A Acquired: 5/2/2012 1:57:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00048	W -.00656	.00211	.00023	.00005	-.00355	.00838	.00026	-.00008
Stddev	.00022	.00059	.00264	.00030	.00013	.00006	.00077	.00198	.00003	.00000
%RSD	49.522	123.77	40.330	14.101	57.236	121.37	21.622	23.681	10.505	1.9143
#1	.00029	.00006	-.00469	.00232	.00033	.00010	-.00410	.00698	.00028	-.00008
#2	.00060	.00090	-.00843	.00190	.00014	.00001	-.00301	.00978	.00025	-.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	-.00067	.00745	.03646	.00235	.00247	.00010	-.00025	.14853	-.00035
Stddev	.00029	.00026	.00010	.02043	.00068	.00148	.00004	.00024	.00812	.00005
%RSD	267.65	38.217	1.3678	56.040	28.764	59.910	46.485	94.380	5.4649	15.024
#1	-.00031	-.00085	.00752	.02201	.00187	.00352	.00006	-.00008	.14279	-.00039
#2	.00010	-.00049	.00738	.05091	.00283	.00142	.00013	-.00042	.15427	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	-.00007	F .04051	-.00103	.00191	W -.00626	-.01340	-.00005	.00007	.00072
Stddev	.00136	.00057	.00198	.00032	.00230	.00391	.00838	.00040	.00001	.00155
%RSD	280.57	841.24	4.8958	30.892	120.52	62.520	62.520	739.27	8.2251	214.86
#1	-.00048	-.00047	.03911	-.00080	.00028	-.00903	-.01932	.00023	.00007	-.00038
#2	.00144	.00033	.04192	-.00125	.00353	-.00349	-.00747	-.00034	.00007	.00182
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	-.00003	.01177	-.00058	.00218	.00127
Stddev	.00008	.00078	.04313	.00029	.00065	.00005
%RSD	112.36	2267.8	366.59	50.207	29.557	3.8655
#1	.00001	.00051	.04226	-.00038	.00173	.00131
#2	.00013	-.00058	-.01873	-.00079	.00264	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3431.6	53451.	5779.5
Stddev	1.7	362.	19.6
%RSD	.05086	.67775	.33837
#1	3432.8	53707.	5793.3
#2	3430.4	53195.	5765.7

Sample Name: LCS 280-117184/2-A Acquired: 5/2/2012 1:59:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05176	1.8232	1.0288	.97801	1.9756	.04609	2.1243	45.362	.10026	.48456
Stddev	.00025	.0079	.0050	.00097	.0161	.00043	.0033	.366	.00015	.00081
%RSD	.47344	.43417	.48637	.09947	.81499	.94227	.15573	.80620	.15315	.16676
#1	.05159	1.8176	1.0324	.97732	1.9870	.04639	2.1267	45.620	.10037	.48399
#2	.05194	1.8288	1.0253	.97869	1.9642	.04578	2.1220	45.103	.10015	.48513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19852	.26241	.94369	48.903	.96898	47.643	.50062	1.0075	50.586	.48284
Stddev	.00069	.00024	.00230	.381	.00967	.088	.00153	.0030	.568	.00039
%RSD	.34659	.09045	.24327	.77916	.99833	.18408	.30569	.30169	1.1223	.07981
#1	.19901	.26224	.94531	49.172	.97582	47.581	.49954	1.0096	50.987	.48257
#2	.19804	.26258	.94207	48.633	.96214	47.705	.50170	1.0053	50.184	.48311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7536	.49221	.05657	.48305	2.0602	F 9.2127	F 19.715	1.9766	.98643	1.0271
Stddev	.0160	.00200	.00033	.00138	.0003	.0460	.099	.0011	.00858	.0033
%RSD	.16422	.40603	.59031	.28594	.01530	.49976	.49976	.05339	.86980	.31926
#1	9.7423	.49362	.05634	.48403	2.0605	9.2452	19.785	1.9773	.99249	1.0248
#2	9.7650	.49080	.05681	.48208	2.0600	9.1801	19.645	1.9759	.98036	1.0294
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98894	1.9719	2.2356	.50474	.49422	.47930
Stddev	.00322	.0019	.0060	.00263	.00466	.00906
%RSD	.32573	.09745	.26756	.52060	.94285	1.8905
#1	.98666	1.9733	2.2314	.50288	.49092	.48570
#2	.99122	1.9706	2.2398	.50660	.49751	.47289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3277.3	50399.	5768.7
Stddev	1.9	136.	3.9
%RSD	.05672	.27048	.06733
#1	3278.6	50495.	5765.9
#2	3276.0	50303.	5771.4

Sample Name: LCSD 280-117184/3-A Acquired: 5/2/2012 2:01:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05154	1.8389	1.0312	.98250	1.9952	.04669	2.1439	45.986	.10066	.48766
Stddev	.00057	.0015	.0026	.00247	.0088	.00025	.0018	.372	.00006	.00048
%RSD	1.1034	.08309	.24827	.25125	.44144	.52825	.08420	.80823	.06373	.09742
#1	.05114	1.8400	1.0293	.98425	2.0014	.04687	2.1426	46.249	.10071	.48799
#2	.05194	1.8378	1.0330	.98076	1.9890	.04652	2.1451	45.723	.10062	.48732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19994	.26294	.96577	49.531	.97874	47.937	.50281	1.0145	51.295	.48614
Stddev	.00045	.00003	.01095	.374	.01030	.176	.00132	.0010	.098	.00021
%RSD	.22270	.00964	1.1341	.75506	1.0526	.36785	.26258	.09900	.19184	.04393
#1	.20026	.26296	.97352	49.796	.98603	47.812	.50188	1.0152	51.365	.48598
#2	.19963	.26292	.95803	49.267	.97146	48.061	.50374	1.0138	51.225	.48629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8057	.49555	.05424	.49026	2.0445	F 9.3490	F 20.007	1.9833	.99570	1.0300
Stddev	.0108	.00011	.00287	.00348	.0015	.0428	.092	.0007	.00423	.0014
%RSD	.11021	.02131	5.2975	.70892	.07472	.45755	.45755	.03530	.42508	.13112
#1	9.7980	.49548	.05628	.48780	2.0434	9.3792	20.072	1.9828	.99870	1.0310
#2	9.8133	.49562	.05221	.49272	2.0456	9.3187	19.942	1.9838	.99271	1.0290
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99677	1.9856	2.2334	.50789	.49736	.48786
Stddev	.00160	.0036	.0146	.00032	.00076	.00146
%RSD	.16027	.18233	.65569	.06240	.15303	.30005
#1	.99564	1.9882	2.2230	.50766	.49683	.48682
#2	.99790	1.9831	2.2437	.50811	.49790	.48889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3268.4	50308.	5706.4
Stddev	9.6	240.	50.2
%RSD	.29353	.47624	.87915
#1	3261.6	50477.	5671.0
#2	3275.2	50139.	5741.9

Sample Name: 280-28076-S-1-B Acquired: 5/2/2012 2:04:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.69704	-.00119	.10945	.15476	.00004	-.00052	32.560	.00021	-.00007
Stddev	.00048	.00350	.00492	.00034	.00052	.00002	.00117	.080	.00015	.00001
%RSD	192.70	.50246	412.14	.31036	.33688	55.951	223.56	.24452	70.686	16.247
#1	-.00009	.69952	-.00467	.10921	.15439	.00003	-.00135	32.503	.00032	-.00008
#2	.00059	.69456	.00229	.10969	.15513	.00006	.00030	32.616	.00011	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00494	.00484	.40080	15.233	.02473	.04939	.00520	.00362	398.68	.00566
Stddev	.00016	.00019	.00356	.044	.00026	.00215	.00001	.00067	1.98	.00019
%RSD	3.2499	4.0113	.88741	.28775	1.0351	4.3479	.20802	18.425	.49583	3.2912
#1	.00505	.00498	.39829	15.202	.02455	.05091	.00520	.00315	397.28	.00553
#2	.00483	.00471	.40332	15.263	.02491	.04787	.00521	.00410	400.07	.00580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08233	-.00103	6.0094	-.00174	-.00189	4.6874	10.031	-.00046	.78332	.00087
Stddev	.00316	.00099	.0036	.00118	.00085	.0112	.024	.00104	.00234	.00005
%RSD	3.8361	96.329	.05939	68.187	45.087	.23791	.23791	223.38	.29927	5.8213
#1	.08010	-.00033	6.0120	-.00258	-.00129	4.6796	10.014	-.00120	.78166	.00083
#2	.08456	-.00173	6.0069	-.00090	-.00249	4.6953	10.048	.00027	.78498	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00269	.00261	.00503	.00183	.05522	.00023
Stddev	.00007	.00203	.00439	.00024	.00070	.00063
%RSD	2.5764	77.832	87.179	13.353	1.2633	272.01
#1	.00265	.00117	.00193	.00166	.05571	.00068
#2	.00274	.00405	.00813	.00200	.05473	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3186.8	48382.	5703.9
Stddev	13.7	101.	20.5
%RSD	.43006	.20895	.35964
#1	3177.1	48310.	5718.4
#2	3196.5	48453.	5689.4

Sample Name: 280-28131-R-1-A Acquired: 5/2/2012 2:06:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.10442	-.00166	.11530	.02016	.00006	-.00233	8.9004	.00023	-.00035
Stddev	.00015	.00024	.00373	.00022	.00018	.00005	.00109	.0576	.00013	.00001
%RSD	50.255	.23075	224.26	.19358	.88659	91.014	47.067	.64758	55.991	3.0624
#1	.00042	.10425	-.00430	.11514	.02028	.00009	-.00155	8.9412	.00032	-.00034
#2	.00020	.10459	.00097	.11546	.02003	.00002	-.00310	8.8597	.00014	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00028	.00647	12.757	.03326	.16551	.00046	.00763	276.71	-.00030
Stddev	.00015	.00034	.00013	.036	.00089	.00151	.00002	.00012	.00	.00005
%RSD	192.98	119.91	2.0712	.28433	2.6679	.91360	5.1078	1.5802	.00159	16.388
#1	.00019	.00053	.00657	12.783	.03389	.16445	.00044	.00771	276.71	-.00034
#2	-.00003	.00004	.00638	12.731	.03263	.16658	.00047	.00754	276.70	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01019	-.00088	138.01	-.00212	.00200	6.4304	13.761	.00000	.28040	.00063
Stddev	.00039	.00082	.08	.00057	.00364	.0574	.123	.0003	.00004	.00037
%RSD	3.8480	93.509	.06144	26.763	181.98	.89214	.89214	11637.	.01518	59.365
#1	.01046	-.00146	137.95	-.00253	-.00057	6.4709	13.848	-.00021	.28043	.00089
#2	.00991	-.00030	138.07	-.00172	.00457	6.3898	13.674	.00021	.28037	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00235	.00844	-.00021	.00374	.00023
Stddev	.00021	.00081	.01273	.00035	.00058	.00132
%RSD	363.41	34.547	150.76	166.36	15.514	564.26
#1	-.00009	.00293	.01744	.00004	.00333	-.00070
#2	.00021	.00178	-.00056	-.00045	.00415	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3228.0	49326.	5684.1
Stddev	4.3	331.	11.3
%RSD	.13333	.67058	.19934
#1	3231.0	49092.	5692.1
#2	3224.9	49560.	5676.1

Sample Name: 280-28131-R-3-A Acquired: 5/2/2012 2:08:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.17403	-.00388	.12925	.02156	.00006	-.00405	9.3545	.00019	-.00028
Stddev	.00041	.00070	.00014	.00076	.00025	.00001	.00039	.0212	.00007	.00018
%RSD	543.58	.40084	3.6850	.58732	1.1455	10.728	9.6256	.22658	38.287	66.269
#1	.00036	.17452	-.00398	.12872	.02173	.00007	-.00377	9.3396	.00014	-.00041
#2	-.00021	.17353	-.00378	.12979	.02139	.00006	-.00433	9.3695	.00024	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00038	.01012	15.829	.04490	.14675	.00037	.01004	283.41	.00037
Stddev	.00003	.00007	.00118	.013	.00054	.00131	.00002	.00022	.80	.00022
%RSD	14.812	17.589	11.713	.08025	1.1933	.89050	5.6057	2.1482	.28063	60.647
#1	.00024	.00043	.00928	15.838	.04528	.14582	.00036	.00989	283.97	.00021
#2	.00020	.00033	.01095	15.820	.04452	.14767	.00038	.01020	282.85	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00649	-.00063	133.37	-.00330	-.00079	8.7088	18.637	-.00028	.30848	.00205
Stddev	.00278	.00041	.12	.00228	.00535	.0045	.010	.00072	.00068	.00057
%RSD	42.873	65.180	.08973	69.090	680.67	.05190	.05190	252.41	.21995	27.653
#1	.00452	-.00092	133.45	-.00169	.00300	8.7056	18.630	.00022	.30896	.00165
#2	.00846	-.00034	133.28	-.00491	-.00457	8.7120	18.644	-.00079	.30800	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00029	.00740	-.00030	.00287	-.00135
Stddev	.00033	.00183	.00314	.00036	.00016	.00029
%RSD	136.44	628.78	42.478	120.42	5.4069	21.639
#1	.00047	-.00101	.00962	-.00055	.00276	-.00115
#2	.00001	.00159	.00518	-.00004	.00298	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3225.4	49181.	5637.3
Stddev	2.1	340.	4.9
%RSD	.06418	.69173	.08698
#1	3223.9	48940.	5640.8
#2	3226.9	49421.	5633.8

Sample Name: CCVH-1390999 Acquired: 5/2/2012 2:11:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00117	47.416	.00215	.00307	.00052	.00007	1.0187	.00513	.00012	.00016	.00029	-.00475	47.344
Stddev	.00050	.043	.00308	.00019	.00000	.00007	.0062	.00500	.00026	.00000	.00029	.00047	.060
%RSD	42.823	.09172	143.25	6.0433	.01531	98.826	.60618	97.515	206.66	.51532	102.60	10.003	.12763
#1	-.00152	47.386	.00432	.00320	.00052	.00012	1.0231	.00867	-.00006	.00016	.00049	-.00441	47.386
#2	-.00081	47.447	-.00003	.00294	.00052	.00002	1.0143	.00159	.00031	.00016	.00008	-.00508	47.301
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06990	.00282	-.02520	.00013	.00066	244.23	.00115	.00137	-.00092	5.0607	-.00301	.00160	-.00387
Stddev	.00095	.00142	.00041	.00010	.00034	.52	.00007	.00124	.00097	.0174	.00256	.00158	.01485
%RSD	1.3646	50.439	1.6390	77.195	52.532	.21194	5.7989	90.597	104.88	.34349	85.101	98.878	383.37
#1	.07057	.00182	-.02491	.00020	.00090	243.86	.00111	.00225	-.00024	5.0730	-.00120	.00048	.00663
#2	.06923	.00383	-.02549	.00006	.00041	244.59	.00120	.00049	-.00161	5.0484	-.00482	.00271	-.01437
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00829	.00179	.00039	5.0497	.00864	.00071	10.478	-.00445	.00103	-.04881
Stddev	.03178	.00092	.00015	.0184	.00002	.00027	.022	.00041	.00125	.00153
%RSD	383.37	51.130	38.817	.36351	.22104	37.991	.20765	9.2523	121.13	3.1329
#1	.01418	.00114	.00029	5.0367	.00865	.00090	10.493	-.00416	.00192	-.04989
#2	-.03076	.00244	.00050	5.0627	.00862	.00052	10.462	-.00474	.00015	-.04773
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3289.7	50030.	5620.6
Stddev	4.3	24.	6.7
%RSD	.12995	.04703	.11837
#1	3292.7	50046.	5615.9
#2	3286.6	50013.	5625.3

Sample Name: CCV-1390955 Acquired: 5/2/2012 2:13:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50457	.48424	1.0088	.48589	.49813	.45807	-.00423	4.6250	.50386	.49752	.50045	.52141	2.3919
Stddev	.00094	.00032	.0024	.00001	.00076	.00026	.00102	.0035	.00002	.00127	.00103	.00047	.0092
%RSD	.18701	.06677	.23855	.00177	.15336	.05766	24.105	.07550	.00356	.25619	.20567	.09016	.38359
#1	.50390	.48402	1.0071	.48590	.49759	.45788	-.00351	4.6275	.50385	.49842	.50117	.52174	2.3854
#2	.50523	.48447	1.0105	.48589	.49867	.45825	-.00495	4.6225	.50388	.49662	.49972	.52108	2.3984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.984	.96860	19.180	.49768	.49921	4.8815	.49459	.94905	1.0260	.04964	.97668	1.0155	4.5587
Stddev	.059	.00013	.004	.00006	.00336	.0137	.00024	.00352	.0012	.00003	.00435	.0055	.0210
%RSD	.12088	.01317	.02338	.01116	.67291	.28025	.04808	.37037	.11804	.05180	.44531	.54464	.46017
#1	48.942	.96869	19.184	.49764	.50159	4.8718	.49443	.94656	1.0251	.04966	.97975	1.0194	4.5439
#2	49.026	.96851	19.177	.49772	.49684	4.8912	.49476	.95153	1.0268	.04962	.97360	1.0116	4.5735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7556	.99478	.48929	.00017	.48701	1.0214	-.00181	.49756	.49870	.49315
Stddev	.0449	.00059	.00058	.00044	.00134	.0011	.00432	.00043	.00119	.00320
%RSD	.46017	.05886	.11809	251.40	.27617	.11046	238.63	.08562	.23866	.64872
#1	9.7239	.99436	.48888	-.00014	.48796	1.0206	-.00487	.49726	.49954	.49541
#2	9.7873	.99519	.48970	.00048	.48606	1.0222	.00124	.49786	.49785	.49089
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3357.5	51593.	5682.7
Stddev	1.8	63.	17.9
%RSD	.05276	.12114	.31547
#1	3358.7	51638.	5670.0
#2	3356.2	51549.	5695.4

Sample Name: CCB Acquired: 5/2/2012 2:15:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	-.00059	-.00199	.00215	.00019	.00010	-.00386	-.00250	.00020	-.00024	-.00008	-.00124
Stddev	.00052	.00041	.00032	.00028	.00002	.00012	.00133	.00083	.00002	.00015	.00014	.00034
%RSD	101.96	69.244	15.847	12.811	11.479	124.71	34.451	33.054	8.0916	62.274	186.26	27.830
#1	.00088	-.00087	-.00177	.00196	.00018	.00001	-.00292	-.00192	.00021	-.00035	.00002	-.00099
#2	.00014	-.00030	-.00221	.00234	.00021	.00019	-.00480	-.00309	.00019	-.00014	-.00018	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00091	.02152	.00090	.00068	.00001	.00062	W .16240	-.00086	.00166	-.00087	.04511	-.00038
Stddev	.00124	.00318	.00312	.00022	.00000	.00069	.00537	.00007	.00069	.00005	.00136	.00086
%RSD	137.09	14.757	347.27	31.668	19.999	111.22	3.3094	8.0309	41.608	6.0616	3.0105	226.93
#1	-.00178	.02376	-.00131	.00084	.00002	.00013	.16620	-.00091	.00117	-.00091	.04415	.00023
#2	-.00003	.01927	.00311	.00053	.00001	.00111	.15860	-.00081	.00215	-.00084	.04607	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00239	-.01702	-.03643	.00125	.00003	.00160	.00036	-.00028	.02428	-.00044	.00203	-.00030
Stddev	.00131	.00004	.00008	.00006	.00003	.00014	.00020	.00052	.02961	.00041	.00077	.00029
%RSD	54.621	.21513	.21513	5.1459	107.15	8.6264	54.230	187.40	121.98	94.722	38.122	96.908
#1	.00332	-.01700	-.03637	.00120	.00001	.00170	.00022	-.00064	.04522	-.00073	.00257	-.00009
#2	.00147	-.01705	-.03648	.00129	.00005	.00150	.00050	.00009	.00334	-.00014	.00148	-.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3379.4	52447.	5626.2
Stddev	6.7	108.	18.7
%RSD	.19855	.20674	.33297
#1	3384.1	52371.	5612.9
#2	3374.7	52524.	5639.4

Sample Name: CCVL1390952 Acquired: 5/2/2012 2:18:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01048	.09981	.01463	.09728	.01012	.00103	.11410	.18423	.00528	.01013	.01027	.01495	.09524	2.9876
Stddev	.00009	.00074	.00213	.00092	.00021	.00005	.00198	.00035	.00001	.00011	.00011	.00006	.00391	.0069
%RSD	.81908	.74502	14.573	.94583	2.0986	4.5847	1.7378	.19169	.11973	1.0836	1.0258	.43353	4.1041	.22964
#1	.01054	.10033	.01613	.09663	.00997	.00106	.11270	.18448	.00529	.01006	.01020	.01499	.09247	2.9925
#2	.01042	.09928	.01312	.09793	.01027	.00099	.11551	.18398	.00528	.01021	.01035	.01490	.09800	2.9828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01017	.20083	.01026	.01965	1.1119	.03982	2.7480	.01006	.03933	.00884	.01329	.44390	.94994	.10186
Stddev	.00002	.00327	.00002	.00029	.0091	.00004	.0032	.00055	.00076	.00226	.00349	.01975	.04227	.00020
%RSD	.19985	1.6281	.15863	1.4822	.81651	.09748	.11669	5.4175	1.9285	25.561	26.284	4.4497	4.4497	.19623
#1	.01019	.19851	.01027	.01985	1.1055	.03984	2.7502	.00968	.03880	.01044	.01082	.42993	.92005	.10172
#2	.01016	.20314	.01024	.01944	1.1183	.03979	2.7457	.01045	.03987	.00724	.01576	.45786	.97982	.10200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00985	.01462	.00974	.01652	.07404	.00919	.02191	.01446
Stddev	.00014	.00152	.00027	.00118	.00986	.00029	.00093	.00039
%RSD	1.4243	10.425	2.7721	7.1546	13.317	3.1696	4.2502	2.6980
#1	.00995	.01570	.00955	.01569	.06706	.00940	.02257	.01474
#2	.00975	.01354	.00993	.01736	.08101	.00899	.02125	.01418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3451.0	53566.	5746.9
Stddev	8.5	58.	21.7
%RSD	.24515	.10742	.37829
#1	3457.0	53525.	5762.3
#2	3445.1	53606.	5731.5

Sample Name: 280-28131-BB-4-B Acquired: 5/2/2012 2:20:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.17296	-.00246	.12773	.02103	.00006	-.00278	8.9689	.00019	-.00033
Stddev	.00013	.00068	.00182	.00007	.00004	.00003	.00035	.0486	.00006	.00006
%RSD	2948.3	.39159	73.982	.05318	.17414	52.752	12.727	.54164	30.059	17.754
#1	.00010	.17248	-.00375	.12778	.02106	.00004	-.00303	9.0032	.00023	-.00029
#2	-.00009	.17344	-.00117	.12768	.02101	.00009	-.00253	8.9345	.00015	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00006	.00406	15.223	.04423	.14301	.00039	.01000	274.99	-.00027
Stddev	.00005	.00021	.00055	.063	.00140	.00287	.00002	.00046	1.06	.00007
%RSD	400.77	371.03	13.580	.41065	3.1733	2.0052	4.4820	4.6237	.38502	24.687
#1	-.00005	.00021	.00367	15.267	.04523	.14098	.00040	.00968	275.74	-.00031
#2	.00002	-.00009	.00444	15.179	.04324	.14503	.00037	.01033	274.24	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00600	.00095	130.20	-.00398	.00233	8.5389	18.273	.00007	.29875	.00036
Stddev	.00009	.00078	.08	.00435	.00176	.0797	.171	.00009	.00152	.00020
%RSD	1.5045	82.202	.06331	109.28	75.509	.93365	.93365	116.03	.50995	55.989
#1	.00606	.00150	130.26	-.00706	.00108	8.5952	18.394	.00014	.29983	.00022
#2	.00594	.00040	130.14	-.00091	.00357	8.4825	18.153	.00001	.29767	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00008	.01013	.00005	.00237	-.00057
Stddev	.00007	.00300	.01322	.00020	.00054	.00266
%RSD	41.757	3683.2	130.50	393.75	22.811	462.52
#1	.00013	.00204	.01947	.00020	.00276	-.00245
#2	.00023	-.00221	.00078	-.00009	.00199	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3235.0	49467.	5692.0
Stddev	1.4	73.	4.7
%RSD	.04204	.14708	.08310
#1	3236.0	49519.	5688.6
#2	3234.0	49416.	5695.3

Sample Name: sd 28131-BB-4-B@5 Acquired: 5/2/2012 2:23:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.03592	-.00434	.02712	.00441	.00007	-.00165	1.8278	.00022	.00001
Stddev	.00016	.00026	.00291	.00002	.00026	.00011	.00257	.0048	.00018	.00002
%RSD	29.347	.72272	67.080	.08023	5.8920	158.74	155.42	.26136	82.531	227.57
#1	.00042	.03573	-.00641	.02711	.00460	-.00001	.00016	1.8311	.00035	.00003
#2	.00064	.03610	-.00228	.02714	.00423	.00015	-.00347	1.8244	.00009	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00029	.00661	3.1195	.00906	.03285	.00021	.00180	56.423	-.00013
Stddev	.00012	.00021	.00164	.0573	.00085	.00161	.00005	.00017	.117	.00019
%RSD	65.625	73.594	24.817	1.8370	9.3698	4.9111	21.481	9.3646	.20671	140.23
#1	.00010	-.00014	.00777	3.1600	.00846	.03399	.00024	.00168	56.505	.00000
#2	.00027	-.00044	.00545	3.0790	.00966	.03171	.00018	.00192	56.340	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00383	-.00045	25.833	-.00198	.00164	1.6991	3.6360	-.00001	.06070	.00102
Stddev	.00410	.00154	.080	.00087	.00206	.0144	.0308	.00063	.00001	.00053
%RSD	107.17	344.58	.30891	44.148	125.43	.84768	.84768	11915.	.01667	51.624
#1	.00673	-.00154	25.777	-.00136	.00019	1.7093	3.6578	-.00045	.06071	.00065
#2	.00093	.00064	25.889	-.00260	.00310	1.6889	3.6142	.00044	.06070	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00067	.02102	-.00051	.00358	.00002
Stddev	.00034	.00089	.00018	.00003	.00015	.00059
%RSD	176.73	133.49	.84875	6.5979	4.1206	3829.7
#1	-.00005	.00130	.02115	-.00049	.00347	-.00040
#2	.00043	.00004	.02090	-.00054	.00368	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3370.6	51896.	5743.6
Stddev	4.7	5.	22.4
%RSD	.13976	.01054	.39032
#1	3374.0	51892.	5727.7
#2	3367.3	51900.	5759.4

Sample Name: 280-28131-BB-4-C MS Acquired: 5/2/2012 2:25:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05184	1.9371	1.0633	1.0890	2.0307	.04720	F 2.0988	55.226	.10169	.48503
Stddev	.00057	.0028	.0017	.0032	.0025	.00016	.0034	.066	.00015	.00118
%RSD	1.1048	.14659	.15766	.29750	.12112	.34161	.16022	.11988	.14804	.24297
#1	.05224	1.9391	1.0645	1.0913	2.0290	.04709	2.1011	55.179	.10179	.48586
#2	.05143	1.9351	1.0621	1.0868	2.0325	.04732	2.0964	55.273	.10158	.48420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19845	.26383	.96850	65.813	1.0280	46.671	.50270	1.0220	332.31	.48333
Stddev	.00017	.00129	.00199	.018	.0025	.005	.00127	.0013	.37	.00156
%RSD	.08699	.48868	.20586	.02796	.24086	.00998	.25184	.12469	.11205	.32313
#1	.19833	.26475	.96709	65.800	1.0298	46.675	.50360	1.0229	332.04	.48444
#2	.19857	.26292	.96991	65.826	1.0263	46.668	.50181	1.0211	332.57	.48223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.085	.47903	133.02	.48985	2.0650	18.074	38.678	1.9608	1.3111	1.0358
Stddev	.036	.00132	.23	.00449	.0089	.033	.071	.0006	.0019	.0056
%RSD	.35211	.27519	.17474	.91737	.42866	.18313	.18313	.02835	.14377	.53879
#1	10.110	.47996	133.18	.49303	2.0712	18.097	38.728	1.9604	1.3098	1.0398
#2	10.060	.47810	132.85	.48668	2.0587	18.050	38.628	1.9612	1.3125	1.0319
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99364	1.8439	2.1841	.51066	.50065	.49345
Stddev	.00210	.0075	.0263	.00257	.00069	.00076
%RSD	.21113	.40756	1.2023	.50304	.13711	.15425
#1	.99512	1.8493	2.2027	.51247	.50113	.49398
#2	.99216	1.8386	2.1656	.50884	.50016	.49291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3195.8	49136.	5749.4
Stddev	.6	12.	5.6
%RSD	.01900	.02344	.09744
#1	3195.4	49144.	5745.4
#2	3196.2	49128.	5753.4

Sample Name: 280-28131-BB-4-D MSD Acquired: 5/2/2012 2:27:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05301	1.9808	1.0787	1.1151	2.0728	.04796	F 2.1416	56.574	.10373	.49524
Stddev	.00034	.0035	.0043	.0019	.0095	.00023	.0023	.023	.00005	.00045
%RSD	.64972	.17824	.39413	.17439	.45608	.47052	.10693	.04062	.04971	.08990
#1	.05326	1.9833	1.0817	1.1165	2.0795	.04780	2.1432	56.590	.10376	.49556
#2	.05277	1.9783	1.0757	1.1138	2.0661	.04812	2.1399	56.558	.10369	.49493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20275	.26802	.99072	67.366	1.0470	47.659	.51308	1.0473	341.11	.49235
Stddev	.00060	.00162	.00058	.115	.0003	.095	.00089	.0004	1.16	.00058
%RSD	.29730	.60474	.05880	.17126	.02836	.19859	.17337	.03671	.33947	.11768
#1	.20318	.26917	.99030	67.447	1.0468	47.726	.51371	1.0476	341.93	.49276
#2	.20232	.26688	.99113	67.284	1.0472	47.593	.51246	1.0471	340.29	.49194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.290	.48885	136.61	.50140	2.0941	18.588	39.779	W 2.0052	1.3400	1.0558
Stddev	.025	.00276	.13	.00598	.0037	.042	.090	.0057	.0068	.0059
%RSD	.24548	.56374	.09361	1.1930	.17492	.22559	.22559	.28285	.50899	.55748
#1	10.308	.49079	136.70	.50563	2.0915	18.559	39.716	2.0092	1.3449	1.0600
#2	10.272	.48690	136.52	.49717	2.0967	18.618	39.843	2.0012	1.3352	1.0517
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0185	1.8851	2.2239	.52128	.51973	.50321
Stddev	.0036	.0072	.0017	.00068	.00113	.00207
%RSD	.35532	.38159	.07818	.13128	.21754	.41227
#1	1.0210	1.8902	2.2227	.52176	.52053	.50468
#2	1.0159	1.8800	2.2251	.52080	.51893	.50175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3178.8	48790.	5690.2
Stddev	8.1	3.	36.3
%RSD	.25393	.00639	.63814
#1	3173.1	48787.	5715.9
#2	3184.5	48792.	5664.5

Sample Name: 280-28131-R-5-A Acquired: 5/2/2012 2:30:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00074	-.00256	.00295	.00035	.00006	-.00222	.01670	.00023	-.00029
Stddev	.00060	.00012	.00559	.00009	.00004	.00003	.00084	.00050	.00015	.00030
%RSD	115.73	15.755	218.70	3.1829	10.830	61.945	37.851	2.9733	63.794	102.22
#1	.00009	.00082	-.00651	.00301	.00038	.00003	-.00163	.01635	.00013	-.00051
#2	.00094	.00066	.00140	.00288	.00032	.00008	-.00281	.01706	.00033	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00073	.00284	.07887	.00175	-.00016	.00008	.00161	.27135	-.00070
Stddev	.00002	.00004	.00071	.01135	.00125	.00118	.00002	.00056	.00181	.00018
%RSD	451.79	5.6554	24.929	14.392	71.701	737.48	22.353	34.557	.66626	25.374
#1	-.00001	-.00070	.00234	.08689	.00263	-.00099	.00009	.00122	.27263	-.00057
#2	.00002	-.00076	.00334	.07084	.00086	.00067	.00006	.00201	.27007	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	-.00172	.05039	-.00245	-.00219	.00664	.01421	.00055	.00013	.00090
Stddev	.00321	.00083	.00216	.00142	.00075	.00875	.01873	.00101	.00001	.00001
%RSD	484.71	48.298	4.2852	57.763	34.379	131.80	131.80	185.42	5.0914	1.0257
#1	-.00161	-.00113	.05192	-.00145	-.00272	.00045	.00097	.00126	.00013	.00090
#2	.00293	-.00230	.04886	-.00346	-.00166	.01283	.02745	-.00017	.00014	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	.00127	.01901	-.00064	.00212	.00055
Stddev	.00055	.00041	.01900	.00022	.00017	.00118
%RSD	94.474	32.328	99.907	34.602	8.2267	214.79
#1	.00097	.00098	.03244	-.00048	.00200	-.00029
#2	.00019	.00156	.00558	-.00080	.00225	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3416.5	53116.	5753.2
Stddev	1.1	709.	31.8
%RSD	.03182	1.3348	.55286
#1	3415.7	53618.	5775.7
#2	3417.3	52615.	5730.7

Sample Name: 280-28131-S-6-C Acquired: 5/2/2012 2:32:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00070	-.00048	.00263	.00012	.00012	-.00270	.01492	.00019	-.00013
Stddev	.00010	.00035	.00014	.00047	.00032	.00006	.00239	.00121	.00011	.00010
%RSD	30.175	50.052	28.783	17.895	259.10	49.319	88.239	8.0929	59.075	80.379
#1	.00039	.00045	-.00038	.00229	.00035	.00008	-.00439	.01577	.00027	-.00020
#2	.00025	.00094	-.00057	.00296	-.00010	.00017	-.00102	.01406	.00011	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	-.00047	.00295	.02662	.00039	.00145	.00014	-.00009	.17491	-.00036
Stddev	.00018	.00015	.00049	.03413	.00106	.00247	.00006	.00005	.00094	.00012
%RSD	337.98	31.176	16.775	128.22	271.64	169.87	44.429	50.955	.53753	31.752
#1	.00008	-.00037	.00260	.00249	-.00036	.00320	.00019	-.00012	.17557	-.00028
#2	-.00018	-.00057	.00330	.05076	.00114	-.00029	.00010	-.00006	.17424	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00100	.00027	.19651	-.00306	.00113	-.02833	-.06063	.00016	.00005	.00161
Stddev	.00091	.00045	.00017	.00071	.00041	.00006	.00013	.00100	.00002	.00021
%RSD	90.858	165.01	.08872	23.189	35.954	.21630	.21630	622.45	49.620	12.965
#1	.00036	-.00005	.19639	-.00256	.00142	-.02837	-.06072	.00087	.00007	.00175
#2	.00164	.00059	.19663	-.00356	.00084	-.02829	-.06054	-.00055	.00003	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-.00097	-.00174	-.00038	.00293	.00018
Stddev	.00014	.00007	.00273	.00008	.00019	.00166
%RSD	47.941	6.8404	157.33	19.989	6.3172	941.09
#1	.00019	-.00102	.00020	-.00044	.00280	.00135
#2	.00038	-.00092	-.00367	-.00033	.00306	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3428.7	53272.	5784.3
Stddev	3.5	197.	34.3
%RSD	.10266	.37038	.59302
#1	3431.2	53411.	5808.5
#2	3426.2	53132.	5760.0

Sample Name: CCVH-1390999 Acquired: 5/2/2012 2:34:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00185	47.868	-.00022	.00293	.00038	.00010	F 1.0254	.00466	.00015	.00012	.00034	-.00515
Stddev	.00004	.325	.00966	.00064	.00019	.00011	.0045	.00097	.00006	.00014	.00009	.00060
%RSD	1.9760	.67990	4412.2	21.832	51.372	107.88	.43390	20.718	40.622	116.00	27.586	11.666
#1	-.00187	48.098	-.00705	.00338	.00024	.00017	1.0285	.00534	.00011	.00022	.00027	-.00558
#2	-.00182	47.638	.00661	.00248	.00051	.00002	1.0222	.00398	.00020	.00002	.00041	-.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000					
Low Limit							-.10000					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.671	.03324	-.00073	-.02132	.00023	.00067	245.76	.00135	.00213	.00060	5.1009	-.00188
Stddev	.294	.01659	.00009	.00422	.00001	.00043	2.64	.00021	.00300	.00196	.0150	.00283
%RSD	.61611	49.895	11.656	19.816	6.2195	63.501	1.0726	15.575	141.20	326.47	.29383	150.90
#1	47.879	.02151	-.00079	-.01833	.00024	.00037	247.62	.00149	.00000	.00199	5.1115	.00013
#2	47.464	.04497	-.00067	-.02431	.00022	.00097	243.89	.00120	.00425	-.00079	5.0903	-.00388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00364	-.01151	-.02463	.00204	.00036	5.1084	.00836	.00001	10.617	-.00481	.00159	F -.05098
Stddev	.00152	.00172	.00368	.00232	.00007	.0036	.00028	.00109	.044	.00023	.00051	.00055
%RSD	41.804	14.956	14.956	113.46	19.961	.07102	3.3457	11806.	.41623	4.8378	32.260	1.0727
#1	.00472	-.01029	-.02203	.00368	.00031	5.1109	.00856	.00078	10.649	-.00498	.00123	-.05059
#2	.00257	-.01273	-.02724	.00040	.00041	5.1058	.00816	-.00076	10.586	-.00465	.00196	-.05137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												50.000
Low Limit												-.02000

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3297.2	49979.	5636.8
Stddev	8.5	39.	59.7
%RSD	.25828	.07821	1.0584
#1	3291.1	50007.	5594.6
#2	3303.2	49951.	5678.9

Sample Name: CCVH-1390999 Acquired: 5/2/2012 7:03:23 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00114	48.286	.00382	.00093	.00043	.00012	1.0278	.00228	.00005	.00042	.00028	-.00250	47.769
Stddev	.00012	.038	.00027	.00073	.00010	.00000	.0029	.00104	.00014	.00005	.00020	.00003	.075
%RSD	10.569	.07923	7.0552	78.640	22.259	3.0328	.27702	45.567	257.31	11.254	71.596	1.3133	.15717
#1	-.00122	48.259	.00363	.00041	.00050	.00012	1.0258	.00302	.00015	.00045	.00014	-.00247	47.716
#2	-.00105	48.313	.00401	.00144	.00036	.00011	1.0298	.00155	-.00004	.00039	.00043	-.00252	47.823
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01354	.00115	-.02141	.00008	.00049	247.30	.00117	.00354	.00108	4.9959	.00118	.00961	-.00945
Stddev	.01869	.00028	.00024	.00004	.00047	.50	.00048	.00079	.00057	.0105	.00346	.00255	.01873
%RSD	138.04	24.416	1.1240	54.945	97.673	.20261	41.352	22.394	52.317	.20983	292.42	26.596	198.12
#1	-.00032	.00135	-.02158	.00011	.00015	246.94	.00151	.00298	.00068	4.9885	-.00126	.01141	-.02270
#2	-.02676	.00095	-.02124	.00005	.00082	247.65	.00082	.00410	.00148	5.0033	.00363	.00780	.00379
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.02023	.00244	.00034	4.9381	.00625	.00005	10.229	-.00317	.00066	-.03277
Stddev	.04008	.00003	.00007	.0012	.00016	.00021	.039	.00067	.00002	.00222
%RSD	198.12	1.0865	19.606	.02516	2.5285	380.56	.38225	21.195	3.5514	6.7847
#1	-.04857	.00242	.00029	4.9372	.00637	.00020	10.201	-.00269	.00067	-.03435
#2	.00811	.00246	.00039	4.9390	.00614	-.00009	10.257	-.00364	.00064	-.03120
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3285.0	49788.	5437.4
Stddev	4.7	94.	2.1
%RSD	.14202	.18872	.03777
#1	3288.3	49854.	5436.0
#2	3281.7	49721.	5438.9

Sample Name: CCV-1390955 Acquired: 5/2/2012 7:05:43 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49345	.49440	.97490	.48630	.49243	.46660	-.00075	4.7278	.49673	.49048	.48882	.50331	2.3719
Stddev	.00040	.00270	.00146	.00118	.00044	.00129	.00117	.0177	.00014	.00041	.00081	.00051	.0035
%RSD	.08025	.54599	.15012	.24303	.09011	.27745	155.00	.37386	.02761	.08405	.16526	.10128	.14931
#1	.49373	.49249	.97593	.48714	.49212	.46751	.00007	4.7403	.49683	.49019	.48824	.50367	2.3744
#2	.49317	.49631	.97386	.48547	.49275	.46568	-.00158	4.7153	.49664	.49077	.48939	.50295	2.3694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.776	.97163	19.180	.48501	.48526	4.9807	.48648	.96431	1.0013	.01969	.97236	.99613	4.6425
Stddev	.108	.00231	.050	.00052	.00108	.0345	.00037	.00345	.0014	.00510	.00440	.00133	.0369
%RSD	.22233	.23799	.26182	.10621	.22210	.69363	.07656	.35797	.14283	25.918	.45268	.13323	.79499
#1	48.700	.97327	19.215	.48537	.48602	5.0051	.48674	.96675	1.0003	.01608	.96925	.99707	4.6164
#2	48.853	.96999	19.144	.48464	.48450	4.9562	.48622	.96187	1.0023	.02330	.97548	.99519	4.6686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9350	.97199	.48706	.00126	.48044	1.0066	.01092	.48611	.48323	.47941
Stddev	.0790	.00094	.00026	.00039	.00149	.0004	.00840	.00289	.00099	.00273
%RSD	.79499	.09674	.05325	30.913	.30930	.04327	76.969	.59551	.20464	.56954
#1	9.8791	.97132	.48688	.00099	.48149	1.0063	.01686	.48816	.48393	.48134
#2	9.9908	.97265	.48725	.00154	.47939	1.0069	.00498	.48406	.48253	.47748
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3337.3	51330.	5506.8
Stddev	2.5	37.	10.9
%RSD	.07411	.07265	.19794
#1	3339.1	51356.	5499.1
#2	3335.6	51304.	5514.5

Sample Name: CCB Acquired: 5/2/2012 7:07:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00085	-.00276	.00009	.00033	.00022	-.00216	.00411	.00044	-.00010	.00013	-.00072	.00307
Stddev	.00100	.00072	.00258	.00068	.00010	.00008	.00045	.00418	.00013	.00013	.00016	.00033	.00169
%RSD	463.30	84.692	93.603	767.27	29.268	34.985	20.862	101.68	29.939	120.91	123.62	46.173	54.952
#1	.00093	.00034	-.00093	-.00039	.00039	.00016	-.00248	.00707	.00053	-.00002	.00024	-.00049	.00427
#2	-.00049	.00136	-.00459	.00057	.00026	.00027	-.00184	.00116	.00034	-.00019	.00002	-.00096	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03576	.00089	.00292	.00013	.00084	.07021	-.00088	.00114	-.00003	.01440	.00043	.00403	-.01039
Stddev	.00728	.00381	.00108	.00004	.00041	.00804	.00030	.00087	.00011	.00381	.00124	.00651	.00256
%RSD	20.347	427.57	36.822	29.245	47.969	11.452	33.618	76.303	350.21	26.438	288.31	161.63	24.592
#1	.03061	.00358	.00216	.00016	.00056	.06452	-.00109	.00053	-.00011	.01709	-.00045	-.00058	-.00859
#2	.04090	-.00180	.00368	.00011	.00113	.07589	-.00067	.00176	.00005	.01171	.00131	.00863	-.01220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.02224	.00135	.00021	.00253	.00011	.00097	-.01381	-.00058	.00111	-.00010
Stddev	.00547	.00009	.00010	.00045	.00001	.00115	.01530	.00011	.00027	.00079
%RSD	24.592	6.9967	48.755	17.624	5.6698	118.57	110.82	19.768	23.968	763.40
#1	-.01838	.00142	.00028	.00285	.00011	.00016	-.02463	-.00050	.00130	.00045
#2	-.02611	.00128	.00014	.00222	.00012	.00179	-.00299	-.00066	.00093	-.00066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3324.0	51471.	5398.6
Stddev	.7	57.	32.6
%RSD	.02187	.11159	.60309
#1	3323.5	51430.	5421.6
#2	3324.5	51511.	5375.6

Sample Name: CCVL1390952 Acquired: 5/2/2012 7:10:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01030	.09959	.01069	.09314	.01013	.00093	.10785	.18607	.00523	.00999	.00970	.01457	.09341
Stddev	.00017	.00026	.00190	.00005	.00025	.00005	.00528	.00229	.00017	.00037	.00026	.00034	.00093
%RSD	1.6727	.26190	17.785	.05396	2.4921	4.8484	4.8914	1.2281	3.2697	3.7496	2.7054	2.3427	1.0003
#1	.01042	.09977	.01203	.09311	.01030	.00096	.10412	.18768	.00511	.00972	.00988	.01433	.09407
#2	.01018	.09940	.00934	.09318	.00995	.00090	.11158	.18445	.00535	.01025	.00951	.01482	.09275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9994	.01164	.19802	.01012	.01928	1.0499	.03904	2.7060	.00803	.00904	.00718	.01761	.46179
Stddev	.0203	.00222	.00069	.00013	.00026	.0088	.00018	.0144	.00030	.00133	.00137	.00346	.01155
%RSD	.67571	19.101	.34610	1.2389	1.3717	.83502	.46580	.53313	3.7031	14.717	19.087	19.625	2.5000
#1	2.9851	.01007	.19754	.01003	.01909	1.0437	.03916	2.7162	.00825	.00998	.00621	.02005	.45363
#2	3.0137	.01321	.19851	.01020	.01947	1.0561	.03891	2.6958	.00782	.00810	.00815	.01517	.46996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98824	.09809	.00975	.01501	.00967	.01586	F .11411	.00921	.02089	.01465
Stddev	.02471	.00142	.00001	.00066	.00004	.00159	.00292	.00000	.00009	.00034
%RSD	2.5000	1.4523	.10771	4.4284	.43061	10.041	2.5586	.01282	.44216	2.3345
#1	.97077	.09910	.00976	.01454	.00964	.01699	.11205	.00921	.02096	.01440
#2	1.0057	.09708	.00975	.01548	.00970	.01474	.11618	.00921	.02083	.01489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3380.7	52391.	5494.4
Stddev	5.4	69.	.4
%RSD	.15976	.13227	.00684
#1	3384.5	52440.	5494.1
#2	3376.8	52342.	5494.6

Sample Name: 280-28131-BB-4-B Acquired: 5/2/2012 7:12:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s -.00161	.16022	k -.00296	k .11442	k .00133	k .00002	k -.00031	k .46325	k .00015	k -.00024
Stddev	.00035	.02424	.00121	.02013	.00077	.00004	.00028	.31780	.00004	.00022
%RSD	21.587	15.130	40.873	17.595	57.763	235.39	88.363	68.604	26.899	88.550
#1	s -.00186	.14308	k -.00381	k .10019	k .00187	k .00004	k -.00012	k .68797	k .00012	k -.00040
#2	s -.00137	.17736	k -.00210	k .12866	k .00078	k -.00001	k -.00051	k .23853	k .00018	k -.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00020	s -.00267	.00064	.77816	k .00365	s .03782	s .00006	k .00908	15.026	-.00006
Stddev	.00009	.00048	.00040	.47798	.00110	.00357	.00004	.00200	9.219	.00005
%RSD	45.656	18.133	62.033	61.425	30.077	9.4446	71.552	22.023	61.351	87.051
#1	k .00026	s -.00233	.00036	1.1161	k .00443	s .03529	s .00003	k .00767	21.545	-.00002
#2	k .00014	s -.00301	.00092	.44017	k .00287	s .04034	s .00009	k .01049	8.5077	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00699	k -.00050	^ *****	k -.00227	k -.00254	k .49660	k 1.0627	k -.00066	.01481	s .00047
Stddev	.00153	.00007	-----	.00295	.00493	.27548	.5895	.00005	.00984	.00101
%RSD	21.865	13.986	-----	129.98	194.36	55.474	55.474	8.3119	66.466	213.91
#1	k .00807	k -.00055	^ -----	k -.00436	k -.00603	k .69140	k 1.4796	k -.00062	.02177	s -.00024
#2	k .00591	k -.00045	k 129.62	k -.00018	k .00095	k .30180	k .64586	k -.00070	.00785	s .00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .00052	k .00056	s .01589	s -.00026	s .00002	k .00110
Stddev	.00031	.00002	.00408	.00001	.00013	.00102
%RSD	59.395	3.2110	25.667	3.6396	844.83	92.370
#1	s .00030	k .00057	s .01878	s -.00025	s -.00008	k .00038
#2	s .00073	k .00054	s .01301	s -.00027	s .00011	k .00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3425.9	^ *****	8256.6
Stddev	281.5	-----	512.6
%RSD	8.2164	-----	6.2089
#1	3624.9	^ -----	8619.1
#2	3226.9	^ -----	7894.1

Sample Name: sd 28131-BB-4-B@5 Acquired: 5/2/2012 7:15:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	.03696	-.00257	.02574	.00444	.00003	-.00128	1.8945	.00016	-.00005
Stddev	.00038	.00048	.00305	.00002	.00007	.00008	.00145	.0239	.00016	.00013
%RSD	149.39	1.2913	118.66	.09661	1.6030	281.77	113.29	1.2641	99.916	270.28
#1	-.00052	.03662	-.00472	.02576	.00449	-.00003	-.00231	1.9114	.00028	.00004
#2	.00001	.03729	-.00041	.02572	.00439	.00009	-.00026	1.8776	.00005	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	-.00049	.00642	3.1408	.00980	.03037	.00024	.00184	57.590	-.00055
Stddev	.00009	.00013	.00032	.0240	.00151	.00025	.00002	.00034	.465	.00030
%RSD	65.198	25.997	4.9448	.76436	15.449	.81481	9.9876	18.437	.80807	55.123
#1	.00007	-.00040	.00619	3.1578	.01087	.03055	.00025	.00160	57.920	-.00034
#2	.00019	-.00057	.00664	3.1238	.00873	.03020	.00022	.00208	57.261	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00131	-.00057	25.838	-.00265	-.00224	1.7438	3.7318	-.00015	.06118	.00061
Stddev	.00036	.00055	.068	.00099	.00096	.0104	.0223	.00056	.00036	.00129
%RSD	27.277	96.495	.26246	37.440	42.989	.59673	.59673	367.73	.58937	211.91
#1	.00156	-.00096	25.790	-.00194	-.00156	1.7512	3.7475	-.00054	.06143	.00152
#2	.00106	-.00018	25.886	-.00335	-.00293	1.7365	3.7160	.00024	.06092	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00173	.00260	-.00050	.00384	.00075
Stddev	.00007	.00109	.01238	.00013	.00019	.00060
%RSD	151.61	63.020	475.25	26.453	4.8433	79.597
#1	.00000	.00096	.01136	-.00059	.00397	.00117
#2	.00009	.00250	-.00615	-.00041	.00371	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3339.3	51945.	5554.2
Stddev	15.8	266.	79.3
%RSD	.47238	.51285	1.4284
#1	3350.4	52133.	5498.1
#2	3328.1	51757.	5610.3

Sample Name: 280-28131-BB-4-C MS Acquired: 5/2/2012 7:17:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05301	2.0060	1.0584	1.1012	2.0522	.04827	F 2.1122	57.208	.10248	.49010
Stddev	.00010	.0148	.0054	.0097	.0029	.00022	.0151	.060	.00085	.00255
%RSD	.18217	.73764	.50601	.88440	.13941	.45112	.71681	.10471	.82968	.52108
#1	.05307	2.0164	1.0622	1.1081	2.0542	.04842	2.1229	57.250	.10308	.49191
#2	.05294	1.9955	1.0546	1.0943	2.0502	.04811	2.1015	57.165	.10188	.48830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19971	.26283	.97898	66.753	1.0505	48.320	.51081	1.0292	337.84	.48883
Stddev	.00103	.00068	.00048	.050	.0029	.135	.00091	.0082	.79	.00450
%RSD	.51517	.26008	.04923	.07476	.27970	.27965	.17894	.79701	.23438	.91981
#1	.20043	.26332	.97864	66.788	1.0526	48.224	.51016	1.0350	338.40	.49201
#2	.19898	.26235	.97932	66.717	1.0484	48.415	.51146	1.0234	337.28	.48565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.291	.48077	132.99	.49656	2.0530	18.794	40.220	1.9785	1.3252	1.0459
Stddev	.090	.00422	.79	.00197	.0144	.079	.168	.0159	.0016	.0010
%RSD	.87534	.87807	.59353	.39583	.70124	.41888	.41888	.80441	.12185	.09352
#1	10.355	.48376	133.55	.49795	2.0632	18.850	40.339	1.9898	1.3264	1.0452
#2	10.228	.47779	132.43	.49517	2.0428	18.739	40.101	1.9672	1.3241	1.0466
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0258	1.8647	2.1789	.52441	.51629	.49734
Stddev	.0010	.0176	.0254	.00003	.00287	.00294
%RSD	.10012	.94377	1.1649	.00548	.55611	.59048
#1	1.0250	1.8772	2.1610	.52443	.51426	.49942
#2	1.0265	1.8523	2.1969	.52439	.51832	.49526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3143.1	47725.	5477.5
Stddev	15.7	250.	.6
%RSD	.49918	.52358	.01147
#1	3132.0	47902.	5477.9
#2	3154.2	47549.	5477.0

Sample Name: 280-28131-BB-4-D MSD Acquired: 5/2/2012 7:19:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05367	2.0460	1.0729	1.1276	2.0843	.04932	F 2.1594	58.266	.10441	.50029
Stddev	.00062	.0063	.0023	.0078	.0046	.00010	.0068	.368	.00088	.00181
%RSD	1.1579	.30741	.21425	.69285	.22263	.20024	.31356	.63157	.84415	.36154
#1	.05411	2.0415	1.0713	1.1221	2.0875	.04939	2.1546	58.526	.10379	.49901
#2	.05323	2.0504	1.0745	1.1331	2.0810	.04925	2.1642	58.006	.10503	.50157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20308	.26749	.99325	68.168	1.0729	48.983	.51895	1.0516	346.42	.49801
Stddev	.00008	.00344	.00160	.074	.0043	.345	.00496	.0055	.77	.00258
%RSD	.04166	1.2843	.16113	.10829	.40427	.70494	.95511	.52266	.22160	.51731
#1	.20302	.26991	.99212	68.220	1.0759	49.227	.52245	1.0477	346.96	.49619
#2	.20314	.26506	.99439	68.116	1.0698	48.739	.51544	1.0555	345.87	.49983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.508	.49178	136.59	.50710	2.0854	19.180	41.045	W 2.0198	1.3512	1.0612
Stddev	.049	.00232	.63	.00464	.0125	.060	.129	.0062	.0025	.0082
%RSD	.46976	.47167	.46485	.91461	.59815	.31426	.31426	.30843	.18358	.77599
#1	10.473	.49014	136.15	.50382	2.0766	19.223	41.136	2.0154	1.3530	1.0671
#2	10.543	.49342	137.04	.51038	2.0943	19.137	40.954	2.0242	1.3495	1.0554
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0389	1.9029	2.2396	.52821	.52559	.50573
Stddev	.0129	.0043	.0411	.00470	.00594	.00044
%RSD	1.2455	.22742	1.8333	.88985	1.1298	.08731
#1	1.0481	1.8998	2.2686	.53153	.52979	.50604
#2	1.0298	1.9059	2.2105	.52489	.52139	.50542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3136.8	47848.	5444.3
Stddev	7.3	269.	29.0
%RSD	.23135	.56256	.53307
#1	3141.9	47658.	5423.8
#2	3131.7	48038.	5464.8

Sample Name: 280-28131-R-5-A Acquired: 5/2/2012 7:22:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00157	-.00319	.00221	.00011	.00003	-.00596	.01863	.00013	-.00003
Stddev	.00003	.00007	.00274	.00086	.00005	.00004	.00019	.00183	.00015	.00008
%RSD	69.868	4.4237	85.772	39.023	40.135	154.26	3.1034	9.8348	112.58	300.96
#1	-.00002	.00152	-.00126	.00282	.00008	.00000	-.00583	.01992	.00024	.00003
#2	-.00007	.00162	-.00513	.00160	.00015	.00005	-.00610	.01733	.00003	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.00058	.00092	.09636	.00176	.00260	.00008	.00173	.18362	-.00032
Stddev	.00008	.00023	.00096	.01252	.00118	.00028	.00002	.00063	.00722	.00006
%RSD	34.363	39.784	104.35	12.997	67.274	10.903	21.071	36.291	3.9343	20.211
#1	.00030	-.00042	.00160	.08751	.00259	.00280	.00007	.00129	.18873	-.00027
#2	.00018	-.00074	.00024	.10522	.00092	.00240	.00010	.00218	.17851	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	-.00038	.02728	-.00188	.00370	-.00358	-.00766	.00127	.00018	.00303
Stddev	.00241	.00092	.00138	.00026	.00079	.00185	.00397	.00058	.00009	.00041
%RSD	1637.5	240.59	5.0589	13.946	21.248	51.777	51.777	45.689	52.784	13.535
#1	-.00185	.00027	.02630	-.00169	.00314	-.00227	-.00486	.00168	.00011	.00332
#2	.00156	-.00103	.02825	-.00206	.00425	-.00489	-.01047	.00086	.00024	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00032	.00107	-.00031	.00251	-.00075
Stddev	.00005	.00003	.01899	.00026	.00070	.00048
%RSD	27.392	8.5010	1774.3	85.351	27.930	64.355
#1	.00020	.00034	.01450	-.00049	.00300	-.00041
#2	.00014	.00030	-.01236	-.00012	.00201	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3386.8	52860.	5557.0
Stddev	2.6	126.	5.9
%RSD	.07621	.23869	.10665
#1	3385.0	52949.	5561.2
#2	3388.6	52771.	5552.8

Sample Name: 280-28131-S-6-C Acquired: 5/2/2012 7:24:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.00104	-.00413	.00051	.00025	.00004	-.00266	.01937	.00028	-.00023
Stddev	.00005	.00025	.00038	.00047	.00015	.00006	.00064	.00323	.00009	.00001
%RSD	51.928	24.086	9.2782	92.939	62.062	156.46	24.077	16.686	31.808	3.8570
#1	-.00006	.00087	-.00386	.00084	.00035	.00008	-.00220	.01709	.00034	-.00023
#2	-.00013	.00122	-.00440	.00017	.00014	.00000	-.00311	.02166	.00022	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00006	.00559	.03951	-.00007	.00352	.00015	-.00001	.11702	-.00025
Stddev	.00018	.00014	.00418	.03072	.00017	.00415	.00003	.00013	.01585	.00011
%RSD	270.87	250.01	74.695	77.769	258.10	117.71	19.718	1337.1	13.547	44.494
#1	.00006	.00004	.00855	.06123	.00005	.00646	.00017	-.00010	.10581	-.00017
#2	-.00019	-.00015	.00264	.01778	-.00019	.00059	.00013	.00008	.12823	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00113	-.00170	.17044	-.00120	.00128	-.02234	-.04782	.00096	.00007	.00024
Stddev	.00118	.00052	.00002	.00013	.00120	.00834	.01786	.00080	.00006	.00083
%RSD	105.16	30.517	.01242	10.822	93.451	37.344	37.344	83.818	86.613	342.80
#1	.00029	-.00207	.17046	-.00130	.00044	-.02824	-.06044	.00153	.00003	-.00034
#2	.00196	-.00134	.17043	-.00111	.00213	-.01644	-.03519	.00039	.00012	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00010	.03099	-.00054	.00302	.00100
Stddev	.00020	.00054	.01220	.00025	.00010	.00018
%RSD	74.123	549.64	39.378	46.829	3.2636	18.422
#1	.00040	-.00029	.03962	-.00072	.00296	.00113
#2	.00013	.00048	.02236	-.00036	.00309	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3407.5	52737.	5593.0
Stddev	6.4	91.	12.2
%RSD	.18760	.17329	.21735
#1	3412.0	52672.	5601.6
#2	3403.0	52801.	5584.4

Sample Name: CCVH-1390999 Acquired: 5/2/2012 7:26:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00128	47.625	.00402	.00228	.00043	.00008	1.0159	.00327	.00003	.00015	.00045	-.00336	47.284
Stddev	.00031	.313	.00270	.00087	.00020	.00014	.0071	.00369	.00009	.00040	.00022	.00014	.428
%RSD	24.075	.65677	67.059	38.107	47.035	182.18	.69859	112.72	294.01	266.71	49.216	4.3018	.90580
#1	-.00150	47.846	.00593	.00167	.00028	-.00002	1.0209	.00588	.00009	.00043	.00029	-.00325	47.587
#2	-.00106	47.404	.00211	.00290	.00057	.00017	1.0108	.00066	-.00003	-.00013	.00060	-.00346	46.981
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03042	.00039	-.02390	.00019	.00051	244.70	.00073	.00414	.00000	4.9768	-.00285	.00307	.00678
Stddev	.00432	.00110	.00402	.00000	.00003	1.23	.00009	.00242	.0006	.0039	.00212	.00049	.01039
%RSD	14.205	280.41	16.808	2.4864	5.8309	.50113	12.024	58.570	11883.	.07856	74.336	16.127	153.23
#1	.03348	-.00039	-.02674	.00019	.00049	245.56	.00067	.00243	-.00042	4.9740	-.00435	.00272	.01413
#2	.02737	.00117	-.02106	.00019	.00053	243.83	.00079	.00585	.00041	4.9795	-.00135	.00342	-.00057
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01451	.00203	.00034	4.9824	.00732	.00081	10.343	-.00365	.00017	-.04273
Stddev	.02224	.00111	.00006	.0132	.00008	.00112	.066	.00039	.00020	.00432
%RSD	153.23	54.536	17.376	.26415	1.0702	139.41	.63527	10.639	118.97	10.113
#1	.03023	.00281	.00030	4.9731	.00738	.00001	10.296	-.00337	.00003	-.03967
#2	-.00121	.00125	.00038	4.9917	.00727	.00160	10.389	-.00392	.00031	-.04578
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3286.9	49825.	5450.1
Stddev	.7	176.	6.1
%RSD	.02208	.35237	.11195
#1	3286.4	49949.	5445.7
#2	3287.4	49700.	5454.4

Sample Name: CCV-1390955 Acquired: 5/2/2012 7:29:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52145	.50598	1.0156	.49794	.51211	.47738	-.00153	4.8280	.51696	.51166	.51387	.53423	2.4686
Stddev	.00461	.00069	.0017	.00181	.00110	.00121	.00094	.0183	.00106	.00166	.00039	.00702	.0165
%RSD	.88413	.13706	.16536	.36333	.21414	.25444	61.690	.37966	.20535	.32410	.07600	1.3133	.66897
#1	.52471	.50549	1.0144	.49666	.51134	.47652	-.00086	4.8151	.51621	.51049	.51359	.53919	2.4569
#2	.51819	.50647	1.0168	.49922	.51289	.47824	-.00219	4.8410	.51771	.51283	.51414	.52927	2.4803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.895	1.0021	20.241	.51772	.51321	5.0117	.50913	.98563	1.0543	.01774	1.0063	1.0368	4.7626
Stddev	.186	.0061	.144	.00402	.00131	.0029	.00238	.00520	.0010	.00351	.0003	.0060	.0299
%RSD	.36469	.61307	.71111	.77594	.25512	.05791	.46796	.52765	.09374	19.779	.02775	.58326	.62814
#1	50.763	.99777	20.343	.52056	.51228	5.0097	.50745	.98196	1.0536	.01526	1.0061	1.0411	4.7414
#2	51.026	1.0065	20.139	.51488	.51413	5.0138	.51082	.98931	1.0550	.02022	1.0065	1.0326	4.7838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.192	1.0244	.50578	.00071	.50408	1.0436	-.01348	.51576	.52324	.50423
Stddev	.064	.0062	.00107	.00041	.00311	.0015	.00348	.00265	.00361	.00236
%RSD	.62814	.60622	.21186	57.651	.61688	.14817	25.788	.51469	.68982	.46880
#1	10.147	1.0200	.50502	.00100	.50628	1.0446	-.01594	.51764	.52579	.50256
#2	10.237	1.0288	.50654	.00042	.50188	1.0425	-.01102	.51388	.52069	.50590
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3320.5	49147.	5401.6
Stddev	10.0	73.	62.5
%RSD	.30006	.14778	1.1573
#1	3313.4	49198.	5445.8
#2	3327.5	49095.	5357.4

Sample Name: CCB Acquired: 5/2/2012 7:31:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00012	-.00238	.00032	.00019	.00014	-.00235	.00078	.00005	-.00016	.00009
Stddev	.00001	.00019	.00398	.00071	.00009	.00001	.00011	.00410	.00014	.00004	.00009
%RSD	2.7139	155.02	166.99	223.10	49.034	7.9488	4.6628	526.42	247.50	25.519	97.280
#1	.00030	.00001	-.00519	.00082	.00012	.00015	-.00227	-.00212	-.00004	-.00013	.00016
#2	.00029	-.00025	.00043	-.00018	.00026	.00013	-.00242	.00368	.00015	-.00019	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00138	.00073	.04501	-.00009	-.00046	.00008	.00076	.08391	-.00047	.00120	-.00114
Stddev	.00033	.00056	.02434	.00231	.00403	.00002	.00001	.00627	.00016	.00151	.00027
%RSD	24.042	76.805	54.075	2547.1	877.50	27.638	1.7795	7.4736	33.330	126.05	23.759
#1	-.00162	.00113	.02780	.00154	-.00331	.00009	.00075	.07948	-.00036	.00013	-.00133
#2	-.00115	.00034	.06222	-.00172	.00239	.00006	.00077	.08835	-.00058	.00226	-.00095
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00588	-.00128	W .00792	-.00559	-.01195	.00137	.00005	.00112	.00022	.00023	.00885
Stddev	.00086	.00137	.00031	.00020	.00043	.00087	.00002	.00065	.00004	.00092	.00022
%RSD	14.594	106.82	3.9202	3.6103	3.6103	63.294	42.331	57.956	16.344	401.88	2.4435
#1	.00649	-.00225	.00770	-.00544	-.01165	.00076	.00003	.00158	.00025	.00088	.00869
#2	.00527	-.00031	.00813	-.00573	-.01226	.00199	.00006	.00066	.00020	-.00042	.00900
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00037	.00207	-.00165
Stddev	.00011	.00001	.00088
%RSD	29.676	.50712	53.539
#1	-.00030	.00206	-.00102
#2	-.00045	.00207	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3339.2	51819.	5491.0
Stddev	9.0	135.	16.6
%RSD	.27059	.26145	.30291
#1	3345.6	51915.	5502.7
#2	3332.8	51724.	5479.2

Sample Name: CCVL1390952 Acquired: 5/2/2012 7:33:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01085	.10402	.01211	.09829	.01043	.00110	.11478	.18839	.00511	.01041	.01021	.01528	.09593
Stddev	.00010	.00010	.00273	.00022	.00043	.00014	.00061	.00138	.00014	.00035	.00005	.00021	.00226
%RSD	.90159	.09970	22.537	.22763	4.1662	12.937	.53347	.73046	2.6898	3.3220	.51982	1.3580	2.3541
#1	.01092	.10394	.01018	.09813	.01073	.00100	.11435	.18742	.00520	.01066	.01017	.01513	.09753
#2	.01078	.10409	.01404	.09845	.01012	.00120	.11522	.18937	.00501	.01017	.01025	.01543	.09433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1497	.01048	.20857	.01049	.01975	1.0847	.04093	2.8459	.00911	.00806	F .00625	F .01976	.44303
Stddev	.0357	.00175	.00138	.00006	.00004	.0124	.00010	.0057	.00221	.00136	.00037	.00572	.00779
%RSD	1.1325	16.659	.66306	.60024	.20595	1.1429	.23490	.19989	24.266	16.886	5.9878	28.933	1.7580
#1	3.1245	.01172	.20759	.01045	.01972	1.0935	.04087	2.8418	.00755	.00902	.00651	.01572	.44854
#2	3.1749	.00925	.20955	.01054	.01978	1.0759	.04100	2.8499	.01067	.00710	.00598	.02380	.43752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94809	.10264	.01005	.01567	.01003	.01678	.06866	.00941	.02287	.01545
Stddev	.01667	.00008	.00002	.00194	.00057	.00101	.00463	.00062	.00034	.00057
%RSD	1.7580	.07844	.23391	12.350	5.6856	5.9883	6.7496	6.6088	1.4885	3.6800
#1	.95987	.10270	.01003	.01704	.01043	.01749	.06538	.00897	.02262	.01505
#2	.93630	.10259	.01007	.01430	.00962	.01607	.07193	.00985	.02311	.01586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3409.2	52616.	5550.8
Stddev	5.6	91.	19.1
%RSD	.16367	.17325	.34366
#1	3413.1	52552.	5537.3
#2	3405.2	52680.	5564.3

Sample Name: MB 280-117240/1-A Acquired: 5/2/2012 7:36:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00101	-.00329	.00046	.00021	.00005	-.00091	.00719	.00017	-.00009
Stddev	.00021	.00043	.00201	.00007	.00000	.00001	.00024	.00067	.00018	.00024
%RSD	2724.7	42.819	61.106	15.530	1.5685	29.711	26.574	9.2855	103.89	268.69
#1	.00016	.00071	-.00187	.00041	.00021	.00004	-.00074	.00671	.00030	.00008
#2	-.00014	.00132	-.00472	.00051	.00021	.00006	-.00108	.00766	.00005	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	-.00064	.01053	.01364	.00195	.00080	.00015	.00001	.07292	-.00016
Stddev	.00011	.00052	.00045	.00549	.00055	.00164	.00004	.00017	.00246	.00014
%RSD	107.17	80.548	4.2880	40.259	28.378	206.39	24.589	1804.3	3.3765	89.264
#1	-.00002	-.00101	.01085	.00976	.00234	.00196	.00017	-.00011	.07467	-.00026
#2	-.00018	-.00028	.01021	.01753	.00156	-.00037	.00012	.00013	.07118	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00139	-.00013	.00432	-.00215	.00383	W -.00831	-.01779	.00046	.00004	-.00035
Stddev	.00214	.00133	.00351	.00055	.00206	.01404	.03004	.00030	.00002	.00114
%RSD	154.11	1020.9	81.162	25.612	53.839	168.85	168.85	65.206	38.617	324.66
#1	.00012	.00081	.00680	-.00254	.00237	.00161	.00345	.00025	.00005	.00045
#2	-.00290	-.00107	.00184	-.00176	.00528	-.01824	-.03904	.00067	.00003	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.00500				
Low Limit						-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00100	.02910	-.00055	.00225	.00004
Stddev	.00018	.00007	.01650	.00004	.00019	.00190
%RSD	204.25	7.0604	56.705	7.1998	8.3871	4798.5
#1	.00022	-.00105	.01743	-.00052	.00212	.00138
#2	-.00004	-.00095	.04077	-.00058	.00239	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3389.3	52624.	5569.0
Stddev	6.7	117.	3.7
%RSD	.19877	.22189	.06672
#1	3384.6	52707.	5571.7
#2	3394.1	52542.	5566.4

Sample Name: LCS 280-117240/2-A Acquired: 5/2/2012 7:38:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05181	1.9036	1.0226	.99250	2.0017	.04745	2.1466	46.579	.10108	.49068
Stddev	.00012	.0006	.0016	.00184	.0019	.00026	.0083	.123	.00027	.00024
%RSD	.23681	.03399	.15877	.18516	.09622	.54734	.38791	.26421	.26718	.04830
#1	.05173	1.9031	1.0237	.99120	2.0003	.04727	2.1407	46.492	.10089	.49051
#2	.05190	1.9040	1.0214	.99380	2.0030	.04764	2.1525	46.666	.10127	.49085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20056	.26395	.96559	50.172	.98516	49.223	.50988	1.0179	52.111	.48921
Stddev	.00015	.00077	.00830	.133	.00087	.174	.00094	.0009	.006	.00065
%RSD	.07320	.29343	.85921	.26494	.08804	.35452	.18344	.08728	.01106	.13188
#1	.20046	.26450	.95972	50.078	.98454	49.099	.50922	1.0185	52.115	.48875
#2	.20067	.26341	.97145	50.266	.98577	49.346	.51055	1.0173	52.107	.48966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9733	.49623	.01713	.49477	2.0525	9.4831	F 20.294	2.0023	1.0041	1.0334
Stddev	.0218	.00064	.00292	.00128	.0059	.0156	.033	.0055	.0013	.0007
%RSD	.21856	.12964	17.035	.25958	.28634	.16442	.16442	.27517	.12639	.06349
#1	9.9579	.49669	.01507	.49568	2.0566	9.4720	20.270	2.0062	1.0032	1.0338
#2	9.9887	.49578	.01920	.49386	2.0483	9.4941	20.317	1.9984	1.0050	1.0329
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0063	1.9962	2.2351	.51258	.50650	.49261
Stddev	.0027	.0034	.0151	.00246	.00237	.00013
%RSD	.26982	.17056	.67570	.48003	.46729	.02630
#1	1.0044	1.9938	2.2244	.51084	.50483	.49270
#2	1.0082	1.9986	2.2458	.51432	.50817	.49252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3241.8	49416.	5510.1
Stddev	3.6	9.	27.8
%RSD	.11062	.01920	.50395
#1	3244.3	49423.	5529.7
#2	3239.2	49409.	5490.5

Sample Name: 280-28099-E-4-A Acquired: 5/2/2012 7:40:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00284	.00211	.03460	.00937	.00003	-.00229	10.537	.00028	.00029
Stddev	.00019	.00008	.00089	.00032	.00011	.00000	.00256	.036	.00009	.00003
%RSD	83.841	2.8465	42.125	.91940	1.1528	13.230	111.86	.34579	31.280	10.245
#1	.00036	.00290	.00273	.03483	.00944	.00003	-.00410	10.512	.00022	.00031
#2	.00009	.00278	.00148	.03438	.00929	.00003	-.00048	10.563	.00034	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00028	1.8828	6.5644	.00184	3.2713	.76959	.00156	W 10.559	11.743
Stddev	.00006	.00031	.0044	.0510	.00180	.0039	.00089	.00052	.090	.083
%RSD	39.489	108.83	.23563	.77686	97.994	.11902	.11501	33.339	.85051	.70755
#1	.00011	-.00007	1.8796	6.5284	.00311	3.2740	.77022	.00119	10.496	11.802
#2	.00019	-.00050	1.8859	6.6005	.00056	3.2685	.76896	.00193	10.623	11.684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.15005	.00027	3.6266	-.00144	.00283	14.547	31.130	.00038	.10486
Stddev	.00003	.00116	.00083	.0011	.00283	.00083	.107	.229	.00072	.00085
%RSD	106.32	.77611	311.23	.03029	196.43	29.153	.73565	.73565	191.51	.81123
#1	.00006	.15087	-.00032	3.6274	.00056	.00341	14.471	30.968	.00089	.10426
#2	.00001	.14923	.00086	3.6259	-.00344	.00225	14.623	31.292	-.00013	.10546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00178	.00032	.00093	-.00909	-.00015	.00317	.00088
Stddev	.00099	.00026	.00039	.00502	.00006	.00015	.00043
%RSD	55.547	80.681	41.284	55.296	43.663	4.7792	48.107
#1	.00108	.00014	.00121	-.00553	-.00019	.00307	.00119
#2	.00248	.00050	.00066	-.01264	-.00010	.00328	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3396.2	51959.	5588.7
Stddev	4.3	25.	29.7
%RSD	.12766	.04852	.53222
#1	3393.1	51941.	5609.7
#2	3399.3	51977.	5567.6

Sample Name: 280-28099-E-5-A Acquired: 5/2/2012 7:43:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00509	-.00268	.01574	.00361	.00012	-.00406	9.1420	.00023	-.00019
Stddev	.00032	.00017	.00092	.00036	.00016	.00000	.00001	.0560	.00006	.00005
%RSD	93.002	3.3133	34.384	2.2757	4.3441	3.3640	.17601	.61294	26.513	24.447
#1	.00012	.00521	-.00203	.01549	.00350	.00012	-.00406	9.1024	.00027	-.00022
#2	.00057	.00497	-.00333	.01600	.00373	.00011	-.00405	9.1816	.00019	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00092	.00378	3.3331	.00172	3.0320	.15165	.00014	5.7208	-.00019
Stddev	.00008	.00043	.00034	.0164	.00135	.0109	.00006	.00007	.0330	.00005
%RSD	76.227	47.027	8.9225	.49203	78.690	.36042	.03683	54.128	.57652	24.626
#1	.00016	.00062	.00402	3.3447	.00267	3.0397	.15169	.00008	5.6974	-.00016
#2	.00005	.00123	.00354	3.3215	.00076	3.0243	.15161	.00019	5.7441	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01078	.00015	2.5843	-.00483	.00241	9.5478	20.432	.00038	.06548	.00103
Stddev	.00178	.00093	.0003	.00138	.00278	.0466	.100	.00095	.00047	.00005
%RSD	16.538	602.11	.00979	28.533	115.30	.48794	.48794	251.01	.71173	5.3353
#1	.01204	-.00050	2.5842	-.00580	.00437	9.5149	20.362	.00105	.06515	.00107
#2	.00952	.00081	2.5845	-.00385	.00044	9.5808	20.503	-.00029	.06581	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	-.00053	.01234	-.00021	.00259	.00030
Stddev	.00014	.00104	.03593	.00002	.00037	.00059
%RSD	45.745	195.44	291.05	8.7726	14.138	197.89
#1	.00040	.00020	.03775	-.00022	.00233	.00071
#2	.00020	-.00127	-.01306	-.00019	.00285	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3412.5	52513.	5672.9
Stddev	2.9	69.	3.1
%RSD	.08461	.13049	.05467
#1	3410.4	52561.	5675.1
#2	3414.5	52464.	5670.7

Sample Name: 280-28099-E-6-A Acquired: 5/2/2012 7:45:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00207	-.00464	.00851	.00216	.00007	-.00311	13.702	.00036	-.00044
Stddev	.00005	.00017	.00007	.00004	.00008	.00007	.00068	.094	.00005	.00015
%RSD	16.349	8.1712	1.4908	.47265	3.8421	102.13	21.912	.68846	13.933	33.521
#1	.00037	.00195	-.00459	.00854	.00222	.00002	-.00359	13.636	.00040	-.00054
#2	.00030	.00219	-.00468	.00848	.00210	.00012	-.00263	13.769	.00033	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00005	.00281	1.3402	.00380	4.5506	.00017	.00016	6.0534	-.00029
Stddev	.00014	.00000	.00022	.0281	.00106	.0125	.00002	.00018	.0218	.00008
%RSD	43.647	.41923	7.9339	2.0955	27.882	.27506	12.162	116.41	.36022	26.431
#1	.00041	.00005	.00297	1.3204	.00305	4.5417	.00015	.00028	6.0380	-.00024
#2	.00022	.00005	.00265	1.3601	.00455	4.5594	.00018	.00003	6.0688	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02205	-.00040	2.3072	-.00132	.00209	8.9020	19.050	-.00034	.06890	.00092
Stddev	.00189	.00057	.0048	.00008	.00035	.0151	.032	.00031	.00042	.00034
%RSD	8.5883	142.47	.20615	6.1623	16.589	.16964	.16964	92.615	.61144	37.233
#1	.02339	.00000	2.3038	-.00138	.00233	8.8913	19.027	-.00056	.06860	.00068
#2	.02071	-.00080	2.3105	-.00127	.00184	8.9127	19.073	-.00012	.06919	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.00059	.01310	.00093	.00321	-.00088
Stddev	.00030	.00079	.00505	.00007	.00008	.00159
%RSD	240.38	132.30	38.575	7.3061	2.4458	180.19
#1	-.00034	.00115	.01667	.00098	.00316	.00024
#2	.00009	.00004	.00953	.00088	.00327	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3405.5	52272.	5653.6
Stddev	2.8	151.	55.8
%RSD	.08147	.28883	.98765
#1	3407.5	52379.	5693.1
#2	3403.6	52165.	5614.1

Sample Name: sd 280-28099-E-6-A@5 Acquired: 5/2/2012 7:47:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00016	-.00263	.00147	.00060	.00007	.00009	2.7563	.00001	-.00020
Stddev	.00013	.00029	.00133	.00044	.00002	.00005	.00034	.0125	.00006	.00011
%RSD	122.16	177.92	50.373	30.255	3.2516	75.694	374.02	.45400	396.57	55.322
#1	.00019	.00037	-.00170	.00115	.00058	.00010	.00033	2.7651	-.00003	-.00028
#2	.00001	-.00004	-.00357	.00178	.00061	.00003	-.00015	2.7474	.00005	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00069	.00479	.28222	.00163	.92336	.00015	-.00017	1.2768	-.00040
Stddev	.00003	.00002	.00197	.01251	.00015	.00167	.00001	.00010	.0015	.00023
%RSD	66.196	2.3014	41.129	4.4340	9.1476	.18049	5.7674	60.091	.12040	57.634
#1	.00006	-.00068	.00619	.27337	.00152	.92218	.00016	-.00024	1.2778	-.00056
#2	.00002	-.00071	.00340	.29107	.00173	.92454	.00014	-.00010	1.2757	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00471	.00018	.46269	-.00298	.00163	1.7587	3.7636	.00018	.01360	.00034
Stddev	.00087	.00066	.00434	.00018	.00041	.0113	.0243	.00004	.00006	.00031
%RSD	18.444	377.18	.93849	6.1468	25.071	.64434	.64434	24.996	.44997	89.602
#1	.00532	-.00029	.45962	-.00285	.00191	1.7667	3.7807	.00015	.01365	.00013
#2	.00409	.00064	.46576	-.00311	.00134	1.7507	3.7464	.00021	.01356	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00085	.00847	-.00054	.00318	-.00007
Stddev	.00014	.00187	.01847	.00005	.00076	.00243
%RSD	58.071	218.41	218.12	8.5348	23.778	3559.2
#1	.00033	-.00047	-.00459	-.00057	.00371	-.00179
#2	.00014	.00217	.02153	-.00050	.00264	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3433.1	52877.	5625.6
Stddev	6.7	50.	7.0
%RSD	.19604	.09518	.12451
#1	3437.8	52913.	5630.5
#2	3428.3	52842.	5620.6

Sample Name: 280-28099-E-6-B MS Acquired: 5/2/2012 7:50:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05131	1.8447	1.0200	.98995	1.9755	.04676	F 2.1257	59.241	.10050	.48388
Stddev	.00031	.0097	.0116	.00524	.0007	.00028	.0029	.092	.00055	.00057
%RSD	.60305	.52798	1.1324	.52970	.03691	.59293	.13559	.15499	.55092	.11740
#1	.05109	1.8378	1.0118	.98624	1.9761	.04695	2.1237	59.176	.10010	.48348
#2	.05153	1.8516	1.0282	.99366	1.9750	.04656	2.1277	59.306	.10089	.48428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19754	.26235	.95215	50.643	.96736	52.669	.50181	1.0037	57.464	.48080
Stddev	.00082	.00086	.00614	.095	.00186	.102	.00015	.0021	.290	.00186
%RSD	.41453	.32838	.64504	.18756	.19179	.19422	.03064	.20805	.50482	.38670
#1	.19696	.26296	.95649	50.576	.96605	52.741	.50170	1.0023	57.259	.47949
#2	.19812	.26174	.94780	50.710	.96867	52.596	.50192	1.0052	57.669	.48212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.8672	.48804	2.3897	.48948	2.0362	18.233	39.019	1.9687	1.0589	1.0227
Stddev	.0165	.00147	.0050	.00042	.0037	.018	.038	.0049	.0013	.0045
%RSD	.16681	.30186	.20785	.08562	.18247	.09618	.09618	.24839	.11796	.43689
#1	9.8556	.48909	2.3862	.48978	2.0336	18.246	39.045	1.9652	1.0598	1.0259
#2	9.8789	.48700	2.3933	.48918	2.0389	18.221	38.992	1.9721	1.0581	1.0196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99317	1.9396	2.1721	.50251	.49373	.48431
Stddev	.00147	.0064	.0046	.00211	.00430	.00069
%RSD	.14769	.33047	.21068	.42077	.87105	.14168
#1	.99421	1.9351	2.1753	.50400	.49069	.48383
#2	.99213	1.9441	2.1688	.50101	.49677	.48480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3260.9	49798.	5613.0
Stddev	5.9	61.	15.6
%RSD	.18246	.12325	.27773
#1	3265.1	49755.	5624.0
#2	3256.7	49842.	5601.9

Sample Name: 280-28099-E-6-C MSD Acquired: 5/2/2012 7:52:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05188	1.8709	1.0346	1.0010	1.9992	.04731	F 2.1450	59.935	.10106	.48918
Stddev	.00057	.0039	.0012	.0011	.0035	.00011	.0016	.076	.00013	.00087
%RSD	1.0913	.20743	.11361	.10656	.17677	.22698	.07320	.12612	.13162	.17710
#1	.05148	1.8681	1.0337	1.0003	1.9967	.04723	2.1462	59.882	.10096	.48857
#2	.05228	1.8736	1.0354	1.0018	2.0017	.04738	2.1439	59.989	.10115	.48980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20021	.26660	.97008	51.343	.98134	53.417	.50936	1.0181	58.230	.48681
Stddev	.00008	.00120	.00342	.026	.00256	.101	.00081	.0014	.076	.00011
%RSD	.03871	.45082	.35264	.05000	.26111	.18951	.15836	.14270	.13039	.02222
#1	.20015	.26575	.96766	51.325	.97952	53.345	.50879	1.0170	58.177	.48689
#2	.20026	.26745	.97250	51.361	.98315	53.488	.50993	1.0191	58.284	.48673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.9508	.49328	2.4093	.49506	2.0552	18.498	39.585	1.9906	1.0713	1.0349
Stddev	.0154	.00135	.0158	.00063	.0041	.031	.066	.0018	.0030	.0019
%RSD	.15471	.27305	.65485	.12694	.20097	.16661	.16661	.09108	.27992	.18875
#1	9.9399	.49233	2.4204	.49461	2.0523	18.476	39.538	1.9894	1.0692	1.0335
#2	9.9617	.49424	2.3981	.49550	2.0581	18.519	39.632	1.9919	1.0735	1.0362
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0080	1.9644	2.2285	.51005	.50046	.49519
Stddev	.0015	.0078	.0044	.00081	.00034	.00003
%RSD	.15188	.39945	.19686	.15913	.06837	.00702
#1	1.0069	1.9588	2.2316	.51063	.50070	.49522
#2	1.0091	1.9699	2.2254	.50948	.50021	.49517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3258.7	49707.	5598.8
Stddev	2.5	63.	43.4
%RSD	.07617	.12735	.77464
#1	3256.9	49751.	5568.1
#2	3260.4	49662.	5629.4

Sample Name: CCVH-1390999 Acquired: 5/2/2012 7:54:32 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00159	49.452	.00003	.00287	.00056	.00009	W 1.0597	.00892	.00001	.00009	.00051	-.00405
Stddev	.00028	.154	.00093	.00004	.00010	.00003	.0013	.00333	.00021	.00004	.00027	.00016
%RSD	17.516	.31130	3578.5	1.4956	16.991	38.711	.12271	37.369	1640.0	47.022	53.045	4.0407
#1	-.00178	49.343	.00068	.00291	.00063	.00011	1.0588	.01128	-.00014	.00011	.00032	-.00416
#2	-.00139	49.560	-.00063	.00284	.00049	.00006	1.0606	.00656	.00016	.00006	.00070	-.00393
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.462	.06231	.00203	-.02058	.00015	.00201	255.69	.00095	.00542	-.00240	5.2084	-.00240
Stddev	.096	.02436	.00202	.00220	.00000	.00085	.95	.00025	.00302	.00049	.0045	.00114
%RSD	.19377	39.097	99.546	10.709	2.5752	42.527	.37213	25.991	55.765	20.187	.08563	47.566
#1	49.530	.07953	.00060	-.02214	.00015	.00140	255.02	.00078	.00328	-.00206	5.2052	-.00159
#2	49.395	.04508	.00345	-.01902	.00015	.00261	256.37	.00113	.00755	-.00275	5.2115	-.00320
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00451	.00269	.00576	.00237	.00039	W 5.2731	.00802	.00090	W 10.974	-.00418	.00178	-.04405
Stddev	.00006	.00645	.01380	.00132	.00004	.0004	.00014	.00035	.066	.00013	.00039	.00216
%RSD	1.4378	239.72	239.72	55.824	10.371	.00724	1.7275	38.557	.60048	3.0710	21.724	4.9035
#1	.00446	-.00187	-.00400	.00143	.00041	5.2734	.00793	.00065	10.927	-.00427	.00205	-.04558
#2	.00455	.00725	.01552	.00331	.00036	5.2728	.00812	.00114	11.021	-.00408	.00150	-.04253
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3280.3	49777.	5570.7
Stddev	3.1	56.	23.1
%RSD	.09331	.11286	.41553
#1	3282.4	49738.	5587.1
#2	3278.1	49817.	5554.3

Sample Name: CCV-1390955 Acquired: 5/2/2012 7:56:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52627	.51311	1.0377	.50682	.51746	.48129	-.00181	4.8663	.52183	.51710	.51978	.54090	2.4819
Stddev	.00311	.00056	.0022	.00103	.00162	.00017	.00032	.0015	.00027	.00053	.00131	.00142	.0159
%RSD	.59065	.10860	.20688	.20318	.31246	.03471	17.400	.03026	.05203	.10172	.25253	.26260	.64076
#1	.52407	.51351	1.0362	.50609	.51860	.48141	-.00159	4.8652	.52164	.51673	.51885	.53989	2.4931
#2	.52847	.51272	1.0392	.50755	.51631	.48117	-.00203	4.8673	.52202	.51747	.52071	.54190	2.4706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.213	1.0092	20.256	.52076	.51672	5.0544	.51375	1.0005	1.0626	.01323	1.0228	1.0445	4.7639
Stddev	.086	.0019	.057	.00163	.00068	.0082	.00097	.0008	.0006	.00206	.0000	.0013	.0090
%RSD	.16719	.19032	.28005	.31271	.13186	.16291	.18947	.07840	.06041	15.571	.00340	.12374	.18953
#1	51.273	1.0105	20.215	.51960	.51721	5.0602	.51444	1.0011	1.0631	.01177	1.0228	1.0454	4.7575
#2	51.152	1.0078	20.296	.52191	.51624	5.0486	.51307	.99997	1.0622	.01469	1.0229	1.0436	4.7703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.195	1.0309	.51074	.00052	.50891	1.0550	-.00227	.51866	.51822	.51073
Stddev	.019	.0014	.00079	.00074	.00122	.0010	.02183	.00361	.00032	.00404
%RSD	.18953	.14041	.15485	143.54	.24060	.09842	963.36	.69541	.06268	.79027
#1	10.181	1.0319	.51130	-.00001	.50804	1.0557	-.01770	.51611	.51845	.51358
#2	10.208	1.0298	.51018	.00105	.50977	1.0543	.01317	.52121	.51799	.50787
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3339.2	51192.	5572.2
Stddev	4.9	43.	6.8
%RSD	.14653	.08464	.12166
#1	3335.7	51222.	5567.4
#2	3342.6	51161.	5577.0

Sample Name: CCB Acquired: 5/2/2012 7:59:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00008	.00043	.00065	-.00009	.00008	-.00298	-.00153	.00012	-.00021	-.00001	-.00081	-.00090
Stddev	.00046	.00028	.00347	.00026	.00001	.00000	.00173	.00011	.00023	.00013	.00016	.00025	.00170
%RSD	753.56	356.37	802.76	40.128	8.2864	.03803	57.911	7.1330	193.36	63.176	1085.9	31.571	189.59
#1	-.00039	.00012	-.00202	.00084	-.00009	.00008	-.00420	-.00161	.00028	-.00031	.00010	-.00063	-.00210
#2	.00027	-.00028	.00288	.00047	-.00010	.00008	-.00176	-.00146	-.00004	-.00012	-.00013	-.00099	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01049	-.00035	.00279	.00007	.00085	.08718	-.00069	.00042	-.00032	.00757	-.00120	.00163	-.00203
Stddev	.02448	.00092	.00108	.00001	.00013	.00026	.00022	.00029	.00053	.00179	.00187	.00245	.00724
%RSD	233.31	260.92	38.831	19.573	15.836	.30005	31.616	69.440	164.13	23.616	156.15	150.68	356.56
#1	-.02781	-.00100	.00355	.00008	.00075	.08700	-.00084	.00021	-.00070	.00631	.00012	.00336	-.00715
#2	.00682	.00030	.00202	.00006	.00094	.08737	-.00053	.00063	.00005	.00884	-.00252	-.00011	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00435	.00266	.00004	.00114	.00025	.00062	.01881	-.00019	.00177	-.00091
Stddev	.01550	.00021	.00002	.00067	.00036	.00080	.00035	.00030	.00012	.00095
%RSD	356.56	8.0110	61.780	58.724	140.76	129.45	1.8778	156.27	6.8091	104.56
#1	-.01530	.00281	.00002	.00066	.00000	.00119	.01906	-.00040	.00185	-.00159
#2	.00661	.00251	.00006	.00161	.00051	.00005	.01856	.00002	.00168	-.00024
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3366.1	52064.	5509.8
Stddev	2.8	95.	1.9
%RSD	.08253	.18301	.03415
#1	3364.1	51997.	5508.5
#2	3368.0	52132.	5511.1

Sample Name: CCVL1390952 Acquired: 5/2/2012 8:01:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01075	.10591	.01187	.10016	.01063	.00101	.11844	.19357	.00540	.01062	.01037	.01602	.09833
Stddev	.00012	.00032	.00008	.00019	.00001	.00000	.00099	.00239	.00022	.00003	.00034	.00069	.00167
%RSD	1.1131	.29842	.70870	.18937	.13652	.21884	.83707	1.2325	4.0575	.28735	3.2957	4.3103	1.7028
#1	.01083	.10569	.01181	.10029	.01062	.00101	.11914	.19188	.00556	.01064	.01013	.01553	.09714
#2	.01067	.10614	.01193	.10002	.01064	.00101	.11774	.19525	.00525	.01059	.01061	.01651	.09951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1669	.01126	.21090	.01071	.02028	1.0902	.04142	2.9088	.00814	.00140	F .00540	.01537	.46108
Stddev	.0098	.00207	.00315	.00009	.00013	.0032	.00033	.0074	.00133	.00187	.00092	.00159	.01744
%RSD	.30815	18.360	1.4952	.85782	.65750	.29478	.79431	.25489	16.308	133.13	17.094	10.378	3.7833
#1	3.1738	.01272	.20867	.01065	.02037	1.0925	.04166	2.9036	.00907	.00273	.00475	.01424	.44875
#2	3.1600	.00980	.21313	.01078	.02018	1.0879	.04119	2.9141	.00720	.00008	.00606	.01650	.47342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98671	.10602	.01029	.01531	.01033	.01631	F .11023	.00960	.02231	.01420
Stddev	.03733	.00162	.00002	.00002	.00007	.00038	.01906	.00029	.00078	.00240
%RSD	3.7833	1.5318	.20262	.15280	.72192	2.3596	17.287	3.0676	3.4903	16.877
#1	.96032	.10717	.01031	.01529	.01027	.01658	.12371	.00980	.02176	.01590
#2	1.0131	.10487	.01028	.01533	.01038	.01604	.09676	.00939	.02286	.01251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3418.3	52740.	5603.7
Stddev	12.4	66.	29.7
%RSD	.36285	.12601	.53009
#1	3409.6	52787.	5582.7
#2	3427.1	52693.	5624.7

Sample Name: 280-28141-F-1-A Acquired: 5/2/2012 8:03:51 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00100	-.00355	.14123	.00689	.00010	-.00091	19.646	.00023	-.00030
Stddev	.00024	.00043	.00284	.00047	.00027	.00003	.00064	.023	.00011	.00018
%RSD	123.60	42.729	80.022	.33581	3.8553	28.890	69.546	.11461	48.189	60.613
#1	.00002	.00130	-.00154	.14090	.00670	.00012	-.00046	19.662	.00015	-.00043
#2	.00036	.00070	-.00555	.14157	.00708	.00008	-.00136	19.630	.00030	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00083	.00403	3.5301	.00025	5.8235	.00020	-.00010	30.471	.00080
Stddev	.00024	.00004	.00122	.0056	.00140	.0200	.00006	.00001	.124	.00010
%RSD	58.272	4.5016	30.220	.15995	571.58	.34410	30.420	13.081	.40543	12.167
#1	.00057	.00086	.00489	3.5261	.00124	5.8376	.00016	-.00011	30.384	.00086
#2	.00024	.00080	.00317	3.5341	-.00075	5.8093	.00024	-.00009	30.559	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01982	-.00272	5.3719	-.00137	.00403	13.308	28.479	.00031	.15899	.00057
Stddev	.00082	.00018	.0027	.00191	.00178	.003	.006	.00005	.00006	.00063
%RSD	4.1500	6.7480	.05003	139.40	44.142	.01997	.01997	16.931	.04036	110.18
#1	.01924	-.00259	5.3738	-.00273	.00277	13.310	28.483	.00027	.15894	.00013
#2	.02040	-.00285	5.3700	-.00002	.00529	13.306	28.475	.00035	.15903	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00066	.01707	.00020	.00008	-.00121
Stddev	.00021	.00018	.00255	.00008	.00008	.00129
%RSD	54.267	27.746	14.932	38.749	2.6049	106.70
#1	.00023	.00053	.01887	.00014	.00312	-.00030
#2	.00053	.00079	.01526	.00025	.00301	-.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3354.7	51515.	5620.4
Stddev	13.5	87.	4.2
%RSD	.40099	.16801	.07403
#1	3345.2	51454.	5623.4
#2	3364.2	51576.	5617.5

Sample Name: 280-28141-F-2-A 280 Acquired: 5/2/2012 8:06:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.00177	-.00098	.14309	.01729	.00001	-.00694	24.502	.00040	.00049
Stddev	.00001	.00024	.00163	.00071	.00001	.00004	.00100	.048	.00003	.00023
%RSD	18.315	13.621	167.25	.49768	.03087	376.70	14.339	.19433	6.7832	48.241
#1	-.00006	.00160	-.00213	.14259	.01729	.00004	-.00765	24.536	.00038	.00032
#2	-.00008	.00194	.00018	.14360	.01728	-.00002	-.00624	24.469	.00042	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00197	.03805	11.049	.00252	7.8272	.10321	.00001	32.443	.00138
Stddev	.00013	.00014	.00226	.018	.00168	.0514	.00047	.00001	.247	.00011
%RSD	64.178	6.9784	5.9515	.16731	66.695	.65600	.45282	94.508	.76209	7.7659
#1	.00011	.00207	.03965	11.035	.00133	7.8635	.10354	.00000	32.618	.00131
#2	.00030	.00187	.03645	11.062	.00370	7.7908	.10287	.00001	32.268	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02509	-.00009	3.8269	-.00328	-.00071	18.709	40.036	-.00090	.23734	.00155
Stddev	.00055	.00074	.0009	.00060	.00256	.133	.285	.00048	.00005	.00066
%RSD	2.2037	824.19	.02304	18.164	362.24	.71082	.71082	53.277	.02147	42.507
#1	.02548	.00043	3.8275	-.00286	.00110	18.803	40.238	-.00056	.23731	.00201
#2	.02470	-.00061	3.8263	-.00370	-.00252	18.615	39.835	-.00124	.23738	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00089	.01486	.00067	.00362	.00030
Stddev	.00000	.00083	.01285	.00014	.00093	.00134
%RSD	1.7935	93.217	86.478	21.106	25.573	446.57
#1	.00022	.00030	.00577	.00057	.00296	-.00065
#2	.00022	.00148	.02394	.00077	.00427	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3335.7	51193.	5599.3
Stddev	1.5	377.	21.0
%RSD	.04387	.73601	.37546
#1	3334.7	50926.	5614.2
#2	3336.8	51459.	5584.4

Sample Name: 280-28141-F-3-A Acquired: 5/2/2012 8:08:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.00214	.00097	.01855	.00389	.00005	-.00427	21.380	.00030	-.00006
Stddev	.00042	.00027	.00379	.00020	.00005	.00007	.00201	.025	.00000	.00025
%RSD	267.64	12.448	390.63	1.0865	1.2802	133.20	47.166	.11735	1.6377	387.54
#1	.00045	.00233	.00365	.01841	.00392	.00010	-.00570	21.362	.00030	-.00024
#2	-.00014	.00195	-.00171	.01869	.00385	.00000	-.00285	21.397	.00029	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	-.00021	.00625	2.4812	.00223	9.7473	.00064	.00005	8.4363	.00001
Stddev	.00004	.00006	.00018	.0316	.00048	.0094	.00003	.00002	.0048	.00022
%RSD	8.7596	28.057	2.8224	1.2723	21.434	.09628	3.9560	37.606	.05639	2123.0
#1	.00045	-.00025	.00612	2.4589	.00189	9.7539	.00065	.00003	8.4330	-.00014
#2	.00052	-.00017	.00637	2.5035	.00257	9.7406	.00062	.00006	8.4397	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02068	.00015	2.0354	-.00159	.00045	14.535	31.105	.00012	.11265	-.00012
Stddev	.00187	.00121	.0022	.00056	.00398	.011	.023	.00046	.00026	.00141
%RSD	9.0331	802.51	.10963	35.060	873.68	.07332	.07332	380.83	.22860	1204.9
#1	.02200	-.00070	2.0338	-.00198	.00327	14.527	31.089	-.00020	.11247	-.00111
#2	.01936	.00100	2.0370	-.00119	-.00236	14.543	31.121	.00044	.11283	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00145	.03060	.00188	.00363	.00079
Stddev	.00022	.00190	.00485	.00029	.00053	.00264
%RSD	52.343	130.76	15.843	15.657	14.694	335.63
#1	.00057	.00280	.02717	.00209	.00401	.00265
#2	.00026	.00011	.03402	.00167	.00325	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3366.2	51801.	5632.4
Stddev	9.2	23.	1.8
%RSD	.27239	.04468	.03149
#1	3372.7	51818.	5633.7
#2	3359.8	51785.	5631.1

Sample Name: 280-28141-F-4-A Acquired: 5/2/2012 8:10:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00066	-.00600	.10383	.01279	.00003	-.00424	22.186	.00031	-.00023
Stddev	.00022	.00010	.00185	.00102	.00000	.00007	.00078	.086	.00009	.00017
%RSD	78.054	15.840	30.899	.98570	.02431	236.31	18.302	.38832	30.476	74.108
#1	.00043	.00059	-.00469	.10311	.01279	-.00002	-.00369	22.125	.00037	-.00011
#2	.00012	.00073	-.00731	.10456	.01279	.00008	-.00479	22.247	.00024	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00110	.00518	7.2457	.00289	6.9238	.00140	.00013	24.747	.00018
Stddev	.00015	.00019	.00060	.0178	.00189	.0119	.00004	.00000	.350	.00021
%RSD	171.97	17.355	11.649	.24579	65.238	.17209	2.9075	3.2289	1.4138	113.16
#1	-.00002	.00124	.00561	7.2583	.00423	6.9154	.00143	.00013	24.500	.00033
#2	.00019	.00097	.00475	7.2331	.00156	6.9323	.00137	.00013	24.995	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02156	.00070	8.0001	-.00131	.00054	14.310	30.624	-.00020	.18955	.00068
Stddev	.00104	.00020	.0285	.00104	.00413	.030	.064	.00010	.00044	.00044
%RSD	4.8025	27.965	.35667	79.757	760.32	.20953	.20953	50.522	.23286	64.710
#1	.02229	.00084	7.9799	-.00057	.00346	14.289	30.579	-.00013	.18924	.00099
#2	.02082	.00057	8.0203	-.00204	-.00238	14.332	30.670	-.00028	.18987	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00034	.03019	.00068	.00458	.00088
Stddev	.00006	.00041	.00527	.00016	.00094	.00238
%RSD	17.150	118.35	17.463	23.659	20.444	269.54
#1	.00030	.00063	.02646	.00080	.00392	-.00080
#2	.00038	.00006	.03392	.00057	.00524	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3349.0	51346.	5606.0
Stddev	6.9	117.	10.6
%RSD	.20678	.22877	.18828
#1	3353.9	51429.	5613.5
#2	3344.1	51263.	5598.6

Sample Name: 280-28141-F-5-A Acquired: 5/2/2012 8:13:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00193	-.00217	.00053	.00035	.00006	.00165	.04626	.00008	-.00014
Stddev	.00000	.00011	.00032	.00038	.00011	.00004	.00249	.00205	.00020	.00018
%RSD	3.3893	5.6166	14.930	72.078	32.705	63.713	151.16	4.4363	248.55	126.80
#1	.00008	.00201	-.00194	.00080	.00043	.00003	.00340	.04480	.00022	-.00001
#2	.00008	.00185	-.00240	.00026	.00027	.00009	-.00011	.04771	-.00006	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00092	.00572	.02648	-.00180	.00544	.00026	.00002	.24227	-.00069
Stddev	.00020	.00006	.00025	.03518	.00387	.00233	.00001	.00048	.01365	.00011
%RSD	111.76	6.6410	4.3955	132.84	214.49	42.853	5.7553	3109.6	5.6337	16.513
#1	.00032	.00096	.00590	.05135	.00093	.00708	.00025	-.00033	.23261	-.00077
#2	.00004	.00088	.00554	.00161	-.00454	.00379	.00027	.00036	.25192	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00796	-.00028	.01265	-.00148	.00059	.00819	.01752	-.00042	.00017	.00168
Stddev	.00025	.00144	.00007	.00009	.00097	.00833	.01783	.00052	.00000	.00031
%RSD	3.1141	507.90	.54837	5.8451	164.54	101.77	101.77	124.72	.43058	18.758
#1	.00813	.00073	.01270	-.00154	-.00010	.01408	.03013	-.00005	.00017	.00146
#2	.00778	-.00130	.01260	-.00142	.00128	.00230	.00491	-.00079	.00017	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00026	.00707	-.00042	.00369	.00036
Stddev	.00018	.00142	.00769	.00033	.00030	.00181
%RSD	80.457	553.15	108.66	77.540	7.9964	498.33
#1	.00010	-.00126	.01251	-.00019	.00390	.00165
#2	.00036	.00075	.00164	-.00066	.00348	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3401.9	53089.	5588.9
Stddev	6.5	246.	5.0
%RSD	.19169	.46427	.08969
#1	3397.3	53264.	5585.3
#2	3406.6	52915.	5592.4

Sample Name: 280-28141-F-6-A Acquired: 5/2/2012 8:15:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00127	.00067	.19995	.02878	.00009	-.00412	29.700	.00047	.00097
Stddev	.00006	.00024	.00008	.00096	.00017	.00002	.00031	.091	.00009	.00001
%RSD	45.129	19.109	11.967	.47778	.59716	21.830	7.5473	.30588	18.218	.74943
#1	.00018	.00109	.00073	.19928	.02866	.00010	-.00390	29.636	.00041	.00097
#2	.00009	.00144	.00061	.20063	.02891	.00008	-.00434	29.765	.00053	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00205	.00492	20.062	.00203	10.249	1.4409	-.00033	40.986	.00216
Stddev	.00017	.00009	.00052	.041	.00180	.015	.0017	.00010	.290	.00010
%RSD	37.096	4.5486	10.484	.20348	88.476	.14396	.11569	29.921	.70640	4.5796
#1	.00035	.00212	.00528	20.033	.00076	10.238	1.4397	-.00026	40.781	.00223
#2	.00059	.00199	.00455	20.091	.00330	10.259	1.4421	-.00040	41.190	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02802	-.00020	2.6238	-.00303	.00311	18.607	39.818	-.00057	.30569	.00100
Stddev	.00253	.00191	.0023	.00220	.00424	.035	.075	.00099	.00135	.00016
%RSD	9.0308	934.33	.08932	72.698	136.61	.18927	.18927	174.13	.44124	15.568
#1	.02981	-.00155	2.6255	-.00458	.00011	18.582	39.765	.00013	.30474	.00111
#2	.02623	.00114	2.6222	-.00147	.00611	18.632	39.872	-.00127	.30665	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00115	-.00230	.00078	.00313	-.00093
Stddev	.00017	.00091	.00925	.00018	.00057	.00002
%RSD	64.757	78.981	402.67	22.712	18.261	2.4587
#1	.00039	.00051	-.00883	.00065	.00353	-.00095
#2	.00015	.00179	.00424	.00090	.00272	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3306.6	50587.	5576.9
Stddev	4.7	155.	32.2
%RSD	.14121	.30556	.57725
#1	3309.9	50697.	5599.7
#2	3303.3	50478.	5554.1

Sample Name: 280-28141-F-7-A Acquired: 5/2/2012 8:18:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	.00138	-.00374	.12293	.00757	.00007	-.00470	20.871	.00021	-.00027
Stddev	.00027	.00086	.00265	.00006	.00016	.00008	.00090	.009	.00007	.00015
%RSD	47.663	62.601	70.644	.04523	2.0901	114.74	19.207	.04120	32.020	56.361
#1	.00037	.00199	-.00561	.12289	.00769	.00013	-.00534	20.865	.00016	-.00016
#2	.00075	.00077	-.00187	.12297	.00746	.00001	-.00406	20.878	.00025	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00087	.00616	5.0240	.00180	6.2246	.00218	.00002	22.391	.00067
Stddev	.00005	.00044	.00173	.0001	.00072	.0269	.00004	.00012	.342	.00037
%RSD	17.482	50.879	28.160	.00125	40.355	.43274	1.6626	561.33	1.5287	55.685
#1	.00033	.00056	.00739	5.0240	.00128	6.2437	.00216	-.00006	22.149	.00093
#2	.00025	.00118	.00493	5.0239	.00231	6.2056	.00221	.00010	22.633	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03355	-.00026	6.2941	-.00242	-.00125	13.622	29.151	-.00040	.18022	.00028
Stddev	.00206	.00072	.0033	.00006	.00583	.002	.004	.00005	.00022	.00229
%RSD	6.1259	272.00	.05313	2.6138	468.38	.01293	.01293	11.282	.12369	807.54
#1	.03209	-.00077	6.2965	-.00246	-.00537	13.621	29.148	-.00043	.18038	.00191
#2	.03500	.00024	6.2917	-.00237	.00288	13.623	29.154	-.00037	.18006	-.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00012	-.00081	.00032	.00380	.00063
Stddev	.00035	.00154	.01580	.00019	.00003	.00083
%RSD	159.81	1288.0	1957.1	59.617	.75533	133.14
#1	-.00003	-.00097	.01036	.00019	.00382	.00004
#2	.00046	.00121	-.01198	.00046	.00378	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3355.2	51240.	5655.1
Stddev	2.4	86.	10.0
%RSD	.07038	.16701	.17660
#1	3353.6	51180.	5662.1
#2	3356.9	51301.	5648.0

Sample Name: CCVH-1390999 Acquired: 5/2/2012 8:20:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00116	48.722	-.00062	.00129	.00062	.00009	1.0443	.00508	.00012	.00019	.00021	-.00345
Stddev	.00054	.256	.00532	.00068	.00011	.00003	.0060	.00287	.00027	.00013	.00018	.00003
%RSD	46.352	.52634	854.66	53.182	17.893	29.126	.57828	56.630	231.94	69.702	84.846	.76024
#1	-.00078	48.541	-.00438	.00080	.00054	.00011	1.0485	.00711	.00031	.00010	.00034	-.00343
#2	-.00154	48.904	.00314	.00177	.00070	.00007	1.0400	.00304	-.00008	.00028	.00009	-.00347
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.476	.01070	.00074	-.02180	.00013	.00047	252.05	.00087	.00058	-.00148	5.1130	-.00121
Stddev	.181	.06097	.00224	.00358	.00010	.00011	1.24	.00009	.00118	.00172	.0320	.00110
%RSD	.37236	569.74	304.82	16.432	74.156	23.769	.49137	10.468	203.50	116.10	.62661	90.452
#1	48.349	.05382	-.00085	-.02434	.00020	.00055	251.17	.00081	.00141	-.00027	5.1356	-.00199
#2	48.604	-.03241	.00232	-.01927	.00006	.00040	252.92	.00094	-.00025	-.00270	5.0903	-.00044
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00572	.00954	.02041	.00173	.00031	5.1892	.00766	.00098	W 10.822	-.00386	.00140	-.04415
Stddev	.00079	.01784	.03819	.00085	.00003	.0085	.00001	.00097	.035	.00001	.00004	.00200
%RSD	13.758	187.15	187.15	48.920	8.8556	.16350	.11481	98.828	.31914	.17001	2.8440	4.5295
#1	.00627	-.00308	-.00660	.00113	.00029	5.1832	.00765	.00030	10.797	-.00385	.00143	-.04557
#2	.00516	.02215	.04741	.00233	.00032	5.1952	.00766	.00167	10.846	-.00386	.00137	-.04274
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3286.4	49727.	5507.0
Stddev	4.8	35.	14.5
%RSD	.14715	.07037	.26386
#1	3283.0	49702.	5517.3
#2	3289.8	49751.	5496.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 8:22:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51204	.49728	1.0037	.49266	.50378	.46820	-.00172	4.7108	.50760	.50310	.50401	.52954	2.4084
Stddev	.00094	.00080	.0064	.00107	.00172	.00419	.00169	.0391	.00025	.00075	.00108	.00007	.0087
%RSD	.18388	.16115	.63339	.21659	.34200	.89552	98.232	.82992	.04851	.14840	.21358	.01295	.36188
#1	.51138	.49785	.99925	.49341	.50256	.46523	-.00291	4.6832	.50742	.50257	.50325	.52949	2.4023
#2	.51271	.49672	1.0082	.49190	.50499	.47116	-.00052	4.7385	.50777	.50363	.50477	.52959	2.4146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.960	.97742	19.731	.50695	.50108	4.8966	.49883	.97900	1.0330	.01005	.99812	1.0229	4.6586
Stddev	.224	.00511	.027	.00014	.00001	.0378	.00025	.00469	.0001	.00116	.00370	.0047	.0132
%RSD	.44806	.52321	.13648	.02698	.00150	.77159	.04931	.47879	.01178	11.552	.37119	.45917	.28241
#1	49.802	.97380	19.750	.50705	.50108	4.8698	.49866	.98232	1.0331	.00923	1.0007	1.0262	4.6493
#2	50.119	.98103	19.712	.50686	.50109	4.9233	.49901	.97569	1.0329	.01087	.99550	1.0195	4.6679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9694	1.0011	.49885	-.00025	.49179	1.0273	.00669	.50223	.50154	.49940
Stddev	.0282	.0014	.00226	.00148	.00063	.0002	.00931	.00105	.00017	.00176
%RSD	.28241	.14204	.45323	596.43	.12739	.02290	139.12	.20984	.03465	.35289
#1	9.9495	1.0001	.49725	-.00129	.49135	1.0272	.01328	.50298	.50166	.49816
#2	9.9893	1.0021	.50045	.00080	.49223	1.0275	.00011	.50149	.50142	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3354.3	51404.	5632.7
Stddev	7.7	66.	59.8
%RSD	.22972	.12748	1.0621
#1	3359.8	51450.	5675.0
#2	3348.9	51358.	5590.4

Sample Name: CCB Acquired: 5/2/2012 8:25:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00051	-.00150	.00065	.00010	.00010	-.00226	.00065	.00009	-.00033	.00008	-.00086	-.00065
Stddev	.00013	.00046	.00072	.00041	.00000	.00008	.00180	.00311	.00006	.00026	.00005	.00030	.00088
%RSD	32.724	90.185	47.971	62.992	2.8672	82.645	79.550	482.10	69.213	79.857	67.108	34.977	134.21
#1	.00050	-.00019	-.00099	.00036	.00010	.00015	-.00353	.00285	.00005	-.00014	.00004	-.00108	-.00003
#2	.00031	-.00084	-.00201	.00094	.00010	.00004	-.00099	-.00155	.00014	-.00052	.00011	-.00065	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04257	-.00212	.00173	.00012	.00090	.08562	-.00055	.00127	-.00064	.00052	-.00117	.00361	-.01154
Stddev	.03469	.00074	.00024	.00002	.00039	.01240	.00032	.00041	.00109	.00717	.00073	.00316	.01339
%RSD	81.494	34.870	13.664	15.843	43.224	14.484	56.951	32.063	170.80	1370.2	63.005	87.662	116.03
#1	.01804	-.00160	.00156	.00010	.00062	.09439	-.00078	.00098	.00013	.00559	-.00169	.00137	-.00207
#2	.06710	-.00264	.00189	.00013	.00117	.07686	-.00033	.00156	-.00141	-.00455	-.00065	.00584	-.02100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.02469	.00091	.00003	.00078	.00052	-.00040	.00245	-.00029	.00274	.00206
Stddev	.02865	.00056	.00002	.00124	.00022	.00016	.00582	.00026	.00037	.00177
%RSD	116.03	61.537	52.867	160.26	42.169	38.517	237.29	87.977	13.408	85.783
#1	-.00443	.00052	.00002	.00165	.00067	-.00051	.00657	-.00048	.00300	.00081
#2	-.04494	.00131	.00005	-.00010	.00036	-.00029	-.00166	-.00011	.00248	.00331
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3375.8	51879.	5578.5
Stddev	4.2	258.	18.3
%RSD	.12321	.49774	.32883
#1	3378.7	52062.	5565.6
#2	3372.9	51697.	5591.5

Sample Name: CCVL1390952 Acquired: 5/2/2012 8:27:24 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01075	.10617	.01346	.10006	.01066	.00107	.11900	.19488	.00532	.01040	.01035	.01559	.09979
Stddev	.00012	.00083	.00438	.00012	.00013	.00003	.00056	.00024	.00006	.00001	.00007	.00001	.00139
%RSD	1.1132	.77921	32.545	.12403	1.2545	2.7523	.46806	.12164	1.1115	.04983	.65208	.06771	1.3905
#1	.01066	.10675	.01036	.10015	.01056	.00104	.11939	.19504	.00536	.01040	.01030	.01558	.09881
#2	.01083	.10558	.01655	.09997	.01075	.00109	.11860	.19471	.00527	.01040	.01039	.01559	.10077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1656	.01037	.21305	.01078	.02051	1.1000	.04179	2.9144	.00976	.00246	F .00576	.01698	.46256
Stddev	.0298	.00168	.00284	.00012	.00011	.0143	.00008	.0047	.00125	.00234	.00064	.00075	.01094
%RSD	.94079	16.212	1.3324	1.1460	.54218	1.2960	.20001	.16060	12.855	95.099	11.136	4.4048	2.3651
#1	3.1446	.01155	.21506	.01087	.02059	1.0899	.04173	2.9177	.01064	.00081	.00530	.01751	.47029
#2	3.1867	.00918	.21105	.01069	.02044	1.1101	.04185	2.9111	.00887	.00412	.00621	.01645	.45482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98988	.10541	.01048	.01664	.00998	.01748	.06316	.00953	.02393	.01437
Stddev	.02341	.00253	.00012	.00128	.00027	.00086	.00187	.00001	.00004	.00056
%RSD	2.3651	2.3955	1.1470	7.6663	2.7537	4.9277	2.9659	.08662	.15259	3.8673
#1	1.0064	.10720	.01039	.01755	.00979	.01687	.06184	.00952	.02391	.01476
#2	.97332	.10363	.01056	.01574	.01018	.01809	.06449	.00953	.02396	.01398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3431.1	52983.	5632.2
Stddev	5.2	6.	61.4
%RSD	.15102	.01201	1.0894
#1	3427.4	52978.	5675.5
#2	3434.7	52987.	5588.8

Sample Name: MB 280-117477/1-A Acquired: 5/2/2012 8:29:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00156	-.00282	.00018	.00030	.00004	-.00312	.01020	.00024	-.00029
Stddev	.00030	.00020	.00101	.00044	.00008	.00006	.00178	.00162	.00006	.00028
%RSD	113.47	12.689	35.773	241.15	25.018	149.72	57.176	15.866	25.819	96.830
#1	.00048	.00142	-.00353	-.00013	.00025	.00000	-.00186	.00906	.00019	-.00009
#2	.00005	.00170	-.00210	.00049	.00035	.00008	-.00438	.01135	.00028	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00051	-.00014	-.01148	-.00006	.00434	.00022	-.00014	.06754	-.00066
Stddev	.00001	.00047	.00078	.01673	.00024	.00323	.00001	.00014	.00653	.00023
%RSD	182.67	92.278	555.09	145.74	426.41	74.570	4.8641	96.960	9.6670	34.968
#1	-.00001	-.00018	-.00070	-.02332	.00011	.00662	.00022	-.00005	.06293	-.00049
#2	.00000	-.00085	.00041	.00035	-.00022	.00205	.00023	-.00024	.07216	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00140	-.00011	W .00788	-.00102	.00152	W -.00818	-.01750	-.00049	.00013	.00059
Stddev	.00039	.00006	.00249	.00078	.00064	.01235	.02643	.00029	.00010	.00348
%RSD	28.070	53.225	31.534	76.594	41.927	151.05	151.05	58.463	77.245	591.44
#1	-.00168	-.00007	.00964	-.00047	.00107	-.01691	-.03618	-.00029	.00020	-.00187
#2	-.00112	-.00015	.00612	-.00157	.00197	.00056	.00119	-.00069	.00006	.00305
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.00500				
Low Limit			-.00500			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00110	.01814	-.00014	.00240	.00006
Stddev	.00015	.00017	.01294	.00017	.00044	.00059
%RSD	77.942	15.472	71.308	125.91	18.402	989.43
#1	.00029	.00098	.02729	-.00026	.00271	-.00036
#2	.00008	.00121	.00900	-.00002	.00208	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3404.7	52766.	5674.5
Stddev	1.1	20.	32.1
%RSD	.03141	.03878	.56600
#1	3405.5	52780.	5651.8
#2	3403.9	52751.	5697.2

Sample Name: LCS 280-117477/2-A Acquired: 5/2/2012 8:32:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05209	1.8705	1.0239	.99055	2.0067	.04737	2.1510	46.358	.10116	.49071
Stddev	.00005	.0038	.0041	.00439	.0085	.00002	.0015	.089	.00019	.00088
%RSD	.10456	.20522	.40251	.44327	.42350	.04003	.07135	.19295	.18445	.17984
#1	.05205	1.8732	1.0268	.99366	2.0006	.04736	2.1520	46.295	.10129	.49133
#2	.05213	1.8678	1.0210	.98745	2.0127	.04739	2.1499	46.421	.10103	.49009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20028	.26641	.96184	50.206	.98493	49.042	.51090	1.0154	51.976	.48879
Stddev	.00065	.00040	.00184	.216	.00607	.003	.00137	.0016	.160	.00132
%RSD	.32409	.14882	.19175	.43115	.61634	.00626	.26840	.15467	.30702	.26998
#1	.20074	.26613	.96053	50.053	.98063	49.040	.50993	1.0165	51.863	.48972
#2	.19982	.26669	.96314	50.359	.98922	49.045	.51187	1.0143	52.088	.48786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9752	.49301	.01833	.49214	2.0490	F 9.3674	F 20.046	1.9870	1.0073	1.0322
Stddev	.0536	.00156	.00218	.00048	.0195	.0389	.083	.0071	.0045	.0019
%RSD	.53743	.31584	11.871	.09691	.95040	.41472	.41472	.35601	.44257	.17960
#1	10.013	.49411	.01679	.49248	2.0628	9.3399	19.987	1.9820	1.0041	1.0336
#2	9.9373	.49191	.01987	.49180	2.0353	9.3949	20.105	1.9920	1.0104	1.0309
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0014	1.9933	2.2386	.51021	.49971	.49366
Stddev	.0001	.0079	.0611	.00077	.00089	.00228
%RSD	.01473	.39622	2.7292	.15088	.17740	.46103
#1	1.0015	1.9988	2.1954	.50967	.50033	.49527
#2	1.0013	1.9877	2.2818	.51076	.49908	.49205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3266.5	49938.	5609.8
Stddev	1.3	100.	26.7
%RSD	.04040	.20007	.47599
#1	3267.5	49867.	5590.9
#2	3265.6	50009.	5628.7

Sample Name: 280-28240-H-1-D Acquired: 5/2/2012 8:34:20 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.30929	-.00609	.07648	.28852	.00009	-.00289	84.577	.00147	.00005
Stddev	.00051	.00152	.00122	.00001	.00085	.00011	.00217	.236	.00012	.00021
%RSD	96.908	.49025	19.992	.01473	.29320	124.54	75.026	.27942	7.9852	432.64
#1	.00089	.30822	-.00695	.07647	.28792	.00016	-.00442	84.410	.00139	-.00010
#2	.00017	.31036	-.00523	.07649	.28912	.00001	-.00136	84.744	.00155	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00140	.28455	.93269	.02623	24.678	.54184	.00165	33.310	.01525
Stddev	.00006	.00042	.00064	.00188	.00147	.007	.00000	.00086	.188	.00033
%RSD	8.7310	30.131	.22549	.20106	5.6211	.03015	.00019	52.154	.56534	2.1918
#1	.00069	.00170	.28410	.93402	.02728	24.673	.54184	.00104	33.177	.01502
#2	.00078	.00110	.28500	.93136	.02519	24.683	.54184	.00226	33.444	.01549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11483	.00093	18.850	-.00251	.00422	15.945	34.122	.00048	.28171	.00162
Stddev	.00080	.00013	.014	.00115	.00160	.077	.166	.00082	.00132	.00167
%RSD	.70041	14.023	.07535	45.912	37.921	.48553	.48553	168.69	.46888	102.86
#1	.11426	.00084	18.840	-.00170	.00535	15.890	34.005	.00106	.28078	.00280
#2	.11540	.00103	18.860	-.00333	.00309	15.999	34.239	-.00009	.28264	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00908	.00128	-.00112	.00160	.00730	-.00039
Stddev	.00023	.00031	.02187	.00024	.00097	.00086
%RSD	2.5049	24.164	1951.4	15.006	13.301	220.49
#1	.00924	.00106	-.01659	.00143	.00661	.00022
#2	.00892	.00150	.01435	.00176	.00799	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3295.8	50283.	5631.7
Stddev	3.8	133.	20.2
%RSD	.11578	.26492	.35787
#1	3298.5	50377.	5646.0
#2	3293.2	50188.	5617.5

Sample Name: 280-28240-H-2-B Acquired: 5/2/2012 8:36:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.31894	.04977	.20315	.10596	.00010	-.00403	260.13	.00093	.00295
Stddev	.00050	.00014	.00403	.00094	.00022	.00011	.00441	2.03	.00001	.00010
%RSD	45.920	.04501	8.0922	.46275	.20490	116.18	109.51	.78009	1.1691	3.2323
#1	.00074	.31904	.05261	.20381	.10611	.00002	-.00714	258.69	.00092	.00288
#2	.00145	.31884	.04692	.20248	.10581	.00017	-.00091	261.56	.00093	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00120	3.0814	4.7904	.03851	83.617	W 12.578	.00853	121.88	.00243
Stddev	.00016	.00021	.0154	.0179	.00158	.329	.061	.00019	.59	.00048
%RSD	22.369	17.397	.50075	.37447	4.1006	.39356	.48823	2.2287	.48416	19.795
#1	.00062	.00105	3.0923	4.8030	.03962	83.384	12.534	.00839	122.29	.00277
#2	.00085	.00135	3.0705	4.7777	.03739	83.850	12.621	.00866	121.46	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3700	.00193	F 212.87	-.00137	.00334	16.483	35.273	.00012	1.0131	.00069
Stddev	.0020	.00006	.15	.00213	.00134	.005	.010	.00084	.0022	.00024
%RSD	.14813	3.2181	.07063	155.37	39.915	.02782	.02782	729.40	.21425	34.826
#1	1.3685	.00198	212.98	-.00287	.00429	16.486	35.280	-.00048	1.0146	.00086
#2	1.3714	.00189	212.76	.00013	.00240	16.480	35.266	.00071	1.0115	.00052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01069	.00052	W -.06345	.00007	.00701	.00197
Stddev	.00007	.00175	.00163	.00041	.00052	.00121
%RSD	.69441	335.23	2.5702	626.16	7.3936	61.471
#1	.01064	-.00072	-.06460	.00036	.00738	.00111
#2	.01074	.00176	-.06229	-.00023	.00664	.00282
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3125.6	48087.	5564.8
Stddev	4.0	280.	22.2
%RSD	.12856	.58185	.39933
#1	3122.7	48285.	5549.1
#2	3128.4	47889.	5580.6

Sample Name: sd 280-28240-H-2-B@5 Acquired: 5/2/2012 8:39:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.07449	.00734	.04083	.02138	.00003	-.00028	53.308	.00027	.00048
Stddev	.00010	.00040	.00324	.00057	.00026	.00006	.00137	.165	.00010	.00006
%RSD	43.389	.54369	44.082	1.3890	1.2059	159.46	496.44	.30865	36.877	13.121
#1	.00017	.07420	.00963	.04043	.02156	.00007	.00069	53.425	.00035	.00044
#2	.00032	.07477	.00506	.04124	.02120	.00000	-.00124	53.192	.00020	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00007	.63251	.98487	.00737	16.984	2.6516	.00177	24.905	.00013
Stddev	.00009	.00026	.00070	.02634	.00119	.001	.0070	.00016	.047	.00009
%RSD	39.756	353.09	.11080	2.6743	16.085	.00854	.26303	9.0563	.18954	68.094
#1	.00016	-.00026	.63300	.96625	.00654	16.985	2.6565	.00189	24.939	.00007
#2	.00029	.00011	.63201	1.0035	.00821	16.983	2.6467	.00166	24.872	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26792	.00106	41.564	-.00342	-.00236	3.2527	6.9607	.00114	.20356	.00112
Stddev	.00089	.00097	.120	.00123	.00578	.0116	.0249	.00079	.00042	.00106
%RSD	.33078	91.912	.28987	35.872	245.54	.35728	.35728	69.632	.20514	94.010
#1	.26729	.00037	41.479	-.00429	.00173	3.2445	6.9431	.00058	.20326	.00187
#2	.26855	.00175	41.649	-.00255	-.00645	3.2609	6.9783	.00170	.20385	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00286	.00176	-.01965	.00001	.00524	-.00056
Stddev	.00050	.00013	.00905	.00007	.00056	.00093
%RSD	17.641	7.6110	46.048	1133.9	10.641	164.24
#1	.00322	.00166	-.01325	.00006	.00485	.00009
#2	.00251	.00185	-.02605	-.00005	.00564	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3334.6	51183.	5647.9
Stddev	2.5	150.	2.3
%RSD	.07438	.29349	.04133
#1	3336.3	51289.	5649.6
#2	3332.8	51077.	5646.3

Sample Name: 280-28240-H-2-C MS Acquired: 5/2/2012 8:41:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05521	2.3334	W 2.6114	1.1260	1.1966	2.1396	.04655	F 2.1644	305.19	.10453
Stddev	.00007	.0016	.0054	.0001	.0033	.0051	.00005	.0070	2.11	.00002
%RSD	.12718	.06962	.20618	.00826	.27548	.23717	.10405	.32289	.68990	.01516
#1	.05526	2.3345	2.6076	1.1259	1.1989	2.1360	.04652	2.1694	306.68	.10454
#2	.05516	2.3322	2.6152	1.1260	1.1942	2.1432	.04659	2.1595	303.70	.10451
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48659	.20248	.27402	4.1028	56.802	1.0458	133.81	W 13.125	1.0350	175.45
Stddev	.00098	.00083	.00006	.0073	.154	.0016	.08	.060	.0036	.92
%RSD	.20038	.41033	.02132	.17842	.27111	.15224	.05905	.45514	.34491	.52652
#1	.48728	.20307	.27398	4.1079	56.693	1.0447	133.76	13.083	1.0375	174.79
#2	.48590	.20189	.27406	4.0976	56.911	1.0469	133.87	13.167	1.0324	176.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48236	W 11.779	.48700	F 216.92	.50822	2.1423	26.442	56.585	1.9602	2.0425
Stddev	.00110	.043	.00048	.85	.00678	.0210	.026	.056	.0010	.0057
%RSD	.22807	.36362	.09917	.39074	1.3331	.97943	.09946	.09946	.05362	.27916
#1	.48313	11.809	.48734	217.52	.51301	2.1572	26.423	56.545	1.9610	2.0385
#2	.48158	11.749	.48666	216.32	.50343	2.1275	26.460	56.625	1.9595	2.0466
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0447	1.0174	1.8684	2.1779	.51693	.49463	.49312
Stddev	.0002	.0006	.0116	.0386	.00094	.00275	.00181
%RSD	.01627	.05536	.62118	1.7701	.18130	.55660	.36798
#1	1.0448	1.0178	1.8766	2.1506	.51627	.49269	.49184
#2	1.0446	1.0170	1.8601	2.2051	.51760	.49658	.49440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.3	47130.	5588.0
Stddev	3.7	22.	24.0
%RSD	.12068	.04569	.43023
#1	3057.6	47115.	5605.0
#2	3062.9	47146.	5571.0

Sample Name: 280-28240-H-2-D MSD Acquired: 5/2/2012 8:43:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05485	2.3277	W 2.6049	1.1332	1.2002	2.1279	.04642	F 2.1670	299.27	.10445
Stddev	.00055	.0044	.0015	.0022	.0010	.0035	.00016	.0038	2.93	.00036
%RSD	1.0048	.18850	.05833	.19211	.08688	.16280	.35323	.17613	.98049	.34932
#1	.05524	2.3246	2.6038	1.1348	1.2010	2.1255	.04630	2.1697	297.20	.10471
#2	.05446	2.3308	2.6060	1.1317	1.1995	2.1304	.04654	2.1643	301.35	.10419
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48594	.20233	.27044	4.0607	56.440	1.0434	132.30	W 12.960	1.0371	173.35
Stddev	.00078	.00022	.00077	.0151	.151	.0034	.46	.068	.0011	.65
%RSD	.16063	.10815	.28381	.37079	.26789	.32608	.35056	.52559	.10574	.37533
#1	.48539	.20218	.27098	4.0500	56.333	1.0410	132.63	13.008	1.0379	172.89
#2	.48649	.20249	.26989	4.0713	56.547	1.0458	131.97	12.912	1.0364	173.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48224	W 11.763	.48283	F 214.71	.50998	2.1442	26.321	56.326	1.9688	2.0201
Stddev	.00039	.021	.00212	.14	.00032	.0026	.018	.039	.0015	.0036
%RSD	.07992	.17707	.43807	.06521	.06326	.11930	.06985	.06985	.07644	.17823
#1	.48252	11.778	.48133	214.81	.51020	2.1460	26.308	56.298	1.9678	2.0175
#2	.48197	11.748	.48433	214.61	.50975	2.1424	26.334	56.354	1.9699	2.0226
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0395	1.0183	1.8685	2.1370	.51487	.49386	.49441
Stddev	.0066	.0051	.0091	.0138	.00281	.00110	.00273
%RSD	.63857	.49840	.48860	.64560	.54493	.22292	.55216
#1	1.0442	1.0218	1.8620	2.1468	.51685	.49464	.49248
#2	1.0348	1.0147	1.8749	2.1273	.51288	.49308	.49634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3059.7	47210.	5574.0
Stddev	3.6	154.	21.4
%RSD	.11857	.32545	.38452
#1	3062.3	47101.	5558.8
#2	3057.1	47318.	5589.1

Sample Name: 280-28240-H-3-B Acquired: 5/2/2012 8:46:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	1.1392	.00268	.09062	.34168	.00006	-.00523	129.89	.00070	.00156
Stddev	.00024	.0012	.00127	.00056	.00159	.00005	.00056	.81	.00010	.00003
%RSD	55.859	.10902	47.433	.61713	.46558	79.006	10.745	.62465	13.789	2.0616
#1	.00026	1.1383	.00358	.09022	.34056	.00003	-.00563	129.32	.00077	.00154
#2	.00060	1.1401	.00178	.09102	.34281	.00009	-.00483	130.47	.00064	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00168	.00282	1.0659	6.4344	.02763	39.527	4.4025	.00926	36.966	.00352
Stddev	.00005	.00041	.0027	.0122	.00088	.039	.0111	.00052	.171	.00035
%RSD	3.2606	14.417	.25761	.18974	3.1999	.09918	.25090	5.6189	.46280	9.8552
#1	.00172	.00310	1.0639	6.4258	.02700	39.555	4.3947	.00889	36.845	.00377
#2	.00164	.00253	1.0678	6.4430	.02825	39.499	4.4103	.00963	37.087	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47078	.00086	13.771	-.00113	.00484	19.233	41.159	.00071	.62437	.00192
Stddev	.00247	.00054	.001	.00315	.00123	.178	.382	.00189	.00233	.00045
%RSD	.52553	63.034	.00930	279.70	25.367	.92706	.92706	266.02	.37366	23.157
#1	.47253	.00124	13.772	-.00336	.00570	19.107	40.889	-.00063	.62272	.00224
#2	.46903	.00048	13.770	.00110	.00397	19.359	41.428	.00205	.62602	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03130	.00176	-.01876	.00326	.01782	.00170
Stddev	.00041	.00127	.00366	.00019	.00008	.00059
%RSD	1.3079	72.301	19.488	5.8432	.43350	34.461
#1	.03159	.00086	-.01618	.00339	.01788	.00129
#2	.03101	.00266	-.02135	.00312	.01777	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3282.7	50377.	5670.2
Stddev	.2	9.	40.4
%RSD	.00677	.01739	.71300
#1	3282.8	50383.	5698.8
#2	3282.5	50371.	5641.6

Sample Name: CCVH-1390999 Acquired: 5/2/2012 8:48:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00144	48.569	.00169	.00282	.00036	.00016	1.0471	.01003	.00021	.00026	.00025	-.00348
Stddev	.00025	.024	.00011	.00045	.00009	.00010	.0003	.00232	.00006	.00018	.00033	.00015
%RSD	17.605	.05038	6.2805	16.134	26.458	62.946	.02493	23.179	31.010	70.817	134.31	4.2373
#1	-.00162	48.586	.00177	.00314	.00042	.00009	1.0469	.01167	.00016	.00039	.00001	-.00338
#2	-.00126	48.552	.00162	.00250	.00029	.00023	1.0473	.00838	.00025	.00013	.00048	-.00359
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.401	.06197	.00044	-.02134	.00033	.00088	251.45	.00115	.00635	-.00107	5.1170	-.00062
Stddev	.187	.02262	.00095	.00013	.00003	.00030	.14	.00006	.00023	.00002	.0089	.00165
%RSD	.38635	36.509	216.42	.63003	9.0191	34.576	.05562	4.9530	3.5914	2.2311	.17458	266.67
#1	48.534	.07797	-.00023	-.02144	.00035	.00066	251.55	.00119	.00651	-.00109	5.1233	-.00179
#2	48.269	.04597	.00111	-.02125	.00031	.00109	251.35	.00111	.00618	-.00106	5.1107	.00055
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00369	.00742	.01587	.00186	.00038	5.1529	.00726	.00195	W 10.733	-.00405	.00203	-.04182
Stddev	.00109	.01368	.02927	.00159	.00005	.0238	.00016	.00034	.117	.00039	.00071	.00178
%RSD	29.567	184.41	184.41	85.141	13.937	.46087	2.2122	17.567	1.0945	9.5780	34.808	4.2645
#1	.00292	.01709	.03657	.00298	.00034	5.1361	.00738	.00220	10.650	-.00432	.00253	-.04056
#2	.00446	-.00225	-.00483	.00074	.00042	5.1697	.00715	.00171	10.816	-.00377	.00153	-.04308
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3285.5	49774.	5615.3
Stddev	1.5	51.	2.8
%RSD	.04584	.10195	.05015
#1	3284.5	49810.	5613.3
#2	3286.6	49738.	5617.2

Sample Name: CCV-1390955 Acquired: 5/2/2012 8:51:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52871	.51742	1.0323	.51032	.52011	.48557	.00071	4.8604	.52196	.51869	.51883	.54630	2.4915	51.548
Stddev	.00425	.00191	.0011	.00013	.00069	.00037	.00061	.0012	.00029	.00092	.00075	.00450	.0088	.041
%RSD	.80345	.36881	.10938	.02541	.13205	.07601	86.283	.02366	.05468	.17814	.14523	.82394	.35187	.08032
#1	.53172	.51877	1.0315	.51023	.51962	.48530	.00028	4.8612	.52176	.51935	.51937	.54949	2.4977	51.519
#2	.52571	.51608	1.0331	.51041	.52059	.48583	.00114	4.8596	.52216	.51804	.51830	.54312	2.4853	51.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0114	20.382	.52302	.51634	5.0928	.51390	1.0155	1.0577	.01813	1.0299	1.0510	4.8067	10.286	1.0280
Stddev	.0017	.208	.00467	.00189	.0007	.00159	.0019	.0015	.00057	.0027	.0032	.0131	.028	.0048
%RSD	.16907	1.0225	.89240	.36521	.01380	.30893	.18863	.14184	3.1658	.26142	.30917	.27291	.27291	.46972
#1	1.0102	20.530	.52632	.51767	5.0923	.51503	1.0141	1.0588	.01854	1.0280	1.0533	4.8160	10.306	1.0315
#2	1.0126	20.235	.51972	.51500	5.0933	.51278	1.0168	1.0567	.01773	1.0318	1.0487	4.7974	10.266	1.0246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51471	.00035	.50987	1.0578	.02758	.51683	.51430	.51018
Stddev	.00034	.00026	.00369	.0031	.00672	.00491	.00382	.00382
%RSD	.06576	72.740	.72464	.29491	24.372	.95043	.74224	.74784
#1	.51447	.00017	.51248	1.0556	.03234	.52031	.51699	.51287
#2	.51494	.00053	.50726	1.0600	.02283	.51336	.51160	.50748
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3362.5	51757.	5657.5
Stddev	5.1	383.	4.3
%RSD	.15116	.74008	.07581
#1	3358.9	51486.	5660.5
#2	3366.1	52028.	5654.5

Sample Name: CCB Acquired: 5/2/2012 8:53:13 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00069	-.00068	.00057	.00016	.00009	-.00236	-.00022	.00014	-.00013	-.00028	-.00046
Stddev	.00029	.00037	.00176	.00105	.00010	.00004	.00329	.00077	.00011	.00002	.00011	.00005
%RSD	73.255	53.787	257.61	185.11	66.245	47.836	139.55	344.39	73.847	12.121	38.397	11.945
#1	.00019	-.00043	-.00193	.00131	.00008	.00006	-.00003	-.00077	.00022	-.00014	-.00021	-.00042
#2	.00061	-.00095	.00056	-.00018	.00023	.00012	-.00469	.00032	.00007	-.00012	-.00036	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	.06985	.00128	-.00012	.00012	.00085	W .11104	-.00049	.00126	.00001	.01138	.00043
Stddev	.00091	.01430	.00057	.00482	.00000	.00011	.00138	.00034	.00248	.00018	.00129	.00106
%RSD	1141.1	20.477	44.707	3953.2	.57282	13.197	1.2436	68.009	197.33	1245.4	11.298	244.83
#1	-.00072	.05974	.00087	-.00353	.00012	.00077	.11006	-.00073	-.00050	-.00011	.01229	-.00032
#2	.00056	.07997	.00168	.00328	.00012	.00093	.11201	-.00026	.00301	.00014	.01047	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00160	-.00202	-.00431	.00102	.00010	.00250	.00030	.00038	.01189	-.00072	.00240	-.00074
Stddev	.00091	.01451	.03105	.00059	.00001	.00162	.00019	.00031	.01706	.00009	.00076	.00114
%RSD	57.125	720.10	720.10	58.324	14.074	64.962	63.323	81.628	143.48	11.868	31.857	153.46
#1	-.00224	.00825	.01765	.00060	.00009	.00364	.00044	.00060	-.00017	-.00066	.00294	-.00154
#2	-.00095	-.01228	-.02627	.00144	.00011	.00135	.00017	.00016	.02395	-.00078	.00186	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3393.5	52240.	5579.8
Stddev	3.8	75.	11.8
%RSD	.11199	.14425	.21166
#1	3390.9	52186.	5588.2
#2	3396.2	52293.	5571.5

Sample Name: CCVL1390952 Acquired: 5/2/2012 8:55:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01050	.10506	.01365	.10063	.01052	.00102	.11728	.19086	.00514	.01038	.01024	.01562	.09503
Stddev	.00042	.00089	.00011	.00137	.00024	.00004	.00430	.00535	.00000	.00005	.00029	.00001	.00148
%RSD	3.9681	.84999	.83629	1.3656	2.3280	4.3533	3.6646	2.8022	.08012	.44784	2.8346	.04781	1.5549
#1	.01079	.10443	.01373	.10160	.01069	.00099	.11424	.19464	.00515	.01035	.01044	.01563	.09608
#2	.01020	.10569	.01357	.09966	.01034	.00106	.12032	.18708	.00514	.01041	.01003	.01562	.09399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1134	.01134	.21364	.01069	.02018	1.1024	.04121	2.9214	.01019	.00777	.00775	.01457	.46830
Stddev	.0136	.00201	.00112	.00008	.00000	.0102	.00011	.0198	.00012	.00141	.00070	.00369	.00262
%RSD	.43632	17.719	.52417	.70502	.02456	.92549	.27763	.67654	1.1495	18.093	9.0491	25.338	.55992
#1	3.1037	.00992	.21285	.01064	.02018	1.1097	.04129	2.9074	.01027	.00678	.00725	.01719	.47015
#2	3.1230	.01276	.21443	.01075	.02019	1.0952	.04113	2.9354	.01010	.00877	.00824	.01196	.46644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0022	.10478	.01025	.01568	.01010	.01870	F .10162	.00979	.02270	.01696
Stddev	.0056	.00059	.00009	.00023	.00026	.00223	.01019	.00040	.00121	.00044
%RSD	.55992	.55908	.83834	1.4561	2.5797	11.924	10.030	4.0635	5.3526	2.5757
#1	1.0061	.10436	.01031	.01551	.01028	.02028	.10883	.00951	.02184	.01727
#2	.99819	.10519	.01019	.01584	.00991	.01712	.09441	.01007	.02356	.01665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3467.3	53306.	5776.6
Stddev	2.5	96.	8.4
%RSD	.07091	.17942	.14601
#1	3469.1	53239.	5770.6
#2	3465.6	53374.	5782.5

Sample Name: 280-28240-H-4-B Acquired: 5/2/2012 8:58:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00081	.24840	-.00356	.11671	.06026	.00007	-.00378	361.51	.00157	.00417
Stddev	.00040	.00159	.00430	.00160	.00005	.00005	.00214	3.70	.00000	.00011
%RSD	49.438	.63876	120.94	1.3700	.08967	68.788	56.720	1.0221	.21267	2.6667
#1	.00110	.24728	-.00052	.11784	.06022	.00011	-.00529	358.90	.00158	.00409
#2	.00053	.24952	-.00660	.11558	.06030	.00004	-.00226	364.13	.00157	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00154	.24942	10.333	.06720	140.40	6.0660	.00376	152.74	.00677
Stddev	.00001	.00013	.00131	.015	.00027	.76	.0193	.00019	.37	.00039
%RSD	1.9315	8.3632	.52564	.14831	.40609	.54343	.31782	5.0511	.24411	5.7793
#1	.00076	.00163	.25035	10.322	.06739	139.86	6.0524	.00390	152.47	.00650
#2	.00074	.00145	.24850	10.344	.06701	140.94	6.0797	.00363	153.00	.00705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13867	.00080	F 219.32	-.00186	.00234	19.229	41.150	-.00049	1.2371	.00022
Stddev	.00694	.00067	.21	.00138	.00013	.020	.043	.00027	.0027	.00115
%RSD	5.0049	84.031	.09388	74.247	5.4888	.10366	.10366	55.504	.21531	531.90
#1	.13377	.00127	219.46	-.00088	.00243	19.215	41.120	-.00030	1.2352	.00103
#2	.14358	.00032	219.17	-.00283	.00225	19.243	41.180	-.00068	1.2390	-.00060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00702	.00076	-.01105	.00278	.00586	.00183
Stddev	.00004	.00343	.00359	.00011	.00051	.00069
%RSD	.60634	450.75	32.536	3.8811	8.6274	38.011
#1	.00705	.00319	-.01359	.00285	.00550	.00134
#2	.00699	-.00167	-.00850	.00270	.00622	.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3056.0	47293.	5588.7
Stddev	3.8	207.	19.7
%RSD	.12388	.43769	.35160
#1	3053.3	47439.	5574.8
#2	3058.6	47147.	5602.6

Sample Name: 280-28240-H-5-B Acquired: 5/2/2012 9:00:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00068	.01615	.01008	.08438	.35561	.00014	-.00555	128.89	.00091	.00228
Stddev	.00006	.00009	.00208	.00055	.00134	.00004	.00155	.56	.00009	.00012
%RSD	8.5054	.55644	20.616	.64890	.37765	29.878	27.872	.43072	10.101	5.2267
#1	.00073	.01609	.01154	.08476	.35466	.00017	-.00665	128.50	.00084	.00220
#2	.00064	.01622	.00861	.08399	.35656	.00011	-.00446	129.29	.00097	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00071	1.3837	3.8333	.01775	43.976	5.4128	.00458	43.673	.00341
Stddev	.00020	.00001	.0063	.0313	.00139	.012	.0266	.00031	.496	.00006
%RSD	57.283	1.0903	.45608	.81564	7.8593	.02750	.49105	6.6814	1.1349	1.8881
#1	.00021	.00070	1.3792	3.8112	.01873	43.984	5.4316	.00480	43.322	.00337
#2	.00049	.00071	1.3881	3.8554	.01676	43.967	5.3940	.00437	44.023	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.54158	.00044	51.408	-.00154	.00237	17.748	37.980	-.00128	.48900	-.00011
Stddev	.00448	.00063	.031	.00113	.00326	.050	.106	.00118	.00197	.00033
%RSD	.82792	144.23	.06089	73.381	137.42	.27976	.27976	92.577	.40213	292.22
#1	.54476	.00089	51.386	-.00074	.00007	17.713	37.905	-.00044	.48761	-.00034
#2	.53841	-.00001	51.430	-.00234	.00468	17.783	38.055	-.00212	.49039	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00142	.00120	-.02437	.00056	.00378	.00068
Stddev	.00025	.00066	.01093	.00055	.00005	.00126
%RSD	17.372	55.257	44.869	98.380	1.4378	184.64
#1	.00125	.00073	-.03210	.00017	.00381	-.00021
#2	.00160	.00167	-.01664	.00095	.00374	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3264.1	50116.	5742.1
Stddev	3.6	123.	16.3
%RSD	.11018	.24551	.28348
#1	3266.6	50029.	5730.6
#2	3261.6	50203.	5753.6

Sample Name: 280-28240-H-6-B Acquired: 5/2/2012 9:03:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00071	.25157	.01015	.22289	.61843	.00004	-.00625	237.16	.00120	.01147
Stddev	.00029	.00154	.00165	.00052	.00192	.00006	.00134	1.67	.00016	.00013
%RSD	40.764	.61081	16.258	.23486	.30986	136.33	21.412	.70344	13.435	1.1249
#1	.00051	.25049	.00899	.22326	.61979	.00000	-.00720	238.34	.00109	.01138
#2	.00092	.25266	.01132	.22252	.61708	.00008	-.00531	235.98	.00132	.01156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.00213	.35902	9.9482	.03619	61.268	W 14.085	.00513	112.21	.02179
Stddev	.00011	.00008	.00435	.0008	.00094	.080	.025	.00002	.03	.00005
%RSD	13.177	3.8601	1.2106	.00806	2.6103	.13047	.17675	.31981	.02249	.20785
#1	.00076	.00207	.36209	9.9487	.03686	61.325	14.067	.00514	112.23	.02176
#2	.00091	.00219	.35594	9.9476	.03552	61.212	14.103	.00512	112.19	.02182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3666	.00135	74.282	-.00172	.00778	17.296	37.014	-.00057	1.2200	-.00031
Stddev	.0035	.00032	.014	.00035	.00041	.051	.109	.00020	.0028	.00166
%RSD	.25584	23.799	.01921	20.356	5.3116	.29460	.29460	35.260	.23039	531.02
#1	1.3690	.00158	74.292	-.00197	.00749	17.332	37.091	-.00043	1.2220	.00086
#2	1.3641	.00112	74.272	-.00147	.00807	17.260	36.937	-.00072	1.2180	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00805	.00004	W -.09522	.00065	.01348	.00055
Stddev	.00019	.00089	.02268	.00062	.00059	.00018
%RSD	2.3801	2036.7	23.814	96.429	4.3577	33.122
#1	.00818	-.00058	-.07919	.00021	.01306	.00067
#2	.00791	.00067	-.11126	.00109	.01390	.00042
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3171.1	48710.	5699.3
Stddev	.6	218.	27.3
%RSD	.01761	.44833	.47927
#1	3171.5	48556.	5680.0
#2	3170.7	48864.	5718.6

Sample Name: 280-28240-H-7-B Acquired: 5/2/2012 9:05:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	.29819	.02582	.15583	.30281	.00009	-.00711	138.52	.00056	.00157
Stddev	.00002	.00101	.00259	.00055	.00036	.00001	.00155	.08	.00025	.00011
%RSD	3.3133	.33715	10.025	.35244	.11933	13.839	21.766	.05451	43.875	6.8087
#1	.00057	.29890	.02399	.15544	.30307	.00008	-.00602	138.57	.00073	.00149
#2	.00055	.29748	.02765	.15622	.30256	.00009	-.00821	138.46	.00039	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	.00136	.32696	8.8173	.03993	38.199	3.8086	.00607	55.716	.00222
Stddev	.00011	.00027	.00355	.0094	.00013	.093	.0152	.00025	.556	.00001
%RSD	15.305	19.512	1.0844	.10631	.33667	.24225	.39772	4.1963	.99862	.47888
#1	.00066	.00117	.32946	8.8239	.04003	38.264	3.8193	.00589	56.109	.00221
#2	.00082	.00155	.32445	8.8106	.03984	38.133	3.7979	.00625	55.322	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1083	.00033	12.302	-.00240	.00255	20.788	44.486	-.00059	.74275	-.00070
Stddev	.0071	.00113	.022	.00049	.00336	.085	.181	.00006	.00052	.00193
%RSD	.63855	339.32	.18062	20.471	131.50	.40711	.40711	9.5396	.07019	277.91
#1	1.1133	.00113	12.317	-.00205	.00492	20.848	44.614	-.00063	.74312	.00067
#2	1.1033	-.00047	12.286	-.00275	.00018	20.728	44.358	-.00055	.74238	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01000	-.00005	-.00326	.00195	.00721	.00017
Stddev	.00019	.00244	.00679	.00001	.00068	.00016
%RSD	1.9402	5420.8	208.48	.72383	9.4790	96.142
#1	.00987	.00168	.00154	.00194	.00673	.00029
#2	.01014	-.00177	-.00806	.00196	.00769	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3261.1	50411.	5654.8
Stddev	9.8	3.	13.0
%RSD	.30087	.00631	.22918
#1	3268.1	50413.	5645.6
#2	3254.2	50409.	5664.0

Sample Name: 280-28240-H-8-B Acquired: 5/2/2012 9:08:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.01033	.00474	.17095	.80949	.00005	-.00595	194.76	.00062	-.00027
Stddev	.00048	.00038	.00401	.00126	.00226	.00001	.00256	.60	.00000	.00019
%RSD	322.62	3.6625	84.469	.73892	.27871	17.898	43.071	.30972	.18527	73.009
#1	-.00019	.01060	.00758	.17005	.80790	.00004	-.00776	194.33	.00062	-.00040
#2	.00049	.01007	.00191	.17184	.81109	.00006	-.00414	195.18	.00062	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00122	7.5665	9.9314	.02685	50.351	1.6999	.00047	45.172	-.00087
Stddev	.00006	.00035	.0318	.0509	.00024	.022	.0011	.00018	.247	.00027
%RSD	31.783	28.384	.42062	.51235	.88359	.04298	.06693	38.513	.54748	31.282
#1	.00014	.00147	7.5440	9.8954	.02702	50.335	1.7007	.00060	44.997	-.00106
#2	.00022	.00098	7.5890	9.9674	.02669	50.366	1.6991	.00034	45.347	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6738	.00001	23.878	-.00103	.00719	24.166	51.716	-.00007	.86730	.00110
Stddev	.0036	.00006	.063	.00053	.00488	.012	.026	.00034	.00284	.00036
%RSD	.21367	926.26	.26257	50.970	67.881	.05048	.05048	495.09	.32716	33.232
#1	1.6763	.00005	23.834	-.00141	.01064	24.175	51.734	-.00031	.86529	.00136
#2	1.6712	-.00004	23.923	-.00066	.00374	24.158	51.697	.00017	.86931	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00374	-.02728	.00056	.00463	-.00035
Stddev	.00025	.00053	.03893	.00004	.00020	.00119
%RSD	49.921	14.206	142.69	7.4539	4.3902	345.02
#1	.00032	.00411	.00024	.00059	.00477	.00050
#2	.00067	.00336	-.05481	.00053	.00449	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3229.4	49759.	5643.1
Stddev	.1	68.	5.1
%RSD	.00339	.13724	.08965
#1	3229.4	49808.	5646.6
#2	3229.3	49711.	5639.5

Sample Name: 280-28240-H-9-B Acquired: 5/2/2012 9:10:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00070	.73014	.00452	.08339	.26682	.00005	-.00482	227.51	.00090	.00288
Stddev	.00027	.00122	.00111	.00003	.00002	.00005	.00013	2.30	.00001	.00010
%RSD	37.727	.16727	24.602	.03639	.00678	92.685	2.7387	1.0128	1.3699	3.4779
#1	.00089	.72928	.00531	.08337	.26681	.00002	-.00473	229.14	.00089	.00295
#2	.00052	.73100	.00374	.08341	.26683	.00009	-.00492	225.88	.00091	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00159	.00183	1.6208	8.8002	.03699	75.612	4.5995	.00373	75.429	.00242
Stddev	.00014	.00059	.0010	.0159	.00137	.214	.0056	.00028	.068	.00071
%RSD	8.9961	32.493	.06345	.18028	3.7015	.28343	.12076	7.3897	.09068	29.551
#1	.00149	.00224	1.6201	8.7890	.03602	75.764	4.5956	.00354	75.381	.00191
#2	.00170	.00141	1.6216	8.8114	.03796	75.461	4.6035	.00393	75.478	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.63498	.00283	73.792	-.00181	.00139	20.412	43.682	.00060	.59729	-.00010
Stddev	.00190	.00151	.126	.00013	.00150	.050	.107	.00035	.00055	.00047
%RSD	.29862	53.458	.17141	7.2434	107.90	.24385	.24385	58.651	.09236	447.30
#1	.63363	.00176	73.881	-.00191	.00246	20.448	43.758	.00035	.59690	.00023
#2	.63632	.00390	73.702	-.00172	.00033	20.377	43.607	.00085	.59768	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01899	.00164	-.02304	.00270	.00788	.00054
Stddev	.00059	.00183	.00706	.00002	.00012	.00215
%RSD	3.0860	112.07	30.639	.68774	1.5713	397.47
#1	.01858	.00034	-.01805	.00268	.00797	.00207
#2	.01941	.00293	-.02803	.00271	.00779	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3178.6	48998.	5674.3
Stddev	7.9	57.	10.5
%RSD	.24802	.11731	.18586
#1	3173.0	48958.	5666.8
#2	3184.1	49039.	5681.8

Sample Name: 280-28240-H-10-B Acquired: 5/2/2012 9:12:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	1.6583	-.00088	.08087	.12776	.00010	-.00435	109.69	.00108	.00714
Stddev	.00001	.0045	.00300	.00035	.00077	.00002	.00075	.25	.00006	.00018
%RSD	1.0721	.27018	341.44	.43165	.60097	24.188	17.356	.23163	5.8807	2.4565
#1	.00054	1.6552	.00124	.08112	.12830	.00009	-.00381	109.87	.00104	.00727
#2	.00053	1.6615	-.00300	.08063	.12722	.00012	-.00488	109.51	.00113	.00702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00244	.00299	2.0995	4.5052	.02501	40.966	3.9078	.00162	55.560	.00798
Stddev	.00013	.00007	.0076	.0332	.00286	.106	.0087	.00002	.115	.00004
%RSD	5.5366	2.5075	.36205	.73728	11.445	.25822	.22186	1.2911	.20781	.44064
#1	.00253	.00304	2.1049	4.5287	.02703	41.041	3.9140	.00161	55.478	.00795
#2	.00234	.00293	2.0941	4.4817	.02298	40.891	3.9017	.00164	55.641	.00800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27496	.00212	67.056	-.00253	.00199	20.826	44.568	-.00142	.22489	.00198
Stddev	.00453	.00113	.160	.00224	.00435	.024	.052	.00089	.00073	.00100
%RSD	1.6480	53.405	.23917	88.237	218.55	.11620	.11620	62.326	.32245	50.455
#1	.27816	.00292	67.170	-.00412	.00507	20.843	44.605	-.00079	.22540	.00127
#2	.27175	.00132	66.943	-.00095	-.00109	20.809	44.532	-.00205	.22437	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06057	.00022	-.01591	.00629	.01192	.00237
Stddev	.00028	.00275	.00308	.00032	.00080	.00001
%RSD	.46974	1238.9	19.337	5.0253	6.7420	.30585
#1	.06037	-.00172	-.01373	.00651	.01135	.00236
#2	.06077	.00216	-.01808	.00607	.01249	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3293.6	50636.	5759.4
Stddev	3.4	42.	25.8
%RSD	.10265	.08213	.44753
#1	3291.2	50665.	5741.2
#2	3296.0	50606.	5777.6

Sample Name: 280-28240-H-11-B Acquired: 5/2/2012 9:15:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	1.7383	.00354	.08558	.36429	.00018	-.00589	109.71	.00070	.00048
Stddev	.00007	.0066	.00157	.00091	.00045	.00003	.00154	.16	.00010	.00005
%RSD	17.042	.38182	44.537	1.0598	.12382	15.841	26.151	.14580	13.682	9.8117
#1	.00049	1.7430	.00465	.08622	.36397	.00016	-.00480	109.60	.00077	.00052
#2	.00038	1.7336	.00242	.08494	.36461	.00021	-.00698	109.83	.00064	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00293	.00322	10.134	7.6665	.02174	28.972	1.6984	.00160	25.666	.00119
Stddev	.00025	.00025	.007	.0316	.00039	.014	.0020	.00051	.059	.00008
%RSD	8.6538	7.8790	.07052	.41209	1.7948	.04988	.11617	31.683	.23009	6.8331
#1	.00311	.00340	10.129	7.6442	.02202	28.962	1.6998	.00124	25.625	.00113
#2	.00275	.00304	10.139	7.6889	.02146	28.982	1.6970	.00196	25.708	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0227	.00188	.77738	-.00035	.00133	26.491	56.691	.00088	.58882	.00099
Stddev	.0018	.00007	.00653	.00190	.00107	.045	.097	.00012	.00222	.00084
%RSD	.17251	3.9267	.83971	547.58	80.371	.17142	.17142	13.746	.37681	84.527
#1	1.0240	.00193	.78200	-.00169	.00057	26.523	56.760	.00097	.58725	.00040
#2	1.0215	.00183	.77276	.00100	.00208	26.459	56.622	.00080	.59039	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05030	.00267	.01044	.00481	.01376	.00353
Stddev	.00185	.00038	.00045	.00054	.00046	.00021
%RSD	3.6690	14.286	4.3271	11.319	3.3580	5.9087
#1	.05161	.00294	.01012	.00519	.01343	.00368
#2	.04900	.00240	.01076	.00442	.01409	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3336.0	51201.	5778.4
Stddev	8.3	125.	18.8
%RSD	.25017	.24493	.32518
#1	3330.0	51290.	5765.1
#2	3341.9	51112.	5791.7

Sample Name: CCVH-1390999 Acquired: 5/2/2012 9:17:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00134	48.584	-.00181	.00207	.00046	.00007	1.0439	.01237	.00003	.00025	.00033	-.00294
Stddev	.00010	.006	.00105	.00021	.00003	.00005	.0043	.00114	.00007	.00002	.00005	.00010
%RSD	7.3962	.01268	58.052	10.155	6.5620	81.342	.40913	9.1779	280.44	7.9121	16.072	3.3431
#1	-.00127	48.588	-.00106	.00222	.00049	.00011	1.0469	.01157	.00008	.00023	.00030	-.00301
#2	-.00141	48.580	-.00255	.00192	.00044	.00003	1.0409	.01317	-.00002	.00026	.00037	-.00287
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.464	.04640	.00004	-.01924	.00023	.00059	253.38	.00110	.00350	-.00006	5.1499	-.00387
Stddev	.021	.00598	.00054	.00273	.00001	.00015	.45	.00012	.00140	.00172	.0230	.00115
%RSD	.04311	12.888	1547.5	14.173	6.4705	25.491	.17851	11.269	39.900	3108.6	.44747	29.842
#1	48.479	.04217	.00042	-.02116	.00024	.00070	253.06	.00101	.00251	.00116	5.1336	-.00469
#2	48.450	.05063	-.00035	-.01731	.00022	.00049	253.70	.00119	.00449	-.00127	5.1662	-.00305
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00702	.01109	.02374	.00262	.00036	5.1696	.00731	.00110	W 10.786	-.00354	.00168	-.03985
Stddev	.00045	.00083	.00177	.00036	.00004	.0241	.00025	.00044	.073	.00039	.00001	.00518
%RSD	6.4361	7.4487	7.4487	13.647	10.121	.46694	3.4291	40.005	.67545	11.119	.54446	12.997
#1	.00670	.01168	.02499	.00236	.00034	5.1867	.00748	.00079	10.838	-.00326	.00167	-.04351
#2	.00734	.01051	.02249	.00287	.00039	5.1526	.00713	.00141	10.735	-.00381	.00168	-.03618
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3317.6	50490.	5676.0
Stddev	4.0	159.	6.2
%RSD	.11982	.31458	.10978
#1	3320.4	50378.	5671.6
#2	3314.8	50603.	5680.4

Sample Name: CCV-1390955 Acquired: 5/2/2012 9:20:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51892	.50878	1.0159	.50469	.51215	.47751	-.00230	4.7956	.51294	.51055	.50926	.53429	2.4483
Stddev	.00148	.00254	.0073	.00207	.00036	.00153	.00009	.0297	.00002	.00072	.00082	.00039	.0010
%RSD	.28521	.50016	.71895	.40924	.06949	.32093	3.9667	.61976	.00358	.14198	.16109	.07234	.04095
#1	.51787	.51058	1.0107	.50323	.51190	.47642	-.00224	4.7746	.51292	.51004	.50868	.53402	2.4476
#2	.51997	.50698	1.0211	.50615	.51241	.47859	-.00237	4.8166	.51295	.51106	.50984	.53457	2.4490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.729	.99645	19.990	.51293	.50812	5.0110	.50618	.99482	1.0400	.01029	1.0189	1.0354	4.7425
Stddev	.218	.00001	.045	.00131	.00064	.0027	.00079	.00088	.0006	.00205	.0044	.0014	.0049
%RSD	.42937	.00107	.22638	.25486	.12622	.05380	.15547	.08829	.05935	19.932	.42877	.13070	.10355
#1	50.575	.99646	19.958	.51201	.50767	5.0129	.50563	.99420	1.0396	.00884	1.0158	1.0345	4.7390
#2	50.883	.99644	20.022	.51385	.50857	5.0091	.50674	.99544	1.0404	.01174	1.0219	1.0364	4.7460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.149	1.0103	.50664	.00048	.50136	1.0427	.01690	.50876	.50219	.50473
Stddev	.011	.0039	.00173	.00007	.00129	.0032	.00503	.00075	.00204	.00244
%RSD	.10355	.39033	.34098	14.984	.25698	.30764	29.743	.14664	.40674	.48326
#1	10.142	1.0075	.50542	.00053	.50045	1.0404	.02045	.50823	.50075	.50301
#2	10.156	1.0131	.50786	.00042	.50227	1.0450	.01335	.50928	.50364	.50646
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3379.8	51849.	5743.9
Stddev	4.4	41.	34.7
%RSD	.12936	.07954	.60405
#1	3382.9	51878.	5768.4
#2	3376.7	51820.	5719.3

Sample Name: CCB Acquired: 5/2/2012 9:22:14 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	-.00045	-.00352	.00048	.00015	.00010	-.00034	-.00140	.00005	-.00022	-.00003	-.00034
Stddev	.00012	.00011	.00143	.00014	.00003	.00003	.00120	.00230	.00010	.00002	.00010	.00001
%RSD	53.419	25.543	40.545	29.664	16.950	31.727	348.91	163.69	186.48	7.2238	330.35	4.2168
#1	-.00014	-.00037	-.00251	.00038	.00017	.00012	-.00119	.00022	-.00002	-.00023	-.00010	-.00035
#2	-.00032	-.00053	-.00453	.00058	.00014	.00008	.00050	-.00303	.00012	-.00021	.00004	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00133	.05544	-.00030	.00325	.00008	.00061	W .10400	-.00046	.00075	-.00094	.00571	-.00025
Stddev	.00040	.04032	.00019	.00242	.00002	.00006	.01366	.00007	.00066	.00169	.00076	.00104
%RSD	30.289	72.737	63.420	74.523	26.704	9.6876	13.139	15.638	87.228	179.26	13.243	424.09
#1	.00105	.02692	-.00043	.00154	.00006	.00066	.09433	-.00041	.00122	.00025	.00518	-.00098
#2	.00162	.08395	-.00016	.00497	.00009	.00057	.11366	-.00051	.00029	-.00214	.00625	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.01671	-.03576	.00141	.00007	.00180	.00031	-.00049	.00970	-.00059	.00203	-.00030
Stddev	.00420	.00832	.01781	.00091	.00002	.00055	.00006	.00042	.02528	.00040	.00012	.00104
%RSD	1340.4	49.794	49.794	64.640	34.777	30.289	19.218	85.213	260.74	67.540	6.0786	342.35
#1	-.00266	-.01083	-.02317	.00205	.00009	.00142	.00035	-.00020	.02757	-.00031	.00212	.00043
#2	.00328	-.02259	-.04835	.00076	.00005	.00219	.00027	-.00079	-.00818	-.00087	.00194	-.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3403.0	52569.	5655.6
Stddev	1.6	98.	12.1
%RSD	.04656	.18657	.21478
#1	3404.1	52500.	5664.2
#2	3401.8	52638.	5647.0

Sample Name: CCVL1390952 Acquired: 5/2/2012 9:24:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01106	.10802	.01368	.10249	.01072	.00111	.12389	.19691	.00535	.01072	.01056	.01645	.10024
Stddev	.00018	.00018	.00446	.00039	.00004	.00004	.00358	.00322	.00014	.00000	.00024	.00019	.00201
%RSD	1.6560	.16244	32.622	.37729	.35279	3.1543	2.8871	1.6372	2.5502	.04432	2.2325	1.1441	2.0072
#1	.01093	.10790	.01052	.10222	.01069	.00109	.12642	.19463	.00525	.01072	.01039	.01632	.10166
#2	.01119	.10814	.01683	.10276	.01075	.00114	.12136	.19919	.00545	.01071	.01073	.01659	.09881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1861	.01171	.22041	.01100	.02057	1.1154	.04251	3.0098	.00900	.00563	F .00577	.01744	.47537
Stddev	.0573	.00023	.00316	.00006	.00025	.0219	.00009	.0050	.00064	.00001	.00016	.00044	.02167
%RSD	1.7973	1.9808	1.4331	.57002	1.2132	1.9658	.21600	.16490	7.0598	.18228	2.8106	2.5112	4.5584
#1	3.2266	.01154	.22264	.01104	.02074	1.1309	.04257	3.0063	.00945	.00564	.00566	.01775	.46004
#2	3.1456	.01187	.21817	.01096	.02039	1.0999	.04244	3.0133	.00855	.00563	.00589	.01713	.49069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0173	.10667	.01059	.01621	.01053	.01734	F .09481	.00981	.02346	.01615
Stddev	.0464	.00105	.00002	.00061	.00014	.00120	.01256	.00033	.00060	.00101
%RSD	4.5584	.98515	.15759	3.7511	1.3071	6.9359	13.251	3.3865	2.5572	6.2737
#1	.98449	.10592	.01060	.01578	.01044	.01649	.10369	.00957	.02304	.01544
#2	1.0501	.10741	.01058	.01664	.01063	.01819	.08592	.01004	.02389	.01687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3475.7	53476.	5798.2
Stddev	10.0	201.	21.3
%RSD	.28668	.37519	.36725
#1	3482.7	53334.	5813.2
#2	3468.6	53617.	5783.1

Sample Name: 280-28240-H-12-B Acquired: 5/2/2012 9:27:04 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.14859	.02825	.32936	.21866	.00008	-.00641	103.03	.00064	-.00001
Stddev	.00018	.00046	.00187	.00051	.00011	.00006	.00403	.32	.00003	.00014
%RSD	273.40	.31243	6.6093	.15397	.04970	74.540	62.768	.30743	4.4687	1609.8
#1	-.00006	.14892	.02693	.32900	.21858	.00013	-.00357	102.81	.00066	-.00011
#2	.00019	.14826	.02957	.32972	.21873	.00004	-.00926	103.25	.00062	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00075	5.7518	7.9533	.02105	35.850	.88321	.00078	29.839	-.00018
Stddev	.00017	.00011	.0167	.0072	.00024	.017	.00058	.00039	.385	.00018
%RSD	62.868	14.529	.28955	.09086	1.1520	.04747	.06536	49.808	1.2909	97.168
#1	.00040	.00067	5.7400	7.9482	.02088	35.838	.88362	.00050	30.111	-.00006
#2	.00015	.00083	5.7635	7.9584	.02122	35.862	.88280	.00105	29.566	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5238	.00109	.19853	-.00070	.00489	28.998	62.056	.00027	.74010	-.00059
Stddev	.0064	.00207	.00485	.00124	.00402	.033	.070	.00048	.00105	.00224
%RSD	.41846	189.41	2.4445	175.77	82.230	.11277	.11277	176.22	.14122	380.65
#1	1.5193	.00255	.19510	-.00158	.00773	28.975	62.006	.00061	.73936	-.00218
#2	1.5283	-.00037	.20197	.00017	.00205	29.021	62.105	-.00007	.74084	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00457	.00169	.01375	.00089	.00474	.00185
Stddev	.00017	.00076	.00350	.00029	.00023	.00115
%RSD	3.7566	44.933	25.421	32.196	4.7830	62.042
#1	.00445	.00223	.01128	.00109	.00458	.00266
#2	.00470	.00115	.01622	.00069	.00490	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3302.9	50665.	5710.4
Stddev	4.8	132.	13.7
%RSD	.14424	.26076	.24032
#1	3306.2	50759.	5700.7
#2	3299.5	50572.	5720.1

Sample Name: 280-28240-H-13-B Acquired: 5/2/2012 9:29:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00130	-.00244	.00011	.00045	.00006	-.00066	.03495	.00019	-.00017
Stddev	.00039	.00032	.00365	.00041	.00006	.00002	.00044	.00256	.00012	.00014
%RSD	94.918	24.606	149.17	386.90	12.506	24.675	67.259	7.3376	66.783	79.888
#1	.00014	.00107	.00013	.00040	.00049	.00005	-.00035	.03314	.00010	-.00027
#2	.00069	.00153	-.00502	-.00018	.00041	.00008	-.00097	.03677	.00027	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00014	.00447	.02156	.00192	.00384	.00020	-.00020	.15805	-.00036
Stddev	.00002	.00000	.00160	.02335	.00208	.00002	.00003	.00011	.00172	.00025
%RSD	7.0202	2.3401	35.783	108.28	108.50	.57682	13.389	57.055	1.0910	67.553
#1	.00023	-.00014	.00334	.00505	.00045	.00383	.00018	-.00028	.15927	-.00019
#2	.00021	-.00015	.00560	.03807	.00339	.00386	.00022	-.00012	.15683	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00102	-.00017	.01285	-.00238	.00077	.00680	.01456	.00037	.00019	.00064
Stddev	.00056	.00038	.00373	.00080	.00267	.00939	.02010	.00030	.00005	.00020
%RSD	54.639	221.95	29.004	33.767	345.44	138.02	138.02	80.288	24.579	30.795
#1	.00063	-.00044	.01548	-.00181	.00266	.01345	.02877	.00058	.00015	.00077
#2	.00142	.00010	.01021	-.00295	-.00112	.00016	.00035	.00016	.00022	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.00070	.01492	-.00046	.00323	.00042
Stddev	.00000	.00178	.01163	.00029	.00076	.00033
%RSD	.14454	253.94	77.918	62.361	23.431	78.988
#1	.00089	.00196	.02314	-.00026	.00269	.00065
#2	.00088	-.00056	.00670	-.00067	.00376	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3455.3	53755.	5758.6
Stddev	1.7	82.	23.7
%RSD	.05051	.15181	.41111
#1	3456.6	53813.	5741.8
#2	3454.1	53697.	5775.3

Sample Name: 280-28240-H-14-B Acquired: 5/2/2012 9:31:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.59367	-.00305	.06577	.19416	.00006	-.00301	136.61	.00087	.00048
Stddev	.00028	.00086	.00046	.00046	.00050	.00004	.00039	.36	.00015	.00001
%RSD	5505.3	.14534	15.221	.69867	.25498	60.366	12.950	.26077	16.870	1.0555
#1	.00019	.59306	-.00338	.06545	.19451	.00003	-.00328	136.86	.00097	.00048
#2	-.00020	.59428	-.00272	.06610	.19381	.00009	-.00273	136.36	.00076	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.00283	.47494	1.4427	.02324	44.234	.49752	.00306	101.54	.00479
Stddev	.00016	.00048	.00590	.0048	.00145	.144	.00139	.00004	.02	.00044
%RSD	13.844	16.958	1.2428	.33473	6.2185	.32445	.27932	1.2855	.02278	9.2064
#1	.00105	.00317	.47911	1.4392	.02426	44.133	.49653	.00308	101.56	.00510
#2	.00128	.00249	.47076	1.4461	.02222	44.336	.49850	.00303	101.53	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20481	-.00157	72.632	-.00229	.00935	11.648	24.927	.03515	.49338	.00214
Stddev	.00219	.00012	.117	.00153	.00399	.036	.078	.00045	.00190	.00010
%RSD	1.0695	7.6030	.16088	67.047	42.614	.31120	.31120	1.2802	.38437	4.6478
#1	.20326	-.00149	72.549	-.00337	.00654	11.674	24.982	.03483	.49472	.00207
#2	.20636	-.00166	72.714	-.00120	.01217	11.623	24.872	.03547	.49204	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01593	.00169	.00623	.00652	.00670	.00153
Stddev	.00094	.00008	.00608	.00016	.00011	.00014
%RSD	5.8858	4.4864	97.510	2.4285	1.5897	9.3550
#1	.01527	.00174	.00193	.00664	.00663	.00164
#2	.01659	.00164	.01053	.00641	.00678	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3223.9	49505.	5670.5
Stddev	.2	162.	9.0
%RSD	.00707	.32706	.15957
#1	3224.1	49619.	5664.1
#2	3223.8	49390.	5676.9

Sample Name: 280-28240-H-15-B Acquired: 5/2/2012 9:34:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.11734	.00051	.07478	.19865	.00001	-.00581	89.484	.00099	.00029
Stddev	.00026	.00094	.00268	.00059	.00014	.00002	.00424	.203	.00002	.00017
%RSD	105.41	.80162	521.52	.78610	.06945	141.73	72.912	.22660	2.2122	58.701
#1	.00042	.11667	.00241	.07519	.19875	.00003	-.00881	89.628	.00100	.00017
#2	.00006	.11800	-.00138	.07436	.19855	.00000	-.00282	89.341	.00097	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00093	.16586	1.2252	.02368	27.603	.62132	.00090	35.009	.00445
Stddev	.00022	.00027	.00102	.0168	.00093	.058	.00152	.00021	.315	.00005
%RSD	104.23	28.552	.61545	1.3734	3.9473	.21173	.24479	22.953	.89865	1.2134
#1	.00005	.00112	.16514	1.2371	.02434	27.644	.62240	.00104	34.787	.00441
#2	.00036	.00074	.16658	1.2133	.02302	27.562	.62025	.00075	35.232	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10489	.00033	16.397	-.00199	-.00171	14.697	31.452	-.00005	.28301	-.00043
Stddev	.00404	.00082	.001	.00042	.00343	.011	.023	.00100	.00059	.00025
%RSD	3.8540	249.05	.00625	21.219	200.75	.07343	.07343	1937.7	.20804	58.797
#1	.10775	-.00025	16.398	-.00169	.00072	14.705	31.468	.00066	.28259	-.00025
#2	.10203	.00091	16.396	-.00229	-.00414	14.690	31.436	-.00076	.28343	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00346	.00106	.01236	.00407	.00554	.00048
Stddev	.00004	.00154	.02293	.00034	.00005	.00096
%RSD	1.1153	145.64	185.56	8.3193	.90500	200.86
#1	.00343	-.00003	-.00386	.00383	.00558	.00115
#2	.00348	.00215	.02857	.00431	.00550	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3325.1	51174.	5801.8
Stddev	3.3	19.	2.4
%RSD	.09854	.03623	.04155
#1	3327.4	51160.	5803.5
#2	3322.8	51187.	5800.1

Sample Name: 280-28240-G-16-D Acquired: 5/2/2012 9:36:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.08052	.00906	.22045	.34545	.00004	-.00268	169.04	.00086	.00012
Stddev	.00046	.00028	.00396	.00067	.00023	.00005	.00288	.81	.00017	.00020
%RSD	148.88	.34959	43.690	.30245	.06612	124.10	107.29	.48103	19.449	159.13
#1	.00064	.08071	.00626	.21998	.34561	.00008	-.00472	169.61	.00097	.00026
#2	-.00002	.08032	.01185	.22092	.34528	.00001	-.00065	168.46	.00074	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.00075	7.9395	10.587	.03418	54.568	2.8178	.00273	68.724	-.00047
Stddev	.00018	.00007	.0120	.089	.00161	.361	.0082	.00010	.375	.00009
%RSD	36.561	9.5688	.15062	.84102	4.7172	.66212	.29231	3.7472	.54625	19.523
#1	.00061	.00070	7.9480	10.650	.03304	54.312	2.8120	.00266	68.990	-.00053
#2	.00036	.00080	7.9311	10.524	.03532	54.823	2.8236	.00280	68.459	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0545	-.00002	20.676	-.00279	.00067	25.443	54.448	-.00032	1.0842	-.00039
Stddev	.0040	.00113	.119	.00133	.00098	.053	.114	.00059	.0006	.00119
%RSD	.19459	6706.7	.57540	47.662	147.20	.20998	.20998	181.63	.05227	307.89
#1	2.0573	.00078	20.761	-.00372	.00136	25.481	54.529	-.00074	1.0846	.00046
#2	2.0516	-.00081	20.592	-.00185	-.00003	25.405	54.367	.00009	1.0838	-.00123
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00268	.00062	-.00432	.00091	.00552	.00024
Stddev	.00028	.00108	.03560	.00060	.00016	.00017
%RSD	10.298	174.66	823.45	66.350	2.8595	69.946
#1	.00287	-.00015	-.02950	.00048	.00540	.00012
#2	.00248	.00139	.02085	.00133	.00563	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3246.9	49926.	5742.8
Stddev	1.5	183.	54.5
%RSD	.04605	.36712	.94822
#1	3245.8	50056.	5704.3
#2	3247.9	49797.	5781.3

Sample Name: 280-28240-H-17-B Acquired: 5/2/2012 9:38:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.20966	.05368	.54420	.48212	.00014	-.00786	155.38	.00069	-.00037
Stddev	.00016	.00003	.00347	.00024	.00116	.00002	.00138	.36	.00010	.00021
%RSD	80.264	.01299	6.4593	.04376	.24036	16.399	17.507	.22912	13.881	56.694
#1	.00031	.20964	.05613	.54437	.48130	.00016	-.00884	155.13	.00076	-.00052
#2	.00009	.20968	.05122	.54403	.48294	.00012	-.00689	155.63	.00063	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	.00111	6.7773	10.515	.02391	52.135	1.1707	.00094	75.521	-.00040
Stddev	.00026	.00019	.0175	.014	.00005	.016	.0001	.00044	.466	.00029
%RSD	45.674	17.029	.25773	.13523	.20031	.03110	.01300	46.654	.61649	73.667
#1	.00077	.00124	6.7649	10.505	.02388	52.124	1.1706	.00063	75.191	-.00061
#2	.00039	.00097	6.7896	10.525	.02395	52.147	1.1708	.00125	75.850	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.4089	.00064	8.9742	-.00168	.00043	28.770	61.567	-.00060	1.1507	.00070
Stddev	.0066	.00027	.0152	.00225	.00056	.039	.084	.00064	.0051	.00049
%RSD	.27559	42.151	.16940	134.24	129.12	.13699	.13699	106.47	.44141	69.834
#1	2.4136	.00045	8.9850	-.00327	.00004	28.742	61.507	-.00015	1.1472	.00035
#2	2.4042	.00083	8.9635	-.00009	.00083	28.798	61.627	-.00105	1.1543	.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00637	.00068	-.01164	.00083	.00377	.00069
Stddev	.00015	.00176	.03300	.00041	.00032	.00056
%RSD	2.2819	259.54	283.59	48.545	8.5959	81.219
#1	.00627	-.00057	.01170	.00112	.00354	.00030
#2	.00647	.00192	-.03497	.00055	.00400	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3237.8	50074.	5739.3
Stddev	3.3	11.	18.1
%RSD	.10304	.02113	.31513
#1	3240.2	50082.	5726.6
#2	3235.5	50067.	5752.1

Sample Name: 280-28240-H-18-B Acquired: 5/2/2012 9:41:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.01632	.00819	.33672	.58833	.00009	-.00700	210.61	.00100	-.00035
Stddev	.00009	.00026	.00136	.00210	.00160	.00009	.00222	3.01	.00013	.00010
%RSD	25.075	1.6070	16.578	.62362	.27272	98.493	31.776	1.4293	13.288	27.257
#1	.00028	.01651	.00914	.33524	.58719	.00015	-.00857	208.49	.00109	-.00028
#2	.00040	.01614	.00723	.33821	.58946	.00003	-.00543	212.74	.00090	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00070	8.6389	13.618	.02318	66.206	.68073	.00109	75.823	-.00093
Stddev	.00013	.00021	.0105	.086	.00184	.143	.00219	.00060	.206	.00003
%RSD	52.442	29.283	.12160	.63355	7.9179	.21558	.32100	54.863	.27193	3.6272
#1	.00016	.00056	8.6315	13.557	.02447	66.105	.67919	.00067	75.969	-.00091
#2	.00034	.00085	8.6464	13.679	.02188	66.307	.68228	.00152	75.677	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.3005	-.00061	28.504	-.00206	.00303	28.652	61.316	.00049	1.5265	.00038
Stddev	.0126	.00018	.061	.00078	.00141	.141	.302	.00069	.0035	.00053
%RSD	.38169	29.212	.21474	37.767	46.355	.49282	.49282	139.91	.23001	137.69
#1	3.2916	-.00048	28.460	-.00151	.00204	28.552	61.102	.00001	1.5240	.00076
#2	3.3094	-.00073	28.547	-.00262	.00403	28.752	61.529	.00098	1.5290	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00139	.00211	.02822	.00032	.00338	.00109
Stddev	.00054	.00380	.00460	.00007	.00008	.00027
%RSD	38.988	179.88	16.288	22.634	2.4123	24.821
#1	.00177	-.00057	.02497	.00037	.00344	.00090
#2	.00101	.00479	.03147	.00027	.00333	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3198.9	49556.	5660.8
Stddev	5.7	156.	18.9
%RSD	.17937	.31442	.33387
#1	3203.0	49667.	5674.1
#2	3194.9	49446.	5647.4

Sample Name: 280-28240-H-19-B Acquired: 5/2/2012 9:43:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.01448	.00703	.33167	.58154	.00008	-.00677	205.68	.00083	-.00030
Stddev	.00016	.00027	.00077	.00064	.00119	.00001	.00020	4.46	.00021	.00006
%RSD	510.67	1.8744	10.935	.19308	.20447	9.3406	2.9455	2.1687	25.362	20.442
#1	.00015	.01467	.00758	.33213	.58238	.00007	-.00663	202.52	.00068	-.00026
#2	-.00008	.01428	.00649	.33122	.58070	.00008	-.00691	208.83	.00097	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00081	8.5248	13.543	.02306	65.761	.67620	.00100	75.032	-.00076
Stddev	.00002	.00018	.0133	.030	.00010	.067	.00095	.00000	.370	.00018
%RSD	18.934	21.601	.15589	.22380	.41490	.10239	.14046	.46832	.49287	23.582
#1	.00013	.00093	8.5342	13.564	.02299	65.713	.67553	.00101	75.294	-.00063
#2	.00010	.00069	8.5154	13.522	.02313	65.809	.67688	.00100	74.771	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.2553	.00052	28.312	-.00318	.00387	28.284	60.527	-.00048	1.5142	.00053
Stddev	.0029	.00081	.041	.00032	.00596	.067	.144	.00055	.0039	.00051
%RSD	.08892	155.62	.14308	10.122	154.06	.23803	.23803	115.82	.25790	95.579
#1	3.2532	.00109	28.341	-.00341	-.00035	28.236	60.425	-.00087	1.5169	.00017
#2	3.2573	-.00005	28.284	-.00296	.00809	28.331	60.629	-.00009	1.5114	.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.00208	.00148	.00053	.00347	-.00096
Stddev	.00016	.00307	.01317	.00012	.00061	.00057
%RSD	18.469	147.44	889.27	21.679	17.560	59.700
#1	.00073	-.00009	-.00783	.00045	.00390	-.00137
#2	.00095	.00426	.01079	.00062	.00304	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3203.0	49420.	5691.4
Stddev	2.0	139.	14.7
%RSD	.06307	.28041	.25897
#1	3204.4	49518.	5701.8
#2	3201.6	49322.	5681.0

Sample Name: CCVH-1390999 Acquired: 5/2/2012 9:46:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00150	48.815	-.00133	.00235	.00046	.00001	1.0480	.01769	.00027	.00020	.00032	-.00288
Stddev	.00003	.039	.00071	.00038	.00026	.00003	.0023	.00185	.00021	.00000	.00008	.00012
%RSD	1.8660	.07984	53.443	16.261	57.039	246.12	.21620	10.470	78.007	1.9468	23.724	4.3087
#1	-.00152	48.787	-.00183	.00262	.00064	-.00001	1.0464	.01638	.00043	.00020	.00027	-.00280
#2	-.00148	48.842	-.00083	.00208	.00027	.00004	1.0496	.01900	.00012	.00021	.00038	-.00297
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.486	.07385	.00021	-.01851	.00015	.00058	254.57	.00081	.00300	.00026	5.1308	-.00244
Stddev	.205	.01461	.00088	.00030	.00004	.00011	.28	.00028	.00006	.00038	.0032	.00167
%RSD	.42201	19.784	411.11	1.6319	23.393	18.304	.11099	35.156	1.8380	147.24	.06289	68.593
#1	48.631	.08418	.00084	-.01872	.00018	.00051	254.77	.00101	.00296	-.00001	5.1285	-.00362
#2	48.341	.06352	-.00041	-.01829	.00013	.00066	254.37	.00061	.00304	.00053	5.1331	-.00125
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00714	.00032	.00068	.00214	.00051	5.1419	.00649	-.00040	W 10.779	-.00395	.00172	-.03702
Stddev	.00189	.00837	.01791	.00088	.00004	.0070	.00023	.00062	.030	.00034	.00018	.00196
%RSD	26.428	2620.0	2620.0	41.076	7.3393	.13701	3.5674	157.46	.28087	8.6830	10.227	5.2919
#1	.00580	-.00560	-.01198	.00276	.00049	5.1469	.00665	-.00084	10.800	-.00371	.00184	-.03564
#2	.00847	.00624	.01335	.00152	.00054	5.1369	.00633	.00004	10.757	-.00419	.00159	-.03841
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3302.2	50365.	5680.5
Stddev	2.2	180.	12.0
%RSD	.06614	.35703	.21161
#1	3300.7	50492.	5672.0
#2	3303.7	50238.	5689.0

Sample Name: CCV-1390955 Acquired: 5/2/2012 9:48:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51507	.50353	1.0064	.50072	.50937	.47743	-.00235	4.7772	.51088	.50770	.50669	.53061	2.4408
Stddev	.00275	.00253	.0046	.00106	.00257	.00350	.00043	.0570	.00128	.00219	.00132	.00152	.0105
%RSD	.53470	.50335	.45968	.21095	.50401	.73282	18.194	1.1938	.25039	.43055	.25991	.28685	.43154
#1	.51312	.50532	1.0031	.49998	.51118	.47991	-.00266	4.8175	.51178	.50924	.50762	.52953	2.4482
#2	.51702	.50174	1.0096	.50147	.50755	.47496	-.00205	4.7369	.50998	.50615	.50576	.53168	2.4333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.468	.99275	19.821	.50892	.50637	5.0222	.50373	.98798	1.0348	.00921	1.0085	1.0327	4.7348
Stddev	.251	.00498	.017	.00140	.00206	.0402	.00193	.01026	.0017	.00127	.0019	.0013	.0153
%RSD	.49764	.50147	.08681	.27547	.40657	.80102	.38277	1.0384	.16090	13.826	.19129	.12565	.32305
#1	50.646	.99627	19.833	.50793	.50783	5.0506	.50509	.99524	1.0359	.01011	1.0099	1.0336	4.7239
#2	50.291	.98923	19.809	.50992	.50492	4.9937	.50237	.98073	1.0336	.00831	1.0072	1.0318	4.7456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.132	1.0027	.50431	.00141	.49928	1.0381	.00766	.50621	.49728	.49976
Stddev	.033	.0028	.00235	.00003	.00043	.0003	.00175	.00133	.00236	.00226
%RSD	.32305	.27658	.46612	1.9370	.08647	.02587	22.824	.26340	.47545	.45286
#1	10.109	1.0046	.50597	.00143	.49898	1.0383	.00889	.50526	.49561	.50136
#2	10.156	1.0007	.50264	.00139	.49959	1.0379	.00642	.50715	.49896	.49816
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3359.4	51965.	5696.6
Stddev	4.3	85.	24.0
%RSD	.12795	.16332	.42134
#1	3356.4	52025.	5679.6
#2	3362.5	51905.	5713.6

Sample Name: CCB Acquired: 5/2/2012 9:50:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	-.00021	-.00308	.00041	.00010	.00012	-.00176	.00146	.00003	-.00019	.00016	-.00054
Stddev	.00013	.00006	.00448	.00019	.00003	.00004	.00029	.00132	.00002	.00015	.00000	.00027
%RSD	43.946	29.706	145.36	46.692	28.706	34.287	16.301	90.249	52.309	75.740	1.4938	50.175
#1	.00020	-.00025	-.00625	.00055	.00008	.00015	-.00155	.00053	.00005	-.00009	.00016	-.00035
#2	.00039	-.00017	.00009	.00027	.00012	.00009	-.00196	.00239	.00002	-.00030	.00016	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	.04880	.00075	.00398	.00013	.00081	W .11422	-.00027	-.00257	.00018	.00346	-.00038
Stddev	.00060	.00643	.00136	.00468	.00001	.00066	.00626	.00004	.00166	.00039	.00039	.00123
%RSD	57.306	13.183	182.54	117.51	10.671	81.754	5.4775	14.472	64.350	218.81	11.250	319.52
#1	.00147	.05335	-.00022	.00067	.00014	.00034	.11864	-.00030	-.00140	-.00010	.00373	-.00125
#2	.00062	.04425	.00171	.00729	.00012	.00128	.10979	-.00024	-.00374	.00046	.00318	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00449	-.00961	.00086	.00006	.00121	.00031	.00148	-.00006	-.00041	.00278	.00070
Stddev	.00380	.00789	.01689	.00005	.00009	.00038	.00011	.00168	.01047	.00039	.00049	.00068
%RSD	29129.	175.72	175.72	5.3487	158.69	31.224	35.905	113.66	18216.	95.379	17.758	97.710
#1	.00270	.00109	.00233	.00083	.00012	.00095	.00023	.00266	.00734	-.00068	.00243	.00118
#2	-.00267	-.01007	-.02155	.00089	-.00001	.00148	.00039	.00029	-.00746	-.00013	.00313	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3376.4	52733.	5657.8
Stddev	2.2	8.	28.2
%RSD	.06397	.01532	.49830
#1	3377.9	52739.	5637.8
#2	3374.9	52727.	5677.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 9:53:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01075	.10699	.01120	.10353	.01082	.00100	.11963	.20003	.00539	.01090	.01049	.01605	F .18591
Stddev	.00005	.00109	.00270	.00023	.00002	.00003	.00006	.00391	.00008	.00021	.00029	.00009	.00227
%RSD	.43353	1.0215	24.133	.22229	.16780	3.4850	.05067	1.9570	1.4427	1.9318	2.7645	.57923	1.2192
#1	.01078	.10776	.00929	.10370	.01083	.00098	.11959	.20280	.00544	.01075	.01028	.01611	.18430
#2	.01072	.10622	.01311	.10337	.01080	.00103	.11967	.19727	.00533	.01104	.01069	.01598	.18751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2222	.01010	.21664	.01158	.02064	1.1583	.04200	3.0107	.00923	.00128	F .00691	.01660	.48347
Stddev	.0563	.00094	.00397	.00007	.00032	.0113	.00063	.0055	.00018	.00137	.00218	.00140	.01378
%RSD	1.7473	9.2622	1.8340	.62588	1.5425	.97927	1.4969	.18291	1.9879	107.25	31.547	8.4631	2.8496
#1	3.1824	.01076	.21945	.01164	.02041	1.1503	.04244	3.0146	.00936	.00225	.00845	.01759	.49321
#2	3.2620	.00943	.21383	.01153	.02086	1.1664	.04156	3.0068	.00910	.00031	.00537	.01560	.47372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0346	.10785	.01054	.01715	.01018	.01777	.06593	.00968	.02385	.01652
Stddev	.0295	.00018	.00002	.00053	.00007	.00148	.01181	.00035	.00011	.00021
%RSD	2.8496	.17093	.22183	3.0840	.65059	8.3066	17.917	3.6201	.45282	1.2859
#1	1.0555	.10772	.01052	.01753	.01013	.01673	.05757	.00993	.02393	.01637
#2	1.0138	.10798	.01056	.01678	.01023	.01882	.07428	.00943	.02378	.01667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3460.1	53582.	5725.4
Stddev	6.3	54.	62.1
%RSD	.18204	.10110	1.0843
#1	3455.6	53620.	5769.3
#2	3464.6	53543.	5681.5

Sample Name: MB 280-117239/1-A Acquired: 5/2/2012 9:55:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00246	-.00026	.00009	.00030	.00004	.00063	.01082	.00011	-.00018
Stddev	.00036	.00064	.00494	.00009	.00005	.00004	.00014	.00400	.00001	.00007
%RSD	287.81	25.846	1873.0	95.188	16.562	118.53	21.955	37.003	14.063	38.533
#1	-.00013	.00291	-.00376	.00015	.00026	.00001	.00054	.00799	.00012	-.00024
#2	.00038	.00201	.00323	.00003	.00033	.00007	.00073	.01365	.00009	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00026	.00616	.01188	.00109	.00207	.00011	-.00021	.08759	.00002
Stddev	.00025	.00007	.00148	.00284	.00009	.00231	.00004	.00010	.00746	.00031
%RSD	3198.3	26.810	23.934	23.926	8.0034	111.87	42.331	48.285	8.5126	1553.4
#1	.00017	-.00031	.00721	.00987	.00103	.00043	.00014	-.00028	.08231	-.00020
#2	-.00018	-.00021	.00512	.01389	.00115	.00370	.00007	-.00014	.09286	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00079	.00318	-.00264	.00144	F -.01887	-.04039	-.00037	.00002	.00064
Stddev	.00071	.00013	.00188	.00052	.00273	.00243	.00520	.00009	.00001	.00048
%RSD	303.96	16.749	59.164	19.698	189.46	12.880	12.880	23.434	38.539	74.842
#1	.00073	-.00070	.00451	-.00301	.00337	-.02059	-.04406	-.00043	.00002	.00097
#2	-.00027	-.00089	.00185	-.00228	-.00049	-.01715	-.03671	-.00031	.00003	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.01000				
Low Limit						-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.00172	.01758	-.00072	.00280	-.00017
Stddev	.00001	.00028	.02985	.00016	.00005	.00164
%RSD	1.2221	16.043	169.75	22.654	1.6781	935.30
#1	.00043	.00153	-.00352	-.00083	.00284	-.00133
#2	.00042	.00192	.03869	-.00060	.00277	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3458.0	53807.	5788.9
Stddev	9.3	137.	8.9
%RSD	.26755	.25392	.15430
#1	3464.5	53903.	5795.2
#2	3451.5	53710.	5782.6

Sample Name: LCS 280-117239/2-A Acquired: 5/2/2012 9:57:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05390	1.9511	1.0740	1.0642	2.0498	.04878	2.2616	47.410	.10581	.50345
Stddev	.00054	.0033	.0010	.0044	.0075	.00009	.0064	.103	.00055	.00049
%RSD	.99457	.16753	.09708	.41113	.36678	.17894	.28256	.21631	.51619	.09744
#1	.05428	1.9488	1.0747	1.0611	2.0445	.04872	2.2570	47.338	.10543	.50311
#2	.05352	1.9534	1.0733	1.0673	2.0551	.04885	2.2661	47.483	.10620	.50380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20378	.27026	.99100	51.425	1.0075	50.439	.51751	1.0296	53.514	.50267
Stddev	.00021	.00142	.00518	.158	.0026	.172	.00176	.0005	.170	.00107
%RSD	.10158	.52374	.52308	.30744	.25702	.34048	.33921	.04425	.31750	.21356
#1	.20364	.27126	.99467	51.313	1.0057	50.560	.51875	1.0293	53.394	.50191
#2	.20393	.26926	.98734	51.537	1.0093	50.317	.51627	1.0300	53.634	.50343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.569	.50874	.01674	.51666	2.1892	9.6312	F 20.611	2.0317	1.0295	1.0476
Stddev	.044	.00101	.00145	.00316	.0015	.0340	.073	.0022	.0035	.0014
%RSD	.41579	.19791	8.6316	.61068	.06789	.35270	.35270	.11019	.34114	.12986
#1	10.537	.50802	.01572	.51443	2.1882	9.6072	20.559	2.0302	1.0270	1.0486
#2	10.600	.50945	.01777	.51889	2.1903	9.6552	20.662	2.0333	1.0320	1.0467
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0175	2.0643	2.2723	.51671	.50823	.50387
Stddev	.0019	.0073	.0060	.00093	.00302	.00438
%RSD	.19007	.35217	.26375	.17934	.59435	.86893
#1	1.0188	2.0592	2.2681	.51737	.51036	.50077
#2	1.0161	2.0695	2.2765	.51606	.50609	.50696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3296.7	50876.	5773.7
Stddev	6.8	242.	36.8
%RSD	.20591	.47622	.63754
#1	3301.5	50705.	5799.7
#2	3291.9	51047.	5747.6

Sample Name: 280-28132-D-1-A Acquired: 5/2/2012 10:00:04 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00071	-.00005	3.2048	.01018	.00007	-.00238	278.48	.00139	.00036
Stddev	.00010	.00088	.00339	.0031	.00017	.00008	.00045	.11	.00012	.00021
%RSD	246.35	122.65	7093.6	.09749	1.6683	119.95	18.965	.03835	8.7390	58.543
#1	-.00003	.00133	.00235	3.2070	.01030	.00001	-.00270	278.40	.00130	.00051
#2	.00011	.00009	-.00244	3.2026	.01006	.00013	-.00206	278.56	.00147	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00320	.00159	1.8228	29.832	.33065	W 965.31	.15361	.00899	W 2313.5	.01946
Stddev	.00006	.00040	.0116	.229	.00020	2.86	.00077	.00051	9.7	.00035
%RSD	1.8194	25.347	.63600	.76814	.05995	.29579	.50173	5.6233	.41955	1.8139
#1	.00316	.00131	1.8146	29.670	.33051	963.29	.15306	.00863	2306.6	.01921
#2	.00324	.00188	1.8310	29.994	.33079	967.33	.15415	.00934	2320.4	.01971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06816	.00036	F 2243.3	-.00116	.01070	11.663	24.960	-.00015	2.7665	-.00449
Stddev	.00339	.00337	.9	.00002	.00426	.031	.065	.00068	.0104	.00120
%RSD	4.9755	939.38	.03791	2.1194	39.780	.26160	.26160	438.94	.37598	26.646
#1	.07056	-.00203	2242.7	-.00117	.00769	11.642	24.914	-.00063	2.7591	-.00364
#2	.06576	.00274	2243.9	-.00114	.01371	11.685	25.006	.00033	2.7738	-.00534
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00078	.00453	.01254	.00090	.00789	.00195
Stddev	.00002	.00004	.00101	.00052	.00025	.00064
%RSD	2.0864	.97979	8.0946	57.799	3.1320	32.658
#1	.00080	.00456	.01182	.00126	.00807	.00150
#2	.00077	.00450	.01325	.00053	.00772	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2707.1	41197.	5536.9
Stddev	.9	35.	19.3
%RSD	.03238	.08556	.34891
#1	2706.4	41221.	5550.6
#2	2707.7	41172.	5523.3

Sample Name: 280-28132-D-1-ASD@5 Acquired: 5/2/2012 10:02:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	-.00120	-.00321	.65594	.00223	.00008	-.00019	58.054	.00104	-.00009
Stddev	.00058	.00075	.00036	.00223	.00010	.00006	.00628	.151	.00001	.00019
%RSD	261.13	62.011	11.214	.33963	4.5636	72.775	3240.5	.26053	1.3211	212.11
#1	.00019	-.00173	-.00346	.65752	.00230	.00004	.00425	58.161	.00103	.00004
#2	-.00063	-.00068	-.00295	.65437	.00216	.00012	-.00464	57.947	.00105	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.00064	.37774	5.7826	.06255	199.03	.03071	.00142	456.86	.00415
Stddev	.00011	.00006	.00104	.0129	.00110	2.08	.00022	.00016	.38	.00026
%RSD	11.081	8.7409	.27559	.22270	1.7620	1.0474	.70634	11.051	.08306	6.3646
#1	.00090	.00060	.37848	5.7917	.06333	200.51	.03086	.00154	457.13	.00396
#2	.00105	.00068	.37701	5.7735	.06177	197.56	.03055	.00131	456.59	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01175	-.00199	F 563.21	-.00348	.00031	2.3014	4.9249	.00041	.54869	-.00059
Stddev	.00090	.00180	.46	.00088	.00187	.0121	.0259	.00022	.00188	.00010
%RSD	7.6748	90.699	.08122	25.358	597.46	.52487	.52487	53.056	.34330	16.827
#1	.01111	-.00071	562.89	-.00410	.00163	2.3099	4.9432	.00056	.55002	-.00066
#2	.01239	-.00327	563.53	-.00285	-.00101	2.2928	4.9067	.00026	.54736	-.00052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00152	-.00847	.00015	.00493	-.00008
Stddev	.00020	.00153	.00706	.00053	.00126	.00033
%RSD	46.665	100.55	83.298	344.58	25.479	401.29
#1	.00029	.00044	-.01346	.00053	.00582	.00015
#2	.00058	.00261	-.00348	-.00022	.00404	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3138.7	47856.	5678.1
Stddev	3.5	140.	18.9
%RSD	.11082	.29346	.33287
#1	3141.1	47757.	5691.5
#2	3136.2	47956.	5664.8

Sample Name: 280-28132-D-1-B MS Acquired: 5/2/2012 10:05:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05844	1.7559	1.1443	4.1002	1.9279	.04776	F 2.1752	324.82	.10885	.47383
Stddev	.00006	.0006	.0041	.0097	.0157	.00001	.0024	2.06	.00022	.00011
%RSD	.10625	.03544	.36147	.23732	.81556	.01337	.11271	.63382	.19902	.02375
#1	.05839	1.7563	1.1413	4.1071	1.9168	.04776	2.1770	323.37	.10901	.47375
#2	.05848	1.7554	1.1472	4.0933	1.9390	.04777	2.1735	326.28	.10870	.47391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20267	.27225	2.7641	84.960	1.4157	W 1002.5	.66505	1.0131	W 2371.4	.48642
Stddev	.00001	.00166	.0023	.161	.0030	12.1	.00288	.0004	.2	.00058
%RSD	.00594	.61095	.08419	.18938	.21165	1.2037	.43367	.03561	.00702	.11924
#1	.20266	.27343	2.7625	84.846	1.4178	1011.0	.66709	1.0128	2371.3	.48601
#2	.20268	.27107	2.7658	85.074	1.4136	993.96	.66301	1.0134	2371.5	.48683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.493	.44007	F 2218.9	.52285	2.4778	21.551	46.120	1.8522	3.8060	1.0617
Stddev	.006	.00305	.9	.00146	.0016	.068	.146	.0007	.0011	.0100
%RSD	.05092	.69229	.04192	.27872	.06425	.31691	.31691	.03623	.02776	.93688
#1	11.497	.44223	2218.2	.52388	2.4789	21.503	46.017	1.8517	3.8067	1.0687
#2	11.489	.43792	2219.5	.52182	2.4766	21.600	46.223	1.8527	3.8052	1.0546
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0265	1.6321	2.1550	.52991	.49632	.50189
Stddev	.0045	.0068	.0336	.00402	.00393	.00049
%RSD	.44128	.41884	1.5575	.75780	.79179	.09859
#1	1.0297	1.6273	2.1313	.53275	.49910	.50154
#2	1.0233	1.6370	2.1787	.52707	.49355	.50224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2712.9	41548.	5454.8
Stddev	3.4	70.	35.8
%RSD	.12606	.16792	.65718
#1	2715.3	41499.	5480.2
#2	2710.5	41598.	5429.5

Sample Name: 280-28132-D-1-C MSD Acquired: 5/2/2012 10:07:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05846	1.7474	1.1279	4.1349	1.8590	.04708	F 2.1566	321.96	.10812	.47056
Stddev	.00011	.0098	.0029	.0148	.0047	.00003	.0070	3.75	.00070	.00115
%RSD	.18918	.55887	.25751	.35809	.25464	.06467	.32533	1.1645	.65188	.24448
#1	.05839	1.7543	1.1258	4.1453	1.8556	.04706	2.1616	324.61	.10861	.47137
#2	.05854	1.7405	1.1299	4.1244	1.8623	.04710	2.1516	319.31	.10762	.46974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20139	.27129	2.7615	84.738	1.3961	W 1015.3	.66710	1.0117	W 2378.3	.48216
Stddev	.00084	.00102	.0040	.113	.0021	8.9	.00208	.0061	1.7	.00233
%RSD	.41885	.37427	.14544	.13336	.14919	.87760	.31246	.60534	.07055	.48243
#1	.20199	.27057	2.7587	84.818	1.3946	1009.0	.66563	1.0161	2379.5	.48380
#2	.20079	.27201	2.7644	84.658	1.3976	1021.6	.66858	1.0074	2377.1	.48051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.441	.43638	F 2225.4	.52040	2.4490	21.366	45.724	1.8472	3.8041	1.0598
Stddev	.036	.00214	7.9	.00270	.0011	.044	.094	.0013	.0029	.0015
%RSD	.31511	.49081	.35481	.51911	.04654	.20569	.20569	.06897	.07715	.14376
#1	11.467	.43790	2231.0	.52231	2.4499	21.397	45.791	1.8463	3.8021	1.0608
#2	11.416	.43487	2219.8	.51849	2.4482	21.335	45.658	1.8481	3.8062	1.0587
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0319	1.6183	2.1785	.52853	.49680	.49588
Stddev	.0016	.0075	.0212	.00177	.00181	.00250
%RSD	.15235	.46264	.97216	.33400	.36369	.50512
#1	1.0308	1.6236	2.1635	.52728	.49552	.49411
#2	1.0331	1.6130	2.1935	.52978	.49808	.49765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2712.0	41160.	5519.0
Stddev	7.2	154.	36.9
%RSD	.26558	.37486	.66829
#1	2706.9	41269.	5493.0
#2	2717.1	41050.	5545.1

Sample Name: 280-28161-C-1-A Acquired: 5/2/2012 10:10:12 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.00078	-.00270	4.1951	.02210	-.00003	.00112	42.901	.00056	.00024
Stddev	.00018	.00046	.00155	.0110	.00033	.00003	.00054	.054	.00010	.00008
%RSD	119.01	59.397	57.662	.26327	1.4928	111.36	48.646	.12567	17.549	33.249
#1	-.00027	.00111	-.00160	4.2029	.02187	-.00001	.00150	42.939	.00049	.00018
#2	-.00002	.00045	-.00379	4.1873	.02234	-.00005	.00073	42.863	.00063	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00511	.01485	7.5392	.06070	24.037	.12035	.00342	W 1881.7	.00605
Stddev	.00012	.00055	.00060	.0159	.00375	.031	.00002	.00047	2.9	.00035
%RSD	101.11	10.697	4.0165	.21028	6.1702	.12752	.01827	13.632	.15503	5.7702
#1	.00003	.00472	.01442	7.5504	.05805	24.059	.12033	.00309	1883.7	.00580
#2	.00020	.00549	.01527	7.5280	.06334	24.015	.12036	.00375	1879.6	.00629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06421	-.00088	F 326.28	-.00302	.00614	2.9973	6.4141	.00163	3.9848	-.00127
Stddev	.00007	.00035	1.08	.00284	.00084	.0012	.0025	.00084	.0058	.00166
%RSD	.11475	39.518	.33146	93.940	13.708	.03943	.03943	51.581	.14661	129.97
#1	.06416	-.00064	327.05	-.00503	.00555	2.9981	6.4159	.00103	3.9889	-.00245
#2	.06427	-.00113	325.52	-.00101	.00674	2.9964	6.4123	.00222	3.9807	-.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	.00168	.02978	.00019	.00808	.00072
Stddev	.00011	.00207	.00416	.00065	.00123	.00190
%RSD	19.566	122.74	13.967	334.54	15.213	263.75
#1	.00048	.00315	.03272	-.00026	.00895	.00206
#2	.00064	.00022	.02684	.00065	.00721	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2937.7	43731.	5580.5
Stddev	4.8	82.	22.0
%RSD	.16429	.18711	.39488
#1	2941.1	43673.	5564.9
#2	2934.3	43789.	5596.1

Sample Name: 280-28161-C-2-A Acquired: 5/2/2012 10:12:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00198	.00339	2.6863	.03646	.00007	-.00048	70.941	.00078	.01105
Stddev	.00018	.00020	.00042	.0080	.00034	.00001	.00044	.157	.00007	.00054
%RSD	854.66	9.9357	12.292	.29966	.92249	11.862	92.004	.22109	9.6019	4.8547
#1	-.00015	.00184	.00369	2.6920	.03623	.00008	-.00079	71.052	.00073	.01143
#2	.00011	.00212	.00310	2.6806	.03670	.00006	-.00017	70.830	.00083	.01067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00300	.31124	11.863	.04012	74.372	.34188	.00221	W 615.68	.04516
Stddev	.00023	.00024	.00326	.054	.00139	.236	.00072	.00003	.12	.00018
%RSD	38.667	7.9250	1.0475	.45798	3.4665	.31786	.21001	1.2349	.01915	.39088
#1	.00043	.00317	.31355	11.902	.04110	74.539	.34239	.00223	615.60	.04504
#2	.00075	.00283	.30894	11.825	.03914	74.205	.34137	.00219	615.77	.04529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.5797	.00086	103.97	-.00131	.00588	8.4746	18.136	-.00147	3.5865	.00070
Stddev	.0030	.00081	.19	.00169	.00480	.0219	.047	.00034	.0035	.00036
%RSD	.08489	93.621	.18246	129.54	81.667	.25837	.25837	22.859	.09783	51.495
#1	3.5819	.00029	104.10	-.00011	.00927	8.4591	18.102	-.00123	3.5890	.00096
#2	3.5776	.00143	103.83	-.00250	.00248	8.4901	18.169	-.00171	3.5841	.00045
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00270	-.01725	.00423	.00957	-.00059
Stddev	.00003	.00215	.02516	.00056	.00008	.00067
%RSD	5.9303	79.642	145.84	13.142	.83294	113.43
#1	.00061	.00118	.00054	.00462	.00952	-.00012
#2	.00056	.00422	-.03504	.00384	.00963	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3130.0	47746.	5694.6
Stddev	6.3	169.	14.2
%RSD	.20062	.35470	.24951
#1	3134.4	47626.	5684.6
#2	3125.5	47866.	5704.7

Sample Name: 280-28161-C-3-A Acquired: 5/2/2012 10:15:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00725	.00653	.12118	3.7612	.00005	-.00015	165.08	.00058	-.00045
Stddev	.00038	.00010	.00016	.00008	.0046	.00000	.00199	.01	.00002	.00005
%RSD	102.61	1.3177	2.4943	.06319	.12118	8.8627	1318.9	.00411	3.9689	11.176
#1	.00010	.00718	.00641	.12112	3.7580	.00005	-.00156	165.08	.00056	-.00042
#2	.00064	.00732	.00664	.12123	3.7644	.00005	.00125	165.09	.00060	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00078	17.220	5.1039	.00751	66.101	.45848	.00023	86.308	-.00022
Stddev	.00025	.00050	.007	.0029	.00304	.094	.00049	.00011	.144	.00020
%RSD	66.297	63.335	.04150	.05671	40.449	.14206	.10667	47.338	.16648	91.820
#1	.00056	.00043	17.225	5.1018	.00536	66.035	.45814	.00015	86.410	-.00036
#2	.00020	.00113	17.215	5.1059	.00966	66.168	.45883	.00031	86.207	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14470	.00124	.38455	-.00260	-.00145	14.862	31.806	.00035	1.9253	-.00012
Stddev	.00236	.00024	.00398	.00137	.00226	.014	.030	.00038	.0026	.00150
%RSD	1.6324	19.355	1.0357	52.884	156.25	.09366	.09366	108.44	.13372	1256.6
#1	.14637	.00141	.38736	-.00357	-.00305	14.872	31.827	.00008	1.9235	-.00118
#2	.14303	.00107	.38173	-.00163	.00015	14.853	31.785	.00061	1.9271	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00065	.00389	-.00404	.00004	.00634	-.00003
Stddev	.00027	.00185	.01178	.00001	.00027	.00219
%RSD	41.807	47.417	291.46	11.444	4.1831	7541.5
#1	.00046	.00520	.00429	.00005	.00652	.00152
#2	.00085	.00259	-.01237	.00004	.00615	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3243.6	50388.	5805.6
Stddev	11.6	141.	27.9
%RSD	.35728	.27966	.48141
#1	3251.8	50488.	5785.8
#2	3235.4	50288.	5825.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 10:17:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00123	48.895	.00223	.00743	.00086	.00006	W 1.0592	.01443	.00003	.00025	.00045	-.00324
Stddev	.00015	.099	.00027	.00078	.00029	.00008	.0002	.00187	.00016	.00004	.00001	.00016
%RSD	11.951	.20336	12.131	10.465	33.332	125.70	.01582	12.941	610.28	15.629	1.5368	4.7830
#1	-.00134	48.825	.00242	.00798	.00066	.00012	1.0593	.01575	-.00009	.00023	.00044	-.00313
#2	-.00113	48.965	.00204	.00688	.00106	.00001	1.0590	.01311	.00014	.00028	.00045	-.00335
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.728	.10206	-.00071	-.01387	.00019	.00044	255.34	.00119	.00637	-.00102	W 5.2780	-.00373
Stddev	.046	.00613	.00344	.00091	.00006	.00006	.03	.00035	.00189	.00047	.0050	.00112
%RSD	.09524	6.0092	483.05	6.5560	30.848	13.505	.01090	29.760	29.737	46.305	.09482	30.189
#1	48.760	.10640	-.00315	-.01451	.00023	.00048	255.36	.00144	.00770	-.00069	5.2744	-.00293
#2	48.695	.09772	.00172	-.01322	.00015	.00040	255.32	.00094	.00503	-.00136	5.2815	-.00452
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00414	.01319	.02822	.00255	.00051	5.1522	.00734	.00096	W 10.795	-.00358	.00178	-.03433
Stddev	.00449	.00357	.00764	.00118	.00007	.0048	.00020	.00011	.002	.00045	.00081	.00099
%RSD	108.38	27.061	27.061	46.259	12.787	.09260	2.7766	11.457	.01510	12.581	45.271	2.8939
#1	.00097	.01571	.03362	.00338	.00047	5.1488	.00720	.00088	10.796	-.00326	.00235	-.03363
#2	.00731	.01066	.02282	.00171	.00056	5.1556	.00749	.00104	10.794	-.00389	.00121	-.03503
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3315.2	50689.	5751.6
Stddev	10.3	56.	5.1
%RSD	.31033	.11077	.08824
#1	3308.0	50729.	5755.2
#2	3322.5	50649.	5748.0

Sample Name: CCV-1390955 Acquired: 5/2/2012 10:19:49 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51472	.50608	1.0111	.50519	.51110	.47724	-.00293	4.7780	.51012	.50865	.50822	.52666	2.4441
Stddev	.00240	.00293	.0021	.00057	.00227	.00101	.00205	.0261	.00043	.00233	.00077	.00100	.0110
%RSD	.46637	.57912	.20689	.11235	.44471	.21154	69.976	.54648	.08377	.45833	.15130	.19081	.45095
#1	.51302	.50815	1.0126	.50559	.51271	.47796	-.00148	4.7965	.50982	.51030	.50877	.52595	2.4518
#2	.51642	.50400	1.0096	.50479	.50949	.47653	-.00439	4.7595	.51043	.50701	.50768	.52737	2.4363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.621	.99279	19.799	.50904	.50693	5.1169	.50497	.99623	1.0384	.08476	1.0129	1.0324	4.7046
Stddev	.227	.00148	.039	.00099	.00020	.0363	.00091	.00436	.0029	.00216	.0008	.0009	.0049
%RSD	.44793	.14934	.19483	.19407	.03908	.70988	.18083	.43766	.28191	2.5513	.08345	.08791	.10488
#1	50.782	.99174	19.772	.50834	.50679	5.1426	.50562	.99931	1.0405	.08629	1.0135	1.0318	4.7081
#2	50.461	.99384	19.827	.50974	.50708	5.0912	.50433	.99315	1.0363	.08323	1.0123	1.0331	4.7011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.068	1.0063	.50519	.00096	.49896	1.0358	.00786	.50594	.50095	.50092
Stddev	.011	.0001	.00254	.00078	.00003	.0016	.00414	.00038	.00352	.00390
%RSD	.10488	.00663	.50296	81.333	.00548	.15643	52.611	.07563	.70297	.77938
#1	10.075	1.0064	.50699	.00041	.49894	1.0370	.01078	.50567	.49846	.50368
#2	10.060	1.0063	.50340	.00152	.49898	1.0347	.00494	.50621	.50344	.49816
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3382.7	52379.	5763.4
Stddev	6.0	135.	9.7
%RSD	.17744	.25863	.16907
#1	3378.5	52475.	5770.3
#2	3387.0	52283.	5756.5

Sample Name: CCB Acquired: 5/2/2012 10:22:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00011	-.00413	.00373	.00017	.00008	-.00324	.00111	.00020	-.00021	-.00007	-.00091	.00012
Stddev	.00030	.00008	.00083	.00079	.00020	.00002	.00110	.00180	.00000	.00019	.00000	.00025	.00055
%RSD	130.95	67.456	20.150	21.060	115.12	22.810	34.022	162.74	.72112	88.935	3.5317	27.848	437.05
#1	.00043	-.00006	-.00354	.00429	.00003	.00006	-.00402	.00238	.00020	-.00035	-.00007	-.00108	-.00026
#2	.00002	-.00017	-.00472	.00318	.00032	.00009	-.00246	-.00017	.00020	-.00008	-.00006	-.00073	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02309	.00013	.00158	.00010	.00121	F .21142	-.00051	-.00072	-.00036	.10034	-.00209	-.00126	-.01890
Stddev	.01561	.00304	.00176	.00001	.00030	.01207	.00016	.00230	.00107	.00532	.00151	.00253	.00920
%RSD	67.594	2420.0	110.94	9.2609	24.478	5.7071	30.839	319.77	292.16	5.2975	72.246	200.17	48.674
#1	.01205	.00227	.00034	.00011	.00100	.20288	-.00062	.00091	.00039	.10409	-.00316	-.00305	-.02541
#2	.03413	-.00202	.00283	.00009	.00142	.21995	-.00040	-.00235	-.00112	.09658	-.00102	.00052	-.01240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04045	.00205	.00003	.00289	.00009	.00095	-.01401	-.00045	.00269	.00016
Stddev	.01969	.00044	.00002	.00029	.00004	.00005	.00659	.00007	.00062	.00021
%RSD	48.674	21.660	58.930	10.179	48.162	5.4371	47.048	15.063	23.051	137.05
#1	-.05437	.00174	.00004	.00268	.00006	.00092	-.00935	-.00040	.00225	.00031
#2	-.02653	.00236	.00002	.00309	.00012	.00099	-.01868	-.00049	.00313	.00000
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3377.4	52496.	5639.1
Stddev	.7	22.	17.8
%RSD	.02056	.04214	.31601
#1	3376.9	52511.	5626.5
#2	3377.9	52480.	5651.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 10:24:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01098	.10797	.01428	.10674	.01055	.00103	.11806	.20217	.00553	.01072	.01047	.01564	.10261
Stddev	.00019	.00073	.00078	.00050	.00019	.00003	.00234	.00059	.00000	.00018	.00008	.00046	.00174
%RSD	1.7648	.67831	5.4634	.46672	1.7675	2.4459	1.9824	.28983	.01733	1.7076	.72575	2.9282	1.6909
#1	.01085	.10746	.01373	.10709	.01042	.00101	.11640	.20175	.00553	.01085	.01052	.01532	.10384
#2	.01112	.10849	.01483	.10639	.01068	.00105	.11971	.20258	.00553	.01059	.01041	.01597	.10139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2284	.01010	.21300	.01088	.02106	1.2235	.04222	2.9955	.00912	.06475	F .00687	.01443	.48876
Stddev	.0103	.00080	.00192	.00005	.00022	.0109	.00019	.0120	.00091	.00064	.00112	.00186	.00862
%RSD	.31865	7.9598	.90183	.43040	1.0596	.88839	.44490	.39947	10.025	.98610	16.241	12.923	1.7628
#1	3.2211	.01067	.21436	.01085	.02122	1.2312	.04235	2.9871	.00976	.06429	.00766	.01575	.48267
#2	3.2356	.00953	.21165	.01092	.02091	1.2158	.04209	3.0040	.00847	.06520	.00608	.01311	.49485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0459	.10602	.01059	.01688	.01057	.01800	F .09585	.00988	.02353	.01684
Stddev	.0184	.00094	.00001	.00063	.00049	.00097	.03290	.00029	.00011	.00036
%RSD	1.7628	.88768	.06641	3.7196	4.6704	5.3724	34.320	2.9040	.45630	2.1161
#1	1.0329	.10535	.01060	.01644	.01022	.01731	.11911	.01008	.02345	.01709
#2	1.0590	.10668	.01059	.01732	.01092	.01868	.07259	.00968	.02361	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3478.2	54521.	5800.7
Stddev	8.4	191.	4.1
%RSD	.24206	.35102	.07140
#1	3484.1	54657.	5797.7
#2	3472.2	54386.	5803.6

Sample Name: mb 280-117358/1-a Acquired: 5/2/2012 10:26:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	F .22720	-.00144	.00393	W .00968	.00008	-.00397	F 70.294	.00027	.00001
Stddev	.00028	.00032	.00441	.00023	.00015	.00004	.00303	.066	.00011	.00001
%RSD	511.76	.14200	304.92	5.8709	1.5625	55.629	76.399	.09397	42.268	146.71
#1	.00014	.22698	.00167	.00377	.00978	.00005	-.00612	70.341	.00019	.00000
#2	-.00025	.22743	-.00456	.00410	.00957	.00011	-.00183	70.248	.00035	.00002
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.10000			.00500			.20000		
Low Limit		-.10000			-.00500			-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00032	W .06374	.06377	.00077	F .92944	W .00736	.00027	F 1.0419	-.00035
Stddev	.00001	.00060	.00223	.01031	.00122	.00310	.00009	.00016	.0062	.00016
%RSD	3.1197	189.99	3.4908	16.171	157.42	.33398	1.2156	60.468	.59513	44.093
#1	.00032	.00074	.06531	.05648	.00163	.93164	.00743	.00038	1.0375	-.00047
#2	.00034	-.00011	.06217	.07106	-.00009	.92725	.00730	.00015	1.0463	-.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit			.03000			.10000	.00500		1.0000	
Low Limit			-.05000			-.10000	-.00500		-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00858	-.00042	F .18485	-.00275	-.00267	F .16464	.35233	.00318	F .03890	.00195
Stddev	.00016	.00018	.00275	.00380	.00087	.00279	.00597	.00001	.00021	.00084
%RSD	1.8076	42.231	1.4872	138.28	32.578	1.6931	1.6931	.19482	.53410	43.261
#1	.00869	-.00055	.18291	-.00543	-.00328	.16661	.35655	.00318	.03905	.00255
#2	.00847	-.00030	.18680	-.00006	-.00205	.16267	.34811	.00319	.03875	.00135
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail	Chk Pass
High Limit	.00500		.01000			.01000			.01000	
Low Limit	-.00500		-.01000			-.01000			-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00362	.00076	-.00178	-.00011	W .00852	.00139
Stddev	.00014	.00048	.01431	.00008	.00049	.00046
%RSD	3.8236	63.391	805.44	75.120	5.7295	33.387
#1	.00371	.00110	.00834	-.00005	.00818	.00172
#2	.00352	.00042	-.01190	-.00017	.00887	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3327.3	51879.	5696.6
Stddev	11.2	88.	2.9
%RSD	.33806	.16879	.05117
#1	3335.2	51941.	5694.5
#2	3319.3	51817.	5698.6

Sample Name: lcs 280-117358/2-a Acquired: 5/2/2012 10:29:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05186	1.9180	1.0364	1.0165	2.0691	.04932	2.2102	48.207	.10310	.50398
Stddev	.00024	.0032	.0031	.0014	.0052	.00002	.0024	.003	.00020	.00038
%RSD	.45692	.16811	.30092	.13487	.25283	.03594	.10825	.00663	.19726	.07476
#1	.05170	1.9157	1.0386	1.0155	2.0654	.04931	2.2086	48.204	.10324	.50371
#2	.05203	1.9203	1.0342	1.0174	2.0728	.04933	2.2119	48.209	.10295	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20576	.26569	.98618	51.878	1.0269	49.415	.51604	1.0451	54.121	.50141
Stddev	.00044	.00022	.00021	.154	.0001	.039	.00052	.0006	.019	.00058
%RSD	.21259	.08265	.02123	.29689	.00612	.07834	.09986	.05525	.03539	.11473
#1	.20545	.26585	.98633	51.769	1.0268	49.442	.51640	1.0455	54.135	.50182
#2	.20607	.26554	.98603	51.987	1.0269	49.388	.51567	1.0447	54.108	.50101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.183	.50363	.07679	.50602	2.0595	9.8245	F 21.025	2.0289	1.0400	1.0468
Stddev	.012	.00147	.00537	.00126	.0063	.0304	.065	.0040	.0021	.0039
%RSD	.12018	.29203	6.9896	.24897	.30758	.30986	.30986	.19810	.19984	.37599
#1	10.191	.50259	.08058	.50513	2.0550	9.8030	20.978	2.0260	1.0385	1.0440
#2	10.174	.50467	.07299	.50691	2.0640	9.8461	21.071	2.0317	1.0415	1.0496
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0302	2.0145	2.2786	.52115	.49655	.50715
Stddev	.0019	.0070	.0041	.00106	.00086	.00274
%RSD	.18640	.34580	.18096	.20305	.17381	.54074
#1	1.0288	2.0194	2.2757	.52190	.49594	.50521
#2	1.0315	2.0096	2.2815	.52040	.49716	.50909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3256.3	50473.	5660.4
Stddev	2.8	74.	21.7
%RSD	.08446	.14715	.38347
#1	3254.3	50421.	5675.7
#2	3258.2	50526.	5645.0

Sample Name: 280-28193-h-1-a Acquired: 5/2/2012 10:31:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.05643	-.00183	.88804	.01193	.00006	-.00608	W 507.28	.00124	-.00027
Stddev	.00040	.00004	.00677	.00075	.00000	.00002	.00228	1.65	.00031	.00008
%RSD	109.49	.07613	369.76	.08411	.01255	31.870	37.449	.32464	24.739	30.898
#1	.00008	.05646	.00296	.88751	.01193	.00007	-.00770	508.44	.00102	-.00033
#2	.00065	.05640	-.00662	.88857	.01192	.00005	-.00447	506.11	.00146	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01294	.00345	.09380	21.305	.18953	230.68	.00248	.03148	214.68	.00002
Stddev	.00010	.00014	.00124	.083	.00027	.25	.00009	.00007	.28	.00034
%RSD	.79885	4.1721	1.3255	.39163	.14385	.10958	3.5073	.21842	.13093	1946.1
#1	.01302	.00355	.09292	21.364	.18973	230.50	.00255	.03153	214.48	-.00022
#2	.01287	.00334	.09468	21.246	.18934	230.86	.00242	.03143	214.88	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01439	-.00071	F 789.92	-.00053	.00974	7.5653	16.190	.00022	W 10.402	-.00042
Stddev	.00326	.00079	.83	.00162	.00306	.0436	.093	.00164	.189	.00034
%RSD	22.679	111.38	.10466	308.27	31.450	.57666	.57666	748.02	1.8149	80.953
#1	.01208	-.00127	790.50	.00062	.00757	7.5961	16.256	.00138	10.535	-.00067
#2	.01670	-.00015	789.33	-.00167	.01191	7.5344	16.124	-.00094	10.268	-.00018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00198	.00387	-.00161	.00208	.00391	-.00106
Stddev	.00002	.00185	.00220	.00003	.00062	.00044
%RSD	1.1662	47.738	136.56	1.4271	15.720	41.917
#1	.00196	.00256	-.00006	.00206	.00348	-.00074
#2	.00200	.00517	-.00317	.00211	.00435	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2958.5	46068.	5544.4
Stddev	3.2	109.	20.9
%RSD	.10973	.23692	.37671
#1	2956.2	46145.	5559.2
#2	2960.8	45990.	5529.6

Sample Name: 280-28193-h-1-aSD@5 Acquired: 5/2/2012 10:34:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	.01406	-.00410	.18481	.00242	.00011	.00046	106.56	.00054	-.00024
Stddev	.00028	.00012	.00070	.00071	.00058	.00003	.00339	.71	.00005	.00026
%RSD	90.038	.85211	17.126	.38605	24.064	32.672	728.36	.66632	9.5936	105.29
#1	-.00011	.01398	-.00360	.18430	.00201	.00013	-.00193	106.06	.00050	-.00042
#2	-.00050	.01415	-.00460	.18531	.00283	.00008	.00286	107.07	.00058	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00262	.00050	.08078	4.2281	.03873	46.086	.00114	.00581	42.927	-.00012
Stddev	.00002	.00010	.00225	.0074	.00037	.038	.00003	.00017	.164	.00002
%RSD	.62052	20.862	2.7874	.17433	.94499	.08324	2.3800	2.8897	.38092	16.722
#1	.00260	.00058	.08237	4.2229	.03847	46.113	.00116	.00593	42.812	-.00014
#2	.00263	.00043	.07919	4.2333	.03899	46.058	.00112	.00569	43.043	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00396	.00021	161.03	-.00189	.00174	1.4753	3.1570	.00037	2.0848	-.00050
Stddev	.00038	.00051	.09	.00035	.00083	.0066	.0141	.00122	.0122	.00207
%RSD	9.5397	245.38	.05283	18.424	47.966	.44695	.44695	332.83	.58571	413.54
#1	.00370	.00057	161.09	-.00164	.00115	1.4799	3.1670	.00123	2.0762	.00096
#2	.00423	-.00015	160.97	-.00213	.00233	1.4706	3.1471	-.00050	2.0934	-.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00063	.02613	.00043	.00420	.00107
Stddev	.00046	.00176	.00288	.00002	.00013	.00034
%RSD	127.26	280.70	11.003	5.0090	3.1620	31.861
#1	.00004	.00187	.02410	.00045	.00430	.00083
#2	.00068	-.00062	.02817	.00042	.00411	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3236.1	50378.	5549.4
Stddev	6.6	120.	33.7
%RSD	.20256	.23849	.60781
#1	3240.7	50463.	5573.2
#2	3231.5	50293.	5525.5

Sample Name: 280-28193-a-1-a ms Acquired: 5/2/2012 10:36:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05451	1.9223	1.1015	1.8605	2.0839	.04753	F 2.2180	W 537.89	.10741	.48753
Stddev	.00033	.0022	.0049	.0010	.0008	.00036	.0028	.85	.00001	.00018
%RSD	.60379	.11325	.44502	.05151	.04032	.75192	.12708	.15777	.00654	.03665
#1	.05428	1.9207	1.0981	1.8612	2.0845	.04728	2.2200	537.29	.10740	.48740
#2	.05474	1.9238	1.1050	1.8599	2.0833	.04778	2.2160	538.49	.10741	.48766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21692	.27242	1.0707	74.171	1.2433	268.70	.50850	1.0758	262.41	.48178
Stddev	.00047	.00122	.0036	.049	.0004	2.26	.00135	.0011	1.16	.00002
%RSD	.21437	.44815	.33621	.06587	.02948	.83943	.26504	.10538	.44048	.00411
#1	.21725	.27155	1.0733	74.136	1.2436	270.30	.50754	1.0766	263.23	.48176
#2	.21659	.27328	1.0682	74.206	1.2430	267.11	.50945	1.0750	261.59	.48179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.888	.47304	F 774.20	.52057	2.2201	17.454	37.352	1.9556	W 11.011	1.0416
Stddev	.007	.00271	.32	.00088	.0091	.037	.080	.0092	.013	.0019
%RSD	.06387	.57316	.04114	.16984	.40825	.21351	.21351	.47001	.11354	.18065
#1	10.883	.47496	773.97	.51995	2.2137	17.480	37.408	1.9491	11.002	1.0402
#2	10.893	.47112	774.42	.52120	2.2265	17.428	37.295	1.9621	11.020	1.0429
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0253	1.8074	2.2494	.52425	.47764	.50132
Stddev	.0014	.0018	.0157	.00120	.00047	.00137
%RSD	.13359	.09798	.69815	.22978	.09837	.27251
#1	1.0243	1.8087	2.2383	.52340	.47731	.50229
#2	1.0262	1.8061	2.2605	.52511	.47798	.50035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2923.2	45917.	5457.2
Stddev	3.2	67.	30.5
%RSD	.11038	.14507	.55852
#1	2925.5	45870.	5435.6
#2	2921.0	45964.	5478.7

Sample Name: 280-28193-a-1-b msd Acquired: 5/2/2012 10:38:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05584	1.9346	1.1167	1.8740	2.1138	.04792	F 2.2412	W 546.14	.10815	.49191
Stddev	.00081	.0015	.0036	.0056	.0040	.00009	.0018	.78	.00005	.00054
%RSD	1.4429	.07907	.32446	.29938	.18768	.19709	.08142	.14308	.04354	.11032
#1	.05527	1.9335	1.1192	1.8700	2.1166	.04785	2.2399	546.69	.10812	.49153
#2	.05641	1.9357	1.1141	1.8780	2.1110	.04799	2.2425	545.58	.10818	.49230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21890	.27832	1.0885	75.357	1.2554	273.94	.51775	1.0791	266.10	.48631
Stddev	.00008	.00056	.0018	.130	.0018	.85	.00007	.0030	.91	.00059
%RSD	.03595	.20088	.16390	.17293	.14017	.30929	.01345	.27585	.34082	.12101
#1	.21884	.27793	1.0897	75.449	1.2567	273.35	.51780	1.0770	266.74	.48589
#2	.21895	.27872	1.0872	75.265	1.2542	274.54	.51770	1.0812	265.46	.48672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.005	.47834	F 781.29	.52614	2.2434	17.595	37.654	1.9612	W 11.224	1.0598
Stddev	.006	.00288	.12	.00182	.0026	.062	.132	.0008	.006	.0025
%RSD	.05789	.60290	.01483	.34547	.11572	.35092	.35092	.03851	.05360	.23915
#1	11.000	.47630	781.21	.52742	2.2415	17.551	37.560	1.9607	11.220	1.0580
#2	11.009	.48038	781.38	.52485	2.2452	17.639	37.747	1.9618	11.228	1.0616
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0305	1.8240	2.2940	.52999	.48595	.50682
Stddev	.0035	.0021	.0080	.00118	.00217	.00027
%RSD	.34288	.11738	.34701	.22192	.44757	.05279
#1	1.0280	1.8224	2.2996	.52916	.48441	.50701
#2	1.0330	1.8255	2.2884	.53082	.48749	.50663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2924.8	45712.	5473.8
Stddev	.9	61.	2.1
%RSD	.03176	.13238	.03851
#1	2925.5	45754.	5475.3
#2	2924.1	45669.	5472.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 10:41:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00146	49.653	.00209	.00597	.00060	.00008	W 1.0650	.05058	.00018	.00031	.00057	-.00296
Stddev	.00025	.133	.00090	.00088	.00018	.00006	.0011	.00512	.00014	.00002	.00000	.00010
%RSD	17.399	.26829	42.960	14.777	29.535	80.907	.10362	10.120	80.444	6.8545	.45064	3.2630
#1	-.00164	49.559	.00145	.00660	.00047	.00012	1.0658	.05420	.00008	.00030	.00057	-.00289
#2	-.00128	49.747	.00272	.00535	.00072	.00003	1.0642	.04696	.00028	.00033	.00056	-.00303
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.276	.10136	.00053	-.01103	.00024	.00176	259.44	.00120	.00191	.00011	W 5.2786	-.00181
Stddev	.026	.01173	.00063	.00481	.00003	.00026	.66	.00028	.00279	.00111	.0103	.00050
%RSD	.05191	11.575	119.58	43.603	13.042	14.646	.25438	23.082	145.84	1029.7	.19496	27.572
#1	49.258	.10966	.00008	-.00763	.00026	.00158	258.98	.00101	-.00006	.00090	5.2713	-.00216
#2	49.294	.09307	.00098	-.01443	.00022	.00194	259.91	.00140	.00388	-.00068	5.2859	-.00146
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00797	.00313	.00670	.00258	.00109	5.2093	.00732	.00240	W 10.862	-.00395	.00209	-.03814
Stddev	.00379	.00337	.00721	.00078	.00005	.0067	.00010	.00002	.005	.00007	.00031	.00198
%RSD	47.552	107.62	107.62	30.286	4.5086	.12835	1.3584	1.0221	.04432	1.6956	14.944	5.1941
#1	.01065	.00075	.00160	.00314	.00106	5.2045	.00725	.00238	10.865	-.00390	.00231	-.03674
#2	.00529	.00551	.01179	.00203	.00113	5.2140	.00739	.00242	10.859	-.00399	.00187	-.03954
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3296.8	50561.	5676.1
Stddev	.4	113.	26.1
%RSD	.01074	.22405	.45972
#1	3296.6	50641.	5694.6
#2	3297.1	50481.	5657.7

Sample Name: CCV-1390955 Acquired: 5/2/2012 10:43:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51021	.49825	1.0050	.50086	.50770	.47477	-.00109	4.7745	.51027	.50554	.50707	.52436	2.4305
Stddev	.00018	.00105	.0089	.00096	.00146	.00023	.00415	.0020	.00018	.00109	.00045	.00087	.0050
%RSD	.03583	.21172	.88144	.19185	.28680	.04789	380.83	.04113	.03545	.21637	.08959	.16659	.20725
#1	.51008	.49750	1.0113	.50154	.50873	.47493	.00184	4.7759	.51014	.50631	.50675	.52374	2.4340
#2	.51034	.49899	.99876	.50018	.50667	.47461	-.00402	4.7731	.51040	.50477	.50739	.52497	2.4269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.452	.99960	19.534	.50419	.50673	5.0434	.50326	.97665	1.0308	.06231	1.0016	1.0251	4.7027
Stddev	.138	.00510	.075	.00044	.00158	.0171	.00005	.00140	.0005	.00651	.0010	.0015	.0026
%RSD	.27398	.51010	.38386	.08665	.31205	.33877	.00996	.14318	.04556	10.454	.09784	.14915	.05598
#1	50.550	1.0032	19.587	.50450	.50785	5.0555	.50322	.97566	1.0304	.06691	1.0009	1.0240	4.7008
#2	50.355	.99599	19.481	.50389	.50562	5.0313	.50329	.97764	1.0311	.05770	1.0023	1.0262	4.7046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.064	.99990	.50085	.00004	.49627	1.0280	.03751	.50232	.49660	.49902
Stddev	.006	.00570	.00089	.00135	.00040	.0017	.00742	.00090	.00142	.00077
%RSD	.05598	.56999	.17751	3394.0	.08059	.16731	19.789	.17992	.28605	.15519
#1	10.060	1.0039	.50148	-.00092	.49599	1.0292	.04276	.50296	.49560	.49848
#2	10.068	.99587	.50022	.00100	.49655	1.0267	.03226	.50168	.49761	.49957
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3369.9	52151.	5718.8
Stddev	4.6	62.	.6
%RSD	.13575	.11930	.01053
#1	3366.7	52195.	5718.4
#2	3373.2	52107.	5719.3

Sample Name: CCB Acquired: 5/2/2012 10:45:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.00034	-.00242	.00244	.00004	.00006	-.00287	.00685	.00025	-.00015	.00009	-.00101
Stddev	.00014	.00014	.00425	.00020	.00008	.00001	.00148	.00030	.00005	.00005	.00002	.00005
%RSD	107.28	42.827	175.45	8.1525	197.32	10.069	51.612	4.3219	19.421	35.057	23.469	4.6301
#1	-.00024	.00024	.00058	.00258	-.00002	.00006	-.00392	.00706	.00028	-.00011	.00011	-.00098
#2	-.00003	.00044	-.00542	.00230	.00010	.00006	-.00182	.00664	.00021	-.00019	.00008	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.06191	W .00308	.00289	.00005	.00085	W .14063	-.00054	.00006	-.00090	.07026	-.00169
Stddev	.00085	.04661	.00039	.00056	.00004	.00022	.01945	.00027	.00079	.00086	.00771	.00014
%RSD	174.66	75.281	12.554	19.561	81.073	25.993	13.834	49.185	1267.2	96.447	10.968	8.4741
#1	-.00011	.02896	.00335	.00249	.00008	.00069	.12687	-.00035	-.00050	-.00029	.07571	-.00179
#2	.00109	.09487	.00281	.00329	.00002	.00100	.15438	-.00073	.00062	-.00151	.06481	-.00159
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	-.01888	-.04041	.00147	.00009	.00050	.00013	.00113	.00787	-.00049	.00209	.00023
Stddev	.00181	.00271	.00580	.00027	.00014	.00081	.00006	.00376	.02430	.00043	.00015	.00185
%RSD	499.48	14.347	14.347	18.494	146.19	161.24	50.236	331.88	308.67	87.840	7.4087	799.09
#1	-.00164	-.01697	-.03631	.00167	.00000	-.00007	.00018	.00379	.02505	-.00080	.00220	-.00108
#2	.00092	-.02080	-.04451	.00128	.00019	.00108	.00008	-.00153	-.00931	-.00019	.00198	.00154
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3373.8	53012.	5632.5
Stddev	4.7	112.	57.5
%RSD	.13992	.21062	1.0200
#1	3377.1	53091.	5673.1
#2	3370.5	52933.	5591.9

Sample Name: CCVL1390952 Acquired: 5/2/2012 10:48:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01113	.10591	.01149	.10389	.01076	.00104	.12200	.20549	.00530	.01051	.01070	.01557	.10096
Stddev	.00023	.00084	.00227	.00097	.00022	.00004	.00284	.00048	.00014	.00002	.00016	.00009	.00017
%RSD	2.0426	.79681	19.773	.93499	2.0004	3.8689	2.3313	.23296	2.6769	.21929	1.4567	.58397	.16430
#1	.01097	.10651	.00988	.10458	.01091	.00101	.11999	.20583	.00540	.01050	.01059	.01551	.10085
#2	.01129	.10531	.01309	.10321	.01061	.00107	.12401	.20515	.00520	.01053	.01081	.01563	.10108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2395	.00997	.21429	.01088	.02107	1.1677	.04219	2.9562	.00996	.04718	F .00478	.01592	.47581
Stddev	.0292	.00062	.00006	.00004	.00017	.0050	.00039	.0034	.00023	.00673	.00232	.00648	.00916
%RSD	.90269	6.2560	.02850	.41157	.82969	.43131	.93103	.11501	2.3221	14.267	48.556	40.717	1.9244
#1	3.2188	.00953	.21425	.01085	.02095	1.1642	.04247	2.9586	.00980	.05194	.00314	.01134	.46933
#2	3.2601	.01041	.21434	.01091	.02120	1.1713	.04191	2.9538	.01013	.04242	.00642	.02050	.48228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0182	.10761	.01059	.01629	.01044	.01797	F .09101	.00982	.02402	.01478
Stddev	.0196	.00052	.00009	.00108	.00029	.00063	.02042	.00010	.00048	.00104
%RSD	1.9244	.48542	.82539	6.6561	2.7311	3.5115	22.439	.99101	2.0050	7.0536
#1	1.0044	.10798	.01065	.01553	.01064	.01752	.10545	.00975	.02368	.01405
#2	1.0321	.10724	.01053	.01706	.01024	.01841	.07657	.00989	.02436	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3471.1	53877.	5770.4
Stddev	3.0	25.	25.8
%RSD	.08555	.04671	.44717
#1	3473.2	53859.	5752.1
#2	3469.0	53894.	5788.6

Sample Name: 280-28193-a-2-a Acquired: 5/2/2012 10:50:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.08457	-.00049	.57030	.01546	.00006	-.00371	462.69	.00130	.00055
Stddev	.00021	.00090	.00112	.00096	.00016	.00004	.00085	4.15	.00029	.00021
%RSD	188.52	1.0697	227.01	.16911	1.0447	70.343	22.812	.89680	22.175	37.585
#1	-.00004	.08521	-.00129	.56962	.01557	.00009	-.00312	465.62	.00150	.00069
#2	.00026	.08393	.00030	.57099	.01534	.00003	-.00431	459.75	.00109	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01314	.01348	.19230	18.090	.18097	193.03	.01539	.04120	185.19	.00457
Stddev	.00036	.00028	.00195	.078	.00031	1.53	.00022	.00021	.14	.00013
%RSD	2.7338	2.0741	1.0124	.43215	.17326	.79483	1.4195	.51267	.07337	2.8395
#1	.01289	.01367	.19092	18.145	.18075	191.94	.01524	.04135	185.29	.00466
#2	.01340	.01328	.19367	18.035	.18120	194.11	.01555	.04105	185.09	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02350	.00003	F 720.08	.00029	.00844	9.7483	20.861	.00121	W 11.146	-.00143
Stddev	.00064	.00087	1.10	.00189	.00226	.0005	.001	.00032	.053	.00084
%RSD	2.7271	3142.4	.15318	642.59	26.735	.00481	.00481	26.609	.47825	58.459
#1	.02395	.00064	719.30	.00163	.01003	9.7486	20.862	.00098	11.184	-.00203
#2	.02305	-.00059	720.86	-.00104	.00684	9.7480	20.861	.00144	11.109	-.00084
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00224	.00192	.02433	.00214	.00648	.00048
Stddev	.00008	.00137	.00083	.00026	.00031	.00119
%RSD	3.3688	71.493	3.4006	12.216	4.7193	248.05
#1	.00219	.00095	.02491	.00195	.00626	.00132
#2	.00230	.00289	.02374	.00232	.00669	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2998.4	46832.	5557.4
Stddev	2.5	358.	53.1
%RSD	.08229	.76388	.95619
#1	3000.2	47085.	5519.8
#2	2996.7	46579.	5595.0

Sample Name: 280-28193-a-3-a Acquired: 5/2/2012 10:53:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.30334	-.00094	.77794	.02377	.00010	-.00623	W 601.02	.00131	.00017
Stddev	.00012	.00131	.00055	.00060	.00013	.00006	.00205	11.47	.00002	.00028
%RSD	591.55	.43172	58.832	.07698	.52800	65.659	32.927	1.9077	1.5351	161.91
#1	-.00007	.30426	-.00133	.77752	.02386	.00014	-.00478	592.91	.00133	-.00002
#2	.00011	.30241	-.00055	.77836	.02368	.00005	-.00768	609.13	.00130	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01429	.00537	.11709	19.194	.19183	215.40	.01060	.03621	192.37	.00102
Stddev	.00026	.00015	.00461	.015	.00088	.83	.00006	.00045	.39	.00007
%RSD	1.7963	2.7572	3.9415	.07788	.45843	.38673	.57785	1.2458	.20021	7.1175
#1	.01447	.00547	.12035	19.183	.19245	215.99	.01065	.03589	192.64	.00107
#2	.01411	.00526	.11382	19.204	.19121	214.81	.01056	.03653	192.10	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01837	-.00113	F 764.91	-.00519	.00456	8.0338	17.192	.00149	W 11.930	-.00011
Stddev	.00231	.00246	.53	.00206	.00064	.0207	.044	.00028	.030	.00319
%RSD	12.590	217.74	.06872	39.761	14.080	.25778	.25778	18.688	.24926	2792.9
#1	.01673	-.00287	764.53	-.00665	.00411	8.0191	17.161	.00168	11.909	.00214
#2	.02000	.00061	765.28	-.00373	.00501	8.0484	17.224	.00129	11.951	-.00237
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00427	.00109	.01378	.00199	.00961	.00111
Stddev	.00018	.00009	.00859	.00047	.00007	.00260
%RSD	4.3218	7.9811	62.367	23.759	.74561	233.16
#1	.00440	.00102	.00770	.00166	.00956	.00295
#2	.00414	.00115	.01986	.00233	.00966	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2953.7	46016.	5517.7
Stddev	9.2	82.	32.0
%RSD	.31206	.17884	.58056
#1	2947.2	45957.	5540.4
#2	2960.2	46074.	5495.1

Sample Name: 280-28193-a-4-a Acquired: 5/2/2012 10:56:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00397	-.00499	3.7186	.04045	.00008	-.00411	W 519.68	.00117	-.00047
Stddev	.00028	.00089	.00183	.0068	.00020	.00003	.00148	2.28	.00014	.00033
%RSD	223.79	22.432	36.744	.18283	.48477	39.886	36.043	.43885	11.916	70.392
#1	-.00007	.00334	-.00629	3.7234	.04032	.00006	-.00306	521.29	.00127	-.00024
#2	.00032	.00460	-.00370	3.7138	.04059	.00010	-.00515	518.07	.00108	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.00051	.03435	56.152	.56481	263.75	.29331	.00049	327.66	-.00134
Stddev	.00008	.00050	.00126	.244	.00054	1.16	.00004	.00014	.88	.00008
%RSD	8.6670	98.173	3.6578	.43435	.09560	.43987	.01423	27.855	.26736	5.9106
#1	.00092	.00086	.03346	56.324	.56519	264.57	.29328	.00039	328.28	-.00128
#2	.00104	.00015	.03524	55.979	.56443	262.93	.29334	.00058	327.04	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18592	-.00016	F 786.49	.00290	.00643	8.2125	17.575	.00179	W 10.518	-.00093
Stddev	.00042	.00137	1.43	.00305	.00198	.0222	.048	.00086	.112	.00313
%RSD	.22396	835.44	.18122	105.28	30.865	.27085	.27085	47.842	1.0618	338.27
#1	.18563	.00081	787.50	.00074	.00783	8.2282	17.608	.00239	10.439	.00129
#2	.18622	-.00113	785.48	.00505	.00502	8.1968	17.541	.00118	10.597	-.00314
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00212	.00830	.00080	.00785	-.00002
Stddev	.00004	.00202	.00825	.00026	.00034	.00006
%RSD	8.2634	95.261	99.364	31.955	4.3587	283.50
#1	.00053	.00355	.01414	.00099	.00809	-.00006
#2	.00047	.00069	.00247	.00062	.00760	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2952.6	45637.	5522.7
Stddev	9.5	26.	4.7
%RSD	.32188	.05592	.08547
#1	2945.9	45619.	5519.4
#2	2959.3	45655.	5526.1

Sample Name: 280-28193-a-6-a Acquired: 5/2/2012 10:58:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.01855	.00431	W 11.299	.04893	.00001	-.00312	W 530.50	.00099	-.00058
Stddev	.00037	.00060	.00374	.008	.00038	.00000	.00281	1.08	.00016	.00011
%RSD	250.35	3.2185	86.926	.07038	.78311	31.995	89.849	.20448	16.470	18.781
#1	-.00011	.01813	.00695	11.293	.04866	.00001	-.00511	531.26	.00087	-.00050
#2	.00041	.01898	.00166	11.304	.04920	.00002	-.00114	529.73	.00110	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00129	.00144	.03612	83.865	W 2.7109	103.15	.34969	.07135	W 2187.4	.00182
Stddev	.00019	.00024	.00107	.035	.0051	.23	.00088	.00022	5.6	.00056
%RSD	15.045	16.454	2.9634	.04150	.18862	.22576	.25121	.31484	.25488	30.877
#1	.00115	.00161	.03687	83.840	2.7145	102.99	.34907	.07120	2191.3	.00222
#2	.00143	.00127	.03536	83.890	2.7073	103.32	.35031	.07151	2183.5	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11530	-.00031	F 1206.8	.01196	.00829	6.1572	13.176	.00051	W 10.854	-.00093
Stddev	.00045	.00082	1.4	.00035	.00149	.0055	.012	.00199	.013	.00122
%RSD	.39199	264.55	.11855	2.9365	17.933	.08868	.08868	393.65	.11566	131.03
#1	.11562	-.00088	1207.8	.01171	.00724	6.1611	13.185	.00191	10.846	-.00007
#2	.11498	.00027	1205.8	.01221	.00935	6.1533	13.168	-.00090	10.863	-.00180
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00179	.00119	-.00194	.00017	.01060	-.00108
Stddev	.00004	.00006	.01104	.00044	.00027	.00076
%RSD	2.1426	5.0377	568.61	266.08	2.5403	69.889
#1	.00176	.00124	.00586	.00048	.01041	-.00162
#2	.00182	.00115	-.00975	-.00015	.01080	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2794.3	42391.	5402.4
Stddev	5.4	118.	51.5
%RSD	.19423	.27727	.95262
#1	2790.5	42474.	5366.0
#2	2798.1	42307.	5438.8

Sample Name: 280-28193-a-7-a Acquired: 5/2/2012 11:01:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.00428	-.00313	W 14.333	.02301	.00011	-.00447	W 501.02	.00110	-.00040
Stddev	.00031	.00052	.00502	.032	.00004	.00003	.00290	9.62	.00001	.00035
%RSD	128.70	12.054	160.42	.22099	.18117	29.959	65.027	1.9210	1.0122	88.207
#1	-.00046	.00392	-.00668	14.311	.02298	.00013	-.00241	494.22	.00109	-.00065
#2	-.00002	.00465	.00042	14.355	.02304	.00009	-.00652	507.83	.00110	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.00114	.03352	66.060	W 2.7849	252.03	1.0333	.02399	W 2008.2	-.00097
Stddev	.00009	.00034	.00040	.290	.0146	.57	.0029	.00054	10.7	.00012
%RSD	13.902	29.792	1.1927	.43889	.52572	.22682	.28508	2.2608	.53422	12.816
#1	.00060	.00138	.03380	65.855	2.7745	252.43	1.0353	.02361	2000.6	-.00089
#2	.00074	.00090	.03324	66.265	2.7952	251.63	1.0312	.02438	2015.8	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08877	-.00041	F 1279.4	-.00101	.00633	8.6437	18.498	-.00001	W 10.590	.00229
Stddev	.00755	.00092	2.8	.00137	.00353	.0717	.153	.00054	.177	.00007
%RSD	8.5042	223.74	.21760	136.13	55.742	.82917	.82917	5549.3	1.6742	2.8805
#1	.08343	.00024	1277.4	-.00198	.00383	8.5931	18.389	-.00039	10.464	.00225
#2	.09411	-.00106	1281.4	-.00004	.00882	8.6944	18.606	.00037	10.715	.00234
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00273	-.01949	.00015	.00791	.00035
Stddev	.00009	.00012	.02543	.00002	.00111	.00155
%RSD	19.636	4.5509	130.47	13.257	14.058	443.43
#1	.00051	.00282	-.03748	.00016	.00712	.00145
#2	.00038	.00264	-.00151	.00013	.00869	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2759.4	41860.	5344.6
Stddev	2.5	56.	37.8
%RSD	.09062	.13339	.70783
#1	2761.2	41900.	5371.3
#2	2757.7	41821.	5317.8

Sample Name: 280-28193-a-8-a Acquired: 5/2/2012 11:04:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.01771	-.00351	.90903	.01084	.00008	-.00844	W 525.77	.00118	-.00003
Stddev	.00021	.00031	.00157	.00605	.00015	.00011	.00283	3.74	.00011	.00002
%RSD	38.586	1.7635	44.815	.66568	1.4215	145.45	33.545	.71139	9.0274	80.521
#1	.00068	.01749	-.00240	.91331	.01095	.00000	-.00644	528.41	.00110	-.00004
#2	.00039	.01793	-.00462	.90475	.01073	.00016	-.01045	523.12	.00125	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02164	.01518	.10537	21.528	.26084	217.80	.00156	.03112	248.02	.00153
Stddev	.00070	.00011	.00224	.090	.00424	1.69	.00003	.00001	1.43	.00026
%RSD	3.2169	.71765	2.1230	.41771	1.6258	.77774	2.0528	.03324	.57548	17.236
#1	.02115	.01511	.10695	21.592	.26384	219.00	.00154	.03111	249.02	.00172
#2	.02213	.01526	.10379	21.464	.25784	216.61	.00158	.03113	247.01	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00767	-.00047	F 781.11	-.00062	.00850	10.679	22.852	.00065	W 11.811	-.00022
Stddev	.00098	.00021	2.80	.00086	.00073	.078	.166	.00055	.075	.00006
%RSD	12.722	44.680	.35863	138.89	8.5579	.72660	.72660	85.230	.63398	26.694
#1	.00698	-.00062	783.09	-.00123	.00798	10.734	22.970	.00026	11.864	-.00017
#2	.00836	-.00032	779.13	-.00001	.00901	10.624	22.735	.00104	11.758	-.00026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00087	.00002	.00431	.00208	.00438	.00083
Stddev	.00008	.00020	.01411	.00005	.00032	.00022
%RSD	9.0805	1328.6	327.36	2.3525	7.3236	26.376
#1	.00081	.00016	-.00567	.00211	.00416	.00067
#2	.00092	-.00013	.01429	.00204	.00461	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2968.9	45940.	5473.1
Stddev	2.0	180.	28.7
%RSD	.06891	.39246	.52502
#1	2967.5	45813.	5452.8
#2	2970.4	46068.	5493.5

Sample Name: 280-28193-a-9-a Acquired: 5/2/2012 11:06:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00129	.00378	W 23.643	.01734	.00007	-.00251	W 512.86	.00117	-.00038
Stddev	.00018	.00063	.00191	.037	.00014	.00003	.00069	4.28	.00011	.00011
%RSD	468.05	48.928	50.666	.15444	.81935	38.382	27.566	.83367	9.7584	28.826
#1	-.00009	-.00174	.00513	23.617	.01744	.00005	-.00202	515.88	.00109	-.00030
#2	.00017	-.00084	.00242	23.669	.01724	.00008	-.00299	509.83	.00125	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.00082	.21448	72.972	W 6.1985	281.14	.89232	.00785	W 4374.3	-.00058
Stddev	.00000	.00031	.00038	.292	.0046	1.50	.00364	.00065	4.0	.00029
%RSD	.28271	37.203	.17661	.40006	.07457	.53247	.40766	8.2445	.09173	50.218
#1	.00057	.00104	.21474	72.766	6.2018	282.19	.89490	.00739	4371.4	-.00038
#2	.00057	.00061	.21421	73.179	6.1952	280.08	.88975	.00831	4377.1	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16706	-.00131	F 1738.7	-.00190	.00617	9.5591	20.457	-.00089	W 11.621	-.00029
Stddev	.00367	.00360	3.2	.00520	.00375	.0316	.068	.00025	.066	.00159
%RSD	2.1994	276.05	.18453	273.17	60.824	.33100	.33100	28.503	.56358	543.05
#1	.16446	-.00385	1736.5	-.00558	.00882	9.5368	20.409	-.00071	11.668	-.00141
#2	.16966	.00124	1741.0	.00177	.00352	9.5815	20.504	-.00107	11.575	.00083
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00201	-.01061	.00076	.00315	-.00047
Stddev	.00000	.00097	.01744	.00098	.00079	.00069
%RSD	2.4114	48.296	164.28	129.18	25.148	145.21
#1	.00013	.00132	.00172	.00145	.00371	-.00096
#2	.00014	.00270	-.02294	.00007	.00259	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2595.2	39256.	5297.1
Stddev	7.3	105.	8.8
%RSD	.28245	.26655	.16546
#1	2600.4	39182.	5290.9
#2	2590.0	39330.	5303.3

Sample Name: 280-28193-a-11-a Acquired: 5/2/2012 11:09:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00011	.01810	W 28.026	.02491	.00009	-.00538	W 527.18	.00137	-.00067
Stddev	.00014	.00042	.00326	.002	.00014	.00010	.00084	6.11	.00012	.00051
%RSD	101.59	391.86	18.033	.00599	.54869	107.98	15.661	1.1596	8.4573	75.566
#1	-.00004	-.00019	.02041	28.027	.02482	.00002	-.00598	531.50	.00145	-.00103
#2	-.00023	.00041	.01580	28.025	.02501	.00016	-.00479	522.86	.00128	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02603	.00075	.36455	66.156	W 8.5676	232.91	1.1574	.00261	W 6490.7	.00051
Stddev	.00010	.00035	.00551	.139	.0177	1.92	.0019	.00030	2.8	.00018
%RSD	.38567	47.214	1.5121	.21047	.20647	.82472	.16324	11.536	.04256	34.739
#1	.02610	.00100	.36065	66.057	8.5802	234.26	1.1587	.00240	6492.7	.00038
#2	.02596	.00050	.36845	66.254	8.5551	231.55	1.1560	.00283	6488.8	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27550	-.00175	F 2028.5	-.00265	.00618	9.9709	21.338	.00026	W 11.886	-.00354
Stddev	.00102	.00106	2.8	.00180	.00695	.0054	.012	.00017	.021	.00045
%RSD	.37094	60.494	.13956	67.968	112.48	.05446	.05446	65.803	.17969	12.723
#1	.27477	-.00100	2030.5	-.00393	.01110	9.9671	21.330	.00014	11.901	-.00322
#2	.27622	-.00250	2026.5	-.00138	.00126	9.9748	21.346	.00039	11.871	-.00386
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00271	-.01758	.00062	.01146	-.00169
Stddev	.00001	.00122	.01094	.00023	.00077	.00131
%RSD	1.6860	45.011	62.247	37.551	6.7186	77.565
#1	.00079	.00185	-.02532	.00079	.01091	-.00262
#2	.00081	.00358	-.00984	.00046	.01200	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2481.5	37613.	5164.3
Stddev	4.5	28.	7.6
%RSD	.18107	.07492	.14774
#1	2478.3	37593.	5158.9
#2	2484.7	37633.	5169.7

Sample Name: CCVH-1390999 Acquired: 5/2/2012 11:12:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00150	49.520	.00139	.05320	.00060	.00001	1.0495	.04528	.00003	.00037	.00036	-.00445
Stddev	.00038	.099	.00414	.00454	.00014	.00005	.0006	.00414	.00021	.00039	.00032	.00003
%RSD	25.101	.19942	298.54	8.5404	23.868	392.70	.05341	9.1428	713.86	107.61	88.849	.71214
#1	-.00124	49.590	.00431	.05641	.00050	-.00002	1.0491	.04821	-.00012	.00064	.00013	-.00443
#2	-.00177	49.450	-.00154	.04999	.00070	.00005	1.0499	.04236	.00018	.00009	.00058	-.00447
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.470	.37582	.00213	-.00952	.00014	.00088	259.85	.00163	.00359	-.00189	W 5.4112	-.00392
Stddev	.230	.07093	.00079	.00475	.00006	.00020	.91	.00031	.00476	.00075	.0123	.00051
%RSD	.46505	18.874	37.079	49.880	41.446	23.231	.35040	19.149	132.79	39.497	.22742	13.099
#1	49.633	.42598	.00157	-.01288	.00010	.00073	260.50	.00141	.00695	-.00136	5.4025	-.00429
#2	49.308	.32566	.00269	-.00616	.00018	.00102	259.21	.00185	.00022	-.00242	5.4199	-.00356
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00528	-.01270	-.02717	.00194	.00121	W 5.2602	.00769	.00061	W 10.887	-.00469	.00201	-.04481
Stddev	.00008	.00344	.00737	.00071	.00004	.0091	.00018	.00009	.057	.00015	.00033	.00047
%RSD	1.4755	27.127	27.127	36.652	3.1944	.17301	2.2781	14.363	.52157	3.2662	16.471	1.0546
#1	.00533	-.01026	-.02196	.00143	.00124	5.2537	.00757	.00068	10.847	-.00479	.00177	-.04448
#2	.00522	-.01513	-.03239	.00244	.00118	5.2666	.00782	.00055	10.927	-.00458	.00224	-.04515
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3293.0	50032.	5580.5
Stddev	2.3	10.	49.7
%RSD	.06955	.01974	.89129
#1	3291.4	50039.	5545.3
#2	3294.6	50025.	5615.7

Sample Name: CCV-1390955 Acquired: 5/2/2012 11:14:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52228	.50795	1.0334	.52916	.51376	.47832	.00073	4.8220	.51216	.51272	.51528	.53636	2.4989	51.475
Stddev	.00186	.00119	.0055	.00021	.00025	.00054	.00341	.0238	.00132	.00033	.00027	.00435	.0013	.063
%RSD	.35543	.23460	.53204	.04056	.04935	.11267	463.83	.49295	.25701	.06427	.05264	.81115	.05146	.12311
#1	.52359	.50880	1.0295	.52931	.51358	.47870	.00314	4.8388	.51123	.51295	.51509	.53944	2.4980	51.520
#2	.52096	.50711	1.0372	.52901	.51394	.47794	-.00167	4.8052	.51309	.51248	.51547	.53329	2.4998	51.430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0014	20.191	.52087	.51271	5.4377	.51057	.98390	1.0504	.15753	1.0050	1.0328	4.7647	10.196	1.0258
Stddev	.0016	.045	.00141	.00117	.0200	.00064	.00400	.0012	.00249	.0056	.0045	.0151	.032	.0012
%RSD	.15897	.22362	.27110	.22874	.36764	.12494	.40687	.11621	1.5776	.55909	.43277	.31600	.31600	.11337
#1	1.0025	20.223	.52187	.51353	5.4519	.51012	.98673	1.0512	.15577	1.0010	1.0360	4.7754	10.219	1.0250
#2	1.0002	20.159	.51987	.51188	5.4236	.51102	.98107	1.0495	.15928	1.0090	1.0297	4.7541	10.174	1.0266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50691	.00187	.50744	1.0432	.00308	.51604	.51837	.50949
Stddev	.00054	.00070	.00167	.0022	.00127	.00112	.00201	.00017
%RSD	.10593	37.210	.32877	.21130	41.401	.21683	.38783	.03243
#1	.50728	.00138	.50862	1.0448	.00398	.51683	.51980	.50961
#2	.50653	.00236	.50626	1.0416	.00218	.51524	.51695	.50938
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3356.6	51357.	5624.6
Stddev	2.0	112.	57.9
%RSD	.06064	.21888	1.0287
#1	3355.1	51437.	5583.7
#2	3358.0	51278.	5665.6

Sample Name: CCB Acquired: 5/2/2012 11:16:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00029	W -.00522	F .02351	.00021	.00005	-.00185	.00243	.00018	.00001	-.00004
Stddev	.00002	.00058	.00205	.00116	.00018	.00004	.00281	.00076	.00008	.00021	.00001
%RSD	4.0974	201.33	39.179	4.9392	85.678	78.269	151.30	31.433	46.479	2954.0	38.319
#1	.00041	-.00012	-.00377	.02433	.00008	.00002	.00013	.00189	.00023	-.00014	-.00005
#2	.00043	.00070	-.00667	.02269	.00034	.00008	-.00384	.00297	.00012	.00016	-.00003
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441	.00700							
Low Limit			-.00441	-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00123	.00022	.14173	.00147	.00078	.00011	.00094	F .42531	-.00042	.00182	.00089
Stddev	.00001	.00091	.02571	.00033	.00204	.00002	.00048	.01279	.00020	.00113	.00156
%RSD	1.0188	405.04	18.141	22.150	262.45	18.143	50.703	3.0066	47.838	61.962	175.73
#1	-.00122	-.00042	.15991	.00170	-.00067	.00012	.00060	.43435	-.00028	.00102	-.00022
#2	-.00123	.00086	.12355	.00124	.00222	.00009	.00128	.41626	-.00056	.00262	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18238	-.00228	.00087	-.01950	-.04173	.00137	.00004	.00189	.00000	.00047	.02154
Stddev	.00740	.00083	.00215	.00693	.01482	.00034	.00007	.00067	.00003	.00137	.01448
%RSD	4.0564	36.621	247.65	35.520	35.520	25.007	186.87	35.319	1018.2	293.35	67.228
#1	.18761	-.00286	.00239	-.01460	-.03125	.00113	.00009	.00237	-.00002	.00144	.03177
#2	.17715	-.00169	-.00065	-.02440	-.05221	.00161	-.00001	.00142	.00002	-.00050	.01130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00051	.00253	-.00073
Stddev	.00017	.00056	.00022
%RSD	33.180	22.152	30.824
#1	-.00039	.00214	-.00089
#2	-.00063	.00293	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3351.3	52040.	5514.1
Stddev	5.6	120.	39.0
%RSD	.16839	.23114	.70816
#1	3355.3	51955.	5486.5
#2	3347.3	52125.	5541.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 11:19:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01131	.10728	.01117	.12209	.01065	.00106	.12209	.19738	.00538	.01084	.01057	.01555	.10167
Stddev	.00028	.00043	.00612	.00165	.00010	.00012	.00041	.00004	.00008	.00008	.00008	.00025	.00017
%RSD	2.4397	.39984	54.832	1.3497	.90416	11.106	.33918	.01911	1.4960	.77522	.71779	1.6161	.16987
#1	.01111	.10698	.01550	.12326	.01072	.00097	.12180	.19736	.00532	.01090	.01062	.01537	.10180
#2	.01150	.10759	.00684	.12093	.01059	.00114	.12239	.19741	.00544	.01078	.01051	.01573	.10155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.3087	.01213	.21363	.01089	.02110	F 1.3850	.04250	2.9708	.00945	.11043	.00827	.01518	.48374
Stddev	.0366	.00082	.00084	.00000	.00019	.0060	.00003	.0002	.00013	.00087	.00089	.00075	.02021
%RSD	1.1069	6.7700	.39276	.01047	.87735	.43696	.06444	.00681	1.3614	.78708	10.754	4.9470	4.1777
#1	3.3346	.01271	.21422	.01089	.02096	1.3807	.04248	2.9707	.00936	.11105	.00764	.01571	.46945
#2	3.2828	.01155	.21303	.01089	.02123	1.3892	.04252	2.9710	.00954	.10982	.00889	.01465	.49803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0352	.10891	.01047	.01479	.01048	.01852	F .10266	.00972	.02355	.01615
Stddev	.0432	.00099	.00009	.00071	.00045	.00136	.01304	.00006	.00081	.00034
%RSD	4.1777	.91031	.86022	4.7849	4.2535	7.3311	12.705	.58458	3.4431	2.1367
#1	1.0046	.10961	.01040	.01429	.01017	.01756	.11188	.00968	.02413	.01590
#2	1.0658	.10821	.01053	.01529	.01080	.01948	.09343	.00976	.02298	.01639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3440.6	53524.	5666.4
Stddev	12.2	384.	10.2
%RSD	.35547	.71787	.18060
#1	3449.3	53795.	5673.7
#2	3432.0	53252.	5659.2

Sample Name: 28017-1 Acquired: 5/2/2012 11:21:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.01718	.00104	.65063	.57271	.00012	.00301	161.93	.00040	.00022
Stddev	.00000	.00026	.00062	.00230	.00048	.00001	.00032	.15	.00006	.00004
%RSD	1.0395	1.5387	59.388	.35332	.08444	9.3786	10.510	.09049	14.732	16.088
#1	.00027	.01736	.00060	.65225	.57237	.00013	.00278	162.04	.00036	.00024
#2	.00028	.01699	.00148	.64900	.57305	.00011	.00323	161.83	.00045	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00099	.00257	48.076	13.073	.05968	37.705	1.4475	.00008	117.47	.00392
Stddev	.00014	.00010	.062	.056	.00010	.058	.0019	.00002	.55	.00065
%RSD	13.909	3.7861	.12976	.42647	.16529	.15501	.12865	18.729	.46843	16.540
#1	.00090	.00250	48.120	13.033	.05961	37.664	1.4462	.00007	117.08	.00346
#2	.00109	.00263	48.031	13.112	.05975	37.747	1.4488	.00009	117.86	.00438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.7106	-.00124	22.981	-.00572	.00347	26.429	56.558	-.00092	.52826	-.00031
Stddev	.0287	.00095	.050	.00213	.00251	.043	.091	.00118	.00071	.00003
%RSD	.60883	76.939	.21719	37.190	72.138	.16089	.16089	128.86	.13456	11.066
#1	4.7308	-.00192	23.016	-.00723	.00525	26.399	56.493	-.00175	.52775	-.00028
#2	4.6903	-.00057	22.946	-.00422	.00170	26.459	56.622	-.00008	.52876	-.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00069	.00313	-.00803	.00107	.00454	.00150
Stddev	.00027	.00099	.00906	.00023	.00020	.00034
%RSD	38.997	31.529	112.86	21.516	4.3283	22.405
#1	.00050	.00383	-.01444	.00123	.00441	.00126
#2	.00089	.00243	-.00162	.00091	.00468	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3295.8	50432.	5684.7
Stddev	4.8	62.	48.3
%RSD	.14528	.12233	.84970
#1	3292.4	50476.	5718.9
#2	3299.2	50389.	5650.5

Sample Name: 28017-2 Acquired: 5/2/2012 11:24:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00988	.00663	.25723	.27565	.00004	.00248	117.96	.00039	.00023
Stddev	.00026	.00002	.00055	.00038	.00085	.00004	.00426	.49	.00016	.00007
%RSD	147.09	.24471	8.2692	.14841	.30901	81.812	171.40	.41461	41.987	29.116
#1	-.00001	.00990	.00625	.25750	.27504	.00007	-.00053	117.61	.00050	.00028
#2	.00036	.00987	.00702	.25696	.27625	.00002	.00549	118.30	.00027	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00263	15.622	9.1770	.03226	35.132	.49513	.00033	47.685	.00212
Stddev	.00001	.00035	.058	.0185	.00070	.016	.00016	.00063	.040	.00040
%RSD	2.3004	13.350	.37293	.20135	2.1655	.04528	.03192	187.48	.08466	18.742
#1	.00037	.00239	15.581	9.1900	.03275	35.143	.49525	-.00011	47.713	.00240
#2	.00036	.00288	15.663	9.1639	.03176	35.121	.49502	.00078	47.656	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0144	.00125	21.686	-.00336	.00135	18.846	40.331	-.00012	.46946	.00095
Stddev	.0022	.00006	.030	.00027	.00957	.042	.091	.00015	.00164	.00094
%RSD	.21838	4.4274	.13917	8.1032	707.26	.22491	.22491	131.04	.35016	98.657
#1	1.0160	.00129	21.707	-.00317	.00812	18.816	40.267	-.00023	.46829	.00029
#2	1.0128	.00121	21.664	-.00355	-.00541	18.876	40.395	-.00001	.47062	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00359	.00178	.00016	.00757	-.00164
Stddev	.00038	.00124	.00240	.00026	.00018	.00142
%RSD	91.986	34.450	134.56	163.47	2.4380	86.852
#1	.00068	.00447	.00348	.00034	.00744	-.00063
#2	.00014	.00272	.00009	-.00002	.00770	-.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3314.6	50981.	5711.0
Stddev	8.2	32.	24.5
%RSD	.24795	.06277	.42919
#1	3320.4	50958.	5728.4
#2	3308.8	51003.	5693.7

Sample Name: 28017-2 DISS Acquired: 5/2/2012 11:26:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.00593	.00966	.25335	.25982	.00016	.00386	117.32	.00032	.00016
Stddev	.00036	.00057	.00695	.00057	.00096	.00004	.00212	.54	.00006	.00006
%RSD	78.952	9.6542	71.965	.22466	.36858	28.251	54.960	.46408	18.419	39.260
#1	.00072	.00633	.01458	.25295	.26049	.00012	.00536	117.71	.00028	.00020
#2	.00020	.00552	.00475	.25376	.25914	.00019	.00236	116.94	.00036	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00061	15.053	9.1284	.03316	34.662	.47600	.00042	47.546	.00183
Stddev	.00025	.00021	.012	.0444	.00131	.097	.00146	.00002	.447	.00005
%RSD	83.640	33.827	.08213	.48672	3.9562	.27982	.30696	5.8013	.93931	2.6038
#1	.00012	.00046	15.062	9.1598	.03224	34.731	.47704	.00044	47.862	.00187
#2	.00047	.00075	15.044	9.0970	.03409	34.594	.47497	.00040	47.230	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94785	-.00006	21.376	-.00443	-.00340	18.798	40.227	-.00118	.46610	-.00010
Stddev	.00174	.00006	.016	.00040	.00352	.197	.422	.00017	.00024	.00130
%RSD	.18385	96.750	.07433	8.9223	103.62	1.0494	1.0494	13.954	.05113	1250.8
#1	.94662	-.00010	21.387	-.00471	-.00589	18.937	40.526	-.00130	.46594	.00082
#2	.94908	-.00002	21.365	-.00415	-.00091	18.658	39.929	-.00107	.46627	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00228	-.00454	.00067	.00247	-.00049
Stddev	.00005	.00035	.00162	.00007	.00055	.00029
%RSD	13.892	15.321	35.690	11.226	22.355	59.534
#1	.00034	.00253	-.00569	.00061	.00287	-.00070
#2	.00042	.00203	-.00340	.00072	.00208	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3306.2	51075.	5668.2
Stddev	4.2	24.	10.4
%RSD	.12707	.04710	.18331
#1	3309.2	51058.	5660.8
#2	3303.3	51092.	5675.5

Sample Name: 28017-2 Acquired: 5/2/2012 11:28:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00907	.00078	.27825	.24562	.00015	.00094	142.12	.00036	.00014
Stddev	.00058	.00103	.00031	.00053	.00064	.00010	.00295	.47	.00001	.00009
%RSD	136.99	11.366	39.914	.19108	.26179	62.558	314.57	.33138	3.9405	63.466
#1	.00001	.00834	.00099	.27787	.24607	.00008	-.00115	142.46	.00037	.00008
#2	.00083	.00979	.00056	.27863	.24516	.00022	.00302	141.79	.00035	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00118	22.930	7.4252	.04320	35.561	1.0056	.00076	70.657	.00274
Stddev	.00024	.00026	.128	.0303	.00084	.128	.0027	.00025	.291	.00051
%RSD	67.963	22.435	.55653	.40881	1.9527	.36027	.27215	32.905	.41219	18.645
#1	.00019	.00099	23.020	7.4466	.04260	35.470	1.0037	.00094	70.863	.00310
#2	.00053	.00137	22.840	7.4037	.04379	35.651	1.0075	.00058	70.451	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5541	-.00105	15.547	-.00205	.00166	22.688	48.552	-.00150	.45597	.00054
Stddev	.0050	.00047	.019	.00137	.00614	.084	.181	.00037	.00153	.00107
%RSD	.32099	44.883	.12399	67.005	369.67	.37210	.37210	24.355	.33514	200.17
#1	1.5576	-.00139	15.533	-.00301	.00600	22.747	48.679	-.00124	.45705	.00129
#2	1.5506	-.00072	15.561	-.00108	-.00268	22.628	48.424	-.00176	.45489	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00322	-.01880	.00049	.00193	.00102
Stddev	.00030	.00199	.01624	.00056	.00086	.00222
%RSD	239.22	61.749	86.373	115.61	44.727	216.48
#1	.00034	.00462	-.03028	.00009	.00132	.00259
#2	-.00009	.00181	-.00732	.00088	.00254	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3297.4	50686.	5660.5
Stddev	13.6	320.	10.6
%RSD	.41271	.63079	.18681
#1	3307.0	50912.	5668.0
#2	3287.8	50460.	5653.0

Sample Name: 28017-3DISS Acquired: 5/2/2012 11:31:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00692	.00052	.27056	.23343	.00012	-.00068	139.27	.00029	-.00008
Stddev	.00025	.00026	.00227	.00035	.00029	.00003	.00077	.34	.00003	.00016
%RSD	40.315	3.7109	433.34	.12787	.12451	29.140	114.53	.24724	10.515	202.70
#1	.00044	.00711	.00213	.27031	.23363	.00014	-.00013	139.51	.00031	.00003
#2	.00080	.00674	-.00108	.27080	.23322	.00009	-.00122	139.03	.00027	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	.00059	22.078	7.7347	.04130	34.811	1.0034	.00096	69.131	.00275
Stddev	.00000	.00015	.030	.0192	.00197	.006	.0015	.00019	.400	.00007
%RSD	.78485	25.276	.13617	.24879	4.7631	.01720	.14887	19.955	.57911	2.4529
#1	.00055	.00049	22.057	7.7211	.04269	34.806	1.0024	.00109	68.848	.00280
#2	.00056	.00070	22.099	7.7483	.03991	34.815	1.0045	.00082	69.414	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4501	-.00094	15.493	-.00261	-.00077	22.283	47.687	-.00048	.44560	-.00022
Stddev	.0042	.00090	.000	.00264	.00104	.150	.321	.00098	.00133	.00145
%RSD	.28972	96.014	.00162	100.93	135.83	.67269	.67269	202.89	.29874	669.95
#1	1.4471	-.00158	15.492	-.00075	-.00003	22.389	47.913	-.00118	.44466	.00081
#2	1.4531	-.00030	15.493	-.00448	-.00151	22.177	47.460	.00021	.44654	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00315	.00076	.00036	.00155	-.00090
Stddev	.00025	.00163	.03891	.00001	.00002	.00002
%RSD	176.95	51.798	5095.1	3.2412	1.6124	2.0011
#1	-.00003	.00200	-.02675	.00037	.00156	-.00091
#2	.00031	.00431	.02828	.00035	.00153	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3295.1	50646.	5693.0
Stddev	2.7	165.	41.0
%RSD	.08255	.32616	.71939
#1	3297.0	50763.	5722.0
#2	3293.1	50529.	5664.0

Sample Name: 27952-1 Acquired: 5/2/2012 11:33:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.02197	-.00126	.18679	.12776	.00007	.00208	494.21	.00099	.00056
Stddev	.00013	.00022	.00166	.00058	.00007	.00001	.00045	1.16	.00027	.00009
%RSD	30.485	.99316	131.30	.31083	.05545	17.702	21.795	.23501	27.004	15.877
#1	.00052	.02213	-.00244	.18720	.12781	.00008	.00240	495.03	.00080	.00062
#2	.00034	.02182	-.00009	.18638	.12771	.00006	.00176	493.39	.00118	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00083	.00502	65.917	10.397	.05678	148.49	1.2494	-.00002	101.27	.00068
Stddev	.00003	.00023	.064	.011	.00224	.51	.0043	.00089	.31	.00026
%RSD	3.0766	4.5397	.09652	.10808	3.9535	.34603	.33985	5019.6	.31076	38.298
#1	.00081	.00518	65.962	10.405	.05837	148.86	1.2524	-.00065	101.49	.00086
#2	.00084	.00486	65.872	10.389	.05519	148.13	1.2464	.00061	101.05	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.5004	-.00027	F 572.48	-.00200	.00700	19.797	42.365	.00038	1.6825	-.00223
Stddev	.0076	.00090	.84	.00150	.00670	.040	.086	.00004	.0056	.00200
%RSD	.30384	333.97	.14652	74.704	95.691	.20361	.20361	10.991	.33534	89.915
#1	2.5057	-.00090	571.89	-.00306	.01174	19.825	42.426	.00035	1.6865	-.00364
#2	2.4950	.00037	573.07	-.00095	.00226	19.768	42.304	.00041	1.6785	-.00081
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00078	-.01942	.00083	.00398	-.00214
Stddev	.00017	.00123	.02780	.00049	.00039	.00198
%RSD	32.224	157.51	143.13	58.268	9.7825	92.517
#1	.00064	.00165	-.03908	.00049	.00426	-.00074
#2	.00040	-.00009	.00024	.00118	.00371	-.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.2	47774.	5532.9
Stddev	10.8	7.	3.6
%RSD	.35153	.01469	.06542
#1	3084.8	47779.	5535.5
#2	3069.5	47769.	5530.4

Sample Name: 27952-7 Acquired: 5/2/2012 11:35:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.00024	k .07918	k .29719	.62807	.13403	k .00003	k .00496	149.03	k .00133	k .00216
Stddev	.00001	.00017	.00125	.00026	.00004	.00002	.00218	.97	.00026	.00014
%RSD	6.1405	.21897	.42204	.04120	.02761	96.392	44.039	.65210	19.760	6.7097
#1	k -.00023	k .07931	k .29630	.62789	.13405	k .00001	k .00342	148.35	k .00152	k .00226
#2	k -.00025	k .07906	k .29807	.62825	.13400	k .00004	k .00651	149.72	k .00115	k .00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00094	k .00319	k 44.285	15.084	.05078	53.917	k 1.8582	k .00137	89.444	.01400
Stddev	.00003	.00051	.092	.034	.00024	.026	.0012	.00005	.346	.00007
%RSD	2.9421	16.150	.20706	.22700	.48241	.04878	.06659	3.3237	.38658	.49733
#1	k .00096	k .00282	k 44.221	15.059	.05060	53.898	k 1.8590	k .00140	89.200	.01405
#2	k .00092	k .00355	k 44.350	15.108	.05095	53.935	k 1.8573	k .00134	89.689	.01396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.79131	k .00287	k 65.472	k -.00052	kF -.01405	13.940	29.833	k .00018	.62952	k .03824
Stddev	.00956	.00224	.028	.00248	.00382	.110	.235	.00110	.00225	.00060
%RSD	1.2084	78.145	.04324	474.99	27.191	.78897	.78897	602.41	.35722	1.5744
#1	.79808	k .00445	k 65.492	k .00123	k -.01135	13.863	29.666	k .00096	.62793	k .03782
#2	.78455	k .00128	k 65.452	k -.00228	k -.01675	14.018	29.999	k -.00059	.63111	k .03867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00070	k .00492	k .02050	k -.00011	k .01329	k .00008
Stddev	.00025	.00063	.01534	.00003	.00052	.00121
%RSD	35.543	12.794	74.827	27.224	3.9118	1577.6
#1	k .00087	k .00448	k .00966	k -.00009	k .01366	k .00093
#2	k .00052	k .00537	k .03135	k -.00013	k .01292	k -.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3251.1	50383.	5774.6
Stddev	.1	41.	81.9
%RSD	.00210	.08129	1.4177
#1	3251.0	50412.	5832.4
#2	3251.1	50354.	5716.7

Sample Name: 27952-8 Acquired: 5/2/2012 11:38:15 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.01690	.00031	1.3915	.35619	.00002	.00145	172.21	.00060	.00153
Stddev	.00034	.00088	.00062	.0007	.00125	.00005	.00005	.66	.00016	.00009
%RSD	279.18	5.2343	201.60	.05021	.35124	280.07	3.7736	.38200	27.172	6.0281
#1	.00036	.01753	.00074	1.3910	.35708	.00005	.00141	172.67	.00071	.00146
#2	-.00012	.01628	-.00013	1.3920	.35531	-.00002	.00149	171.74	.00048	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00126	.00416	27.376	20.163	.06992	58.363	1.2678	.00063	225.75	.01754
Stddev	.00023	.00000	.093	.094	.00072	.213	.0056	.00013	.18	.00036
%RSD	18.373	.00492	.33856	.46489	1.0352	.36473	.44364	20.563	.08022	2.0332
#1	.00110	.00417	27.442	20.229	.07043	58.513	1.2718	.00073	225.88	.01729
#2	.00142	.00416	27.311	20.096	.06940	58.212	1.2639	.00054	225.62	.01779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8722	-.00066	91.258	-.00182	.00487	19.616	41.977	.00044	.95460	-.00044
Stddev	.0014	.00014	.131	.00045	.00839	.067	.144	.00072	.00225	.00107
%RSD	.07233	21.196	.14323	24.655	172.50	.34360	.34360	163.04	.23520	243.64
#1	1.8712	-.00076	91.165	-.00214	.01080	19.663	42.079	.00095	.95618	.00032
#2	1.8731	-.00056	91.350	-.00151	-.00107	19.568	41.875	-.00007	.95301	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00294	.01419	.00089	.00376	.00123
Stddev	.00009	.00135	.02032	.00037	.00018	.00175
%RSD	16.172	45.774	143.14	41.770	4.6617	142.19
#1	.00052	.00199	.02856	.00116	.00388	.00246
#2	.00065	.00389	-.00017	.00063	.00363	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3186.6	49421.	5742.2
Stddev	13.5	21.	18.9
%RSD	.42450	.04243	.32935
#1	3196.2	49436.	5755.6
#2	3177.0	49406.	5728.9

Sample Name: 27820-4 Acquired: 5/2/2012 11:40:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.02218	.01095	1.8324	.41777	.00008	.00381	152.32	.00042	.00294
Stddev	.00072	.00112	.00044	.0055	.00252	.00003	.00104	.53	.00015	.00003
%RSD	601.91	5.0471	4.0280	.30184	.60224	33.521	27.449	.34899	35.278	1.1083
#1	-.00039	.02297	.01064	1.8285	.41599	.00006	.00307	151.95	.00053	.00291
#2	.00063	.02139	.01127	1.8363	.41954	.00010	.00454	152.70	.00032	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00192	.00221	23.583	41.946	.07592	53.779	1.6330	.00125	273.38	.02526
Stddev	.00016	.00039	.068	.059	.00027	.037	.0030	.00010	.56	.00043
%RSD	8.2775	17.582	.28686	.14008	.36107	.06870	.18473	7.9505	.20384	1.7215
#1	.00181	.00193	23.535	41.905	.07572	53.805	1.6351	.00132	272.99	.02557
#2	.00204	.00248	23.631	41.988	.07611	53.752	1.6309	.00118	273.78	.02496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0523	-.00021	29.144	-.00352	-.00256	18.456	39.495	-.00022	1.0381	-.00098
Stddev	.0017	.00012	.002	.00072	.00465	.050	.106	.00035	.0027	.00007
%RSD	.08119	56.679	.00626	20.572	181.56	.26864	.26864	156.32	.26531	7.3828
#1	2.0511	-.00030	29.143	-.00403	-.00584	18.421	39.420	.00002	1.0361	-.00093
#2	2.0535	-.00013	29.146	-.00300	.00073	18.491	39.570	-.00047	1.0400	-.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.00407	.00721	.00117	.00454	.00137
Stddev	.00013	.00006	.00705	.00028	.00074	.00057
%RSD	9.4376	1.4306	97.842	24.368	16.237	41.527
#1	.00146	.00403	.00222	.00097	.00506	.00177
#2	.00127	.00411	.01219	.00137	.00402	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3206.8	49405.	5764.5
Stddev	3.5	27.	78.0
%RSD	.10915	.05550	1.3535
#1	3209.2	49424.	5819.6
#2	3204.3	49386.	5709.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 11:42:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00127	48.493	.00165	.01164	.00040	.00005	1.0383	.01492	.00012	.00024	.00043	-.00493
Stddev	.00040	.035	.00307	.00093	.00022	.00001	.0010	.00261	.00001	.00001	.00013	.00045
%RSD	31.357	.07165	185.50	8.0201	55.078	28.711	.09512	17.518	11.390	4.4482	29.688	9.0856
#1	-.00099	48.468	.00382	.01230	.00025	.00006	1.0376	.01677	.00011	.00025	.00051	-.00525
#2	-.00156	48.517	-.00052	.01098	.00056	.00004	1.0390	.01307	.00013	.00023	.00034	-.00462
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.120	.15267	-.00028	-.01787	.00064	.00091	253.30	.00136	.02897	-.00042	5.1748	-.00398
Stddev	.067	.00638	.00084	.00309	.00001	.00038	.55	.00010	.00687	.00044	.0070	.00205
%RSD	.13987	4.1782	300.16	17.312	1.7120	42.219	.21663	7.6172	23.713	104.00	.13444	51.567
#1	48.073	.14816	.00031	-.01568	.00063	.00064	253.69	.00128	.03383	-.00074	5.1797	-.00544
#2	48.168	.15718	-.00087	-.02006	.00065	.00118	252.92	.00143	.02411	-.00011	5.1699	-.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00826	.00801	.01714	.00170	.00040	5.1143	.00825	.00234	W 10.634	-.00429	.00226	-.04450
Stddev	.00588	.02348	.05025	.00110	.00003	.0212	.00056	.00041	.034	.00017	.00054	.00014
%RSD	71.213	293.14	293.14	64.934	8.0592	.41412	6.7734	17.505	.31879	3.8583	23.782	.31528
#1	.00410	-.00859	-.01839	.00248	.00038	5.1293	.00865	.00205	10.658	-.00441	.00264	-.04440
#2	.01242	.02462	.05268	.00092	.00043	5.0994	.00786	.00263	10.610	-.00417	.00188	-.04460
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3261.3	50066.	5604.5
Stddev	3.1	122.	23.6
%RSD	.09639	.24395	.42135
#1	3263.5	49979.	5621.2
#2	3259.1	50152.	5587.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 11:45:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50896	.49456	1.0070	.49840	.50466	.46742	-.00274	4.7247	.50691	.50212	.50647	.52205	2.4367
Stddev	.00138	.00040	.0017	.00180	.00113	.00182	.00049	.0182	.00028	.00099	.00098	.00089	.0142
%RSD	.27198	.08041	.16900	.36149	.22301	.38924	17.834	.38624	.05471	.19774	.19320	.17093	.58418
#1	.50994	.49427	1.0058	.49712	.50546	.46871	-.00309	4.7376	.50672	.50142	.50716	.52268	2.4467
#2	.50798	.49484	1.0082	.49967	.50387	.46614	-.00240	4.7118	.50711	.50282	.50578	.52142	2.4266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.191	.98867	19.370	.50341	.50391	4.9704	.50153	.97165	1.0319	.07675	.98585	1.0109	4.6487
Stddev	.104	.00256	.030	.00128	.00001	.0037	.00010	.00153	.0016	.00184	.00014	.0036	.0114
%RSD	.20663	.25894	.15267	.25510	.00236	.07335	.02056	.15792	.15449	2.3971	.01381	.35798	.24600
#1	50.265	.99048	19.391	.50432	.50392	4.9729	.50161	.97274	1.0308	.07806	.98595	1.0135	4.6568
#2	50.118	.98686	19.350	.50251	.50390	4.9678	.50146	.97057	1.0330	.07545	.98576	1.0084	4.6406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9482	1.0001	.49588	-.00037	.49478	1.0244	.03315	.50509	.50184	.49931
Stddev	.0245	.0018	.00098	.00093	.00074	.0058	.00176	.00044	.00146	.00247
%RSD	.24600	.18053	.19818	253.31	.14959	.56935	5.2956	.08740	.29079	.49439
#1	9.9655	1.0014	.49657	-.00102	.49530	1.0203	.03440	.50478	.50287	.50105
#2	9.9309	.99881	.49518	.00029	.49425	1.0285	.03191	.50540	.50080	.49756
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3350.2	51505.	5621.4
Stddev	5.4	44.	32.6
%RSD	.16234	.08542	.57958
#1	3354.1	51474.	5598.3
#2	3346.4	51536.	5644.4

Sample Name: CCB Acquired: 5/2/2012 11:47:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00003	-.00414	F .00701	.00031	.00012	-.00376	.00299	.00027	-.00022	.00004
Stddev	.00008	.00038	.00052	.00015	.00000	.00002	.00191	.00221	.00004	.00034	.00005
%RSD	28.000	1416.3	12.662	2.0933	.73012	15.135	50.758	73.664	15.181	154.26	101.54
#1	.00035	-.00024	-.00451	.00690	.00031	.00011	-.00241	.00455	.00030	-.00046	.00008
#2	.00024	.00029	-.00377	.00711	.00032	.00014	-.00512	.00143	.00024	.00002	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00156	.01082	.06840	.00009	.00384	.00013	.00085	W .17083	-.00083	.00467	.00026
Stddev	.00020	.00031	.02287	.00250	.00177	.00006	.00046	.00611	.00027	.00143	.00069
%RSD	12.896	2.8582	33.434	2770.0	46.187	47.184	53.707	3.5775	32.223	30.701	270.28
#1	-.00170	.01104	.08457	-.00168	.00259	.00017	.00053	.17515	-.00102	.00568	.00075
#2	-.00142	.01060	.05223	.00186	.00510	.00009	.00117	.16651	-.00064	.00365	-.00023
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10279	-.00020	.00069	-.00636	-.01362	.00172	.00009	.00114	.00024	.00013	.00892
Stddev	.00254	.00229	.00406	.01893	.04050	.00081	.00002	.00163	.00022	.00029	.01796
%RSD	2.4665	1123.3	588.57	297.47	297.47	47.027	25.123	143.54	91.915	216.11	201.29
#1	.10459	.00142	.00356	-.01975	-.04226	.00115	.00008	-.00002	.00040	.00034	.02162
#2	.10100	-.00183	-.00218	.00702	.01502	.00229	.00011	.00229	.00008	-.00007	-.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00061	.00275	-.00013
Stddev	.00048	.00087	.00056
%RSD	78.047	31.520	414.93
#1	-.00095	.00336	.00026
#2	-.00028	.00213	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3345.2	52235.	5557.5
Stddev	6.0	80.	37.9
%RSD	.18076	.15367	.68221
#1	3349.5	52292.	5584.3
#2	3340.9	52178.	5530.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 11:49:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01117	.10394	.01379	.10629	.01035	.00099	.11856	.19463	.00539	.01028	.01028	.01521	.10218
Stddev	.00030	.00052	.00291	.00014	.00013	.00007	.00211	.00182	.00010	.00008	.00009	.00011	.00006
%RSD	2.7269	.50402	21.110	.13505	1.2752	6.6004	1.7778	.93646	1.7862	.73110	.85360	.75358	.06120
#1	.01138	.10431	.01585	.10639	.01044	.00104	.12005	.19592	.00532	.01034	.01034	.01529	.10223
#2	.01095	.10357	.01173	.10619	.01026	.00095	.11707	.19334	.00545	.01023	.01021	.01513	.10214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2201	.01223	.20960	.01076	.02069	1.1450	.04143	2.8912	.00983	.05832	.00716	.01913	.46888
Stddev	.0231	.00049	.00028	.00002	.00052	.0025	.00028	.0050	.00093	.00275	.00153	.00160	.01263
%RSD	.71786	3.9672	.13326	.19644	2.5331	.21860	.68046	.17355	9.4787	4.7180	21.309	8.3451	2.6932
#1	3.2364	.01189	.20979	.01074	.02032	1.1467	.04123	2.8947	.01049	.06026	.00608	.02026	.45995
#2	3.2037	.01258	.20940	.01077	.02106	1.1432	.04163	2.8876	.00917	.05637	.00824	.01800	.47781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0034	.10638	.01028	.01497	.01021	.01672	F .08043	.00958	.02341	.01514
Stddev	.0270	.00163	.00010	.00032	.00028	.00009	.00735	.00030	.00064	.00045
%RSD	2.6932	1.5345	.92836	2.1642	2.7407	.51405	9.1354	3.0897	2.7150	2.9493
#1	.98430	.10753	.01022	.01474	.01002	.01678	.07523	.00979	.02296	.01482
#2	1.0225	.10522	.01035	.01520	.01041	.01666	.08562	.00937	.02386	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3453.7	53589.	5669.3
Stddev	6.2	94.	11.2
%RSD	.17923	.17523	.19765
#1	3449.3	53523.	5661.3
#2	3458.1	53655.	5677.2

Sample Name: X Acquired: 5/2/2012 11:52:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05013	1.8216	1.0127	.97244	1.9711	.04633	2.1051	45.425	.09919	.48201
Stddev	.00009	.0031	.0006	.00478	.0019	.00005	.0026	.055	.00012	.00032
%RSD	.17220	.17254	.06031	.49152	.09700	.11390	.12426	.12172	.11745	.06726
#1	.05019	1.8194	1.0132	.97582	1.9724	.04637	2.1069	45.464	.09928	.48224
#2	.05007	1.8239	1.0123	.96906	1.9697	.04629	2.1032	45.386	.09911	.48178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19763	.25977	F 1.7391	49.597	.96918	47.272	.50080	1.0028	51.617	.48149
Stddev	.00047	.00052	.0085	.069	.00206	.099	.00068	.0002	.095	.00035
%RSD	.23874	.20179	.48702	.13817	.21234	.21046	.13569	.02061	.18418	.07322
#1	.19729	.26014	1.7451	49.645	.97064	47.343	.50129	1.0027	51.684	.48124
#2	.19796	.25940	1.7331	49.548	.96773	47.202	.50032	1.0030	51.550	.48174
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6512	.48843	.08702	.48050	2.0159	F 9.1884	F 19.663	1.9581	.98307	1.0167
Stddev	.0029	.00221	.00004	.00227	.0053	.0371	.079	.0017	.00159	.0036
%RSD	.03045	.45214	.04702	.47218	.26376	.40347	.40347	.08767	.16157	.35780
#1	9.6491	.48686	.08699	.47889	2.0196	9.2146	19.719	1.9569	.98419	1.0192
#2	9.6533	.48999	.08705	.48210	2.0121	9.1622	19.607	1.9593	.98194	1.0141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98360	1.9516	2.1991	.50126	.48779	.48319
Stddev	.00013	.0026	.0053	.00222	.00199	.00124
%RSD	.01330	.13103	.24059	.44243	.40897	.25673
#1	.98369	1.9498	2.1953	.49969	.48920	.48232
#2	.98350	1.9534	2.2028	.50282	.48638	.48407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3262.8	50295.	5648.9
Stddev	6.2	48.	28.2
%RSD	.19062	.09475	.49907
#1	3267.2	50262.	5628.9
#2	3258.4	50329.	5668.8

Sample Name: 27750-5 Acquired: 5/2/2012 11:54:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.04595	.00141	.40879	.89937	.00008	.00140	159.33	.00040	.00186
Stddev	.00012	.00053	.00103	.00042	.00042	.00003	.00300	.30	.00007	.00014
%RSD	55.336	1.1589	72.670	.10254	.04662	31.646	214.82	.18613	18.005	7.3896
#1	.00030	.04558	.00069	.40908	.89907	.00010	.00352	159.12	.00035	.00195
#2	.00013	.04633	.00214	.40849	.89967	.00006	-.00073	159.54	.00045	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00522	.00498	18.509	8.7921	.02728	43.306	1.0620	.00338	62.680	.02034
Stddev	.00020	.00009	.000	.0221	.00066	.045	.0007	.00003	.355	.00046
%RSD	3.8258	1.8049	.00265	.25109	2.4224	.10356	.06848	.75573	.56589	2.2407
#1	.00536	.00504	18.509	8.8077	.02681	43.338	1.0625	.00336	62.931	.02066
#2	.00508	.00491	18.509	8.7765	.02775	43.275	1.0615	.00340	62.429	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9565	.00065	9.5855	-.00640	.00005	16.783	35.915	.00004	.77762	.00038
Stddev	.0316	.00106	.0469	.00024	.00490	.042	.089	.00053	.00030	.00113
%RSD	1.6138	163.15	.48910	3.6816	10523.	.24783	.24783	1313.5	.03886	300.75
#1	1.9788	.00140	9.6187	-.00623	-.00342	16.753	35.852	-.00034	.77783	.00117
#2	1.9341	-.00010	9.5524	-.00657	.00351	16.812	35.978	.00042	.77740	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00177	.01959	.00006	.00071	.00532	.00095
Stddev	.00024	.00170	.02652	.00019	.00029	.00147
%RSD	13.400	8.6842	45828.	27.224	5.5289	154.80
#1	.00194	.01838	.01881	.00085	.00511	.00200
#2	.00160	.02079	-.01869	.00058	.00553	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3342.9	51791.	5868.6
Stddev	3.9	205.	25.4
%RSD	.11578	.39551	.43254
#1	3345.6	51936.	5886.5
#2	3340.2	51646.	5850.6

Sample Name: 27750-5DISS Acquired: 5/2/2012 11:56:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.01540	.00582	1.9391	2.0096	.00001	.00276	318.89	.00049	.01183
Stddev	.00007	.00075	.00233	.0032	.0096	.00004	.00099	2.30	.00008	.00013
%RSD	34.736	4.8603	40.142	.16308	.47705	509.62	35.995	.72095	15.650	1.1102
#1	.00016	.01593	.00416	1.9369	2.0028	-.00002	.00346	320.51	.00044	.01192
#2	.00027	.01487	.00747	1.9414	2.0163	.00004	.00206	317.26	.00055	.01173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00424	.00160	29.533	13.630	.04226	85.206	2.8670	.00643	489.14	.07907
Stddev	.00023	.00009	.116	.095	.00151	.183	.0090	.00039	3.15	.00049
%RSD	5.5361	5.5359	.39401	.69808	3.5823	.21449	.31438	6.0386	.64356	.62421
#1	.00441	.00153	29.450	13.563	.04119	85.076	2.8606	.00616	486.91	.07942
#2	.00408	.00166	29.615	13.697	.04333	85.335	2.8734	.00671	491.37	.07872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.5907	.00029	12.168	-.00275	-.00211	16.066	34.382	-.00030	1.6394	-.00206
Stddev	.0025	.00035	.034	.00076	.00179	.119	.254	.00089	.0100	.00123
%RSD	.05452	121.77	.27948	27.757	84.486	.73812	.73812	299.43	.60879	59.794
#1	4.5924	.00004	12.192	-.00329	-.00085	15.983	34.203	.00033	1.6324	-.00119
#2	4.5889	.00054	12.144	-.00221	-.00338	16.150	34.562	-.00093	1.6465	-.00293
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.00295	-.00722	.00229	.00399	.00108
Stddev	.00020	.00028	.00195	.00001	.00031	.00124
%RSD	23.401	9.5041	27.069	.34732	7.8256	114.60
#1	.00070	.00275	-.00584	.00229	.00421	.00021
#2	.00098	.00315	-.00860	.00228	.00377	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3140.6	48651.	5807.6
Stddev	6.7	144.	28.8
%RSD	.21186	.29515	.49537
#1	3145.3	48753.	5828.0
#2	3135.9	48549.	5787.3

Sample Name: 28107-1 Acquired: 5/2/2012 11:59:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.28268	.00195	.13901	.25449	.00009	.00504	167.58	.00055	.00020
Stddev	.00020	.00056	.00169	.00181	.00079	.00000	.00238	.42	.00000	.00002
%RSD	59.021	.19766	86.871	1.3025	.31096	1.7719	47.258	.24858	.80989	8.6657
#1	.00020	.28308	.00075	.14029	.25393	.00009	.00336	167.28	.00055	.00022
#2	.00049	.28229	.00314	.13773	.25505	.00009	.00673	167.87	.00054	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.00520	34.360	6.1977	.03002	41.034	.95209	.00055	21.165	.00418
Stddev	.00006	.00038	.048	.0027	.00140	.002	.00048	.00024	.140	.00038
%RSD	5.4397	7.3067	.14058	.04346	4.6719	.00415	.05019	43.446	.65915	9.1606
#1	.00112	.00493	34.325	6.1958	.02903	41.033	.95175	.00038	21.066	.00445
#2	.00121	.00547	34.394	6.1996	.03101	41.035	.95242	.00071	21.263	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.4763	.00212	30.028	-.00328	.00088	18.329	39.224	-.00077	.65454	.00209
Stddev	.0037	.00136	.051	.00136	.00042	.017	.037	.00175	.00161	.00151
%RSD	.15016	64.311	.16893	41.302	48.364	.09469	.09469	227.77	.24524	72.473
#1	2.4789	.00116	30.064	-.00232	.00118	18.317	39.198	.00047	.65341	.00102
#2	2.4736	.00308	29.992	-.00424	.00058	18.341	39.251	-.00200	.65568	.00316
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00819	.00358	.01398	.00187	.01506	.00069
Stddev	.00010	.00110	.04225	.00022	.00033	.00023
%RSD	1.1987	30.641	302.21	11.770	2.1926	33.865
#1	.00812	.00435	.04386	.00202	.01483	.00052
#2	.00826	.00280	-.01590	.00171	.01530	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3301.4	50740.	5773.9
Stddev	.3	195.	53.1
%RSD	.00991	.38337	.92020
#1	3301.6	50877.	5811.5
#2	3301.1	50602.	5736.4

Sample Name: 280-27750-O-4-A Acquired: 5/2/2012 12:01:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 115806

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.05086	.00176	.13732	.56403	.00008	-.00298	105.69	.00066	-.00046
Stddev	.00036	.00023	.00392	.00049	.00064	.00002	.00025	.46	.00002	.00013
%RSD	129.21	.45807	222.37	.35341	.11367	23.917	8.3557	.43808	2.6230	28.742
#1	.00053	.05069	-.00101	.13766	.56357	.00009	-.00315	105.37	.00067	-.00056
#2	.00002	.05102	.00454	.13697	.56448	.00006	-.00280	106.02	.00065	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01604	.00219	21.394	7.5661	.02686	30.502	.93714	.00135	13.103	.00197
Stddev	.00001	.00031	.082	.0259	.00057	.148	.00512	.00016	.174	.00009
%RSD	.03847	14.366	.38328	.34288	2.1195	.48530	.54667	12.129	1.3307	4.4063
#1	.01604	.00197	21.336	7.5477	.02646	30.606	.94077	.00146	12.980	.00203
#2	.01603	.00241	21.451	7.5844	.02726	30.397	.93352	.00123	13.227	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1151	.00390	5.8343	-.00031	.00721	18.742	40.108	.00033	.61613	-.00083
Stddev	.0184	.00092	.0265	.00055	.00110	.064	.137	.00025	.00048	.00018
%RSD	1.6475	23.522	.45431	180.73	15.225	.34243	.34243	75.989	.07858	22.203
#1	1.1281	.00325	5.8531	-.00070	.00643	18.697	40.011	.00051	.61579	-.00096
#2	1.1021	.00455	5.8156	.00009	.00799	18.787	40.205	.00015	.61647	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00142	.00212	.01788	.00082	.00565	.00035
Stddev	.00024	.00357	.01237	.00006	.00057	.00012
%RSD	16.665	168.81	69.173	6.7848	10.030	33.589
#1	.00159	-.00041	.02663	.00086	.00605	.00044
#2	.00125	.00464	.00914	.00078	.00525	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3287.9	50252.	5647.0
Stddev	7.0	183.	26.3
%RSD	.21145	.36381	.46541
#1	3283.0	50122.	5665.6
#2	3292.8	50381.	5628.4

Sample Name: 280-27750-0-8-A Acquired: 5/2/2012 12:04:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 115806

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00069	k .41773	k .00283	.09166	.35988	k .00012	k -.00039	141.61	k .00088	k .00050
Stddev	.00015	.00145	.00081	.00035	.00003	.00003	.00271	.38	.00006	.00030
%RSD	21.568	.34682	28.513	.37761	.00724	25.711	700.48	.27060	6.8623	59.638
#1	k .00059	k .41670	k .00341	.09190	.35986	k .00010	k .00153	141.34	k .00084	k .00071
#2	k .00080	k .41875	k .00226	.09141	.35990	k .00014	k -.00230	141.88	k .00093	k .00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01080	k .00545	k 41.892	6.9249	.03178	39.694	k 1.8678	k .00109	18.115	.00686
Stddev	.00017	.00018	.086	.0430	.00100	.106	.0005	.00001	.020	.00024
%RSD	1.5667	3.3126	.20640	.62103	3.1518	.26752	.02824	1.0144	.11143	3.5157
#1	.01092	k .00532	k 41.953	6.8945	.03108	39.619	k 1.8681	k .00108	18.101	.00703
#2	.01068	k .00558	k 41.831	6.9554	.03249	39.769	k 1.8674	k .00110	18.129	.00669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.89247	k .00450	k 85.065	k -.00005	kF -.01303	16.643	35.616	k .00074	.59723	k .03604
Stddev	.00368	.00048	.099	.00216	.00363	.057	.122	.00020	.00005	.00077
%RSD	.41265	10.571	.11604	4510.2	27.863	.34228	.34228	26.715	.00885	2.1316
#1	.89507	k .00484	k 85.135	k .00148	k -.01046	16.603	35.530	k .00060	.59719	k .03549
#2	.88986	k .00417	k 84.995	k -.00158	k -.01560	16.683	35.703	k .00088	.59727	k .03658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00897	k .00166	k .01006	k -.00008	k .00948	k -.00156
Stddev	.00005	.00049	.01654	.00023	.00023	.00020
%RSD	.50504	29.681	164.49	310.53	2.4643	12.845
#1	k .00894	k .00200	k .02176	k -.00024	k .00964	k -.00170
#2	k .00900	k .00131	k -.00164	k .00009	k .00931	k -.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3231.1	50111.	5612.7
Stddev	6.6	123.	21.2
%RSD	.20568	.24519	.37798
#1	3226.4	50198.	5627.7
#2	3235.8	50024.	5597.7

Sample Name: 280-28017-O-2-A Acquired: 5/2/2012 12:06:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116524

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.01332	.00780	.23484	.28410	.00005	-.00286	119.58	.00059	.00024
Stddev	.00017	.00033	.00169	.00065	.00107	.00003	.00239	.79	.00006	.00021
%RSD	25.992	2.4898	21.722	.27742	.37676	65.461	83.797	.66452	10.759	88.084
#1	.00078	.01355	.00660	.23438	.28334	.00003	-.00116	119.02	.00055	.00040
#2	.00054	.01308	.00900	.23530	.28486	.00008	-.00455	120.15	.00064	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.00202	16.079	9.2366	.03221	34.875	.50963	.00047	48.462	.00201
Stddev	.00016	.00007	.077	.0887	.00048	.128	.00210	.00012	.673	.00032
%RSD	36.856	3.5546	.48069	.95974	1.4990	.36804	.41282	26.701	1.3883	16.150
#1	.00054	.00197	16.024	9.1739	.03187	34.784	.50814	.00038	47.986	.00178
#2	.00031	.00208	16.133	9.2993	.03255	34.966	.51112	.00055	48.938	.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.91780	-.00029	20.796	-.00179	.00155	18.929	40.508	-.00010	.48371	.00065
Stddev	.00106	.00189	.058	.00115	.00324	.051	.110	.00080	.00299	.00239
%RSD	.11578	643.40	.28110	64.091	208.87	.27081	.27081	801.10	.61765	370.84
#1	.91705	.00104	20.754	-.00260	-.00074	18.893	40.431	.00047	.48160	.00234
#2	.91855	-.00163	20.837	-.00098	.00384	18.965	40.586	-.00067	.48582	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	-.00013	.01889	.00010	.00821	.00043
Stddev	.00017	.00216	.00794	.00041	.00000	.00015
%RSD	33.402	1622.1	42.033	389.64	.02628	34.708
#1	.00038	.00139	.01328	.00039	.00822	.00032
#2	.00061	-.00166	.02451	-.00018	.00821	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3286.7	50090.	5646.1
Stddev	3.2	70.	22.4
%RSD	.09746	.13982	.39757
#1	3289.0	50139.	5661.9
#2	3284.4	50040.	5630.2

Sample Name: 280-27820-O-2-A Acquired: 5/2/2012 12:08:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116012

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00023	k .07739	k -.00897	.05758	.04706	k .00010	k -.00392	W 564.99	k .00116	k -.00058
Stddev	.00007	.00091	.00237	.00159	.00026	.00000	.00576	5.09	.00004	.00003
%RSD	31.394	1.1781	26.393	2.7617	.55538	4.3011	146.89	.90029	3.5315	5.8261
#1	k .00028	k .07804	k -.01065	.05871	.04688	k .00011	k -.00799	568.59	k .00119	k -.00055
#2	k .00018	k .07675	k -.00730	.05646	.04725	k .00010	k .00015	561.39	k .00113	k -.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00073	k .00105	k 44.620	10.476	.18467	191.75	k 1.0653	k .00026	111.38	-.00136
Stddev	.00002	.00042	.044	.024	.00243	.78	.0005	.00001	.30	.00004
%RSD	2.6211	39.847	.09924	.23108	1.3160	.40527	.04368	3.1200	.27286	3.1727
#1	k .00074	k .00135	k 44.652	10.493	.18295	192.30	k 1.0656	k .00027	111.60	-.00139
#2	k .00071	k .00076	k 44.589	10.459	.18639	191.20	k 1.0650	k .00025	111.17	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55918	k .00085	kF 666.72	k .00185	kF -.01876	18.157	38.855	k -.00153	1.4887	k .03519
Stddev	.00409	.00031	1.77	.00079	.00646	.065	.139	.00076	.0009	.00033
%RSD	.73129	35.891	.26574	42.876	34.416	.35734	.35734	49.734	.05828	.94385
#1	.56207	k .00107	k 667.97	k .00241	k -.02333	18.111	38.757	k -.00206	1.4894	k .03496
#2	.55629	k .00064	k 665.46	k .00129	k -.01420	18.203	38.954	k -.00099	1.4881	k .03543
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00		50.000					
Low Limit			-.20000		-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00089	k .00118	k -.00074	k -.00062	k .00343	k .00002
Stddev	.00001	.00218	.00765	.00023	.00063	.00137
%RSD	.96305	183.89	1035.4	37.453	18.478	7179.5
#1	k .00090	k -.00036	k -.00615	k -.00045	k .00387	k -.00095
#2	k .00088	k .00272	k .00467	k -.00078	k .00298	k .00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2998.0	46130.	5503.9
Stddev	3.5	7.	14.5
%RSD	.11837	.01602	.26276
#1	2995.5	46136.	5514.1
#2	3000.5	46125.	5493.6

Sample Name: CCVH-1390999 Acquired: 5/2/2012 12:11:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00164	48.379	-.00156	.00629	.00045	.00007	1.0315	.04898	.00002	.00053	.00040	-.00479
Stddev	.00066	.161	.00649	.00063	.00003	.00000	.0014	.00290	.00011	.00021	.00018	.00014
%RSD	40.318	.33221	414.98	10.049	7.4761	.19454	.13092	5.9112	528.09	40.326	43.403	3.0171
#1	-.00117	48.265	-.00615	.00585	.00042	.00007	1.0305	.05102	.00010	.00038	.00028	-.00490
#2	-.00211	48.493	.00302	.00674	.00047	.00007	1.0324	.04693	-.00006	.00068	.00053	-.00469
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.672	.05138	.00094	-.01326	.00046	.00067	253.44	.00140	.00998	-.00002	5.2000	-.00293
Stddev	.077	.01221	.00036	.00704	.00000	.00015	.77	.00003	.00040	.00078	.0065	.00011
%RSD	.15822	23.758	37.882	53.080	.74868	22.991	.30431	1.8734	4.0447	4133.5	.12540	3.8938
#1	48.726	.06001	.00120	-.00828	.00046	.00078	252.90	.00138	.01026	.00054	5.2046	-.00285
#2	48.617	.04274	.00069	-.01824	.00047	.00056	253.99	.00141	.00969	-.00057	5.1954	-.00301
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00311	-.00425	-.00909	.00232	.00045	5.2044	.00829	.00288	W 10.764	-.00464	.00170	-.04762
Stddev	.00599	.01181	.02528	.00085	.00001	.0112	.00009	.00051	.062	.00035	.00014	.00256
%RSD	192.33	278.14	278.14	36.787	2.4924	.21461	1.0591	17.611	.57625	7.4620	8.2175	5.3713
#1	-.00112	.00411	.00879	.00172	.00046	5.2123	.00835	.00252	10.808	-.00489	.00160	-.04943
#2	.00735	-.01260	-.02697	.00292	.00044	5.1965	.00822	.00324	10.720	-.00440	.00179	-.04581
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3333.4	50395.	5680.6
Stddev	5.5	143.	11.6
%RSD	.16598	.28318	.20481
#1	3337.3	50294.	5672.4
#2	3329.5	50496.	5688.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 12:13:38 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51320	.49322	1.0115	.48638	.49997	.45776	-.00116	4.6294	.50192	.50039	.50434	.53038	2.4412
Stddev	.00225	.00070	.0011	.00003	.00091	.00282	.00174	.0211	.00204	.00189	.00003	.00230	.0118
%RSD	.43856	.14193	.11152	.00675	.18288	.61518	150.01	.45631	.40597	.37777	.00591	.43404	.48326
#1	.51479	.49371	1.0123	.48636	.50062	.45975	.00007	4.6443	.50336	.50173	.50432	.53201	2.4496
#2	.51161	.49272	1.0107	.48640	.49933	.45577	-.00239	4.6145	.50048	.49905	.50436	.52876	2.4329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.943	.96099	19.616	.51310	.50328	4.8185	.49672	.96276	1.0356	.05025	.97877	1.0195	4.5232
Stddev	.158	.00338	.077	.00187	.00133	.0410	.00179	.00392	.0023	.00165	.00480	.0008	.0081
%RSD	.31559	.35176	.39370	.36391	.26486	.85052	.36081	.40754	.22420	3.2746	.49013	.07577	.17891
#1	50.055	.96338	19.671	.51442	.50423	4.8475	.49799	.96553	1.0373	.05141	.98216	1.0190	4.5289
#2	49.832	.95860	19.561	.51178	.50234	4.7895	.49546	.95998	1.0340	.04909	.97538	1.0201	4.5175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6797	1.0045	.49201	.00011	.49257	1.0194	.04020	.50456	.51182	.49897
Stddev	.0173	.0006	.00142	.00192	.00224	.0019	.01494	.00010	.00079	.00016
%RSD	.17891	.06104	.28778	1822.9	.45410	.18961	37.154	.01991	.15390	.03210
#1	9.6919	1.0040	.49301	-.00125	.49415	1.0208	.02964	.50463	.51238	.49886
#2	9.6675	1.0049	.49101	.00146	.49098	1.0180	.05076	.50449	.51126	.49909
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3389.8	51746.	5698.1
Stddev	10.0	137.	27.9
%RSD	.29420	.26521	.48989
#1	3382.7	51649.	5678.4
#2	3396.8	51843.	5717.9

Sample Name: CCB Acquired: 5/2/2012 12:15:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00061	-.00046	W .00470	-.00007	.00013	-.00475	.00285	.00019	-.00024	.00004
Stddev	.00019	.00052	.00447	.00093	.00023	.00008	.00055	.00272	.00011	.00014	.00003
%RSD	93.260	84.025	970.30	19.768	343.95	58.390	11.642	95.471	56.846	56.559	86.004
#1	.00007	.00025	.00270	.00535	-.00023	.00008	-.00436	.00093	.00011	-.00014	.00006
#2	.00034	.00098	-.00362	.00404	.00010	.00019	-.00514	.00478	.00026	-.00034	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00138	.00264	.02517	.00068	.00127	.00011	.00099	W .12029	-.00043	.00580	.00079
Stddev	.00010	.00016	.01678	.00197	.00201	.00004	.00037	.00250	.00016	.00235	.00194
%RSD	7.4405	5.9414	66.687	288.58	158.50	30.589	37.931	2.0821	38.095	40.468	245.00
#1	-.00145	.00253	.03704	-.00071	.00269	.00014	.00072	.12206	-.00031	.00746	.00216
#2	-.00130	.00275	.01330	.00208	-.00015	.00009	.00125	.11852	-.00054	.00414	-.00058
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05630	.00047	.00405	-.00170	-.00364	.00133	.00007	.00262	.00028	.00047	-.01900
Stddev	.00092	.00005	.00030	.00723	.01547	.00033	.00001	.00084	.00005	.00152	.01611
%RSD	1.6326	10.898	7.3803	424.75	424.75	24.856	20.760	32.138	16.656	322.63	84.785
#1	.05565	.00051	.00384	.00341	.00730	.00157	.00006	.00322	.00024	.00154	-.03040
#2	.05695	.00044	.00426	-.00681	-.01458	.00110	.00008	.00203	.00031	-.00060	-.00761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00057	.00230	.00025
Stddev	.00008	.00038	.00024
%RSD	14.754	16.591	95.630
#1	-.00051	.00203	.00008
#2	-.00063	.00257	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3386.2	52292.	5638.0
Stddev	3.3	94.	.5
%RSD	.09799	.17930	.00896
#1	3383.9	52226.	5638.4
#2	3388.6	52358.	5637.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 12:18:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01133	.10502	.01160	.10340	.01058	.00099	.12157	.19743	.00526	.01070	.01031	.01528	.09922
Stddev	.00052	.00072	.00050	.00004	.00016	.00006	.00139	.00042	.00008	.00004	.00004	.00075	.00121
%RSD	4.5916	.68890	4.2716	.03526	1.4869	6.4808	1.1404	.21111	1.4631	.37109	.39152	4.9392	1.2199
#1	.01170	.10451	.01195	.10337	.01069	.00104	.12059	.19772	.00520	.01067	.01033	.01581	.09836
#2	.01097	.10553	.01125	.10342	.01047	.00095	.12255	.19713	.00531	.01073	.01028	.01475	.10007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1708	.01111	.21145	.01082	.02082	1.1112	.04158	2.8885	.00977	.03508	F .00525	.01467	.44579
Stddev	.0090	.00317	.00258	.00013	.00052	.0020	.00042	.0007	.00106	.00543	.00071	.00189	.01147
%RSD	.28245	28.569	1.2225	1.2390	2.5152	.18384	1.0055	.02333	10.864	15.486	13.517	12.870	2.5729
#1	3.1645	.01335	.21328	.01091	.02045	1.1127	.04187	2.8889	.01052	.03124	.00474	.01601	.43768
#2	3.1772	.00886	.20962	.01072	.02119	1.1098	.04128	2.8880	.00902	.03892	.00575	.01334	.45390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95400	.10640	.01016	.01619	.01063	.01729	F .08378	.00955	.02496	.01432
Stddev	.02455	.00176	.00003	.00032	.00008	.00187	.02228	.00010	.00072	.00258
%RSD	2.5729	1.6580	.26836	1.9940	.73630	10.827	26.593	1.0991	2.8984	18.008
#1	.93664	.10765	.01014	.01596	.01057	.01862	.06803	.00963	.02547	.01250
#2	.97136	.10516	.01018	.01642	.01068	.01597	.09954	.00948	.02445	.01615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3484.9	53920.	5782.0
Stddev	5.5	303.	22.5
%RSD	.15680	.56243	.38845
#1	3488.7	53705.	5797.9
#2	3481.0	54134.	5766.1

ICP Data Review Checklist

TALS BATCH NUMBER: 117854 - 117857, 117859 - 117860		Earliest due date: 5/1/12
Run Date: 5/1/12	Analyst: JKH + HES	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 5/2/12

Comments: _____

2nd Level Reviewer: [signature] Date: 5/2/12

Comments: _____

Sample Name: ICIS Acquired: 5/3/2012 10:27:34 Type: Cal
Method: 6500_025(v2) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00085	.00058	-.01326	-.00007	.00043	-.00002	.00010	-.00026	.00290	.00020	.00003	-.00004	.00381
Stddev	.00001	.00002	.00011	.00002	.00013	.00064	.00015	.00015	.00063	.00008	.00004	.00005	.00005
%RSD	1.0471	3.0044	.81003	30.898	30.450	3118.2	161.44	58.792	21.646	40.644	124.42	116.99	1.3769
#1	-.00086	.00060	-.01318	-.00005	.00034	.00043	.00020	-.00037	.00334	.00014	.00000	-.00008	.00377
#2	-.00085	.00057	-.01333	-.00008	.00052	-.00047	-.00001	-.00015	.00245	.00026	.00006	-.00001	.00384

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00031	.00013	.00204	.00107	-.00003	-.00013	-.00019	.01531	-.01320	.00022	-.00007	.00060	.00018
Stddev	.00000	.00021	.00089	.00008	.00001	.00000	.00008	.00036	.00108	.00034	.00009	.00027	.00000
%RSD	1.5600	165.47	43.480	7.3446	51.357	2.8039	40.136	2.3643	8.1618	151.09	131.22	45.670	2.1758
#1	-.00031	.00028	.00267	.00101	-.00002	-.00013	-.00025	.01506	-.01397	-.00002	-.00013	.00041	.00018
#2	-.00030	-.00002	.00142	.00112	-.00004	-.00014	-.00014	.01557	-.01244	.00046	.00000	.00079	.00017

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00067	.00040	-.00006	-.00006	.00015	-.00117	-.00019	-.00033	-.00006	-.00005	.00020	-.00001	-.00121
Stddev	.00001	.00007	.00041	.00041	.00006	.00103	.00005	.00000	.00007	.00000	.00004	.00001	.00004
%RSD	1.3961	18.583	680.05	680.05	43.443	88.080	26.042	.99053	119.00	4.8665	19.200	206.53	3.4382
#1	.00068	.00034	-.00035	-.00035	.00019	-.00190	-.00016	-.00032	-.00011	-.00005	.00023	.00000	-.00118
#2	.00067	.00045	.00023	.00023	.00010	-.00044	-.00023	-.00033	-.00001	-.00005	.00017	-.00002	-.00124

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3439.8	55115.	5739.2
Stddev	4.2	224.	.4
%RSD	.12292	.40578	.00780
#1	3442.8	54957.	5738.9
#2	3436.8	55273.	5739.5

Sample Name: ICAL1 Acquired: 5/3/2012 10:30:01 Type: Cal
Method: 6500_025(v2) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.31004	.18182	.06642	.27309	6.0207	6.5062	1.7193	1.6298	.97067	.92831	.37395	.65238	4.0463	1.5218
Stddev	.00235	.00033	.00048	.00007	.0038	.0243	.0022	.0008	.00091	.00194	.00338	.00018	.0029	.0027
%RSD	.75916	.18246	.72189	.02727	.06352	.37286	.13094	.04586	.09349	.20847	.90418	.02695	.07173	.18051
#1	.30838	.18158	.06608	.27314	6.0180	6.5233	1.7209	1.6292	.97003	.92694	.37156	.65226	4.0484	1.5237
#2	.31171	.18205	.06676	.27304	6.0234	6.4890	1.7177	1.6303	.97131	.92967	.37634	.65251	4.0443	1.5199

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1086	1.3084	.44127	1.2794	.71450	.07991	.51006	.18890	.06625	.27843	.27843	.18216	11.296	.41690
Stddev	.0091	.0096	.00005	.0024	.00048	.00011	.00068	.00051	.00019	.00259	.00259	.00074	.004	.00284
%RSD	.81867	.73592	.01152	.18422	.06717	.13451	.13376	.26892	.29134	.92935	.92935	.40835	.03662	.68230
#1	1.1022	1.3016	.44130	1.2811	.71416	.07983	.50957	.18854	.06611	.27660	.27660	.18164	11.299	.41489
#2	1.1150	1.3152	.44123	1.2778	.71484	.07999	.51054	.18926	.06639	.28026	.28026	.18269	11.293	.41891

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14418	.28292	.02526	.31545
Stddev	.00024	.00241	.00012	.00013
%RSD	.16680	.85347	.49054	.04266
#1	.14435	.28121	.02517	.31535
#2	.14401	.28463	.02535	.31554

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3352.6	53190.	5715.6
Stddev	2.3	174.	17.4
%RSD	.06976	.32796	.30398
#1	3350.9	53314.	5703.3
#2	3354.2	53067.	5727.9

Sample Name: ICAL2 Acquired: 5/3/2012 10:32:14 Type: Cal
Method: 6500_025(v2) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.4957	.24143	.66489	2.4355	.27266	.60962	.14449
Stddev	.0077	.00145	.00180	.0040	.00085	.00521	.00136
%RSD	.17204	.59870	.27007	.16317	.31107	.85540	.94147
#1	4.5012	.24245	.66616	2.4383	.27326	.60593	.14353
#2	4.4902	.24041	.66362	2.4327	.27206	.61330	.14545

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3242.8	50884.	5657.6
Stddev	2.8	279.	45.2
%RSD	.08783	.54917	.79882
#1	3240.8	51081.	5625.6
#2	3244.8	50686.	5689.5

Sample Name: S1-1390954 Acquired: 5/3/2012 10:34:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0089	1.0082	1.9973	1.0018	1.0007	.99563	-.00119	9.9613	1.0022	1.0007	1.0000	1.0098	5.0322
Stddev	.0129	.0032	.0108	.0003	.0018	.00170	.00035	.0067	.0000	.0002	.0023	.0109	.0004
%RSD	1.2820	.32240	.53963	.03014	.18242	.17091	29.606	.06727	.00223	.02169	.22746	1.0759	.00695
#1	1.0181	1.0059	2.0049	1.0020	.99944	.99683	-.00144	9.9661	1.0023	1.0009	1.0016	1.0175	5.0325
#2	.99978	1.0105	1.9897	1.0016	1.0020	.99443	-.00094	9.9566	1.0022	1.0006	.99842	1.0021	5.0320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	100.24	1.9931	40.524	1.0110	1.0005	9.9649	10.223	.99944	2.0040	2.0016	.00966	2.0062	2.0120
Stddev	.26	.0001	.492	.0113	.0000	.0215	.074	.00004	.0055	.0020	.00292	.0076	.0017
%RSD	.25715	.00312	1.2146	1.1200	.00328	.21536	.72564	.00398	.27254	.09885	30.177	.37853	.08581
#1	100.05	1.9931	40.872	1.0191	1.0006	9.9497	10.275	.99941	2.0078	2.0030	.01173	2.0008	2.0133
#2	100.42	1.9932	40.176	1.0030	1.0005	9.9800	10.170	.99947	2.0001	2.0002	.00760	2.0115	2.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9638	21.322	2.0004	1.0004	-.00216	1.0018	2.0031	.02409	1.0025	1.0144	1.0016
Stddev	.0275	.059	.0042	.0018	.00042	.0126	.0067	.00264	.0129	.0118	.0013
%RSD	.27619	.27619	.21118	.18187	19.428	1.2542	.33695	10.968	1.2867	1.1596	.13187
#1	9.9443	21.281	2.0034	.99915	-.00245	1.0107	2.0079	.02222	1.0116	1.0227	1.0006
#2	9.9832	21.364	1.9974	1.0017	-.00186	.99291	1.9983	.02596	.99338	1.0061	1.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3353.9	53097.	5713.6
Stddev	7.3	510.	12.5
%RSD	.21687	.96006	.21867
#1	3348.8	52737.	5704.8
#2	3359.0	53457.	5722.5

Sample Name: S2-1390956 Acquired: 5/3/2012 10:36:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00061	99.809	.00058	.00401	.00062	.00019	1.9757	.00691	.00019	.00117	.00094	-.00282
Stddev	.00043	.026	.00258	.00083	.00007	.00012	.0187	.00002	.00003	.00012	.00004	.00014
%RSD	71.575	.02655	447.10	20.619	11.657	63.753	.94798	.22420	15.581	10.523	3.8945	4.8746
#1	-.00030	99.791	-.00125	.00460	.00067	.00027	1.9624	.00692	.00017	.00126	.00097	-.00272
#2	-.00091	99.828	.00241	.00343	.00056	.00010	1.9889	.00690	.00021	.00108	.00092	-.00292
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	99.942	.07080	.00469	-.06832	.00030	.00128	499.95	.00281	.00631	-.00008	9.9400	.00429
Stddev	.252	.02254	.00008	.00462	.00008	.00030	.77	.00042	.00217	.00012	.0380	.00080
%RSD	.25237	31.833	1.6807	6.7596	27.138	23.680	.15467	14.992	34.331	154.53	.38224	18.634
#1	100.12	.05486	.00475	-.06505	.00036	.00106	500.50	.00311	.00784	-.00016	9.9132	.00486
#2	99.764	.08673	.00464	-.07158	.00024	.00149	499.41	.00251	.00478	.00001	9.9669	.00373
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00778	.06181	.13227	.00381	.00078	10.071	.01146	.00067	20.311	-.00488	.00202	-.05282
Stddev	.00208	.00049	.00106	.00115	.00006	.015	.00029	.00084	.021	.00024	.00038	.00099
%RSD	26.756	.79953	.79953	30.118	8.0489	.14569	2.5719	125.44	.10400	4.9665	19.004	1.8687
#1	.00630	.06146	.13152	.00300	.00083	10.060	.01167	.00127	20.326	-.00471	.00230	-.05212
#2	.00925	.06216	.13302	.00462	.00074	10.081	.01125	.00008	20.296	-.00505	.00175	-.05352
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3199.3	50127.	5631.6
Stddev	14.0	172.	15.0
%RSD	.43791	.34384	.26615
#1	3209.2	50248.	5642.2
#2	3189.4	50005.	5621.0

Sample Name: ICVH-1380902 Acquired: 5/3/2012 10:39:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00053	39.471	.00142	.00205	.00010	.00006	.50398	38.384	.00025	.00100	.00046	-.00068
Stddev	.00062	.041	.00306	.00001	.00005	.00005	.00339	.073	.00001	.00021	.00003	.00037
%RSD	117.00	.10321	214.84	.36410	52.559	85.575	.67334	.18929	4.7297	21.414	6.4110	54.715
#1	-.00009	39.442	.00359	.00205	.00006	.00002	.50638	38.333	.00025	.00085	.00048	-.00095
#2	-.00096	39.500	-.00074	.00204	.00014	.00009	.50158	38.436	.00024	.00116	.00044	-.00042
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	79.535	.04445	.00319	-.02101	.00052	-.00083	40.594	.00001	.00399	-.00049	3.8032	.00068
Stddev	.202	.03055	.00151	.00129	.00007	.00017	.039	.00014	.00237	.00012	.0038	.00010
%RSD	.25449	68.723	47.290	6.1524	14.490	20.819	.09518	1085.1	59.425	24.318	.10103	15.335
#1	79.392	.02285	.00212	-.02009	.00057	-.00071	40.567	.00011	.00567	-.00057	3.8059	.00076
#2	79.678	.06605	.00426	-.02192	.00046	-.00095	40.622	-.00009	.00231	-.00041	3.8005	.00061
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00114	.03242	.06937	.00121	.00049	2.9967	.00331	-.00147	W 5.2940	-.00115	2.4653	-.01449
Stddev	.00309	.01455	.03114	.00089	.00002	.0036	.00001	.00018	.0121	.00015	.0006	.00034
%RSD	270.40	44.890	44.890	73.211	3.8821	.11907	.20497	12.559	.22957	12.787	.02324	2.3175
#1	-.00333	.02213	.04735	.00184	.00047	2.9942	.00331	-.00160	5.2854	-.00126	2.4649	-.01426
#2	.00104	.04271	.09139	.00058	.00050	2.9992	.00330	-.00134	5.3026	-.00105	2.4657	-.01473
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									5.0000			
Range									5.4900%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3348.2	52259.	5648.7
Stddev	12.6	86.	16.0
%RSD	.37765	.16478	.28356
#1	3339.3	52198.	5660.1
#2	3357.1	52319.	5637.4

Sample Name: ICV-1383584 Acquired: 5/3/2012 10:42:52 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24990	.25697	.23635	.24230	.24812	.23904	-.00192	1.9526	.24618	.24802	.24848	.25390
Stddev	.00014	.00306	.00224	.00207	.00157	.00119	.00247	.0155	.00132	.00118	.00168	.00038
%RSD	.05687	1.1903	.94812	.85453	.63352	.49895	128.73	.79590	.53551	.47773	.67572	.14786
#1	.24980	.25481	.23793	.24083	.24701	.23820	-.00367	1.9416	.24525	.24718	.24729	.25417
#2	.25000	.25913	.23476	.24376	.24923	.23988	-.00017	1.9636	.24711	.24885	.24967	.25364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24974	19.882	.24951	9.8844	.25566	.24530	1.9267	.24867	W 1.8847	.24805	.00256	.23855
Stddev	.00364	.089	.00196	.0208	.00008	.00124	.0019	.00119	.0097	.00225	.00299	.00006
%RSD	1.4571	.44777	.78692	.21075	.03123	.50750	.09646	.47928	.51465	.90680	117.12	.02585
#1	.24717	19.819	.24813	9.8696	.25572	.24442	1.9280	.24783	1.8778	.24646	.00467	.23859
#2	.25231	19.944	.25090	9.8991	.25560	.24618	1.9254	.24951	1.8916	.24964	.00044	.23850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.4900%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48867	1.9824	4.2424	.49679	.24794	-.00150	.24685	.52005	.00704	.24691	.24868	.23987
Stddev	.00898	.0151	.0323	.00060	.00148	.00045	.00006	.00674	.01113	.00008	.00009	.00244
%RSD	1.8385	.76159	.76159	.12004	.59731	30.285	.02608	1.2959	157.97	.03086	.03728	1.0158
#1	.48232	1.9717	4.2195	.49637	.24689	-.00118	.24681	.51529	-.00082	.24697	.24861	.23815
#2	.49502	1.9931	4.2652	.49722	.24899	-.00182	.24690	.52482	.01491	.24686	.24874	.24160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3408.4	54061.	5795.5
Stddev	17.4	153.	13.2
%RSD	.51119	.28323	.22698
#1	3420.7	53953.	5804.8
#2	3396.0	54170.	5786.2

Sample Name: ICVL1397430 Acquired: 5/3/2012 10:46:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01031	.10707	.01054	.09769	.01001	.00094	.10778	.20062	.00509	.01053	.01013	.01597	.10154
Stddev	.00018	.00035	.00065	.00055	.00003	.00004	.00108	.00109	.00010	.00019	.00010	.00016	.00110
%RSD	1.7006	.32228	6.1299	.56294	.27517	4.7418	1.0025	.54230	2.0073	1.7706	.99561	.97650	1.0814
#1	.01019	.10682	.01008	.09808	.01002	.00097	.10701	.20139	.00502	.01040	.01020	.01586	.10232
#2	.01043	.10731	.01100	.09730	.00999	.00091	.10854	.19986	.00516	.01067	.01006	.01608	.10077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0875	F .01314	.20622	.01054	.02010	.96636	.04134	2.8313	.00931	-.00537	.00943	.01533	.51019
Stddev	.0050	.00244	.00248	.00002	.00013	.00457	.00010	.0184	.00038	.00210	.00079	.00420	.00575
%RSD	.16159	18.594	1.2033	.16392	.66708	.47309	.24499	.65110	4.0935	39.183	8.3381	27.367	1.1276
#1	3.0910	.01141	.20446	.01055	.02019	.96959	.04127	2.8183	.00904	-.00685	.00998	.01830	.51425
#2	3.0839	.01486	.20797	.01053	.02001	.96313	.04141	2.8444	.00958	-.00388	.00887	.01236	.50612
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0918	.10151	.01016	.01563	.00985	.01494	.07556	.00955	.02355	.01520
Stddev	.0123	.00105	.00004	.00154	.00023	.00019	.01794	.00041	.00037	.00027
%RSD	1.1276	1.0347	.35271	9.8522	2.3063	1.2967	23.747	4.2703	1.5662	1.7462
#1	1.1005	.10225	.01019	.01454	.01001	.01508	.08825	.00984	.02381	.01539
#2	1.0831	.10077	.01014	.01672	.00969	.01481	.06288	.00926	.02329	.01501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3452.7	54684.	5812.3
Stddev	3.6	87.	31.1
%RSD	.10551	.16000	.53488
#1	3450.1	54622.	5790.3
#2	3455.2	54746.	5834.2

Sample Name: CCVH-1390999 Acquired: 5/3/2012 10:48:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00077	49.611	-.00442	.00193	.00031	-.00003	1.0093	.00202	-.00005	.00041	.00029	-.00176	49.613
Stddev	.00039	.246	.00108	.00076	.00005	.00003	.0024	.00147	.00002	.00023	.00014	.00003	.306
%RSD	50.372	.49552	24.332	39.442	17.215	136.82	.23495	72.870	36.334	55.434	48.629	1.9073	.61629
#1	-.00105	49.785	-.00518	.00139	.00028	-.00005	1.0110	.00098	-.00007	.00057	.00019	-.00173	49.829
#2	-.00050	49.438	-.00366	.00247	.00035	.00000	1.0077	.00305	-.00004	.00025	.00039	-.00178	49.397
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01329	.00253	-.03671	.00003	-.00079	248.20	.00151	.00199	.00022	4.9438	-.00108	-.00160	.03616
Stddev	.01744	.00080	.00252	.00003	.00024	.73	.00001	.00128	.00085	.0008	.00049	.00263	.01036
%RSD	131.30	31.731	6.8632	100.19	31.122	.29518	.54683	64.016	380.86	.01633	44.996	164.57	28.657
#1	.02562	.00197	-.03849	.00001	-.00061	248.72	.00151	.00109	-.00038	4.9432	-.00074	-.00346	.04348
#2	.00095	.00310	-.03493	.00005	-.00096	247.68	.00150	.00290	.00083	4.9444	-.00142	.00026	.02883
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07737	.00125	.00028	4.9642	.00560	-.00113	10.254	-.00300	.00253	-.02587
Stddev	.02217	.00106	.00004	.0491	.00019	.00060	.093	.00028	.00018	.00544
%RSD	28.657	84.667	15.659	.98861	3.3083	53.236	.90262	9.2762	7.0147	21.026
#1	.09305	.00050	.00031	4.9989	.00547	-.00071	10.320	-.00280	.00266	-.02971
#2	.06170	.00200	.00025	4.9295	.00573	-.00156	10.189	-.00319	.00241	-.02202
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3338.7	52592.	5790.7
Stddev	9.5	788.	72.0
%RSD	.28484	1.4991	1.2425
#1	3345.4	52035.	5739.9
#2	3332.0	53150.	5841.6

Sample Name: CCV-1390955 Acquired: 5/3/2012 10:50:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50616	.50861	.98688	.49394	.49663	.48777	-.00006	4.8886	.49663	.50262	.50033	.51120	2.4925
Stddev	.00199	.00189	.00311	.00321	.00027	.00065	.00158	.0254	.00077	.00013	.00025	.00356	.0001
%RSD	.39365	.37171	.31467	.65053	.05388	.13254	2534.0	.52023	.15510	.02682	.05083	.69616	.00271
#1	.50757	.50728	.98908	.49622	.49682	.48732	.00105	4.8706	.49717	.50252	.50015	.51372	2.4924
#2	.50475	.50995	.98469	.49167	.49644	.48823	-.00118	4.9066	.49608	.50272	.50051	.50868	2.4925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.685	.98163	20.208	.50925	.49930	4.8357	.50091	.97526	1.0151	-.00237	.98691	.99132	4.8415
Stddev	.006	.00022	.008	.00112	.00065	.0024	.00105	.00023	.0019	.00021	.00319	.00483	.0406
%RSD	.01218	.02234	.03761	.21916	.13061	.05070	.20920	.02348	.19046	8.8327	.32372	.48744	.83939
#1	49.689	.98148	20.213	.51004	.49884	4.8340	.50017	.97510	1.0137	-.00252	.98465	.98790	4.8128
#2	49.681	.98179	20.202	.50846	.49976	4.8374	.50165	.97542	1.0164	-.00222	.98917	.99473	4.8703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.361	1.0017	.49532	-.00192	.50066	1.0175	-.00704	.50194	.50516	.49622
Stddev	.087	.0029	.00015	.00176	.00041	.0010	.00173	.00014	.00115	.00035
%RSD	.83939	.29209	.03034	91.833	.08252	.09457	24.640	.02755	.22806	.07120
#1	10.299	.99959	.49542	-.00317	.50095	1.0168	-.00581	.50184	.50598	.49647
#2	10.422	1.0037	.49521	-.00067	.50037	1.0181	-.00826	.50203	.50435	.49597
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3370.7	53116.	5807.3
Stddev	5.5	170.	10.1
%RSD	.16418	.31988	.17414
#1	3374.6	52995.	5800.1
#2	3366.8	53236.	5814.4

Sample Name: ICB Acquired: 5/3/2012 10:53:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.00027	W -.00515	-.00010	.00008	.00007	-.00123	-.00184	.00007	.00010	-.00001
Stddev	.00047	.00023	.00368	.00004	.00003	.00004	.00025	.00115	.00010	.00014	.00001
%RSD	529.28	84.870	71.477	44.491	34.657	52.806	20.060	62.399	138.79	137.64	171.25
#1	.00025	.00042	-.00254	-.00013	.00006	.00009	-.00105	-.00103	.00014	.00020	-.00002
#2	-.00042	.00011	-.00775	-.00007	.00010	.00004	-.00140	-.00265	.00000	.00000	.00000
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.00036	.05817	.00031	-.00251	.00001	.00065	-.06596	.00021	.00098	-.00044
Stddev	.00032	.00202	.02509	.00011	.00201	.00001	.00064	.00430	.00025	.00008	.00020
%RSD	319.63	566.64	43.128	35.284	80.041	106.23	97.353	6.5215	122.90	7.6743	45.614
#1	.00012	-.00107	.04043	.00024	-.00109	.00000	.00020	-.06900	.00039	.00093	-.00030
#2	-.00032	.00179	.07591	.00039	-.00393	.00002	.00110	-.06292	.00003	.00104	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00171	.00100	-.00272	.02394	.05123	-.00018	-.00002	.00043	.00025	-.00100	-.00415
Stddev	.00068	.00219	.00056	.00868	.01857	.00023	.00005	.00132	.00008	.00129	.01226
%RSD	39.770	219.72	20.692	36.252	36.252	126.29	229.83	309.71	31.557	128.98	295.32
#1	-.00123	-.00055	-.00232	.01780	.03810	-.00002	.00001	.00136	.00031	-.00192	-.01282
#2	-.00219	.00254	-.00312	.03007	.06436	-.00035	-.00005	-.00051	.00019	-.00009	.00452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00049	.00315	-.00047
Stddev	.00018	.00014	.00149
%RSD	36.235	4.5179	318.08
#1	-.00036	.00305	-.00152
#2	-.00062	.00325	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3424.3	53887.	5636.7
Stddev	27.3	64.	29.4
%RSD	.79632	.11961	.52193
#1	3405.0	53841.	5657.5
#2	3443.6	53933.	5615.9

Sample Name: CRI-1397431 Acquired: 5/3/2012 10:55:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01049	.10992	W .00610	.09952	.00540	.00102	.11026	.20546	.00528	.00538	.01071	.01079
Stddev	.00043	.00028	.00343	.00041	.00013	.00003	.00284	.00051	.00008	.00011	.00010	.00043
%RSD	4.1282	.25846	56.204	.41030	2.4202	2.5356	2.5742	.24742	1.4444	2.0216	.90785	4.0204
#1	.01080	.11013	.00368	.09924	.00549	.00100	.11227	.20582	.00534	.00530	.01064	.01110
#2	.01018	.10972	.00853	.09981	.00531	.00104	.10825	.20510	.00523	.00546	.01078	.01048
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			-20.490%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03241	1.0767	W .01421	.21305	.00334	.01041	.96008	.01066	.98001	W .00172	.10280	.00875
Stddev	.00003	.0173	.00042	.00061	.00001	.00026	.00490	.00001	.00062	.00087	.00521	.00167
%RSD	.08238	1.6089	2.9738	.28765	.21421	2.5128	.51036	.12212	.06352	50.451	5.0681	19.116
#1	.03243	1.0889	.01451	.21262	.00334	.01059	.95661	.01065	.97957	.00234	.10648	.00993
#2	.03239	1.0644	.01391	.21349	.00333	.01022	.96354	.01067	.98045	.00111	.09912	.00756
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value			.01000							.00300		
Range			20.490%							-20.490%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00860	.50246	1.0753	.02076	.00526	.01012	.00989	.01102	.06146	.00962	W .01296	.00912
Stddev	.00008	.00916	.0196	.00045	.00001	.00080	.00013	.00032	.01165	.00057	.00007	.00040
%RSD	.91559	1.8229	1.8229	2.1476	.12664	7.8735	1.2772	2.8910	18.952	5.8862	.52572	4.4026
#1	.00855	.49598	1.0614	.02107	.00527	.00956	.00980	.01080	.05323	.01003	.01301	.00883
#2	.00866	.50893	1.0891	.02044	.00526	.01068	.00997	.01125	.06970	.00922	.01291	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value											.01000	
Range											20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3438.6	54524.	5796.3
Stddev	11.0	155.	1.4
%RSD	.32011	.28348	.02418
#1	3430.8	54414.	5797.3
#2	3446.3	54633.	5795.3

Sample Name: X Acquired: 5/3/2012 11:01:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00070	.01417	-.00032	.00003	.00003	-.00409	-.00155	-.00003	.00012
Stddev	.00003	.00010	.00360	.00062	.00009	.00002	.00137	.00081	.00003	.00030
%RSD	15.478	13.885	25.367	193.53	366.95	53.892	33.446	52.471	126.28	260.41
#1	.00020	-.00063	.01163	-.00076	.00009	.00002	-.00506	-.00212	.00000	-.00010
#2	.00016	-.00077	.01671	.00012	-.00004	.00004	-.00312	-.00097	-.00005	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	-.00010	.00077	.03165	.00012	-.00120	-.00001	-.00001	-.08170	.00009
Stddev	.00012	.00015	.00039	.05159	.00205	.00005	.00002	.00028	.00421	.00015
%RSD	292.56	147.70	50.282	162.98	1765.7	3.8360	282.68	4504.9	5.1550	173.23
#1	.00004	-.00021	.00104	.06813	.00156	-.00123	-.00003	-.00020	-.07872	.00019
#2	-.00013	.00000	.00050	-.00482	-.00133	-.00116	.00001	.00019	-.08467	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00968	-.00194	-.00236	-.00201	.02653	.05677	-.00066	-.00001	.00038
Stddev	.00143	.00034	.00263	.00032	.00030	.01044	.02233	.00023	.00001	.00029
%RSD	271.62	3.5157	135.59	13.657	14.953	39.342	39.342	35.535	81.548	76.312
#1	-.00049	.00944	-.00008	-.00213	-.00222	.01915	.04098	-.00082	-.00002	.00017
#2	.00154	.00992	-.00380	-.00258	-.00180	.03391	.07256	-.00049	-.00001	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	-.00183	.00342	-.00024	.02081	.00093
Stddev	.00027	.00019	.01879	.00010	.00097	.00004
%RSD	1563.0	10.440	548.65	40.054	4.6392	4.3742
#1	-.00020	-.00169	.01671	-.00018	.02012	.00096
#2	.00017	-.00196	-.00986	-.00031	.02149	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3396.7	53885.	5688.7
Stddev	.8	576.	55.8
%RSD	.02465	1.0680	.98069
#1	3397.3	54292.	5728.2
#2	3396.1	53478.	5649.3

Sample Name: CRI-1398063 Acquired: 5/3/2012 11:04:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	-.00001	.01884	.00021	.00020	.00002	-.00069	.00217	-.00006	-.00012
Stddev	.00009	.00010	.00253	.00005	.00001	.00001	.00092	.00079	.00014	.00005
%RSD	208.56	1000.6	13.442	25.266	6.7086	61.627	133.55	36.613	216.82	46.307
#1	.00002	.00006	.02063	.00025	.00021	.00002	-.00134	.00161	.00003	-.00015
#2	-.00010	-.00008	.01705	.00017	.00019	.00001	-.00004	.00273	-.00016	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00002	.00017	.00778	.00209	-.00094	-.00002	-.00038	-.08528	-.00028
Stddev	.00001	.00010	.00125	.01256	.00056	.00052	.00001	.00038	.00296	.00012
%RSD	4.2063	531.10	727.78	161.54	26.891	54.597	26.074	98.816	3.4723	44.615
#1	.00028	.00009	-.00071	.01666	.00249	-.00131	-.00002	-.00065	-.08738	-.00036
#2	.00026	-.00005	.00105	-.00111	.00169	-.00058	-.00003	-.00011	-.08319	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00081	.00936	-.00157	-.00109	-.00026	.01436	.03072	-.00055	.00000	.00027
Stddev	.00115	.00077	.00209	.00018	.00663	.00478	.01023	.00010	.00002	.00055
%RSD	142.38	8.2412	133.47	16.888	2524.7	33.306	33.306	18.099	701.29	205.18
#1	.00162	.00882	-.00305	-.00122	-.00495	.01774	.03796	-.00062	-.00001	.00066
#2	-.00001	.00991	-.00009	-.00096	.00443	.01098	.02349	-.00048	.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	-.00185	-.00166	-.00038	.02046	.00024
Stddev	.00011	.00320	.01136	.00009	.00022	.00129
%RSD	122.33	173.38	684.21	23.717	1.0832	539.10
#1	-.00001	-.00411	.00637	-.00045	.02031	.00116
#2	-.00016	.00042	-.00969	-.00032	.02062	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3397.7	54167.	5734.7
Stddev	3.9	195.	26.3
%RSD	.11373	.35956	.45870
#1	3395.0	54305.	5753.3
#2	3400.5	54030.	5716.1

Sample Name: ICSA-1363295 Acquired: 5/3/2012 11:10:04 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	493.85	.00151	-.00432	.00059	.00005	-.00010	458.84	.00067	-.00073	W .00261
Stddev	.00016	.25	.00544	.00144	.00021	.00003	.00239	4.37	.00007	.00033	.00034
%RSD	240.87	.05159	360.62	33.426	35.043	58.288	2481.8	.95139	10.719	44.802	13.131
#1	.00005	494.03	.00536	-.00330	.00045	.00003	.00160	455.75	.00062	-.00050	.00285
#2	-.00017	493.67	-.00234	-.00534	.00074	.00007	-.00179	461.92	.00072	-.00096	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit											.00133
Low Limit											-.00133

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00449	189.09	-.02245	W .00651	501.83	.00023	-.00369	-.03200	-.00072	-.00098	.00336
Stddev	.00022	.41	.00483	.00230	4.47	.00004	.00015	.01186	.00015	.00563	.00051
%RSD	4.9750	.21446	21.534	35.315	.89048	18.762	4.0483	37.054	21.018	574.31	15.204
#1	.00433	189.38	-.02587	.00813	504.99	.00026	-.00380	-.04038	-.00083	.00300	.00300
#2	.00465	188.81	-.01903	.00488	498.67	.00020	-.00359	-.02361	-.00062	-.00496	.00372
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00522							
Low Limit	-.00272			-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00220	.00253	-.00660	W .02668	.05709	-.00201	W .00184	W -.01546	.00043	-.00060	.03548
Stddev	.00205	.00194	.00638	.00743	.01589	.00005	.00009	.00228	.00029	.00234	.00540
%RSD	93.083	76.652	96.683	27.838	27.838	2.4281	4.7858	14.773	66.879	390.11	15.206
#1	-.00075	.00390	-.00209	.02143	.04585	-.00198	.00178	-.01385	.00063	.00106	.03930
#2	-.00365	.00116	-.01112	.03193	.06833	-.00205	.00190	-.01708	.00022	-.00226	.03167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00694			.00050	.00800			
Low Limit				-.06940			-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00110	.00119	.00051
Stddev	.00053	.00097	.00097
%RSD	48.060	82.120	192.90
#1	.00073	.00188	-.00018
#2	.00147	.00050	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3023.3	46699.	5702.3
Stddev	5.8	25.	20.2
%RSD	.19099	.05392	.35445
#1	3019.2	46682.	5688.0
#2	3027.4	46717.	5716.6

Sample Name: ICSAB-1380196 Acquired: 5/3/2012 11:12:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0909	489.96	1.9294	1.8219	.48581	.46654	.99730	447.98	.99717	.45013	.47166	.54366	187.19	51.282
Stddev	.0065	.10	.0011	.0030	.00045	.00056	.00269	7.15	.00071	.00107	.00159	.00126	.07	.128
%RSD	.59659	.01993	.05744	.16268	.09189	.11905	.26931	1.5967	.07100	.23696	.33756	.23216	.03970	.25003
#1	1.0863	490.03	1.9286	1.8198	.48613	.46693	.99540	442.92	.99667	.44937	.47053	.54277	187.14	51.191
#2	1.0955	489.89	1.9302	1.8240	.48550	.46614	.99920	453.04	.99768	.45088	.47279	.54455	187.24	51.373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0196	498.25	.50071	.93241	51.120	.88258	1.8772	.87316	.99267	.92335	4.7210	9.7110	20.782	8.7648
Stddev	.0034	2.03	.00213	.00189	.308	.00252	.0037	.00455	.00155	.00909	.0082	.0091	.019	.0245
%RSD	.33542	.40748	.42605	.20241	.60313	.28511	.19706	.52066	.15565	.98493	.17276	.09358	.09358	.27923
#1	1.0221	496.81	.49920	.93107	50.902	.88080	1.8746	.86995	.99158	.91691	4.7153	9.7046	20.768	8.7475
#2	1.0172	499.68	.50222	.93374	51.338	.88436	1.8798	.87638	.99377	.92978	4.7268	9.7174	20.795	8.7821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97672	2.0241	.97724	8.2642	.01785	.49035	.94979	.96046
Stddev	.00142	.0055	.00250	.0030	.02366	.00014	.00349	.00094
%RSD	.14564	.26975	.25627	.03641	132.53	.02761	.36768	.09814
#1	.97772	2.0203	.97547	8.2621	.00112	.49044	.94732	.96112
#2	.97571	2.0280	.97901	8.2663	.03459	.49025	.95226	.95979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3046.6	46698.	5744.9
Stddev	6.3	65.	18.1
%RSD	.20599	.13996	.31504
#1	3051.0	46744.	5757.7
#2	3042.1	46652.	5732.1

Sample Name: LRA-1341785 Acquired: 5/3/2012 11:15:07 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0658	.06876	9.7308	9.5742	11.779	.00248	-.00619	.00652	1.9811	4.9003	9.7187	10.682	502.27
Stddev	.0009	.00239	.0153	.0024	.143	.00003	.00613	.00216	.0035	.0025	.0063	.102	1.23
%RSD	.04537	3.4714	.15760	.02544	1.2142	1.3275	99.113	33.150	.17559	.05187	.06472	.95608	.24445
#1	2.0651	.06707	9.7200	9.5725	11.880	.00250	-.01052	.00804	1.9786	4.8985	9.7143	10.755	503.14
#2	2.0665	.07045	9.7417	9.5760	11.677	.00246	-.00185	.00499	1.9835	4.9021	9.7232	10.610	501.40
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.06648	.00098	-.05629	10.123	4.8598	-.08214	9.7892	.00946	9.9185	.00607	-.01028	4.8921	47.941
Stddev	.00815	.00033	.00367	.003	.0024	.00248	.0081	.00383	.0153	.00554	.00261	.0276	.271
%RSD	12.265	33.746	6.5132	.03108	.04974	3.0171	.08275	40.498	.15432	91.227	25.370	.56333	.56469
#1	-.06071	.00122	-.05370	10.125	4.8581	-.08039	9.7835	.00675	9.9076	.00998	-.00844	4.8726	47.750
#2	-.07225	.00075	-.05888	10.121	4.8616	-.08390	9.7949	.01217	9.9293	.00215	-.01213	4.9116	48.132
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	102.59	.00644	9.9414	-.03825	9.9552	4.9589	.03551	9.9578	9.8378	.00098
Stddev	.58	.00012	.0300	.00035	.0172	.0125	.00727	.0019	.0306	.00034
%RSD	.56469	1.8404	.30213	.92083	.17316	.25144	20.464	.01946	.31060	34.782
#1	102.18	.00653	9.9627	-.03850	9.9430	4.9501	.04064	9.9564	9.8162	.00122
#2	103.00	.00636	9.9202	-.03800	9.9674	4.9677	.03037	9.9591	9.8594	.00074
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3364.5	52700.	5833.9
Stddev	8.0	140.	39.1
%RSD	.23686	.26482	.67029
#1	3370.1	52799.	5806.3
#2	3358.8	52601.	5861.6

Sample Name: CCVH-1390999 Acquired: 5/3/2012 11:17:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	49.403	-.00016	.01100	.00094	.00002	1.0055	.00205	.00007	.00054	.00044	-.00015
Stddev	.00025	.009	.00016	.00228	.00021	.00010	.0085	.00029	.00000	.00019	.00007	.00008
%RSD	182.10	.01824	101.61	20.743	22.726	488.24	.84626	14.184	6.2862	35.755	16.109	54.590
#1	.00004	49.396	-.00028	.01262	.00109	-.00005	1.0115	.00226	.00007	.00068	.00039	-.00021
#2	-.00032	49.409	-.00005	.00939	.00079	.00009	.99948	.00185	.00007	.00040	.00049	-.00009
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.501	.01180	.00302	-.03204	.00033	.00682	249.33	.00172	.00268	.00034	4.8941	-.00268
Stddev	.152	.02900	.00097	.00253	.00004	.00221	.21	.00015	.00030	.00006	.0377	.00045
%RSD	.30635	245.70	32.066	7.8976	10.747	32.357	.08349	8.4650	11.263	18.465	.76994	16.851
#1	49.609	.03231	.00370	-.03383	.00030	.00526	249.47	.00162	.00247	.00039	4.9208	-.00236
#2	49.394	-.00870	.00233	-.03025	.00035	.00838	249.18	.00182	.00289	.00030	4.8675	-.00300
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00407	.07803	.16699	.00172	.00084	5.0540	.00817	.00033	W 10.572	-.00232	.00274	-.02568
Stddev	.00149	.02472	.05291	.00043	.00006	.0061	.00042	.00036	.044	.00013	.00004	.00106
%RSD	36.559	31.684	31.684	24.732	6.9493	.12147	5.1013	110.79	.41473	5.4041	1.6078	4.1343
#1	.00302	.09551	.20440	.00202	.00088	5.0497	.00787	.00007	10.603	-.00241	.00277	-.02493
#2	.00513	.06055	.12957	.00142	.00079	5.0584	.00846	.00058	10.541	-.00223	.00270	-.02643
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3288.8	51009.	5731.7
Stddev	22.5	313.	16.9
%RSD	.68407	.61416	.29429
#1	3272.9	51231.	5743.6
#2	3304.7	50788.	5719.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 11:20:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51340	.51401	.98558	.50025	.49621	.48673	-.00092	4.8146	.49857	.50560	.50372	.52230	2.5062
Stddev	.00071	.00244	.00143	.00240	.00234	.00348	.00256	.0272	.00206	.00109	.00027	.00168	.0035
%RSD	.13825	.47451	.14472	.48059	.47197	.71398	277.14	.56543	.41362	.21489	.05381	.32253	.13868
#1	.51390	.51228	.98457	.50195	.49455	.48427	-.00273	4.7954	.50003	.50637	.50353	.52111	2.5038
#2	.51290	.51573	.98659	.49855	.49786	.48918	.00088	4.8339	.49711	.50483	.50391	.52350	2.5087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.975	.97195	20.525	.51903	.50438	4.7296	.50257	.98230	1.0179	.00101	.99431	.99024	4.8609
Stddev	.176	.00556	.013	.00033	.00065	.0187	.00029	.00657	.0023	.00006	.00824	.00153	.0705
%RSD	.35253	.57220	.06271	.06336	.12807	.39446	.05719	.66843	.22567	5.7383	.82894	.15475	1.4502
#1	49.851	.96801	20.516	.51926	.50392	4.7164	.50277	.98694	1.0163	.00105	1.0001	.99132	4.8111
#2	50.100	.97588	20.534	.51879	.50484	4.7428	.50237	.97765	1.0195	.00097	.98848	.98915	4.9108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.402	1.0029	.49737	-.00086	.50289	1.0230	.01474	.50088	.51130	.49889
Stddev	.151	.0015	.00257	.00066	.00081	.0023	.00399	.00074	.00151	.00478
%RSD	1.4502	.15447	.51599	76.453	.16074	.22105	27.056	.14686	.29618	.95858
#1	10.296	1.0040	.49555	-.00132	.50232	1.0246	.01192	.50036	.51237	.49551
#2	10.509	1.0018	.49918	-.00039	.50347	1.0214	.01756	.50140	.51023	.50228
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3361.1	52668.	5792.1
Stddev	9.8	43.	7.7
%RSD	.29010	.08111	.13359
#1	3354.2	52638.	5797.6
#2	3368.0	52698.	5786.6

Sample Name: CCB Acquired: 5/3/2012 11:22:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00020	-.00190	.00242	.00014	.00001	.00140	-.00063	.00003	.00006	-.00012
Stddev	.00010	.00044	.00369	.00031	.00026	.00005	.00048	.00016	.00008	.00001	.00001
%RSD	63.558	216.20	194.47	12.992	180.66	592.28	34.149	25.014	263.34	15.035	6.6569
#1	.00008	.00051	-.00450	.00264	.00032	.00004	.00174	-.00052	.00009	.00006	-.00012
#2	.00022	-.00011	.00071	.00220	-.00004	-.00003	.00106	-.00075	-.00003	.00007	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00260	-.00114	.00199	-.00252	.00000	.00117	W -.10612	.00014	-.00083	-.00054
Stddev	.00010	.00056	.02565	.00107	.00068	.00006	.00012	.00276	.00008	.00066	.00090
%RSD	34.583	21.554	2253.1	53.632	27.051	1572.8	10.634	2.6045	56.471	79.085	167.16
#1	.00021	.00220	-.01927	.00274	-.00204	.00004	.00108	-.10416	.00008	-.00129	.00010
#2	.00035	.00299	.01700	.00124	-.00300	-.00004	.00126	-.10807	.00019	-.00037	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00575	.00164	-.00173	.02953	.06320	-.00001	.00008	.00128	.00004	-.00116	-.00896
Stddev	.00197	.00070	.00002	.00928	.01986	.00187	.00004	.00011	.00004	.00213	.01591
%RSD	34.306	42.513	1.1027	31.428	31.428	17196.	50.798	8.5272	93.237	184.24	177.56
#1	-.00435	.00115	-.00172	.02297	.04916	-.00134	.00005	.00120	.00001	.00035	.00229
#2	-.00714	.00213	-.00175	.03610	.07725	.00131	.00011	.00136	.00007	-.00266	-.02021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00039	.00353	.00027
Stddev	.00020	.00001	.00163
%RSD	50.483	.33796	608.12
#1	-.00053	.00353	-.00088
#2	-.00025	.00352	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3418.5	54013.	5782.8
Stddev	1.4	137.	27.3
%RSD	.04209	.25410	.47167
#1	3417.5	54110.	5763.6
#2	3419.5	53916.	5802.1

Sample Name: CCVL1397430 Acquired: 5/3/2012 11:24:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01007	.10601	F .00936	.09886	.01010	.00101	.10853	.19574	.00524	.01039	.01041	.01608	.10204
Stddev	.00032	.00018	.00227	.00024	.00019	.00003	.00023	.00150	.00016	.00015	.00034	.00024	.00260
%RSD	3.2103	.17119	24.217	.24319	1.9186	3.0079	.21260	.76626	2.9692	1.4557	3.2430	1.4969	2.5515
#1	.01030	.10588	.01096	.09869	.00996	.00099	.10869	.19468	.00513	.01028	.01065	.01625	.10388
#2	.00984	.10614	.00776	.09903	.01023	.00103	.10836	.19680	.00535	.01049	.01017	.01591	.10020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0539	.01240	.20946	.01065	.02030	.91721	.04071	2.8126	.00908	-.00517	.00757	F .01014	.50528
Stddev	.0400	.00247	.00235	.00001	.00023	.00174	.00039	.0183	.00123	.00110	.00029	.00055	.01819
%RSD	1.3111	19.876	1.1211	.10713	1.1108	.19018	.94864	.65163	13.571	21.245	3.8595	5.4590	3.6001
#1	3.0822	.01066	.20779	.01066	.02014	.91598	.04098	2.8255	.00996	-.00439	.00737	.01053	.49242
#2	3.0256	.01415	.21112	.01064	.02046	.91845	.04044	2.7996	.00821	-.00595	.00778	.00975	.51815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0813	.10148	.01012	.01542	.00977	.01532	.06028	.00990	.02360	.01551
Stddev	.0389	.00107	.00004	.00044	.00006	.00052	.03578	.00007	.00024	.00197
%RSD	3.6001	1.0562	.39045	2.8778	.57341	3.4227	59.355	.75472	1.0143	12.678
#1	1.0538	.10224	.01015	.01573	.00973	.01570	.08558	.00995	.02344	.01690
#2	1.1088	.10072	.01009	.01510	.00981	.01495	.03498	.00984	.02377	.01412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3423.9	54184.	5911.8
Stddev	4.1	.	18.3
%RSD	.11911	.00021	.30947
#1	3421.0	54185.	5898.8
#2	3426.7	54184.	5924.7

Sample Name: mb 280-117570/1-a Acquired: 5/3/2012 11:27:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00964	-.00186	F .02448	.00038	.00006	-.00308	.02216	.00025	.00013
Stddev	.00025	.00018	.00041	.00003	.00005	.00001	.00179	.00048	.00002	.00010
%RSD	281.60	1.8153	21.773	.10299	13.132	22.679	57.961	2.1457	9.5185	75.300
#1	.00026	.00952	-.00215	.02446	.00042	.00005	-.00435	.02183	.00027	.00020
#2	-.00009	.00976	-.00158	.02450	.00035	.00007	-.00182	.02250	.00023	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00066	.01418	.01608	.00067	.00631	.00021	-.00001	.00804	-.00035
Stddev	.00001	.00001	.00172	.01177	.00026	.00144	.00002	.00018	.00182	.00014
%RSD	13.017	2.2685	12.094	73.211	39.441	22.898	7.9388	1855.7	22.677	41.713
#1	.00008	.00067	.01297	.00776	.00048	.00529	.00022	-.00014	.00675	-.00045
#2	.00006	.00064	.01540	.02441	.00085	.00733	.00020	.00012	.00933	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00451	-.00078	W .00554	-.00166	-.00355	F .14658	.31369	.01080	.00007	-.00041
Stddev	.00073	.00116	.00090	.00111	.00279	.02570	.05500	.00023	.00001	.00052
%RSD	16.119	147.56	16.317	66.903	78.591	17.533	17.533	2.1343	11.341	126.62
#1	.00400	-.00160	.00618	-.00088	-.00552	.12841	.27480	.01096	.00008	-.00078
#2	.00503	.00003	.00490	-.00245	-.00158	.16476	.35258	.01064	.00007	-.00004
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.01000				
Low Limit			-.00500			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	-.00285	.01962	-.00019	.00369	.00006
Stddev	.00006	.00197	.03296	.00002	.00005	.00083
%RSD	17.887	69.115	168.01	12.865	1.2632	1325.1
#1	.00028	-.00425	.04293	-.00017	.00365	.00065
#2	.00036	-.00146	-.00369	-.00021	.00372	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3456.3	55156.	5957.6
Stddev	1.3	401.	35.1
%RSD	.03742	.72662	.58854
#1	3455.4	54873.	5932.8
#2	3457.2	55440.	5982.4

Sample Name: lcs 280-117570/2-a Acquired: 5/3/2012 11:29:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05090	1.9136	.97224	1.0311	1.9715	.04880	2.0676	47.260	.09837	.48997
Stddev	.00033	.0099	.00632	.0022	.0038	.00011	.0004	.103	.00047	.00158
%RSD	.64758	.51609	.64992	.21373	.19223	.22599	.02014	.21784	.47861	.32314
#1	.05067	1.9066	.96777	1.0295	1.9742	.04888	2.0673	47.332	.09804	.48885
#2	.05113	1.9205	.97671	1.0326	1.9688	.04872	2.0679	47.187	.09871	.49109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19948	.26095	.99901	49.998	.98175	49.341	.51393	1.0005	51.034	.48689
Stddev	.00039	.00055	.00020	.097	.00068	.173	.00110	.0004	.163	.00095
%RSD	.19584	.21163	.01996	.19419	.06954	.34970	.21341	.03519	.31877	.19587
#1	.19920	.26056	.99915	50.067	.98224	49.219	.51315	1.0002	51.149	.48622
#2	.19975	.26134	.99887	49.930	.98127	49.463	.51470	1.0007	50.919	.48757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8042	.48229	.02239	.47958	1.9537	5.0720	10.854	1.9524	1.0023	1.0209
Stddev	.0235	.00091	.00545	.00072	.0019	.0210	.045	.0054	.0012	.0029
%RSD	.23939	.18876	24.335	.15067	.09963	.41302	.41302	.27829	.11536	.27870
#1	9.7876	.48294	.01854	.48009	1.9523	5.0572	10.822	1.9486	1.0031	1.0189
#2	9.8208	.48165	.02625	.47907	1.9551	5.0868	10.886	1.9562	1.0015	1.0229
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99385	1.9710	F 2.2005	.50377	.48974	.48411
Stddev	.00110	.0044	.0179	.00045	.00035	.00044
%RSD	.11080	.22184	.81103	.09021	.07162	.09175
#1	.99308	1.9680	2.1878	.50345	.48949	.48443
#2	.99463	1.9741	2.2131	.50409	.48999	.48380
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3265.9	51678.	5807.6
Stddev	5.5	163.	7.3
%RSD	.16788	.31561	.12589
#1	3269.8	51794.	5812.8
#2	3262.1	51563.	5802.4

Sample Name: 280-28178-a-1-d Acquired: 5/3/2012 11:31:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00067	57.777	.01677	.02519	.74780	.00349	-.00376	12.705	.00130	.02946
Stddev	.00039	.118	.00366	.00003	.00064	.00010	.00318	.042	.00002	.00017
%RSD	57.805	.20354	21.808	.13279	.08525	2.8488	84.615	.32742	1.8834	.56174
#1	-.00040	57.694	.01418	.02516	.74735	.00356	-.00601	12.675	.00131	.02958
#2	-.00095	57.860	.01935	.02521	.74825	.00342	-.00151	12.734	.00128	.02934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06051	.06659	62.474	14.361	.04560	10.973	2.4929	.00265	.20992	.04633
Stddev	.00015	.00013	.222	.027	.00132	.045	.0065	.00076	.01295	.00008
%RSD	.24042	.19413	.35611	.18841	2.8860	.40939	.25960	28.688	6.1691	.17982
#1	.06040	.06650	62.317	14.380	.04467	11.005	2.4975	.00211	.21908	.04627
#2	.06061	.06668	62.631	14.342	.04653	10.942	2.4883	.00318	.20077	.04639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.3705	.06031	1.0180	.00173	.00056	5.3312	11.409	.00869	.10415	.03202
Stddev	.0049	.00013	.0014	.00297	.00146	.0810	.173	.00045	.00026	.00008
%RSD	.20580	.20845	.13371	171.88	260.37	1.5198	1.5198	5.1261	.25006	.26487
#1	2.3670	.06022	1.0190	.00383	-.00047	5.3885	11.531	.00900	.10433	.03208
#2	2.3739	.06040	1.0171	-.00037	.00159	5.2739	11.286	.00837	.10396	.03196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2377	-.00214	F -.11556	.11669	.18683	.02185
Stddev	.0032	.00008	.00903	.00000	.00007	.00213
%RSD	.25785	3.6353	7.8133	.00282	.03983	9.7601
#1	1.2400	-.00208	-.12194	.11669	.18678	.02034
#2	1.2355	-.00219	-.10917	.11668	.18688	.02335
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3553.8	56029.	6323.5
Stddev	2.5	155.	2.8
%RSD	.07092	.27691	.04496
#1	3552.0	55920.	6321.5
#2	3555.6	56139.	6325.5

Sample Name: 280-28178-a-2-d Acquired: 5/3/2012 11:34:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00058	45.360	.01452	.01763	.51131	.00278	-.00400	7.6978	.00086	.02198
Stddev	.00038	.160	.00254	.00013	.00166	.00001	.00169	.0180	.00014	.00031
%RSD	65.952	.35322	17.484	.76114	.32472	.19712	42.334	.23354	15.829	1.4251
#1	-.00085	45.247	.01272	.01772	.51014	.00279	-.00520	7.6851	.00076	.02220
#2	-.00031	45.474	.01631	.01753	.51248	.00278	-.00280	7.7105	.00095	.02176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04512	.05161	48.571	10.234	.03680	8.0695	1.9368	.00125	.15338	.03454
Stddev	.00012	.00012	.063	.084	.00042	.0087	.0025	.00029	.01078	.00011
%RSD	.26849	.23747	.12983	.82393	1.1322	.10748	.13116	22.820	7.0256	.31902
#1	.04520	.05169	48.526	10.175	.03709	8.0633	1.9351	.00145	.16100	.03446
#2	.04503	.05152	48.616	10.294	.03650	8.0756	1.9386	.00105	.14576	.03462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8942	.04762	.74642	-.00023	-.00409	4.6763	10.007	.00729	.06552	.02517
Stddev	.0046	.00087	.00066	.00132	.00209	.0421	.090	.00014	.00025	.00134
%RSD	.24389	1.8244	.08782	567.97	50.965	.90101	.90101	1.9194	.37753	5.3171
#1	1.8975	.04700	.74688	-.00117	-.00557	4.7061	10.071	.00719	.06534	.02611
#2	1.8910	.04823	.74596	.00070	-.00262	4.6465	9.9435	.00739	.06569	.02422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1028	-.00343	F -.10761	.09400	.14744	.01442
Stddev	.0091	.00134	.02115	.00057	.00013	.00045
%RSD	.82722	39.215	19.659	.61009	.09031	3.0926
#1	1.1092	-.00248	-.12256	.09359	.14734	.01473
#2	1.0963	-.00438	-.09265	.09440	.14753	.01410
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3535.8	55681.	6254.8
Stddev	2.5	118.	19.4
%RSD	.07153	.21122	.31005
#1	3537.6	55764.	6241.1
#2	3534.0	55598.	6268.5

Sample Name: 280-28178-a-3-d Acquired: 5/3/2012 11:36:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00043	45.108	.01860	.01826	.56587	.00282	-.00214	7.7422	.00121	.02337
Stddev	.00022	.048	.00217	.00048	.00170	.00004	.00048	.0160	.00003	.00018
%RSD	51.354	.10613	11.680	2.6441	.30107	1.3144	22.483	.20696	2.2925	.77401
#1	-.00027	45.142	.01707	.01861	.56707	.00285	-.00180	7.7535	.00119	.02350
#2	-.00058	45.074	.02014	.01792	.56466	.00280	-.00248	7.7309	.00123	.02325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04527	.05210	48.784	10.351	.03862	8.1843	2.2055	.00253	.25561	.03690
Stddev	.00058	.00006	.059	.027	.00112	.0058	.0026	.00036	.01386	.00022
%RSD	1.2857	.12459	.12142	.25782	2.8962	.07095	.11782	14.314	5.4207	.59962
#1	.04569	.05215	48.825	10.370	.03783	8.1884	2.2073	.00279	.26541	.03706
#2	.04486	.05206	48.742	10.332	.03942	8.1802	2.2036	.00228	.24582	.03674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9931	.05154	.73206	.00112	.00248	4.7267	10.115	.01021	.06893	.02729
Stddev	.0044	.00052	.00804	.00275	.00050	.0144	.031	.00132	.00077	.00026
%RSD	.22249	1.0105	1.0979	245.01	20.311	.30367	.30367	12.976	1.1102	.96210
#1	1.9962	.05191	.72637	-.00082	.00284	4.7165	10.093	.00927	.06838	.02748
#2	1.9900	.05118	.73774	.00307	.00213	4.7368	10.137	.01115	.06947	.02711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0666	.00198	W -.09922	.09182	.15789	.01836
Stddev	.0091	.00149	.00404	.00011	.00117	.00017
%RSD	.85003	75.078	4.0760	.12230	.73813	.89980
#1	1.0730	.00303	-.09636	.09174	.15872	.01848
#2	1.0602	.00093	-.10208	.09190	.15707	.01824
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3548.2	55613.	6311.8
Stddev	10.8	111.	24.3
%RSD	.30356	.19914	.38440
#1	3540.6	55535.	6328.9
#2	3555.8	55692.	6294.6

Sample Name: 280-28178-a-4-d Acquired: 5/3/2012 11:38:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	48.387	.01780	.01717	.66787	.00305	-.00411	8.9448	.00113	.02735
Stddev	.00054	.051	.00283	.00016	.00023	.00004	.00017	.0134	.00011	.00015
%RSD	118.14	.10458	15.887	.91457	.03488	1.1828	4.2145	.14932	10.164	.56526
#1	-.00084	48.352	.01580	.01706	.66804	.00303	-.00399	8.9354	.00105	.02724
#2	-.00008	48.423	.01980	.01728	.66771	.00308	-.00423	8.9542	.00121	.02746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04974	.05949	54.154	11.185	.03899	9.1219	2.7372	.00128	.14236	.04122
Stddev	.00023	.00046	.030	.028	.00088	.0082	.0031	.00013	.01545	.00012
%RSD	.46445	.76660	.05474	.24783	2.2633	.08958	.11445	9.8662	10.856	.30243
#1	.04990	.05982	54.175	11.166	.03961	9.1162	2.7349	.00119	.15328	.04131
#2	.04957	.05917	54.134	11.205	.03836	9.1277	2.7394	.00137	.13143	.04113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1549	.05679	.84618	-.00091	-.00131	3.8393	8.2161	.00577	.07591	.02856
Stddev	.0011	.00112	.00129	.00226	.00093	.1239	.2651	.00106	.00014	.00001
%RSD	.05059	1.9772	.15231	248.64	70.760	3.2269	3.2269	18.378	.18566	.03033
#1	2.1557	.05759	.84527	-.00251	-.00196	3.9269	8.4035	.00652	.07581	.02856
#2	2.1541	.05600	.84709	.00069	-.00065	3.7517	8.0286	.00502	.07600	.02855
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0890	-.00441	F -.12341	.10004	.17125	.01766
Stddev	.0012	.00154	.01638	.00016	.00015	.00008
%RSD	.10923	34.903	13.269	.16237	.08877	.44337
#1	1.0899	-.00550	-.11183	.10015	.17136	.01760
#2	1.0882	-.00332	-.13499	.09992	.17114	.01771
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3550.7	55713.	6360.3
Stddev	4.3	96.	45.4
%RSD	.12170	.17164	.71311
#1	3553.7	55645.	6392.4
#2	3547.6	55781.	6328.3

Sample Name: 280-28178-a-5-d Acquired: 5/3/2012 11:41:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	46.024	.01757	.01810	.48311	.00260	-.00484	8.1229	.00091	.02106
Stddev	.00015	.149	.00212	.00025	.00127	.00006	.00088	.0577	.00008	.00023
%RSD	48.546	.32313	12.063	1.3997	.26314	2.1754	18.128	.71027	9.2639	1.0928
#1	-.00020	45.919	.01607	.01792	.48221	.00256	-.00546	8.0821	.00085	.02090
#2	-.00040	46.130	.01907	.01828	.48401	.00264	-.00422	8.1637	.00097	.02122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04461	.04680	50.403	11.142	.03746	8.5453	1.7914	.00109	.13215	.03542
Stddev	.00034	.00005	.062	.027	.00260	.0147	.0040	.00008	.01100	.00022
%RSD	.76079	.10629	.12309	.23897	6.9454	.17211	.22275	7.0303	8.3214	.62674
#1	.04485	.04677	50.359	11.123	.03562	8.5557	1.7942	.00103	.13992	.03558
#2	.04437	.04684	50.447	11.161	.03930	8.5349	1.7886	.00114	.12437	.03526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0199	.04560	.83767	.00078	-.00038	3.5487	7.5942	.00711	.06806	.02504
Stddev	.0028	.00076	.01295	.00186	.00010	.0389	.0833	.00005	.00018	.00053
%RSD	.13800	1.6724	1.5457	237.59	26.890	1.0967	1.0967	.75648	.26755	2.1353
#1	2.0179	.04506	.82851	-.00053	-.00045	3.5762	7.6531	.00708	.06793	.02466
#2	2.0218	.04614	.84682	.00210	-.00031	3.5212	7.5353	.00715	.06819	.02542
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0254	-.00219	F -.10744	.09421	.14309	.01445
Stddev	.0026	.00046	.01527	.00062	.00148	.00060
%RSD	.25648	20.943	14.211	.65548	1.0343	4.1794
#1	1.0273	-.00251	-.09664	.09377	.14414	.01403
#2	1.0235	-.00186	-.11824	.09464	.14204	.01488
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3519.9	55649.	6273.7
Stddev	7.2	33.	16.1
%RSD	.20528	.05953	.25618
#1	3514.8	55625.	6285.1
#2	3525.0	55672.	6262.4

Sample Name: 280-28178-a-6-d Acquired: 5/3/2012 11:43:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	55.733	.01914	.02020	.71353	.00330	-.00558	9.6885	.00089	.02859
Stddev	.00014	.094	.00187	.00015	.00071	.00005	.00035	.0001	.00004	.00003
%RSD	173.81	.16816	9.7587	.72295	.09936	1.4356	6.1846	.00150	4.1150	.09313
#1	-.00018	55.799	.02046	.02010	.71404	.00327	-.00534	9.6886	.00087	.02861
#2	.00002	55.667	.01782	.02031	.71303	.00333	-.00583	9.6884	.00092	.02857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05505	.06036	59.345	13.385	.04267	10.445	2.7552	.00081	.14702	.04599
Stddev	.00007	.00000	.027	.012	.00020	.002	.0015	.00013	.00749	.00023
%RSD	.13202	.00475	.04531	.08648	.47701	.01952	.05490	16.476	5.0912	.49711
#1	.05510	.06036	59.326	13.376	.04252	10.444	2.7541	.00072	.14173	.04583
#2	.05500	.06035	59.364	13.393	.04281	10.447	2.7562	.00091	.15231	.04615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1353	.05451	.82173	-.00061	-.00147	4.2320	9.0564	.00684	.07974	.02955
Stddev	.0060	.00155	.00837	.00174	.00637	.0440	.0941	.00044	.00012	.00113
%RSD	.27994	2.8449	1.0191	286.62	432.63	1.0388	1.0388	6.4651	.15542	3.8285
#1	2.1395	.05342	.82766	.00062	.00303	4.2630	9.1229	.00716	.07983	.02875
#2	2.1310	.05561	.81581	-.00184	-.00598	4.2009	8.9898	.00653	.07966	.03035
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2819	-.00339	F -.16025	.11016	.17158	.01907
Stddev	.0069	.00048	.01209	.00017	.00086	.00007
%RSD	.53625	14.278	7.5448	.15222	.50386	.39018
#1	1.2868	-.00305	-.15170	.11028	.17219	.01912
#2	1.2771	-.00373	-.16880	.11004	.17097	.01901
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3546.4	55437.	6325.1
Stddev	.7	271.	4.7
%RSD	.02112	.48866	.07497
#1	3545.8	55245.	6321.8
#2	3546.9	55628.	6328.5

Sample Name: 280-28178-a-7-d Acquired: 5/3/2012 11:45:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00055	55.380	.02370	.01665	.80224	.00344	-.00413	9.7466	.00125	.03056
Stddev	.00073	.105	.00228	.00123	.00016	.00000	.00078	.0622	.00003	.00018
%RSD	131.22	.18922	9.6014	7.3715	.01945	.12338	18.958	.63797	2.1364	.59180
#1	-.00004	55.454	.02209	.01578	.80235	.00344	-.00358	9.7906	.00127	.03043
#2	-.00107	55.306	.02531	.01752	.80212	.00344	-.00469	9.7026	.00123	.03069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05602	.06433	62.331	12.408	.04473	10.576	3.2594	.00146	.16110	.04720
Stddev	.00015	.00028	.155	.053	.00245	.030	.0054	.00019	.00622	.00058
%RSD	.27253	.43060	.24854	.42563	5.4808	.28328	.16577	13.252	3.8626	1.2306
#1	.05613	.06452	62.441	12.446	.04299	10.555	3.2556	.00133	.16550	.04679
#2	.05592	.06413	62.222	12.371	.04646	10.597	3.2632	.00160	.15670	.04761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.2248	.06046	.89897	-.00043	.00088	3.4683	7.4221	.00669	.08192	.02942
Stddev	.0080	.00095	.00052	.00187	.00275	.0260	.0556	.00111	.00016	.00122
%RSD	.35871	1.5715	.05785	435.97	312.43	.74843	.74843	16.513	.19909	4.1598
#1	2.2304	.05979	.89934	-.00175	.00283	3.4866	7.4614	.00748	.08181	.02855
#2	2.2191	.06113	.89860	.00089	-.00107	3.4499	7.3828	.00591	.08204	.03028
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0645	-.00339	F -.13461	.11131	.18770	.01890
Stddev	.0015	.00070	.00723	.00068	.00096	.00022
%RSD	.14511	20.546	5.3676	.61331	.50987	1.1421
#1	1.0634	-.00388	-.12951	.11082	.18838	.01905
#2	1.0656	-.00290	-.13972	.11179	.18703	.01874
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3564.9	55793.	6328.1
Stddev	7.6	100.	50.6
%RSD	.21367	.17966	.79991
#1	3570.3	55864.	6292.3
#2	3559.5	55723.	6363.9

Sample Name: CCVH-1390999 Acquired: 5/3/2012 11:48:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	48.886	.00153	.00224	.00036	.00001	1.0104	.00308	.00001	.00064	.00052	-.00198	48.978
Stddev	.00023	.084	.00099	.00008	.00012	.00007	.0012	.00110	.00008	.00028	.00010	.00056	.157
%RSD	50.703	.17101	64.891	3.5839	33.131	712.04	.11353	35.667	1212.6	43.938	18.807	28.151	.32044
#1	-.00062	48.827	.00224	.00219	.00045	-.00004	1.0096	.00230	-.00005	.00044	.00059	-.00237	48.867
#2	-.00029	48.945	.00083	.00230	.00028	.00006	1.0112	.00386	.00007	.00084	.00045	-.00158	49.089
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01948	.00310	-.03297	.00011	-.00062	246.10	.00125	.00288	-.00094	4.9140	-.00263	-.00151	.02814
Stddev	.04358	.00092	.00110	.00004	.00019	1.39	.00017	.00137	.00060	.0099	.00113	.00388	.01340
%RSD	223.73	29.637	3.3211	33.410	30.844	.56505	13.591	47.664	63.219	.20221	43.128	257.02	47.624
#1	-.01134	.00375	-.03220	.00013	-.00076	245.12	.00137	.00385	-.00052	4.9210	-.00183	.00123	.01867
#2	.05029	.00245	-.03375	.00008	-.00049	247.09	.00113	.00191	-.00136	4.9070	-.00343	-.00425	.03762
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06023	.00107	.00026	5.0520	.00620	-.00144	10.490	-.00287	.00223	-.03275
Stddev	.02868	.00017	.00002	.0010	.00049	.00024	.026	.00014	.00057	.00070
%RSD	47.624	15.565	7.3723	.01962	7.8455	16.818	.24486	4.7357	25.726	2.1396
#1	.03994	.00095	.00025	5.0513	.00586	-.00161	10.472	-.00297	.00264	-.03324
#2	.08051	.00118	.00028	5.0527	.00655	-.00127	10.509	-.00277	.00182	-.03225
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3317.7	52030.	5901.8
Stddev	1.9	223.	.4
%RSD	.05670	.42852	.00748
#1	3316.4	52188.	5902.2
#2	3319.0	51872.	5901.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 11:50:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50860	.49687	.97430	.48904	.48951	.47842	-.00227	4.7477	.49243	.49693	.49448	.51958	2.4615
Stddev	.00084	.00019	.00454	.00193	.00129	.00130	.00255	.0094	.00085	.00027	.00021	.00432	.0068
%RSD	.16609	.03914	.46594	.39435	.26344	.27102	112.36	.19783	.17202	.05352	.04214	.83080	.27717
#1	.50920	.49674	.97751	.48768	.48860	.47750	-.00408	4.7410	.49183	.49674	.49433	.51652	2.4566
#2	.50801	.49701	.97109	.49041	.49042	.47934	-.00047	4.7543	.49303	.49711	.49463	.52263	2.4663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.112	.96418	20.058	.51065	.49394	4.6720	.49318	.95860	.99824	.00147	.97410	.97391	4.7366
Stddev	.264	.00190	.056	.00036	.00120	.0037	.00036	.00007	.00089	.00536	.00137	.00133	.0097
%RSD	.53658	.19673	.28008	.07144	.24331	.07973	.07374	.00692	.08878	365.70	.14095	.13690	.20517
#1	48.926	.96284	20.097	.51091	.49479	4.6693	.49293	.95856	.99887	.00526	.97313	.97485	4.7297
#2	49.298	.96552	20.018	.51040	.49309	4.6746	.49344	.95865	.99762	-.00233	.97508	.97296	4.7435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.136	.98816	.49019	-.00098	.49661	1.0065	.00472	.49631	.49456	.49272
Stddev	.021	.00013	.00133	.00118	.00169	.0016	.00495	.00072	.00607	.00098
%RSD	.20517	.01349	.27106	121.02	.33959	.15997	104.91	.14434	1.2268	.19909
#1	10.122	.98807	.48925	-.00182	.49780	1.0053	.00122	.49682	.49885	.49341
#2	10.151	.98826	.49113	-.00014	.49542	1.0076	.00822	.49581	.49027	.49203
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3386.9	53052.	5886.0
Stddev	.2	39.	13.3
%RSD	.00461	.07375	.22594
#1	3387.0	53025.	5895.4
#2	3386.7	53080.	5876.6

Sample Name: CCB Acquired: 5/3/2012 11:52:43 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00013	-.00207	.00103	-.00002	.00002	-.00052	-.00341	.00008	-.00005	.00000	-.00025	.00093
Stddev	.00006	.00006	.00129	.00028	.00020	.00007	.00092	.00148	.00013	.00006	.00003	.00009	.00236
%RSD	206.52	42.980	62.531	27.315	1127.3	387.12	176.95	43.469	168.62	127.95	566.21	35.829	254.36
#1	.00001	.00018	-.00298	.00083	-.00016	-.00003	-.00117	-.00446	.00017	-.00009	-.00001	-.00032	-.00074
#2	-.00007	.00009	-.00115	.00123	.00013	.00006	.00013	-.00236	-.00002	.00000	.00002	-.00019	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00155	.00260	.00216	-.00001	.00098	-.09103	-.00018	-.00011	.00030	-.00311	.00165	-.00097	.02229
Stddev	.03275	.00053	.00208	.00002	.00016	.00291	.00014	.00164	.00075	.00313	.00003	.00325	.02982
%RSD	2106.9	20.314	96.221	140.66	16.132	3.1925	75.312	1461.1	250.03	100.78	1.8945	333.56	133.78
#1	-.02161	.00223	.00363	-.00003	.00087	-.09309	-.00008	.00105	-.00023	-.00089	.00167	.00132	.04338
#2	.02471	.00297	.00069	.00000	.00109	-.08898	-.00028	-.00127	.00083	-.00533	.00163	-.00327	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04770	.00023	.00002	-.00039	-.00026	-.00188	.00871	-.00036	.00266	.00105
Stddev	.06382	.00075	.00009	.00020	.00029	.00029	.00421	.00013	.00005	.00083
%RSD	133.78	333.49	393.63	50.651	109.41	15.451	48.397	34.809	2.0615	78.795
#1	.09283	-.00031	.00008	-.00025	-.00046	-.00167	.00573	-.00045	.00262	.00046
#2	.00258	.00076	-.00004	-.00053	-.00006	-.00209	.01169	-.00027	.00270	.00163
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3437.0	54258.	5897.4
Stddev	2.3	271.	41.7
%RSD	.06678	.49923	.70718
#1	3435.4	54067.	5926.9
#2	3438.6	54450.	5867.9

Sample Name: CCVL-1397430 Acquired: 5/3/2012 11:55:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01042	.10367	.01094	.09553	.01018	.00099	.10886	.19456	.00496	.01027	.01018	.01559	.09881
Stddev	.00035	.00023	.00207	.00051	.00011	.00003	.00249	.00484	.00020	.00015	.00027	.00031	.00062
%RSD	3.3463	.22305	18.889	.53578	1.0933	2.9827	2.2915	2.4888	4.1222	1.4756	2.6206	2.0189	.62600
#1	.01067	.10383	.01241	.09517	.01026	.00101	.10710	.19113	.00482	.01037	.00999	.01581	.09925
#2	.01017	.10351	.00948	.09589	.01010	.00096	.11063	.19798	.00511	.01016	.01037	.01537	.09837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0454	.01221	.20920	.01052	.01974	.91412	.04016	2.7518	.00853	-.00574	.00854	.01353	.50554
Stddev	.0040	.00195	.00208	.00004	.00013	.01098	.00013	.0004	.00014	.00022	.00214	.00057	.02106
%RSD	.13021	15.980	.99267	.35438	.63800	1.2009	.32437	.01439	1.6152	3.9161	25.112	4.2285	4.1652
#1	3.0482	.01083	.21067	.01050	.01982	.92188	.04025	2.7516	.00863	-.00590	.01005	.01394	.49065
#2	3.0426	.01359	.20773	.01055	.01965	.90636	.04007	2.7521	.00843	-.00558	.00702	.01313	.52043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0819	.09929	.01008	.01534	.00991	.01411	F .08283	.00970	.02258	.01457
Stddev	.0451	.00022	.00008	.00020	.00001	.00079	.01909	.00005	.00010	.00048
%RSD	4.1652	.22086	.77671	1.3228	.06435	5.5989	23.041	.55803	.46013	3.3070
#1	1.0500	.09913	.01014	.01548	.00992	.01355	.06934	.00974	.02251	.01423
#2	1.1137	.09944	.01003	.01519	.00991	.01466	.09633	.00966	.02266	.01491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3431.1	54100.	5890.8
Stddev	8.4	105.	18.9
%RSD	.24342	.19485	.32102
#1	3425.2	54026.	5877.4
#2	3437.0	54175.	5904.1

Sample Name: 280-28124-g-2-a Acquired: 5/3/2012 11:57:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00080	380.81	.24303	.08933	1.1335	.02838	.01312	71.162	-.00404	W 1.2061
Stddev	.00013	.86	.00847	.00012	.0024	.00013	.00154	.142	.00027	.0025
%RSD	16.598	.22482	3.4855	.13168	.20845	.44907	11.751	.19907	6.7192	.21063
#1	-.00070	381.42	.23704	.08924	1.1352	.02829	.01421	71.262	-.00385	1.2079
#2	-.00089	380.21	.24902	.08941	1.1319	.02847	.01203	71.062	-.00423	1.2043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										1.0000
Low Limit										-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48557	.17972	W 977.66	21.763	.17152	54.545	W 13.605	.00984	387.42	.16298
Stddev	.00064	.00060	1.56	.042	.00053	.185	.051	.00075	.76	.00035
%RSD	.13148	.33277	.15917	.19267	.31163	.33895	.37790	7.6518	.19550	.21762
#1	.48602	.18014	978.76	21.792	.17190	54.675	13.642	.00931	387.96	.16323
#2	.48512	.17929	976.56	21.733	.17114	54.414	13.569	.01037	386.89	.16273
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 22.183	.24931	147.08	.00524	.03411	46.261	98.998	.01246	.53743	.02283
Stddev	.062	.00065	.46	.00070	.00017	.383	.820	.00137	.00127	.00184
%RSD	.27813	.26189	.31261	13.406	.50932	.82808	.82808	11.026	.23687	8.0448
#1	22.227	.24977	147.40	.00475	.03423	46.532	99.578	.01343	.53833	.02412
#2	22.139	.24884	146.75	.00574	.03399	45.990	98.418	.01149	.53653	.02153
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2959	-.00529	F -.25756	.90401	.85447	.06890
Stddev	.0034	.00280	.00482	.00196	.00697	.00122
%RSD	.25857	52.816	1.8704	.21643	.81574	1.7709
#1	1.2983	-.00727	-.26096	.90540	.85940	.06804
#2	1.2935	-.00332	-.25415	.90263	.84955	.06976
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4255.2	65842.	8279.6
Stddev	2.8	366.	12.3
%RSD	.06588	.55557	.14845
#1	4253.2	65583.	8270.9
#2	4257.2	66100.	8288.3

Sample Name: 280-28124-g-2-a@5 Acquired: 5/3/2012 12:00:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	102.34	.06459	.02700	.30690	.00772	.00283	19.736	-.00100	.34448
Stddev	.00081	.36	.00036	.00010	.00091	.00012	.00299	.101	.00030	.00003
%RSD	449.54	.35004	.56298	.37935	.29749	1.5965	105.68	.51317	29.515	.00762
#1	-.00076	102.08	.06485	.02707	.30625	.00763	.00494	19.665	-.00079	.34450
#2	.00039	102.59	.06434	.02692	.30754	.00781	.00071	19.808	-.00121	.34446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13415	.04703	274.76	5.6880	.04550	15.404	3.9106	.00286	105.18	.04687
Stddev	.00093	.00035	1.80	.0146	.00129	.052	.0264	.00034	.12	.00045
%RSD	.69648	.74241	.65383	.25599	2.8354	.33954	.67531	12.036	.11009	.96801
#1	.13481	.04678	273.49	5.6777	.04459	15.367	3.9293	.00262	105.10	.04655
#2	.13349	.04728	276.03	5.6983	.04642	15.441	3.8919	.00311	105.26	.04719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 6.0707	.07249	39.645	.00245	.00989	15.004	32.109	.00458	.14522	.01256
Stddev	.0016	.00311	.010	.00011	.00456	.064	.137	.00035	.00021	.00019
%RSD	.02625	4.2869	.02591	4.6988	46.111	.42615	.42615	7.6804	.14325	1.4907
#1	6.0696	.07468	39.638	.00236	.00666	14.959	32.013	.00483	.14508	.01269
#2	6.0719	.07029	39.652	.00253	.01311	15.050	32.206	.00433	.14537	.01243
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35365	-.00220	F -.10934	.24685	.24517	.01803
Stddev	.00089	.00030	.02412	.00100	.00087	.00068
%RSD	.25189	13.417	22.058	.40531	.35578	3.7780
#1	.35302	-.00199	-.12640	.24615	.24579	.01851
#2	.35428	-.00241	-.09229	.24756	.24456	.01755
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3566.4	55070.	6301.0
Stddev	1.3	56.	84.6
%RSD	.03509	.10259	1.3426
#1	3567.3	55110.	6360.9
#2	3565.6	55030.	6241.2

Sample Name: 280-28178-a-8-j Acquired: 5/3/2012 12:02:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00032	51.940	.01752	.01714	.66496	.00304	-.00460	8.2929	.00091	.02718
Stddev	.00023	.362	.00075	.00075	.00386	.00003	.00137	.0723	.00011	.00006
%RSD	70.759	.69706	4.2633	4.3886	.57974	1.0720	29.796	.87218	11.862	.21307
#1	-.00049	51.684	.01804	.01768	.66223	.00301	-.00557	8.2418	.00099	.02714
#2	-.00016	52.196	.01699	.01661	.66769	.00306	-.00363	8.3441	.00084	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05133	.05826	55.685	11.296	.04067	9.5075	2.7502	.00160	.22666	.04193
Stddev	.00006	.00016	.358	.109	.00027	.0131	.0007	.00004	.00462	.00032
%RSD	.11044	.27994	.64224	.96662	.67551	.13763	.02403	2.6807	2.0404	.76464
#1	.05129	.05815	55.433	11.219	.04087	9.5167	2.7507	.00163	.22993	.04170
#2	.05137	.05838	55.938	11.373	.04048	9.4982	2.7497	.00157	.22339	.04215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9136	.05493	.81621	.00212	-.00113	5.1183	10.953	.00728	.07472	.02653
Stddev	.0095	.00032	.00751	.00271	.00587	.0768	.164	.00003	.00017	.00025
%RSD	.49474	.57639	.92045	127.68	517.71	1.5002	1.5002	.39659	.23316	.96051
#1	1.9069	.05515	.82153	.00021	-.00528	5.0640	10.837	.00730	.07459	.02671
#2	1.9203	.05470	.81090	.00404	.00302	5.1726	11.069	.00726	.07484	.02635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2747	-.00137	F -.13244	.10426	.16040	.01820
Stddev	.0023	.00085	.01909	.00066	.00004	.00018
%RSD	.18141	61.810	14.412	.63294	.02480	.98562
#1	1.2730	-.00077	-.14594	.10473	.16043	.01833
#2	1.2763	-.00197	-.11894	.10380	.16037	.01807
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3534.5	55538.	6264.0
Stddev	2.3	119.	13.4
%RSD	.06405	.21394	.21460
#1	3536.1	55454.	6273.5
#2	3532.9	55622.	6254.5

Sample Name: SD 280-28178-a-8-j@5 Acquired: 5/3/2012 12:04:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	11.421	.00036	.00430	.14530	.00068	-.00191	1.8361	.00031	.00585
Stddev	.00045	.046	.00155	.00027	.00003	.00004	.00011	.0040	.00007	.00018
%RSD	317.59	.39878	426.37	6.3836	.02130	6.1173	5.7474	.21513	21.513	3.0788
#1	-.00018	11.389	-.00073	.00410	.14532	.00065	-.00183	1.8333	.00036	.00573
#2	.00046	11.453	.00146	.00449	.14528	.00070	-.00199	1.8389	.00026	.00598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01121	.01225	12.129	2.4635	.01124	2.1224	.60354	.00019	-.02041	.00920
Stddev	.00022	.00024	.007	.0048	.00036	.0067	.00075	.00006	.00634	.00016
%RSD	1.9380	1.9225	.05937	.19421	3.1939	.31551	.12480	28.640	31.065	1.7129
#1	.01106	.01209	12.124	2.4601	.01149	2.1177	.60407	.00016	-.02489	.00908
#2	.01136	.01242	12.134	2.4669	.01099	2.1272	.60301	.00023	-.01592	.00931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41713	.01295	.18226	.00066	-.00087	1.1599	2.4822	.00189	.01626	.00641
Stddev	.00268	.00181	.00174	.00245	.00067	.0299	.0640	.00019	.00014	.00079
%RSD	.64151	13.974	.95549	368.38	77.055	2.5762	2.5762	10.176	.85028	12.336
#1	.41524	.01423	.18102	.00240	-.00134	1.1388	2.4370	.00175	.01616	.00585
#2	.41903	.01167	.18349	-.00107	-.00040	1.1811	2.5275	.00202	.01636	.00697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27488	-.00106	-.01062	.02223	.03941	.00521
Stddev	.00097	.00115	.01604	.00025	.00102	.00075
%RSD	.35250	108.44	151.08	1.1039	2.5891	14.436
#1	.27556	-.00188	.00072	.02240	.03869	.00468
#2	.27419	-.00025	-.02196	.02206	.04013	.00574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3490.3	54463.	5963.3
Stddev	19.2	23.	44.4
%RSD	.55074	.04281	.74459
#1	3503.8	54479.	5994.7
#2	3476.7	54446.	5931.9

Sample Name: 280-28178-a-8-k ms Acquired: 5/3/2012 12:07:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04920	87.858	.94054	.91266	2.5828	.04864	F 1.9477	52.591	.09400	.48421
Stddev	.00008	.065	.00035	.00012	.0015	.00032	.0013	.072	.00007	.00016
%RSD	.17071	.07439	.03745	.01320	.05792	.65799	.06575	.13637	.07391	.03299
#1	.04914	87.812	.94029	.91257	2.5838	.04887	1.9486	52.641	.09395	.48433
#2	.04926	87.904	.94079	.91275	2.5817	.04841	1.9468	52.540	.09404	.48410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25386	.31418	60.365	63.840	.98384	58.902	3.1579	.92879	49.098	.50066
Stddev	.00048	.00023	.099	.201	.00071	.153	.0064	.00077	.072	.00012
%RSD	.18731	.07183	.16342	.31433	.07220	.25943	.20181	.08258	.14650	.02488
#1	.25352	.31402	60.435	63.982	.98334	58.794	3.1534	.92933	49.149	.50075
#2	.25420	.31434	60.295	63.699	.98434	59.010	3.1624	.92825	49.048	.50057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.840	.50119	.80515	.34868	1.8380	6.3155	13.515	1.7828	1.0393	.99188
Stddev	.007	.00057	.00367	.00255	.0007	.0434	.093	.0038	.0005	.00749
%RSD	.06525	.11301	.45521	.73034	.03932	.68665	.68665	.21274	.04882	.75506
#1	10.845	.50159	.80255	.34688	1.8375	6.3461	13.581	1.7801	1.0397	.98658
#2	10.835	.50079	.80774	.35048	1.8385	6.2848	13.449	1.7854	1.0389	.99717
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.8266	1.8087	1.9814	.61411	.62791	.47304
Stddev	.0024	.0041	.0184	.00250	.00548	.00191
%RSD	.08560	.22608	.92634	.40663	.87235	.40303
#1	2.8249	1.8116	1.9944	.61234	.62404	.47169
#2	2.8283	1.8058	1.9685	.61587	.63178	.47439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3404.3	52897.	6194.4
Stddev	3.2	236.	.2
%RSD	.09425	.44534	.00324
#1	3402.0	53063.	6194.6
#2	3406.6	52730.	6194.3

Sample Name: 280-28178-a-8-I msd Acquired: 5/3/2012 12:09:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04816	93.519	.92228	.90006	2.6016	.04826	F 1.9156	52.740	.09221	.47749
Stddev	.00021	.243	.00773	.00037	.0076	.00008	.0003	.137	.00050	.00022
%RSD	.43211	.26021	.83803	.04155	.29114	.16171	.01429	.26052	.53954	.04541
#1	.04802	93.691	.91681	.89980	2.6070	.04820	1.9154	52.838	.09186	.47734
#2	.04831	93.347	.92774	.90033	2.5963	.04831	1.9158	52.643	.09256	.47764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25478	.31702	66.242	64.006	.96671	59.389	3.4156	.91522	47.891	.49466
Stddev	.00021	.00184	.105	.184	.00583	.052	.0049	.00059	.285	.00047
%RSD	.08184	.57937	.15922	.28801	.60281	.08731	.14203	.06458	.59455	.09513
#1	.25463	.31573	66.168	64.136	.97083	59.352	3.4122	.91481	48.092	.49500
#2	.25492	.31832	66.317	63.876	.96259	59.426	3.4190	.91564	47.689	.49433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.869	.49320	.92302	.33687	1.8050	7.6909	16.459	1.7500	1.0293	.98100
Stddev	.022	.00102	.00154	.00002	.0031	.0028	.006	.0014	.0028	.00002
%RSD	.19852	.20672	.16653	.00607	.17159	.03661	.03661	.07740	.27430	.00210
#1	10.884	.49392	.92411	.33686	1.8072	7.6929	16.463	1.7490	1.0313	.98101
#2	10.853	.49248	.92193	.33689	1.8028	7.6889	16.454	1.7510	1.0273	.98098
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9428	1.7666	1.9294	.61501	.63668	.46120
Stddev	.0009	.0046	.0144	.00015	.00094	.00030
%RSD	.03007	.25792	.74503	.02375	.14784	.06472
#1	2.9434	1.7698	1.9193	.61490	.63734	.46142
#2	2.9422	1.7633	1.9396	.61511	.63601	.46099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3431.8	52997.	6221.5
Stddev	.1	1.	30.6
%RSD	.00202	.00225	.49148
#1	3431.8	52998.	6199.9
#2	3431.9	52997.	6243.1

Sample Name: PDS 280-28178-a-8-j Acquired: 5/3/2012 12:11:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04599	51.787	.21887	.10805	.75076	.05202	-.00663	27.303	.05171	.07660
Stddev	.00010	.017	.00049	.00028	.00029	.00000	.00025	.105	.00016	.00028
%RSD	.22744	.03341	.22483	.25730	.03903	.00960	3.7618	.38542	.30058	.37138
#1	.04606	51.775	.21921	.10786	.75055	.05201	-.00646	27.377	.05182	.07680
#2	.04592	51.799	.21852	.10825	.75096	.05202	-.00681	27.228	.05160	.07640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10113	.11398	55.421	31.457	.13963	29.995	2.7651	.04983	21.618	.09038
Stddev	.00030	.00023	.011	.007	.00214	.119	.0092	.00011	.245	.00049
%RSD	.29588	.19853	.02011	.02353	1.5337	.39676	.33136	.22632	1.1318	.54176
#1	.10092	.11414	55.413	31.462	.14114	29.911	2.7586	.04991	21.791	.09073
#2	.10135	.11382	55.429	31.452	.13811	30.079	2.7716	.04975	21.445	.09004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.8352	.15284	.80006	.09100	.20298	9.4826	20.293	.09867	.12615	.24021
Stddev	.0032	.00010	.00297	.00042	.00192	.0089	.019	.00000	.00043	.00285
%RSD	.08347	.06798	.37121	.46494	.94389	.09392	.09392	.00501	.34379	1.1859
#1	3.8374	.15277	.79796	.09130	.20434	9.4763	20.279	.09867	.12584	.23820
#2	3.8329	.15291	.80216	.09070	.20163	9.4889	20.306	.09868	.12646	.24223
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3123	.20084	.47809	.15489	.36112	.06333
Stddev	.0049	.00001	.01422	.00033	.00262	.00078
%RSD	.37199	.00459	2.9734	.21397	.72454	1.2283
#1	1.3157	.20083	.48814	.15465	.35927	.06278
#2	1.3088	.20085	.46804	.15512	.36297	.06388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3519.9	54575.	6299.9
Stddev	8.0	58.	4.7
%RSD	.22803	.10628	.07439
#1	3514.2	54616.	6296.6
#2	3525.5	54534.	6303.2

Sample Name: 280-28178-a-9-f Acquired: 5/3/2012 12:13:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	53.076	.01893	.01807	.70156	.00320	-.00391	8.9486	.00097	.02894
Stddev	.00024	.118	.00406	.00076	.00132	.00006	.00009	.0364	.00013	.00014
%RSD	89.511	.22276	21.438	4.2245	.18754	1.7515	2.2170	.40684	13.370	.47328
#1	-.00045	52.993	.02179	.01861	.70063	.00316	-.00385	8.9229	.00106	.02904
#2	-.00010	53.160	.01606	.01753	.70249	.00324	-.00398	8.9743	.00088	.02884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05333	.06241	59.840	11.609	.04278	10.232	2.9907	.00185	.15276	.04482
Stddev	.00011	.00001	.537	.042	.00051	.015	.0080	.00019	.00159	.00016
%RSD	.19888	.01396	.89705	.36022	1.1846	.15135	.26683	10.136	1.0426	.34685
#1	.05340	.06240	59.461	11.580	.04314	10.243	2.9964	.00172	.15389	.04493
#2	.05325	.06242	60.220	11.639	.04242	10.221	2.9851	.00198	.15164	.04471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0290	.05811	.85071	.00047	-.00162	3.7964	8.1243	.00741	.08157	.02967
Stddev	.0136	.00095	.00283	.00028	.00237	.0179	.0383	.00054	.00003	.00174
%RSD	.66840	1.6364	.33308	58.279	146.28	.47160	.47160	7.2936	.03966	5.8726
#1	2.0386	.05879	.85272	.00028	-.00329	3.7837	8.0972	.00702	.08155	.03090
#2	2.0194	.05744	.84871	.00067	.00006	3.8090	8.1514	.00779	.08160	.02844
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2696	-.00213	F -.12800	.11102	.17148	.01851
Stddev	.0072	.00116	.00775	.00010	.00074	.00028
%RSD	.56453	54.271	6.0546	.08742	.43093	1.5323
#1	1.2747	-.00131	-.12252	.11108	.17096	.01831
#2	1.2646	-.00295	-.13349	.11095	.17200	.01871
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3581.3	55397.	6352.6
Stddev	2.0	147.	14.3
%RSD	.05494	.26572	.22526
#1	3579.9	55293.	6342.5
#2	3582.6	55501.	6362.7

Sample Name: 280-28178-a-10-f Acquired: 5/3/2012 12:16:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	50.960	.02011	.01737	.65094	.00303	-.00546	8.0786	.00080	.02678
Stddev	.00003	.124	.00371	.00082	.00093	.00004	.00378	.0368	.00017	.00007
%RSD	19.087	.24249	18.443	4.7461	.14228	1.3528	69.297	.45589	21.075	.27827
#1	-.00015	51.047	.01748	.01679	.65159	.00306	-.00278	8.1046	.00092	.02683
#2	-.00019	50.872	.02273	.01795	.65028	.00301	-.00813	8.0525	.00068	.02672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05054	.05578	56.265	11.444	.03911	9.7146	2.7335	.00167	.14496	.04197
Stddev	.00007	.00034	.206	.004	.00114	.0120	.0005	.00006	.00145	.00015
%RSD	.13567	.61720	.36695	.03193	2.9197	.12388	.01914	3.8080	.99833	.35464
#1	.05049	.05554	56.119	11.442	.03992	9.7061	2.7331	.00172	.14598	.04207
#2	.05059	.05602	56.411	11.447	.03831	9.7232	2.7339	.00163	.14394	.04186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8150	.05352	.73117	-.00087	-.00170	4.0073	8.5757	.00814	.07477	.02993
Stddev	.0040	.00083	.00512	.00140	.00269	.0157	.0336	.00047	.00008	.00089
%RSD	.21954	1.5491	.69990	160.79	158.14	.39218	.39218	5.8080	.10901	2.9766
#1	1.8121	.05293	.73479	-.00186	.00020	3.9962	8.5519	.00781	.07483	.02930
#2	1.8178	.05410	.72756	.00012	-.00361	4.0184	8.5994	.00848	.07471	.03056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2256	-.00219	F -.13829	.10473	.15656	.01949
Stddev	.0101	.00123	.00629	.00080	.00039	.00074
%RSD	.82719	56.015	4.5470	.76360	.24678	3.7827
#1	1.2328	-.00306	-.13385	.10530	.15628	.02001
#2	1.2184	-.00132	-.14274	.10417	.15683	.01896
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3580.9	55191.	6326.3
Stddev	.6	89.	22.6
%RSD	.01603	.16164	.35656
#1	3580.4	55128.	6310.4
#2	3581.3	55254.	6342.3

Sample Name: CCVH-1390999 Acquired: 5/3/2012 12:18:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00096	48.038	.00343	.00176	.00018	-.00003	.98460	.00070	-.00011	.00037	.00039	-.00225	48.737
Stddev	.00045	.020	.00391	.00007	.00005	.00001	.00086	.00191	.00010	.00002	.00007	.00005	.144
%RSD	47.216	.04206	113.99	4.2462	30.243	29.286	.08745	272.63	94.762	6.4708	17.314	2.0077	.29454
#1	-.00064	48.024	.00066	.00182	.00022	-.00003	.98399	.00205	-.00004	.00035	.00044	-.00228	48.636
#2	-.00128	48.052	.00619	.00171	.00014	-.00004	.98521	-.00065	-.00018	.00038	.00034	-.00222	48.839
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01163	.00287	-.03562	.00010	-.00059	242.64	.00159	.00239	.00008	4.8479	.00045	.00153	.04960
Stddev	.00982	.00187	.00162	.00006	.00013	.17	.00023	.00083	.00065	.0283	.00031	.00161	.00523
%RSD	84.426	65.122	4.5486	67.619	22.457	.07191	14.437	34.769	842.08	.58392	70.370	105.27	10.551
#1	.01858	.00420	-.03447	.00005	-.00049	242.52	.00175	.00181	-.00038	4.8679	.00022	.00267	.04590
#2	.00469	.00155	-.03676	.00014	-.00068	242.77	.00143	.00298	.00054	4.8279	.00067	.00039	.05330
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10615	.00069	.00030	5.0776	.00664	.00042	10.500	-.00327	.00237	-.04094
Stddev	.01120	.00028	.00005	.0065	.00012	.00260	.010	.00057	.00021	.00138
%RSD	10.551	41.183	15.989	.12886	1.8202	623.61	.09525	17.463	8.7952	3.3788
#1	.09823	.00049	.00027	5.0730	.00672	-.00142	10.507	-.00287	.00252	-.03996
#2	.11407	.00089	.00034	5.0822	.00655	.00225	10.493	-.00368	.00223	-.04192
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3373.0	52039.	5914.2
Stddev	4.6	275.	34.9
%RSD	.13737	.52813	.58938
#1	3369.7	52233.	5938.8
#2	3376.3	51844.	5889.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 12:20:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50901	.49508	.97697	.48374	.48626	.46886	-.00234	4.6565	.48804	.49437	.49220	.52236	2.4527
Stddev	.00101	.00212	.00454	.00054	.00237	.00033	.00208	.0008	.00036	.00048	.00012	.00114	.0071
%RSD	.19776	.42823	.46438	.11088	.48840	.06981	88.986	.01801	.07276	.09641	.02449	.21849	.28974
#1	.50830	.49358	.97376	.48336	.48458	.46863	-.00087	4.6571	.48779	.49403	.49229	.52155	2.4477
#2	.50972	.49658	.98018	.48412	.48794	.46909	-.00381	4.6559	.48829	.49471	.49212	.52317	2.4577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.621	.93814	20.045	.51250	.49232	4.5276	.48948	.94806	1.0045	.00141	.96586	.98442	4.6518
Stddev	.136	.00209	.052	.00164	.00081	.0021	.00149	.00135	.0009	.00427	.00005	.00382	.0003
%RSD	.27985	.22273	.26132	.31906	.16354	.04635	.30468	.14200	.08999	302.99	.00496	.38831	.00530
#1	48.525	.93666	20.008	.51135	.49175	4.5261	.48843	.94710	1.0051	-.00161	.96590	.98171	4.6516
#2	48.717	.93962	20.082	.51366	.49289	4.5291	.49054	.94901	1.0038	.00442	.96583	.98712	4.6520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9549	.98645	.48641	.00053	.49124	1.0032	.01767	.49406	.49177	.49273
Stddev	.0005	.00284	.00141	.00078	.00099	.0011	.00138	.00227	.00140	.00409
%RSD	.00530	.28741	.28894	145.76	.20074	.11117	7.8179	.46034	.28427	.82919
#1	9.9545	.98445	.48542	-.00002	.49054	1.0040	.01865	.49245	.49078	.48984
#2	9.9553	.98846	.48740	.00109	.49194	1.0024	.01669	.49567	.49276	.49562
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3439.1	53518.	5989.2
Stddev	5.2	23.	28.4
%RSD	.15094	.04286	.47475
#1	3442.7	53534.	6009.3
#2	3435.4	53502.	5969.1

Sample Name: CCB Acquired: 5/3/2012 12:23:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00032	-.00412	.00048	.00014	.00006	-.00161	.00097	-.00010	-.00004	.00019
Stddev	.00065	.00043	.00079	.00045	.00007	.00002	.00021	.00183	.00002	.00010	.00017
%RSD	211.60	133.88	19.187	93.647	47.131	40.539	13.224	187.88	18.431	275.18	90.193
#1	.00077	.00002	-.00468	.00016	.00019	.00008	-.00176	.00226	-.00009	.00003	.00031
#2	-.00015	.00063	-.00356	.00080	.00010	.00004	-.00146	-.00032	-.00012	-.00011	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00118	-.01602	W .00301	.00042	.00001	.00087	W -.09267	-.00032	.00262	.00005
Stddev	.00004	.00044	.01956	.00141	.00089	.00002	.00008	.00674	.00035	.00097	.00063
%RSD	10.585	37.388	122.14	46.853	210.28	119.13	9.3727	7.2756	108.65	36.998	1176.7
#1	.00037	.00150	-.00218	.00401	-.00021	.00002	.00082	-.09743	-.00056	.00331	-.00039
#2	.00031	.00087	-.02985	.00201	.00105	.00000	.00093	-.08790	-.00007	.00194	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00382	-.00047	-.00113	.01857	.03973	.00046	.00002	.00070	-.00015	-.00137	.00245
Stddev	.00134	.00078	.00503	.01174	.02513	.00020	.00001	.00017	.00030	.00080	.02984
%RSD	35.074	166.70	446.04	63.244	63.244	43.339	66.808	23.550	198.37	58.431	1215.6
#1	-.00287	-.00102	-.00469	.02687	.05750	.00060	.00003	.00082	-.00036	-.00194	.02355
#2	-.00477	.00008	.00243	.01026	.02196	.00032	.00001	.00059	.00006	-.00081	-.01865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00061	W .00500	-.00099
Stddev	.00009	.00036	.00015
%RSD	14.599	7.2697	15.019
#1	-.00055	.00474	-.00109
#2	-.00068	.00525	-.00088
Check ?	Chk Pass	Chk Warn	Chk Pass
High Limit		.00453	
Low Limit		-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3489.6	54474.	5959.9
Stddev	4.1	73.	30.1
%RSD	.11753	.13355	.50547
#1	3486.7	54525.	5981.2
#2	3492.5	54422.	5938.6

Sample Name: CCVL-1397430 Acquired: 5/3/2012 12:25:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01083	.10391	.01239	.09497	.01009	.00106	.10831	.18907	.00508	.01035	.01021	.01626	.10064
Stddev	.00010	.00047	.00108	.00076	.00021	.00003	.00067	.00220	.00000	.00004	.00016	.00025	.00037
%RSD	.92660	.44995	8.7220	.80167	2.0557	3.1579	.61669	1.1657	.07745	.37069	1.5239	1.5222	.36987
#1	.01076	.10425	.01315	.09551	.00994	.00108	.10879	.19063	.00508	.01032	.01010	.01643	.10038
#2	.01090	.10358	.01162	.09443	.01024	.00103	.10784	.18751	.00508	.01037	.01032	.01608	.10090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0474	.01185	.20742	.01067	.01990	.88054	.04068	2.7615	.00843	-.00007	.00831	.01374	.49380
Stddev	.0359	.00220	.00050	.00009	.00021	.00970	.00018	.0081	.00035	.00188	.00083	.00077	.01381
%RSD	1.1783	18.580	.24050	.83899	1.0459	1.1014	.43043	.29194	4.1699	2565.0	10.048	5.6170	2.7965
#1	3.0728	.01340	.20777	.01073	.01975	.87368	.04080	2.7672	.00818	-.00141	.00772	.01428	.50356
#2	3.0220	.01029	.20706	.01060	.02004	.88740	.04055	2.7558	.00868	.00126	.00890	.01319	.48404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0567	.10024	.01010	.01492	.00979	.01497	.05411	.00951	.02312	.01620
Stddev	.0296	.00199	.00002	.00039	.00023	.00010	.01145	.00017	.00011	.00028
%RSD	2.7965	1.9835	.15550	2.5888	2.3332	.67900	21.161	1.7386	.48497	1.7403
#1	1.0776	.09883	.01011	.01465	.00996	.01490	.06220	.00963	.02320	.01640
#2	1.0358	.10164	.01009	.01520	.00963	.01504	.04601	.00940	.02304	.01600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3474.1	54498.	6016.4
Stddev	11.5	120.	33.8
%RSD	.33007	.22020	.56159
#1	3466.0	54583.	6040.3
#2	3482.2	54414.	5992.5

Sample Name: mb 280-117878/1-a Acquired: 5/3/2012 12:27:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00012	.00316	-.00425	.00022	.00019	.00000	.00175	.01345	-.00005	.00019
Stddev	.00017	.00013	.00261	.00046	.00014	.00008	.00307	.00312	.00007	.00016
%RSD	142.10	4.0174	61.546	212.14	71.554	3607.3	175.17	23.189	138.54	84.594
#1	.00000	.00325	-.00610	.00054	.00029	.00006	.00392	.01124	.00000	.00008
#2	-.00024	.00307	-.00240	-.00011	.00009	-.00005	-.00042	.01565	-.00010	.00030
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00054	.00586	.02520	.00069	.00064	W .00026	-.00011	-.09174	.00014
Stddev	.00004	.00015	.00090	.01600	.00031	.00134	.00005	.00013	.00587	.00017
%RSD	74.258	26.818	15.387	63.486	44.581	207.90	19.654	115.14	6.3935	126.65
#1	-.00003	.00065	.00650	.01389	.00091	.00159	.00022	-.00021	-.09589	.00001
#2	-.00009	.00044	.00522	.03651	.00047	-.00030	.00029	-.00002	-.08759	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00023			
Low Limit							-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00065	-.00062	-.00149	-.00180	W -.00511	F .03545	.07586	-.00099	.00000	W .00179
Stddev	.00022	.00135	.00316	.00159	.00616	.00373	.00799	.00128	.0001	.00082
%RSD	33.191	218.06	211.65	87.883	120.43	10.534	10.534	129.18	1814.6	46.069
#1	.00050	.00033	-.00373	-.00068	-.00076	.03809	.08152	-.00189	.00003	.00120
#2	.00080	-.00157	.00074	-.00292	-.00946	.03281	.07021	-.00009	-.00004	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit					.00500	.01000				.00000
Low Limit					-.00500	-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00293	-.00182	-.00063	.00304	.00052
Stddev	.00021	.00338	.01591	.00010	.00020	.00212
%RSD	2773.5	115.25	875.86	15.048	6.6999	404.64
#1	.00016	-.00532	.00944	-.00057	.00319	-.00098
#2	-.00014	-.00054	-.01307	-.00070	.00290	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3500.6	55066.	6055.0
Stddev	9.4	46.	35.7
%RSD	.26871	.08337	.59003
#1	3507.2	55099.	6080.3
#2	3493.9	55034.	6029.8

Sample Name: lcs 280-117878/2-a Acquired: 5/3/2012 12:30:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05372	1.9118	1.0167	1.0241	1.9621	.04810	2.1167	46.333	.10079	.49124
Stddev	.00031	.0010	.0048	.0018	.0047	.00015	.0008	.158	.00017	.00067
%RSD	.57462	.05305	.47126	.17297	.24032	.31613	.03781	.34118	.17142	.13576
#1	.05350	1.9125	1.0133	1.0229	1.9654	.04821	2.1162	46.445	.10067	.49077
#2	.05393	1.9111	1.0201	1.0254	1.9587	.04799	2.1173	46.222	.10091	.49171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19808	.26646	.99279	49.813	.96080	51.362	.52286	.99834	50.827	.48884
Stddev	.00025	.00062	.00291	.142	.00185	.014	.00027	.00183	.055	.00028
%RSD	.12742	.23286	.29289	.28608	.19252	.02822	.05192	.18352	.10850	.05819
#1	.19826	.26602	.99485	49.913	.96211	51.372	.52266	.99964	50.866	.48904
#2	.19790	.26690	.99073	49.712	.95950	51.351	.52305	.99705	50.788	.48864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.127	.49105	.01010	.49446	2.0959	9.4630	F 20.251	1.9829	.99762	1.0314
Stddev	.013	.00010	.00044	.00265	.0154	.0426	.091	.0025	.00184	.0025
%RSD	.12652	.02109	4.3130	.53598	.73586	.45045	.45045	.12484	.18486	.24123
#1	10.118	.49113	.01040	.49634	2.0850	9.4931	20.315	1.9812	.99893	1.0296
#2	10.136	.49098	.00979	.49259	2.1068	9.4328	20.186	1.9847	.99632	1.0331
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0014	2.0306	2.2026	.50334	.49885	.49152
Stddev	.0000	.0087	.0108	.00154	.00015	.00490
%RSD	.00081	.42791	.48922	.30660	.02974	.99654
#1	1.0014	2.0245	2.1950	.50225	.49875	.49498
#2	1.0014	2.0368	2.2102	.50443	.49896	.48806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3331.6	51908.	5974.4
Stddev	1.5	129.	15.1
%RSD	.04618	.24772	.25287
#1	3332.7	51817.	5963.7
#2	3330.5	51999.	5985.1

Sample Name: 280-28211-e-1-c Acquired: 5/3/2012 12:32:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00197	.00065	.28818	.05148	.00006	.00132	220.34	.00055	.00034
Stddev	.00008	.00030	.00596	.00119	.00012	.00001	.00061	3.94	.00007	.00024
%RSD	22.210	15.237	912.29	.41380	.23559	20.001	46.169	1.7882	11.952	70.877
#1	.00040	.00219	.00487	.28903	.05156	.00006	.00176	223.13	.00051	.00051
#2	.00029	.00176	-.00356	.28734	.05139	.00005	.00089	217.56	.00060	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00244	.02688	5.6471	.08999	86.994	.07770	.00852	185.30	.00196
Stddev	.00021	.00028	.00032	.0369	.00191	.014	.00019	.00046	.15	.00022
%RSD	39.237	11.635	1.1772	.65347	2.1202	.01650	.24852	5.4292	.08003	11.393
#1	.00038	.00264	.02710	5.6732	.09134	87.005	.07757	.00819	185.19	.00212
#2	.00067	.00224	.02666	5.6210	.08864	86.984	.07784	.00884	185.40	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02411	-.00035	F 339.02	-.00141	.01956	5.0795	10.870	-.00010	4.0575	-.00178
Stddev	.00552	.00149	.55	.00043	.00046	.0381	.082	.00028	.0130	.00089
%RSD	22.873	423.75	.16161	30.456	2.3458	.75080	.75080	265.28	.31971	50.228
#1	.02801	.00070	339.41	-.00110	.01924	5.1065	10.928	-.00030	4.0667	-.00241
#2	.02021	-.00140	338.63	-.00171	.01989	5.0525	10.812	.00009	4.0484	-.00114
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	.00224	.04365	.00113	.00483	-.00044
Stddev	.00001	.00127	.00082	.00008	.00007	.00084
%RSD	1.1375	56.858	1.8815	6.8672	1.3942	191.79
#1	.00104	.00314	.04307	.00107	.00487	-.00103
#2	.00106	.00134	.04423	.00118	.00478	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3149.6	49446.	5846.0
Stddev	9.0	124.	.8
%RSD	.28525	.25090	.01309
#1	3143.2	49533.	5846.6
#2	3155.9	49358.	5845.5

Sample Name: SD 280-28211-e-1-c@5 Acquired: 5/3/2012 12:34:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00011	-.00292	.05620	.01032	.00007	-.00214	45.163	.00036	-.00007
Stddev	.00001	.00021	.00068	.00048	.00013	.00004	.00060	.345	.00021	.00020
%RSD	3.4997	199.35	23.319	.86185	1.2407	54.791	27.758	.76405	58.175	296.18
#1	.00034	.00026	-.00244	.05654	.01023	.00004	-.00172	44.919	.00021	-.00020
#2	.00032	-.00004	-.00340	.05586	.01041	.00010	-.00257	45.407	.00051	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00065	.00946	1.1129	.02024	17.038	.01547	.00138	37.001	.00062
Stddev	.00000	.00007	.00259	.0345	.00089	.086	.00010	.00001	.371	.00032
%RSD	2.8007	10.416	27.333	3.0992	4.4183	.50328	.63248	.43919	1.0038	52.699
#1	.00015	.00070	.00764	1.0885	.02088	17.099	.01554	.00139	36.738	.00039
#2	.00016	.00061	.01129	1.1373	.01961	16.978	.01540	.00138	37.264	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00617	.00027	63.790	.00031	-.00152	1.0254	2.1943	-.00033	.80224	-.00073
Stddev	.00256	.00187	.061	.00184	.00146	.0180	.0386	.00141	.00458	.00064
%RSD	41.450	683.05	.09542	592.49	95.677	1.7577	1.7577	427.42	.57053	87.596
#1	.00798	-.00105	63.833	.00161	-.00255	1.0126	2.1670	-.00132	.79901	-.00119
#2	.00436	.00160	63.747	-.00099	-.00049	1.0381	2.2215	.00067	.80548	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.00068	.01865	.00032	.00518	-.00032
Stddev	.00011	.00268	.05129	.00007	.00056	.00011
%RSD	98.294	393.64	275.07	22.314	10.750	34.853
#1	-.00004	-.00258	.05491	.00037	.00479	-.00040
#2	-.00020	.00122	-.01762	.00027	.00558	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3321.3	51963.	5815.3
Stddev	4.2	406.	80.8
%RSD	.12543	.78122	1.3888
#1	3318.3	51676.	5872.4
#2	3324.2	52250.	5758.2

Sample Name: 280-28211-e-1-d ms Acquired: 5/3/2012 12:37:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05363	1.8150	1.0409	1.2783	2.0164	.04700	F 2.0769	270.44	.10193	.47768
Stddev	.00062	.0016	.0003	.0034	.0003	.00021	.0049	2.56	.00033	.00012
%RSD	1.1520	.08843	.03125	.26633	.01526	.44946	.23715	.94651	.31925	.02468
#1	.05320	1.8138	1.0411	1.2807	2.0162	.04685	2.0804	268.63	.10170	.47776
#2	.05407	1.8161	1.0407	1.2759	2.0166	.04715	2.0734	272.25	.10216	.47759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19724	.26441	.98655	56.641	1.0729	136.47	.58750	1.0084	235.24	.47620
Stddev	.00074	.00003	.00186	.028	.0008	.08	.00024	.0010	.40	.00132
%RSD	.37628	.01118	.18865	.05030	.07182	.06043	.04132	.09630	.17094	.27660
#1	.19777	.26439	.98786	56.661	1.0723	136.42	.58768	1.0091	235.53	.47713
#2	.19672	.26443	.98523	56.621	1.0734	136.53	.58733	1.0077	234.96	.47527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.437	.47148	F 339.60	.49626	2.1283	14.778	31.624	1.9407	W 5.0404	1.0186
Stddev	.002	.00187	.59	.00286	.0061	.024	.051	.0069	.0085	.0008
%RSD	.01724	.39700	.17504	.57688	.28848	.16234	.16234	.35415	.16812	.07836
#1	10.438	.47281	340.02	.49828	2.1327	14.761	31.588	1.9456	5.0464	1.0180
#2	10.436	.47016	339.18	.49423	2.1240	14.795	31.661	1.9359	5.0344	1.0191
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99792	1.8469	2.1897	.50757	.48411	.48514
Stddev	.00100	.0024	.0379	.00259	.00037	.00381
%RSD	.10009	.12755	1.7317	.51028	.07672	.78551
#1	.99722	1.8485	2.2165	.50940	.48385	.48244
#2	.99863	1.8452	2.1629	.50574	.48437	.48783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.1	48740.	5697.1
Stddev	5.5	192.	23.3
%RSD	.17751	.39392	.40875
#1	3073.2	48876.	5680.6
#2	3081.0	48604.	5713.6

Sample Name: 280-28211-e-1-e msd Acquired: 5/3/2012 12:39:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05411	1.8277	1.0434	1.2812	2.0077	.04717	F 2.0742	269.34	.10203	.47751
Stddev	.00038	.0082	.0083	.0003	.0016	.00005	.0081	.50	.00019	.00071
%RSD	.70633	.44914	.79474	.02576	.07751	.10087	.38992	.18530	.18657	.14955
#1	.05438	1.8335	1.0376	1.2815	2.0088	.04714	2.0685	268.99	.10216	.47701
#2	.05384	1.8219	1.0493	1.2810	2.0066	.04721	2.0799	269.70	.10189	.47802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19724	.26143	.98110	56.467	1.0712	136.01	.58424	1.0090	234.79	.47546
Stddev	.00055	.00055	.00165	.057	.0054	.45	.00225	.0007	.55	.00064
%RSD	.27936	.21113	.16839	.10153	.50216	.33047	.38437	.06961	.23423	.13539
#1	.19763	.26104	.98227	56.507	1.0750	135.69	.58265	1.0085	235.18	.47591
#2	.19685	.26182	.97993	56.426	1.0674	136.32	.58583	1.0095	234.40	.47500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.442	.46985	F 338.20	.49748	2.1272	14.844	31.767	1.9425	4.9552	1.0161
Stddev	.016	.00101	1.06	.00101	.0005	.038	.081	.0039	.0874	.0015
%RSD	.15157	.21511	.31223	.20339	.02432	.25368	.25368	.20309	1.7635	.14747
#1	10.431	.46913	337.45	.49819	2.1268	14.871	31.824	1.9453	5.0170	1.0151
#2	10.453	.47056	338.94	.49676	2.1275	14.818	31.710	1.9397	4.8934	1.0172
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99519	1.8517	2.1641	.50659	.48356	.48388
Stddev	.00089	.0080	.0124	.00019	.00273	.00284
%RSD	.08915	.43334	.57329	.03755	.56436	.58710
#1	.99456	1.8574	2.1553	.50645	.48163	.48187
#2	.99582	1.8460	2.1729	.50672	.48549	.48589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3039.9	48272.	5658.7
Stddev	9.9	235.	1.0
%RSD	.32679	.48681	.01818
#1	3032.9	48438.	5659.4
#2	3046.9	48106.	5658.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 12:41:57 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00038	48.605	-.00277	.00359	.00034	.00005	.98999	.01283	.00002	.00040	.00046	-.00199	48.807
Stddev	.00089	.020	.00287	.00049	.00007	.00004	.00232	.00186	.00006	.00006	.00008	.00017	.108
%RSD	232.29	.04193	103.83	13.669	21.186	88.678	.23469	14.520	259.35	15.586	17.023	8.5514	.22195
#1	-.00101	48.590	-.00480	.00394	.00029	.00002	.99164	.01415	.00006	.00044	.00040	-.00187	48.731
#2	.00025	48.619	-.00074	.00325	.00039	.00007	.98835	.01151	-.00002	.00035	.00051	-.00211	48.884
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11334	.00212	-.03075	.00012	.00139	243.41	.00148	.00259	-.00138	4.8749	.00039	-.00207	.03581
Stddev	.00883	.00190	.00195	.00003	.00102	.59	.00041	.00237	.00001	.0016	.00121	.00191	.01047
%RSD	7.7870	89.812	6.3271	24.946	73.589	.24034	27.736	91.433	.42734	.03219	311.76	92.324	29.242
#1	.11958	.00077	-.02937	.00014	.00067	243.00	.00119	.00426	-.00138	4.8738	.00125	-.00072	.02841
#2	.10710	.00346	-.03213	.00010	.00212	243.82	.00177	.00092	-.00138	4.8760	-.00047	-.00342	.04322
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07663	.00209	.00058	5.0218	.00658	-.00191	10.418	-.00367	.00260	-.03415
Stddev	.02241	.00156	.00006	.0050	.00017	.00059	.037	.00012	.00037	.00034
%RSD	29.242	74.669	10.443	.09888	2.5574	31.155	.35863	3.1863	14.413	1.0069
#1	.06079	.00099	.00063	5.0253	.00646	-.00149	10.444	-.00375	.00286	-.03390
#2	.09248	.00320	.00054	5.0182	.00670	-.00233	10.391	-.00359	.00233	-.03439
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3257.1	50909.	5658.5
Stddev	6.5	108.	16.7
%RSD	.19832	.21250	.29454
#1	3261.7	50833.	5670.3
#2	3252.5	50986.	5646.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 12:44:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50569	.49730	.96969	.48490	.49019	.47478	-.00400	4.7319	.49053	.49572	.49556	.51741	2.4649
Stddev	.00152	.00238	.01261	.00105	.00042	.00099	.00245	.0225	.00112	.00109	.00156	.00018	.0014
%RSD	.30025	.47915	1.3005	.21682	.08568	.20776	61.243	.47584	.22850	.22057	.31491	.03433	.05568
#1	.50677	.49898	.97861	.48415	.49049	.47409	-.00227	4.7160	.49132	.49649	.49667	.51754	2.4659
#2	.50462	.49561	.96078	.48564	.48989	.47548	-.00574	4.7478	.48973	.49495	.49446	.51729	2.4640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.967	.96019	20.016	.51250	.49662	4.7839	.49217	.95168	1.0020	.02017	.96869	.97642	4.7333
Stddev	.014	.00305	.041	.00008	.00278	.0105	.00169	.00058	.0066	.00102	.00201	.00208	.0412
%RSD	.02941	.31772	.20304	.01576	.56015	.22028	.34319	.06079	.65757	5.0700	.20734	.21320	.87033
#1	48.977	.95803	19.987	.51245	.49859	4.7765	.49337	.95209	1.0066	.02090	.97011	.97789	4.7042
#2	48.957	.96235	20.045	.51256	.49465	4.7914	.49098	.95127	.99730	.01945	.96727	.97495	4.7625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.129	.98759	.48903	.00032	.49324	1.0058	.01799	.49564	.49512	.49447
Stddev	.088	.00114	.00083	.00046	.00099	.0005	.00216	.00113	.00135	.00179
%RSD	.87033	.11511	.17001	142.65	.20003	.04681	11.986	.22885	.27172	.36259
#1	10.067	.98839	.48844	.00000	.49394	1.0061	.01952	.49484	.49417	.49574
#2	10.192	.98678	.48962	.00065	.49255	1.0055	.01647	.49644	.49607	.49321
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3337.2	52027.	5743.4
Stddev	9.8	117.	11.5
%RSD	.29240	.22501	.20001
#1	3330.3	52110.	5751.5
#2	3344.1	51944.	5735.3

Sample Name: CCB Acquired: 5/3/2012 12:46:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00020	-.00158	.00138	.00022	.00004	-.00053	.00117	.00003	.00028	.00005	-.00027
Stddev	.00038	.00014	.00277	.00003	.00007	.00006	.00185	.00191	.00009	.00020	.00009	.00012
%RSD	106.93	70.282	175.41	2.3664	32.467	157.35	350.27	162.48	286.03	71.997	181.50	43.423
#1	.00009	-.00010	.00038	.00135	.00027	.00008	-.00183	-.00017	-.00003	.00043	.00012	-.00019
#2	.00063	-.00030	-.00354	.00140	.00017	.00000	.00078	.00252	.00009	.00014	-.00001	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00268	.00731	.00120	.00121	.00002	.00094	.00454	.00002	.00330	.00068	.01052	W .00328
Stddev	.00175	.04227	.00081	.00219	.00004	.00024	.00569	.00041	.00351	.00001	.00207	.00076
%RSD	65.158	578.61	67.083	182.04	211.06	25.140	125.25	1657.8	106.37	2.1255	19.670	23.209
#1	.00391	-.02259	.00063	-.00035	.00005	.00077	.00856	.00032	.00082	.00069	.00906	.00274
#2	.00144	.03720	.00177	.00276	-.00001	.00110	.00052	-.00027	.00578	.00067	.01198	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.02794	.05979	.00066	-.00003	.00150	.00036	.00123	-.00436	-.00038	.00309	.00045
Stddev	.00242	.02058	.04403	.00010	.00001	.00033	.00026	.00073	.01664	.00024	.00061	.00062
%RSD	450.03	73.647	73.647	15.524	41.368	21.909	72.019	58.808	381.33	63.466	19.851	137.94
#1	-.00117	.01339	.02865	.00059	-.00002	.00173	.00054	.00072	-.01613	-.00021	.00265	.00089
#2	.00225	.04249	.09092	.00073	-.00004	.00126	.00017	.00175	.00740	-.00055	.00352	.00001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3398.5	53682.	5793.6
Stddev	6.3	112.	16.9
%RSD	.18395	.20889	.29119
#1	3394.1	53603.	5781.7
#2	3402.9	53761.	5805.5

Sample Name: CCVL1397430 Acquired: 5/3/2012 12:48:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01029	.10327	F .00911	.09495	.01008	.00096	.10670	.19012	.00511	.01049	.01006	.01567	.10188
Stddev	.00003	.00059	.00099	.00065	.00006	.00005	.00134	.00309	.00010	.00037	.00012	.00020	.00154
%RSD	.32698	.56772	10.898	.68951	.55364	5.3027	1.2532	1.6246	1.9157	3.5136	1.1675	1.2691	1.5156
#1	.01026	.10369	.00841	.09542	.01012	.00093	.10576	.19230	.00504	.01023	.00998	.01552	.10297
#2	.01031	.10286	.00981	.09449	.01004	.00100	.10765	.18793	.00517	.01075	.01014	.01581	.10079
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0030	.01279	.20646	.01058	.01967	1.0003	.04064	2.7462	.00883	.01619	.00962	.01203	.50313
Stddev	.0218	.00053	.00180	.00000	.00012	.0030	.00025	.0011	.00045	.00113	.00084	.00013	.00751
%RSD	.72547	4.1494	.86954	.01652	.59300	.29597	.61584	.04154	5.0571	7.0112	8.7680	1.0601	1.4925
#1	3.0184	.01316	.20773	.01058	.01976	.99820	.04081	2.7454	.00851	.01538	.00902	.01194	.49782
#2	2.9876	.01241	.20519	.01058	.01959	1.0024	.04046	2.7470	.00915	.01699	.01022	.01212	.50844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0767	.10072	.00998	.01621	.00982	.01488	.06878	.00985	.02267	.01505
Stddev	.0161	.00334	.00001	.00077	.00008	.00031	.00834	.00022	.00029	.00233
%RSD	1.4925	3.3162	.14140	4.7577	.85448	2.1123	12.124	2.2174	1.2736	15.501
#1	1.0653	.09836	.00997	.01676	.00988	.01466	.06288	.01000	.02247	.01340
#2	1.0881	.10309	.00999	.01567	.00976	.01511	.07467	.00969	.02288	.01670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3385.5	53511.	5780.0
Stddev	2.0	61.	12.5
%RSD	.06021	.11419	.21666
#1	3387.0	53468.	5771.2
#2	3384.1	53554.	5788.9

Sample Name: 280-28335-a-1-a Acquired: 5/3/2012 12:51:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00142	-.00057	.14880	.27178	.00012	-.00234	24.828	.00013	-.00005
Stddev	.00019	.00013	.00220	.00063	.00025	.00001	.00120	.049	.00005	.00003
%RSD	64.386	9.1274	388.33	.42427	.09227	12.108	51.342	.19598	41.216	70.519
#1	.00043	.00132	.00099	.14835	.27160	.00013	-.00319	24.863	.00009	-.00002
#2	.00016	.00151	-.00212	.14925	.27195	.00011	-.00149	24.794	.00017	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00078	.12451	4.8159	.03215	16.635	.30103	.00371	162.33	.00019
Stddev	.00002	.00035	.00052	.0304	.00023	.058	.00141	.00034	.10	.00004
%RSD	4.9053	45.089	.41835	.63035	.71221	.34912	.46782	9.1626	.05853	23.340
#1	.00038	.00053	.12414	4.7944	.03199	16.676	.30203	.00347	162.26	.00022
#2	.00041	.00103	.12487	4.8373	.03231	16.594	.30004	.00395	162.39	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15471	-.00060	14.303	-.00114	-.00268	12.537	26.829	-.00047	.25131	-.00166
Stddev	.00124	.00006	.032	.00004	.00006	.101	.217	.00155	.00037	.00111
%RSD	.80291	10.534	.22644	3.0784	2.3875	.80820	.80820	331.59	.14839	66.425
#1	.15558	-.00055	14.326	-.00111	-.00263	12.609	26.982	.00063	.25158	-.00245
#2	.15383	-.00064	14.280	-.00116	-.00272	12.465	26.676	-.00156	.25105	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00184	-.00785	-.00008	.00379	-.00005
Stddev	.00049	.00047	.02965	.00013	.00046	.00054
%RSD	279.08	25.338	377.53	152.56	12.245	1173.1
#1	-.00017	-.00217	.01311	-.00018	.00412	-.00043
#2	.00052	-.00151	-.02882	.00001	.00346	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3271.8	50942.	5780.0
Stddev	.1	142.	2.8
%RSD	.00265	.27830	.04840
#1	3271.9	50842.	5778.0
#2	3271.8	51042.	5782.0

Sample Name: 280-28335-a-2-a Acquired: 5/3/2012 12:53:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00121	.00029	.15033	.29674	.00006	-.00047	25.606	.00013	.00000
Stddev	.00003	.00066	.00052	.00040	.00007	.00000	.00153	.018	.00002	.0000
%RSD	11.849	54.072	177.51	.26816	.02479	4.4201	326.61	.06929	17.546	1394.5
#1	.00025	.00075	-.00007	.15005	.29669	.00006	-.00155	25.619	.00014	-.00003
#2	.00021	.00168	.00066	.15062	.29679	.00005	.00061	25.594	.00011	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00122	.00642	7.2735	.03213	18.029	.22570	.00327	169.81	.00034
Stddev	.00014	.00012	.00020	.0099	.00072	.005	.00049	.00033	.45	.00043
%RSD	50.490	9.9639	3.0537	.13583	2.2560	.03000	.21653	10.140	.26753	126.71
#1	.00038	.00131	.00628	7.2665	.03162	18.025	.22535	.00303	170.13	.00064
#2	.00018	.00114	.00656	7.2805	.03265	18.032	.22604	.00350	169.49	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12499	.00021	20.271	-.00089	-.00463	11.845	25.348	-.00149	.26671	-.00086
Stddev	.00331	.00033	.049	.00108	.00311	.037	.079	.00032	.00010	.00043
%RSD	2.6509	159.54	.24067	120.53	67.197	.31193	.31193	21.390	.03729	49.806
#1	.12733	-.00003	20.305	-.00013	-.00684	11.871	25.404	-.00172	.26664	-.00116
#2	.12264	.00045	20.236	-.00166	-.00243	11.819	25.292	-.00126	.26678	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00026	.01109	.00001	.00421	-.00019
Stddev	.00028	.00000	.01951	.00021	.00096	.00159
%RSD	333.20	.62923	175.97	2323.1	22.839	818.75
#1	.00011	-.00026	.02488	.00015	.00489	.00093
#2	-.00028	-.00026	-.00271	-.00014	.00353	-.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3269.1	50577.	5738.3
Stddev	21.5	54.	7.4
%RSD	.65682	.10754	.12838
#1	3253.9	50615.	5743.5
#2	3284.3	50538.	5733.1

Sample Name: 280-28335-a-3-a Acquired: 5/3/2012 12:56:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00193	.00169	.15571	.19308	-.00002	-.00199	29.943	.00018	.00006
Stddev	.00028	.00032	.00526	.00083	.00095	.00005	.00303	.231	.00018	.00020
%RSD	67.245	16.845	311.84	.53522	.49374	212.16	152.48	.77214	102.68	332.19
#1	.00022	.00170	-.00203	.15630	.19240	-.00006	.00016	29.780	.00030	.00020
#2	.00062	.00216	.00540	.15512	.19375	.00001	-.00414	30.107	.00005	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00092	.09477	5.3831	.03178	21.203	.38826	.00310	174.46	.00043
Stddev	.00007	.00003	.00344	.0493	.00050	.073	.00080	.00016	1.27	.00014
%RSD	175.17	3.3272	3.6291	.91564	1.5765	.34566	.20592	5.2025	.72830	31.329
#1	.00001	.00090	.09234	5.3482	.03142	21.255	.38882	.00322	173.56	.00034
#2	-.00009	.00095	.09720	5.4179	.03213	21.151	.38769	.00299	175.35	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10788	-.00156	29.591	-.00019	-.00095	12.158	26.017	-.00135	.30281	-.00147
Stddev	.00228	.00048	.007	.00130	.00176	.078	.167	.00059	.00185	.00057
%RSD	2.1163	30.589	.02296	690.02	185.92	.64104	.64104	43.311	.61192	38.541
#1	.10627	-.00189	29.596	.00073	.00030	12.103	25.899	-.00094	.30150	-.00187
#2	.10949	-.00122	29.586	-.00111	-.00219	12.213	26.135	-.00177	.30412	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.00057	.00267	.00018	.00355	-.00017
Stddev	.00020	.00116	.00859	.00023	.00027	.00135
%RSD	123.05	204.89	321.86	125.55	7.7118	791.26
#1	.00030	.00139	.00874	.00034	.00375	.00078
#2	.00002	-.00025	-.00340	.00002	.00336	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3254.5	50447.	5763.0
Stddev	1.9	30.	76.4
%RSD	.05715	.05974	1.3258
#1	3253.2	50469.	5817.1
#2	3255.8	50426.	5709.0

Sample Name: 280-28335-a-4-a Acquired: 5/3/2012 12:58:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00325	-.00053	.13778	.43335	.00003	-.00085	13.237	.00029	.00017
Stddev	.00018	.00014	.00049	.00058	.00014	.00004	.00109	.025	.00012	.00007
%RSD	58.745	4.4105	92.265	.41927	.03225	148.17	128.14	.18835	40.040	42.069
#1	.00018	.00335	-.00088	.13737	.43345	.00005	-.00008	13.219	.00021	.00012
#2	.00044	.00315	-.00018	.13818	.43326	.00000	-.00161	13.254	.00037	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00135	.01540	35.120	.05919	10.837	.02869	.00165	156.34	.00061
Stddev	.00002	.00036	.00305	.094	.00010	.017	.00005	.00025	.56	.00023
%RSD	6.3912	26.919	19.824	.26782	.16477	.16004	.18059	15.183	.35573	37.159
#1	.00029	.00161	.01324	35.053	.05912	10.825	.02873	.00147	155.95	.00077
#2	.00032	.00110	.01755	35.186	.05925	10.849	.02866	.00182	156.74	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09314	-.00127	10.908	-.00193	-.00302	11.237	24.048	-.00191	.22636	-.00090
Stddev	.00023	.00037	.038	.00035	.00044	.043	.092	.00022	.00058	.00074
%RSD	.24371	29.153	.34680	17.993	14.563	.38083	.38083	11.517	.25793	82.138
#1	.09298	-.00101	10.935	-.00168	-.00271	11.207	23.983	-.00175	.22595	-.00038
#2	.09330	-.00154	10.882	-.00218	-.00333	11.268	24.113	-.00206	.22677	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00091	-.00594	-.00015	.00348	-.00063
Stddev	.00001	.00037	.02011	.00002	.00001	.00111
%RSD	12.338	41.058	338.44	10.428	.26269	175.61
#1	.00011	.00118	-.02016	-.00016	.00347	.00015
#2	.00009	.00065	.00828	-.00014	.00348	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3283.8	50675.	5850.4
Stddev	1.7	32.	23.6
%RSD	.05042	.06260	.40385
#1	3282.7	50697.	5867.1
#2	3285.0	50652.	5833.7

Sample Name: 280-28206-d-1-a@10 Acquired: 5/3/2012 13:00:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117386 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.02410	-.00334	.03154	.00147	-.00006	-.00524	39.718	.00080	.00019
Stddev	.00067	.00046	.00037	.00057	.00005	.00002	.00022	.056	.00002	.00023
%RSD	580.77	1.9075	11.216	1.8060	3.6173	34.401	4.1531	.14092	2.4305	115.71
#1	.00059	.02442	-.00308	.03194	.00143	-.00008	-.00508	39.679	.00078	.00004
#2	-.00036	.02377	-.00361	.03114	.00150	-.00005	-.00539	39.758	.00081	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00130	.08416	1.8628	.14873	162.42	.07944	-.00006	43.538	.00162
Stddev	.00002	.00002	.00101	.0351	.00062	.87	.00023	.00022	.008	.00003
%RSD	6.7594	1.5211	1.2058	1.8836	.41993	.53648	.28368	387.55	.01871	1.8335
#1	.00028	.00128	.08344	1.8380	.14917	161.80	.07928	-.00021	43.543	.00164
#2	.00031	.00131	.08487	1.8876	.14829	163.03	.07960	.00010	43.532	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00582	-.00041	F 231.64	-.00241	.21301	.63154	1.3515	-.00048	.77350	-.00138
Stddev	.00363	.00054	1.98	.00159	.00350	.00740	.0158	.00129	.00041	.00059
%RSD	62.498	130.05	.85393	66.092	1.6432	1.1721	1.1721	268.48	.05278	42.918
#1	.00325	-.00003	233.03	-.00128	.21054	.62630	1.3403	.00043	.77379	-.00096
#2	.00839	-.00079	230.24	-.00353	.21549	.63677	1.3627	-.00139	.77321	-.00180
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	-.00180	-.01092	.00053	.00760	.00125
Stddev	.00017	.00219	.01306	.00007	.00032	.00292
%RSD	23.550	121.55	119.62	12.774	4.1566	233.47
#1	.00086	-.00334	-.02016	.00048	.00738	.00331
#2	.00061	-.00025	-.00168	.00057	.00783	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3247.1	50382.	5785.0
Stddev	19.5	114.	42.6
%RSD	.60135	.22683	.73643
#1	3233.3	50463.	5754.8
#2	3260.9	50301.	5815.1

Sample Name: 280-28206-d-6-a@10 Acquired: 5/3/2012 13:03:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117386 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00758	.00016	.04474	.00078	-.00004	-.00267	37.521	.00101	.00057
Stddev	.00022	.00046	.00302	.00059	.00004	.00004	.00157	.309	.00004	.00005
%RSD	1403.6	6.0827	1945.0	1.3095	5.7062	116.63	58.702	.82456	3.7629	9.5648
#1	.00017	.00791	-.00198	.04432	.00081	-.00001	-.00156	37.302	.00104	.00061
#2	-.00014	.00725	.00229	.04515	.00075	-.00006	-.00378	37.739	.00098	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00125	.01760	2.1802	.34417	321.09	.29088	-.00025	281.03	.00122
Stddev	.00000	.00039	.00053	.0423	.00167	.64	.00092	.00025	1.55	.00003
%RSD	41.200	31.199	3.0238	1.9377	.48386	.19883	.31709	99.059	.55069	2.0913
#1	.00000	.00098	.01722	2.1503	.34299	321.55	.29153	-.00043	279.93	.00120
#2	.00001	.00153	.01797	2.2101	.34535	320.64	.29023	-.00008	282.12	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00422	.00104	F 561.79	-.00214	.00942	.52931	1.1327	-.00047	.95353	-.00219
Stddev	.00193	.00082	1.00	.00299	.00141	.01558	.0333	.00020	.00510	.00101
%RSD	45.616	78.763	.17731	139.45	15.021	2.9429	2.9429	42.154	.53528	46.073
#1	.00286	.00046	561.09	-.00426	.01042	.51829	1.1091	-.00033	.94992	-.00290
#2	.00559	.00162	562.50	-.00003	.00842	.54032	1.1563	-.00061	.95714	-.00148
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00001	-.01304	.00043	.00499	.00007
Stddev	.00016	.00173	.02604	.00050	.00045	.00052
%RSD	86.250	15843.	199.63	116.84	8.9424	770.44
#1	.00030	-.00123	-.03146	.00008	.00468	.00043
#2	.00007	.00121	.00537	.00079	.00531	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3166.1	48227.	5691.4
Stddev	1.5	197.	12.3
%RSD	.04795	.40933	.21634
#1	3165.1	48087.	5682.7
#2	3167.2	48366.	5700.1

Sample Name: 280-28206-d-7-a@10 Acquired: 5/3/2012 13:05:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117386 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00026	-.00220	.04378	.00072	.00006	-.00047	37.353	.00099	.00054
Stddev	.00010	.00013	.00228	.00037	.00023	.00001	.00146	.192	.00015	.00022
%RSD	36.064	50.996	103.46	.85523	32.023	21.468	308.16	.51469	14.629	41.385
#1	.00020	.00017	-.00059	.04351	.00088	.00007	-.00151	37.217	.00089	.00070
#2	.00034	.00035	-.00382	.04404	.00056	.00005	.00056	37.489	.00110	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00095	.00571	4.2326	.45972	494.98	.10581	-.00054	194.14	.00333
Stddev	.00026	.00024	.00069	.0520	.00174	1.24	.00143	.00017	.13	.00008
%RSD	348.37	25.810	12.086	1.2289	.37923	.25012	1.3527	31.398	.06513	2.4454
#1	-.00011	.00078	.00522	4.1958	.46095	495.86	.10683	-.00067	194.05	.00327
#2	.00026	.00112	.00620	4.2693	.45849	494.10	.10480	-.00042	194.23	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00374	.00035	F 689.09	-.00102	.04971	.49793	1.0656	-.00103	.83327	-.00188
Stddev	.00023	.00004	5.01	.00009	.00155	.01287	.0275	.00057	.00434	.00053
%RSD	6.0466	12.469	.72739	8.8254	3.1252	2.5848	2.5848	54.947	.52092	28.295
#1	.00358	.00032	685.55	-.00108	.04861	.48883	1.0461	-.00143	.83020	-.00226
#2	.00390	.00038	692.64	-.00096	.05081	.50703	1.0850	-.00063	.83634	-.00151
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00101	-.00960	.00107	.00463	-.00031
Stddev	.00026	.00016	.00426	.00023	.00001	.00024
%RSD	1251.7	15.757	44.426	21.097	.24524	77.252
#1	-.00017	-.00112	-.01262	.00123	.00464	-.00014
#2	.00021	-.00090	-.00658	.00091	.00462	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3130.8	48088.	5784.6
Stddev	17.4	375.	15.8
%RSD	.55541	.77983	.27268
#1	3143.1	47823.	5795.8
#2	3118.5	48353.	5773.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 13:08:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00095	48.056	-.00198	.00215	.00033	.00005	.99155	.01113	.00000	.00054	.00049	-.00176
Stddev	.00000	.288	.00251	.00025	.00022	.00007	.00454	.00248	.00012	.00025	.00006	.00088
%RSD	.22696	.59983	126.55	11.768	65.406	144.51	.45827	22.283	7489.5	46.210	12.078	49.934
#1	-.00095	47.852	-.00021	.00197	.00049	.00009	.99477	.01288	.00009	.00037	.00044	-.00114
#2	-.00096	48.260	-.00376	.00233	.00018	.00000	.98834	.00937	-.00009	.00072	.00053	-.00238
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.782	.08100	.00330	-.00830	.00011	-.00036	243.26	.00144	.00341	-.00114	4.9485	-.00061
Stddev	.213	.01807	.00028	.00519	.00003	.00047	1.44	.00073	.00086	.00140	.0069	.00030
%RSD	.43731	22.305	8.4189	62.566	23.078	128.40	.59213	50.668	25.321	122.77	.13901	48.432
#1	48.631	.09378	.00310	-.00463	.00013	-.00069	242.24	.00092	.00280	-.00213	4.9533	-.00082
#2	48.933	.06823	.00350	-.01198	.00009	-.00003	244.28	.00196	.00402	-.00015	4.9436	-.00040
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00244	.03692	.07900	.00180	.00044	5.1497	.00603	-.00249	W 10.652	-.00315	.00166	-.04357
Stddev	.00224	.00629	.01347	.00029	.00017	.0261	.00049	.00063	.010	.00013	.00090	.00186
%RSD	92.053	17.051	17.051	16.149	37.950	.50674	8.0426	25.163	.09488	4.2171	54.295	4.2611
#1	.00402	.04137	.08853	.00201	.00055	5.1313	.00638	-.00205	10.659	-.00305	.00102	-.04488
#2	.00085	.03247	.06948	.00160	.00032	5.1682	.00569	-.00293	10.645	-.00324	.00229	-.04226
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3310.8	50883.	5836.0
Stddev	4.0	426.	59.5
%RSD	.12170	.83658	1.0203
#1	3313.7	51184.	5878.1
#2	3308.0	50582.	5793.9

Sample Name: CCV-1390955 Acquired: 5/3/2012 13:10:33 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51818	.50372	.98342	.48445	.49035	.47083	-.00356	4.6731	.49351	.49936	.49941	.53251	2.4857
Stddev	.00016	.00006	.00629	.00092	.00170	.00263	.00193	.0329	.00079	.00006	.00040	.00091	.0210
%RSD	.03021	.01204	.63988	.19051	.34666	.55866	54.366	.70318	.16078	.01102	.07981	.17103	.84431
#1	.51807	.50376	.98787	.48380	.49155	.47269	-.00219	4.6964	.49295	.49940	.49970	.53186	2.5005
#2	.51829	.50367	.97897	.48510	.48914	.46897	-.00493	4.6499	.49407	.49933	.49913	.53315	2.4709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.217	.93923	20.562	.52625	.49902	4.7964	.49567	.95097	1.0192	.04268	.97074	.99303	4.6747
Stddev	.199	.00156	.102	.00175	.00094	.0107	.00067	.00743	.0036	.00120	.00061	.00644	.0168
%RSD	.40386	.16643	.49594	.33188	.18737	.22256	.13485	.78165	.35420	2.8057	.06330	.64837	.35926
#1	49.358	.94033	20.634	.52748	.49836	4.8039	.49519	.95622	1.0166	.04352	.97118	.99758	4.6628
#2	49.076	.93812	20.490	.52501	.49968	4.7888	.49614	.94571	1.0217	.04183	.97031	.98848	4.6866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.004	1.0029	.49188	-.00072	.49830	1.0202	.01194	.50071	.50349	.49941
Stddev	.036	.0026	.00156	.00171	.00065	.0003	.00949	.00024	.00548	.00177
%RSD	.35926	.25495	.31791	237.98	.13101	.03049	79.500	.04756	1.0885	.35404
#1	9.9784	1.0047	.49299	-.00193	.49784	1.0199	.00523	.50088	.50737	.50066
#2	10.029	1.0011	.49078	.00049	.49877	1.0204	.01865	.50055	.49962	.49816
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3352.2	51900.	5791.4
Stddev	5.5	280.	51.7
%RSD	.16295	.54044	.89209
#1	3348.4	51702.	5754.8
#2	3356.1	52099.	5827.9

Sample Name: CCB Acquired: 5/3/2012 13:12:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00013	-.00396	.00092	.00029	.00014	-.00111	-.00204	.00010	-.00001	.00020	.00033
Stddev	.00015	.00019	.00082	.00099	.00002	.00008	.00027	.00292	.00003	.00019	.00013	.00002
%RSD	65.569	144.87	20.631	107.52	5.5835	58.101	24.072	142.85	34.497	2075.8	67.512	6.6351
#1	.00033	-.00026	-.00454	.00162	.00030	.00019	-.00130	-.00410	.00008	.00013	.00010	.00034
#2	.00012	.00000	-.00338	.00022	.00028	.00008	-.00092	.00002	.00012	-.00015	.00029	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00129	.04355	W .00264	.00353	.00003	.00096	W .11769	-.00005	.00154	-.00042	.03306	.00197
Stddev	.00174	.03899	.00025	.00090	.00003	.00013	.01470	.00009	.00068	.00150	.00053	.00218
%RSD	135.48	89.529	9.6386	25.399	89.278	13.318	12.487	194.15	43.939	353.89	1.6150	110.76
#1	-.00252	.07112	.00282	.00290	.00001	.00087	.10730	.00002	.00106	-.00148	.03269	.00043
#2	-.00005	.01598	.00246	.00417	.00005	.00106	.12808	-.00011	.00201	.00064	.03344	.00351
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00171	.03431	.07343	.00025	.00005	.00010	-.00001	-.00232	-.00017	-.00062	.00271	.00088
Stddev	.00227	.01186	.02538	.00071	.00007	.00023	.00023	.00185	.00322	.00031	.00006	.00076
%RSD	132.66	34.570	34.570	282.03	150.02	226.43	2568.1	79.882	1902.9	50.036	2.1738	86.355
#1	-.00011	.02592	.05548	.00075	.00009	.00026	-.00017	-.00363	-.00245	-.00040	.00267	.00034
#2	-.00332	.04270	.09138	-.00025	.00000	-.00006	.00016	-.00101	.00211	-.00083	.00275	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3407.1	53009.	5775.9
Stddev	5.3	73.	33.3
%RSD	.15432	.13683	.57611
#1	3410.8	53060.	5799.5
#2	3403.3	52958.	5752.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 13:15:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01093	.10312	.01185	.09422	.01016	.00095	.10707	.18634	.00511	.01048	.01036	.01606	.10065
Stddev	.00011	.00057	.00424	.00017	.00006	.00002	.00251	.00200	.00008	.00006	.00035	.00004	.00369
%RSD	.96259	.55017	35.761	.18199	.56197	1.9568	2.3433	1.0740	1.5217	.58559	3.3938	.27706	3.6698
#1	.01101	.10272	.00885	.09410	.01012	.00096	.10884	.18775	.00505	.01053	.01060	.01609	.10326
#2	.01086	.10352	.01485	.09434	.01021	.00093	.10530	.18492	.00516	.01044	.01011	.01603	.09804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1138	.01258	.20908	.01072	.01985	1.0838	.04087	2.7189	.00981	.04217	.00916	F .00966	.47338
Stddev	.0245	.00160	.00474	.00007	.00032	.0052	.00040	.0094	.00028	.00355	.00012	.00059	.00771
%RSD	.78762	12.686	2.2678	.61274	1.6027	.48257	.97537	.34620	2.8824	8.4295	1.3166	6.1205	1.6283
#1	3.1311	.01371	.21244	.01077	.01962	1.0875	.04115	2.7255	.00961	.04468	.00925	.01008	.46793
#2	3.0964	.01145	.20573	.01067	.02007	1.0801	.04059	2.7122	.01001	.03965	.00908	.00924	.47883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0130	.10030	.00998	.01618	.00976	.01462	.05562	.01018	.02305	.01355
Stddev	.0165	.00077	.00005	.00003	.00032	.00082	.02266	.00012	.00037	.00209
%RSD	1.6283	.76357	.50392	.16271	3.2418	5.6035	40.750	1.2121	1.6102	15.440
#1	1.0014	.09976	.01002	.01616	.00998	.01404	.07164	.01010	.02332	.01207
#2	1.0247	.10084	.00995	.01620	.00953	.01520	.03959	.01027	.02279	.01503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3387.0	52993.	5712.7
Stddev	1.2	418.	37.6
%RSD	.03491	.78814	.65901
#1	3386.2	52698.	5686.1
#2	3387.9	53288.	5739.4

Sample Name: mb 280-117542/1-b Acquired: 5/3/2012 13:17:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00067	-.00144	-.00010	.00041	.00002	.00245	.00692	-.00010	.00020
Stddev	.00020	.00026	.00326	.00001	.00012	.00003	.00077	.00016	.00012	.00007
%RSD	54.319	39.564	227.14	7.1483	29.506	193.35	31.451	2.3774	117.61	36.322
#1	.00023	.00086	-.00374	-.00010	.00032	-.00001	.00191	.00704	-.00018	.00025
#2	.00051	.00048	.00087	-.00009	.00050	.00004	.00300	.00680	-.00002	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.00012	.00171	.05806	.00120	.00132	.00003	-.00029	W .08705	.00000
Stddev	.00010	.00002	.00324	.00294	.00197	.00326	.00001	.00019	.01526	.00002
%RSD	76.912	19.697	188.87	5.0698	164.36	247.12	29.103	65.704	17.528	847.19
#1	-.00006	.00010	.00400	.06014	.00259	.00362	.00004	-.00042	.07626	.00002
#2	-.00020	.00014	-.00058	.05598	-.00019	-.00099	.00002	-.00015	.09784	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00051	F .03498	-.00330	-.00297	F .02017	.04316	-.00062	.00007	-.00091
Stddev	.00035	.00027	.00120	.00204	.00363	.00418	.00895	.00008	.00000	.00048
%RSD	206.97	53.161	3.4451	61.912	122.16	20.744	20.744	12.398	5.8552	53.203
#1	.00041	-.00032	.03583	-.00185	-.00040	.02313	.04949	-.00067	.00006	-.00125
#2	-.00008	-.00070	.03412	-.00474	-.00554	.01721	.03683	-.00056	.00007	-.00057
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00032	.00451	-.00055	.00317	.00058
Stddev	.00042	.00014	.01697	.00027	.00036	.00005
%RSD	522.81	43.458	376.54	49.128	11.288	9.2237
#1	-.00038	-.00022	.01650	-.00074	.00342	.00054
#2	.00022	-.00042	-.00749	-.00036	.00292	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3412.3	53648.	5836.2
Stddev	.8	57.	57.0
%RSD	.02228	.10705	.97685
#1	3412.9	53689.	5876.5
#2	3411.8	53607.	5795.9

Sample Name: lcs 280-117542/2-b Acquired: 5/3/2012 13:20:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05306	1.8769	1.0057	1.0110	1.9529	.04748	2.0838	46.114	.10062	.48817
Stddev	.00093	.0158	.0052	.0019	.0017	.00042	.0057	.170	.00041	.00171
%RSD	1.7451	.84008	.51975	.18252	.08687	.89207	.27184	.36808	.40489	.35117
#1	.05240	1.8881	1.0020	1.0123	1.9517	.04718	2.0878	45.994	.10090	.48938
#2	.05371	1.8658	1.0094	1.0097	1.9541	.04778	2.0798	46.234	.10033	.48695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19859	.26374	.99406	49.522	.95939	50.639	.51977	1.0035	50.237	.48837
Stddev	.00034	.00015	.00303	.112	.00547	.075	.00076	.0060	.398	.00212
%RSD	.16919	.05858	.30513	.22561	.56975	.14829	.14668	.60144	.79240	.43378
#1	.19883	.26363	.99620	49.443	.95552	50.586	.51923	1.0078	49.955	.48987
#2	.19835	.26385	.99191	49.601	.96325	50.692	.52031	.99922	50.518	.48687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8886	.49128	.03314	.48461	2.0747	F 9.3784	F 20.070	1.9901	.98695	1.0312
Stddev	.0673	.00165	.00528	.00583	.0094	.1076	.230	.0094	.00071	.0003
%RSD	.68063	.33578	15.945	1.2023	.45081	1.1470	1.1470	.47277	.07184	.02605
#1	9.9362	.49244	.03687	.48873	2.0813	9.3023	19.907	1.9968	.98645	1.0314
#2	9.8410	.49011	.02940	.48049	2.0681	9.4545	20.233	1.9835	.98745	1.0310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	2.0262	2.2029	.50672	.49263	.48976
Stddev	.0004	.0108	.0267	.00131	.00066	.00219
%RSD	.04228	.53349	1.2108	.25911	.13382	.44799
#1	.99990	2.0338	2.2217	.50579	.49217	.49131
#2	1.0005	2.0185	2.1840	.50764	.49310	.48820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3235.2	50613.	5749.3
Stddev	7.6	33.	68.8
%RSD	.23504	.06473	1.1969
#1	3229.8	50636.	5798.0
#2	3240.5	50590.	5700.7

Sample Name: 280-28280-c-1-e Acquired: 5/3/2012 13:22:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.17218	-.00066	.01091	.05265	.00007	-.00060	25.426	.00003	.00047
Stddev	.00038	.00072	.00257	.00005	.00032	.00006	.00019	.067	.00014	.00032
%RSD	87.559	.41810	391.05	.43098	.60369	87.640	31.909	.26379	520.45	68.469
#1	.00017	.17269	.00116	.01087	.05288	.00011	-.00047	25.473	.00012	.00070
#2	.00071	.17167	-.00247	.01094	.05243	.00003	-.00074	25.379	-.00007	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	.00183	.37139	1.3059	.00278	6.5486	.06039	.00354	16.549	.00056
Stddev	.00010	.00031	.00003	.0248	.00203	.0666	.00063	.00037	.253	.00020
%RSD	20.031	16.906	.00741	1.8960	72.829	1.0176	1.0398	10.366	1.5301	35.080
#1	.00055	.00161	.37141	1.3235	.00422	6.5015	.05995	.00328	16.728	.00070
#2	.00041	.00205	.37137	1.2884	.00135	6.5957	.06084	.00380	16.370	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02063	.00021	8.0742	-.00095	-.00286	4.1151	8.8062	.00111	.31936	-.00105
Stddev	.00187	.00189	.0260	.00149	.00189	.0349	.0747	.00005	.00199	.00037
%RSD	9.0885	911.83	.32161	156.75	66.298	.84875	.84875	4.7018	.62315	35.111
#1	.01930	.00154	8.0925	-.00201	-.00152	4.1397	8.8591	.00107	.32077	-.00131
#2	.02195	-.00113	8.0558	.00010	-.00420	4.0904	8.7534	.00114	.31796	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00144	.00021	-.00058	.00071	.01371	.00038
Stddev	.00031	.00252	.00760	.00022	.00029	.00117
%RSD	21.786	1203.9	1311.0	31.081	2.1464	305.11
#1	.00122	-.00157	-.00596	.00087	.01351	-.00044
#2	.00167	.00199	.00480	.00056	.01392	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3327.4	52526.	5768.1
Stddev	10.2	359.	22.5
%RSD	.30627	.68323	.39049
#1	3320.2	52780.	5752.1
#2	3334.6	52272.	5784.0

Sample Name: SD 280-28280-c-1-e@5 Acquired: 5/3/2012 13:24:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.03718	-.00156	.00274	.01057	.00005	-.00088	5.1150	.00000	.00026
Stddev	.00040	.00022	.00132	.00044	.00009	.00002	.00058	.0052	.00003	.00014
%RSD	134.99	.60343	84.881	16.236	.81581	42.330	66.009	.10166	3671.3	53.327
#1	.00057	.03703	-.00062	.00305	.01051	.00003	-.00129	5.1187	-.00002	.00035
#2	.00001	.03734	-.00249	.00242	.01063	.00006	-.00047	5.1113	.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00004	.09210	.29949	.00325	1.2940	.01278	.00037	3.1145	-.00001
Stddev	.00005	.00030	.00177	.00510	.00007	.0022	.00003	.00017	.0037	.00014
%RSD	25.074	766.47	1.9249	1.7021	2.2882	.17278	.20937	44.748	.11924	993.77
#1	.00016	-.00025	.09085	.30309	.00319	1.2924	.01276	.00025	3.1172	.00009
#2	.00023	.00017	.09336	.29589	.00330	1.2956	.01280	.00049	3.1119	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00331	-.00108	1.5311	-.00038	-.00209	.83621	1.7895	.00046	.06380	.00076
Stddev	.00278	.00069	.0010	.00184	.00045	.00826	.0177	.00000	.00029	.00044
%RSD	84.199	64.114	.06192	482.93	21.456	.98736	.98736	.28276	.44774	57.674
#1	.00134	-.00059	1.5304	-.00169	-.00241	.84205	1.8020	.00046	.06400	.00107
#2	.00528	-.00157	1.5318	.00092	-.00177	.83037	1.7770	.00046	.06360	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00251	.01043	-.00019	.00686	-.00026
Stddev	.00014	.00109	.01747	.00019	.00017	.00084
%RSD	35.808	43.323	167.56	100.65	2.5446	319.25
#1	.00030	-.00174	-.00193	-.00006	.00699	-.00086
#2	.00050	-.00328	.02278	-.00033	.00674	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3350.9	53130.	5745.3
Stddev	3.9	49.	19.7
%RSD	.11586	.09204	.34373
#1	3353.6	53096.	5731.4
#2	3348.1	53165.	5759.3

Sample Name: 280-28280-c-1-f ms Acquired: 5/3/2012 13:26:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05195	1.9944	.99552	1.0081	1.9767	.04713	F 2.0602	71.036	.09998	.48062
Stddev	.00042	.0049	.00033	.0032	.0017	.00002	.0010	.083	.00008	.00022
%RSD	.80319	.24447	.03345	.31596	.08368	.05284	.04658	.11746	.07690	.04542
#1	.05225	1.9909	.99529	1.0058	1.9755	.04715	2.0608	71.095	.10004	.48077
#2	.05166	1.9978	.99576	1.0103	1.9779	.04711	2.0595	70.977	.09993	.48047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19628	.25948	1.3302	50.192	.95847	55.762	.56628	.99422	65.743	.47954
Stddev	.00011	.00010	.0020	.097	.00225	.101	.00120	.00322	.201	.00169
%RSD	.05522	.03884	.14849	.19300	.23428	.18109	.21107	.32348	.30639	.35232
#1	.19620	.25956	1.3288	50.123	.95688	55.833	.56712	.99650	65.886	.47835
#2	.19636	.25941	1.3316	50.260	.96006	55.691	.56543	.99195	65.601	.48074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.8649	.48409	8.1565	.48443	2.0346	13.464	28.813	1.9660	1.2867	1.0117
Stddev	.0456	.00336	.0125	.00233	.0089	.002	.004	.0004	.0018	.0056
%RSD	.46228	.69402	.15348	.48194	.43537	.01478	.01478	.02122	.14135	.55549
#1	9.8327	.48171	8.1477	.48278	2.0284	13.463	28.810	1.9657	1.2854	1.0156
#2	9.8972	.48646	8.1654	.48608	2.0409	13.465	28.816	1.9663	1.2880	1.0077
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98947	1.9766	2.1544	.49994	.49376	.48126
Stddev	.00213	.0006	.0108	.00097	.00280	.00126
%RSD	.21550	.02997	.50270	.19366	.56693	.26205
#1	.99097	1.9762	2.1621	.49926	.49574	.48037
#2	.98796	1.9770	2.1467	.50063	.49178	.48215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3235.6	50686.	5774.7
Stddev	1.9	98.	1.7
%RSD	.05831	.19243	.02961
#1	3237.0	50617.	5773.5
#2	3234.3	50755.	5775.9

Sample Name: 280-28280-c-1-g msd Acquired: 5/3/2012 13:29:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05215	2.0034	1.0057	1.0117	1.9875	.04734	F 2.0657	71.189	.09974	.48217
Stddev	.00045	.0033	.0024	.0001	.0018	.00020	.0067	.205	.00013	.00008
%RSD	.86217	.16596	.24274	.01464	.09031	.41530	.32252	.28773	.12800	.01583
#1	.05184	2.0057	1.0040	1.0116	1.9888	.04748	2.0610	71.334	.09965	.48222
#2	.05247	2.0010	1.0074	1.0118	1.9863	.04720	2.0704	71.044	.09983	.48212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19714	.26079	1.3380	50.451	.96419	55.995	.57028	.99937	65.874	.48136
Stddev	.00086	.00144	.0023	.039	.00531	.108	.00128	.00019	.266	.00069
%RSD	.43674	.55107	.16996	.07776	.55038	.19314	.22520	.01851	.40421	.14387
#1	.19775	.25977	1.3364	50.478	.96794	55.919	.56937	.99924	66.062	.48185
#2	.19653	.26180	1.3396	50.423	.96043	56.072	.57119	.99950	65.685	.48087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.9155	.48351	8.1664	.48476	2.0407	13.546	28.989	1.9672	1.2946	1.0145
Stddev	.0221	.00068	.0032	.00212	.0145	.018	.039	.0039	.0005	.0010
%RSD	.22319	.14013	.03891	.43680	.70972	.13579	.13579	.19968	.04005	.09852
#1	9.9312	.48399	8.1641	.48327	2.0509	13.559	29.016	1.9644	1.2949	1.0152
#2	9.8999	.48303	8.1686	.48626	2.0305	13.533	28.961	1.9700	1.2942	1.0138
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99215	1.9786	2.1430	.50008	.49307	.48202
Stddev	.00069	.0001	.0294	.00356	.00022	.00107
%RSD	.06956	.00676	1.3739	.71123	.04536	.22129
#1	.99166	1.9787	2.1638	.49756	.49291	.48127
#2	.99264	1.9785	2.1222	.50259	.49323	.48278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3225.0	50472.	5742.6
Stddev	4.1	118.	19.8
%RSD	.12571	.23475	.34526
#1	3227.9	50556.	5728.6
#2	3222.2	50389.	5756.7

Sample Name: 280-28280-d-2-b Acquired: 5/3/2012 13:31:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.28403	-.00268	.00900	.04732	.00007	.00244	18.517	.00024	.00057
Stddev	.00003	.00064	.00077	.00030	.00051	.00000	.00274	.048	.00006	.00024
%RSD	6.1717	.22379	28.604	3.2892	1.0698	5.3494	112.03	.25862	23.957	42.209
#1	.00053	.28448	-.00322	.00879	.04767	.00007	.00051	18.550	.00020	.00040
#2	.00049	.28359	-.00214	.00921	.04696	.00007	.00438	18.483	.00028	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00258	.62346	1.0986	.00383	3.9585	.15033	.00277	8.0244	.00095
Stddev	.00014	.00016	.00064	.0280	.00240	.0008	.00016	.00100	.0181	.00042
%RSD	49.253	6.1189	.10244	2.5487	62.801	.01942	.10501	36.281	.22557	43.662
#1	.00018	.00247	.62301	1.1184	.00553	3.9590	.15021	.00206	8.0372	.00066
#2	.00038	.00269	.62391	1.0788	.00213	3.9579	.15044	.00348	8.0116	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03936	-.00052	4.9630	.00002	-.00162	4.7092	10.078	-.00002	.20417	.00131
Stddev	.00071	.00106	.0010	.00149	.00100	.0024	.005	.00029	.00108	.00015
%RSD	1.7942	202.62	.02024	6194.8	61.609	.05149	.05149	1713.9	.52865	11.666
#1	.03886	-.00127	4.9637	-.00103	-.00091	4.7075	10.074	.00019	.20493	.00142
#2	.03986	.00023	4.9623	.00108	-.00233	4.7109	10.081	-.00022	.20340	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00259	.00074	-.00143	.00149	.00985	.00019
Stddev	.00013	.00128	.01223	.00028	.00038	.00035
%RSD	4.9974	173.24	852.42	18.560	3.8247	180.65
#1	.00269	-.00017	-.01008	.00130	.00958	.00044
#2	.00250	.00165	.00721	.00169	.01011	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3373.1	53187.	5857.9
Stddev	8.6	25.	10.7
%RSD	.25515	.04688	.18186
#1	3367.0	53205.	5865.5
#2	3379.2	53170.	5850.4

Sample Name: 280-28280-d-3-b Acquired: 5/3/2012 13:33:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.93680	-.00473	.00910	.13800	.00042	.00033	21.304	.00008	.00343
Stddev	.00024	.00097	.00067	.00035	.00076	.00001	.00112	.028	.00001	.00009
%RSD	87.814	.10365	14.071	3.8612	.55253	2.9782	343.90	.13103	17.561	2.6666
#1	.00045	.93612	-.00426	.00935	.13746	.00041	-.00047	21.324	.00009	.00336
#2	.00010	.93749	-.00520	.00885	.13853	.00043	.00112	21.284	.00007	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00651	1.4882	1.3485	.00131	4.1108	.56498	.00026	6.1848	.00302
Stddev	.00008	.00010	.0098	.0014	.00098	.0143	.00042	.00017	.0119	.00002
%RSD	16.129	1.5277	.66003	.10258	74.837	.34813	.07349	64.463	.19290	.56126
#1	.00042	.00658	1.4813	1.3495	.00062	4.1209	.56527	.00014	6.1764	.00303
#2	.00053	.00644	1.4952	1.3476	.00200	4.1007	.56469	.00038	6.1932	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12209	.00246	5.8359	-.00051	-.00272	6.0103	12.862	-.00098	.21340	.00003
Stddev	.00008	.00216	.0096	.00151	.00070	.0353	.076	.00003	.00094	.00120
%RSD	.06506	87.802	.16384	294.25	25.627	.58806	.58806	3.4532	.44140	3663.7
#1	.12214	.00093	5.8292	-.00158	-.00321	5.9853	12.809	-.00096	.21273	-.00082
#2	.12203	.00399	5.8427	.00056	-.00223	6.0353	12.916	-.00100	.21407	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00131	-.00103	-.00300	.00511	.02390	.00191
Stddev	.00005	.00118	.00722	.00049	.00017	.00167
%RSD	4.0265	114.11	240.36	9.6333	.72936	87.307
#1	.00127	-.00020	.00210	.00476	.02378	.00309
#2	.00134	-.00186	-.00811	.00546	.02402	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3390.4	52962.	5860.2
Stddev	10.6	3.	23.0
%RSD	.31173	.00472	.39170
#1	3382.9	52960.	5844.0
#2	3397.9	52964.	5876.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 13:35:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	47.612	-.00152	.00236	.00041	.00001	.98020	.00995	.00001	.00037	.00042	-.00288	47.732
Stddev	.00050	.098	.00403	.00050	.00007	.00003	.00186	.00074	.00010	.00018	.00026	.00016	.042
%RSD	114.59	.20681	265.79	21.114	17.485	432.65	.19006	7.4273	1062.8	48.124	60.830	5.5121	.08864
#1	-.00079	47.542	-.00437	.00271	.00036	-.00002	.98152	.01047	-.00006	.00050	.00024	-.00299	47.761
#2	-.00008	47.682	.00133	.00200	.00046	.00003	.97888	.00943	.00008	.00025	.00060	-.00277	47.702
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01267	.00212	-.03854	.00013	-.00067	238.15	.00124	.00201	.00041	4.8243	-.00126	.00393	.04516
Stddev	.03316	.00090	.00049	.00006	.00007	.38	.00033	.00030	.00007	.0037	.00007	.00506	.00759
%RSD	261.72	42.274	1.2722	47.202	10.055	.16119	26.649	15.000	17.335	.07641	5.8282	128.56	16.798
#1	-.01078	.00275	-.03820	.00017	-.00072	237.88	.00147	.00180	.00046	4.8217	-.00120	.00036	.03980
#2	.03612	.00148	-.03889	.00008	-.00062	238.42	.00100	.00223	.00036	4.8269	-.00131	.00751	.05053
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09665	-.00095	.00038	5.0017	.00706	-.00175	10.337	-.00363	.00267	-.04455
Stddev	.01624	.00048	.00005	.0061	.00035	.00079	.032	.00010	.00024	.00122
%RSD	16.798	50.596	12.179	.12253	5.0181	45.267	.31000	2.8230	8.8064	2.7493
#1	.08517	-.00129	.00035	5.0060	.00731	-.00231	10.360	-.00356	.00284	-.04541
#2	.10813	-.00061	.00041	4.9974	.00681	-.00119	10.315	-.00370	.00250	-.04368
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3256.8	50611.	5722.0
Stddev	4.9	40.	19.1
%RSD	.15176	.07812	.33377
#1	3260.3	50583.	5708.5
#2	3253.3	50639.	5735.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 13:38:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50362	.49155	.97545	.47589	.48686	.46799	-.00329	4.6859	.48646	.49335	.49398	.51367	2.4581
Stddev	.00022	.00140	.00194	.00085	.00268	.00192	.00050	.0022	.00135	.00085	.00201	.00223	.0073
%RSD	.04280	.28550	.19838	.17930	.55070	.41070	15.095	.04684	.27838	.17293	.40627	.43486	.29783
#1	.50377	.49254	.97681	.47649	.48496	.46663	-.00365	4.6843	.48742	.49395	.49539	.51525	2.4529
#2	.50347	.49056	.97408	.47528	.48875	.46934	-.00294	4.6874	.48550	.49274	.49256	.51209	2.4633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.697	.95288	19.832	.50873	.49330	4.7073	.48935	.93389	1.0038	.01082	.95163	.97855	4.6763
Stddev	.369	.00376	.038	.00071	.00195	.0052	.00207	.00698	.0035	.00339	.00452	.00714	.0304
%RSD	.75782	.39471	.19148	.13877	.39445	.11036	.42307	.74729	.35289	31.310	.47509	.73002	.65014
#1	48.436	.95022	19.806	.50823	.49467	4.7110	.49082	.93882	1.0063	.01322	.95482	.98361	4.6548
#2	48.958	.95554	19.859	.50923	.49192	4.7036	.48789	.92895	1.0013	.00843	.94843	.97350	4.6978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.007	.98371	.48488	-.00091	.49022	.99818	.00596	.49482	.49002	.49235
Stddev	.065	.00201	.00368	.00026	.00121	.00270	.00553	.00144	.00120	.00267
%RSD	.65014	.20477	.75846	28.726	.24588	.27041	92.825	.29018	.24573	.54220
#1	9.9612	.98513	.48228	-.00110	.48937	1.0001	.00205	.49381	.49087	.49047
#2	10.053	.98228	.48748	-.00073	.49108	.99627	.00986	.49584	.48917	.49424
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3325.0	51890.	5687.6
Stddev	11.2	239.	35.1
%RSD	.33784	.45989	.61748
#1	3317.0	52059.	5712.4
#2	3332.9	51721.	5662.8

Sample Name: CCB Acquired: 5/3/2012 13:40:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00019	W -.00483	.00044	.00015	.00003	-.00381	-.00095	.00031	-.00001	-.00004
Stddev	.00026	.00022	.00041	.00015	.00023	.00000	.00170	.00014	.00010	.00017	.00033
%RSD	76.405	115.78	8.4135	33.516	149.02	11.242	44.531	14.367	31.935	1199.5	834.47
#1	.00053	.00003	-.00454	.00033	.00031	.00003	-.00501	-.00085	.00038	.00011	.00020
#2	.00016	.00034	-.00511	.00054	-.00001	.00003	-.00261	-.00105	.00024	-.00014	-.00028
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00041	.00190	.02788	.00120	-.00084	-.00001	.00083	-.00932	-.00002	.00148	-.00076
Stddev	.00023	.00175	.05254	.00273	.00219	.00005	.00032	.01337	.00045	.00137	.00008
%RSD	56.458	91.892	188.44	227.35	260.40	459.87	38.913	143.44	2008.5	92.772	10.853
#1	-.00025	.00067	-.00927	.00313	.00071	.00002	.00060	.00013	-.00034	.00245	-.00082
#2	-.00058	.00314	.06503	-.00073	-.00239	-.00005	.00106	-.01877	.00030	.00051	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00350	.00247	-.00199	.01852	.03963	-.00043	.00003	-.00026	-.00018	-.00197	.00442
Stddev	.00033	.00223	.00216	.01585	.03392	.00069	.00005	.00098	.00002	.00059	.01853
%RSD	9.4539	90.062	108.61	85.586	85.586	160.14	147.16	377.67	8.2549	30.034	419.06
#1	.00327	.00405	-.00046	.00731	.01565	.00006	.00007	-.00095	-.00019	-.00238	.01753
#2	.00374	.00090	-.00351	.02972	.06361	-.00092	.00000	.00043	-.00017	-.00155	-.00868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00008	.00288	.00001
Stddev	.00052	.00027	.00004
%RSD	698.44	9.5446	630.05
#1	.00030	.00268	.00003
#2	-.00045	.00307	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3390.9	52602.	5647.8
Stddev	19.6	67.	8.9
%RSD	.57682	.12752	.15777
#1	3377.0	52554.	5654.1
#2	3404.7	52649.	5641.5

Sample Name: CCVL1397430 Acquired: 5/3/2012 13:42:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01109	.10405	.01339	.09418	.01010	.00092	.10553	.18706	.00500	.01034	.01034	.01619	.10102
Stddev	.00014	.00090	.00050	.00088	.00017	.00008	.00011	.00398	.00008	.00020	.00010	.00021	.00342
%RSD	1.3009	.86389	3.7032	.93276	1.7049	8.3480	.10057	2.1251	1.6705	1.9180	.95061	1.2804	3.3842
#1	.01099	.10342	.01374	.09356	.01022	.00087	.10545	.18988	.00494	.01048	.01027	.01634	.10344
#2	.01119	.10469	.01304	.09480	.00998	.00098	.10560	.18425	.00506	.01020	.01041	.01605	.09861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0181	.01089	.20736	.01073	.01972	.94665	.04070	2.6956	.00947	.00988	.00943	F .00993	.47846
Stddev	.0245	.00008	.00065	.00003	.00019	.00601	.00029	.0050	.00004	.00470	.00057	.00526	.02138
%RSD	.81211	.69977	.31259	.31978	.96961	.63539	.71626	.18675	.38229	47.600	6.0325	53.006	4.4692
#1	3.0354	.01094	.20781	.01076	.01958	.94240	.04049	2.6921	.00944	.01320	.00983	.00621	.46334
#2	3.0008	.01083	.20690	.01071	.01985	.95090	.04091	2.6992	.00950	.00655	.00903	.01365	.49359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0239	.10041	.00996	.01504	.00962	.01283	F .08557	.00971	.02377	.01517
Stddev	.0458	.00332	.00021	.00034	.00012	.00033	.00961	.00053	.00015	.00010
%RSD	4.4692	3.3112	2.1580	2.2802	1.2511	2.5680	11.234	5.4598	.63944	.66620
#1	.99156	.09806	.00981	.01528	.00954	.01260	.07877	.01009	.02366	.01524
#2	1.0563	.10276	.01011	.01479	.00971	.01306	.09237	.00934	.02388	.01510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3394.3	52719.	5831.5
Stddev	6.5	62.	4.0
%RSD	.19213	.11787	.06826
#1	3399.0	52763.	5834.3
#2	3389.7	52675.	5828.6

Sample Name: 280-28292-a-31-a Acquired: 5/3/2012 13:45:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.04981	-.00221	.00088	.00196	.00004	.00154	.20881	.01256	.00025
Stddev	.00072	.00022	.00274	.00096	.00001	.00001	.00085	.00061	.00012	.00001
%RSD	163.22	.44357	123.92	109.27	.50933	20.109	54.839	.29446	.93736	3.4582
#1	-.00007	.04965	-.00415	.00156	.00195	.00004	.00094	.20837	.01265	.00025
#2	.00096	.04997	-.00027	.00020	.00197	.00005	.00214	.20924	.01248	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00057	.05019	.03785	.00204	.03482	.00482	.00013	.26288	.00029
Stddev	.00004	.00011	.00018	.01935	.00023	.00344	.00006	.00024	.00170	.00022
%RSD	29.747	18.679	.36422	51.118	11.109	9.8891	1.1639	186.69	.64537	75.589
#1	.00018	.00065	.05032	.05153	.00220	.03726	.00486	.00029	.26408	.00013
#2	.00012	.00050	.05006	.02417	.00188	.03239	.00478	-.00004	.26168	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00676	.00755	.17097	.00021	.00220	.06003	.12846	-.00058	.00090	.00123
Stddev	.00136	.00000	.00082	.00254	.00218	.00753	.01612	.00082	.00002	.00028
%RSD	20.144	.01128	.48135	1214.2	99.112	12.550	12.550	139.79	1.9212	22.777
#1	.00580	.00755	.17155	.00201	.00374	.06535	.13986	-.00001	.00091	.00143
#2	.00773	.00755	.17039	-.00159	.00066	.05470	.11706	-.00116	.00089	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00169	-.00163	.00665	-.00051	.01909	-.00062
Stddev	.00019	.00057	.01418	.00029	.00033	.00225
%RSD	11.307	34.614	213.25	56.480	1.7327	365.46
#1	.00183	-.00123	.01668	-.00031	.01933	-.00221
#2	.00156	-.00203	-.00338	-.00072	.01886	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3417.7	53605.	5834.7
Stddev	5.5	152.	27.0
%RSD	.16034	.28414	.46306
#1	3421.5	53498.	5853.8
#2	3413.8	53713.	5815.6

Sample Name: 280-28292-a-21-a@5 Acquired: 5/3/2012 13:47:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.12104	-.00215	.10972	.00349	.00027	-.00213	104.08	W 14.393	.03469
Stddev	.00024	.00005	.00049	.00023	.00020	.00001	.00058	.45	.002	.00001
%RSD	15.779	.03743	22.661	.20704	5.7425	2.4591	27.253	.43610	.01428	.04060
#1	.00171	.12107	-.00181	.10988	.00335	.00028	-.00254	103.76	14.391	.03470
#2	.00137	.12100	-.00250	.10956	.00364	.00027	-.00172	104.40	14.394	.03468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00985	.02298	1.0239	.04664	43.617	9.5723	-.00020	120.16	.08307
Stddev	.00025	.00052	.00143	.0082	.00074	.308	.1608	.00004	.60	.00069
%RSD	9365.9	5.3042	6.2158	.80046	1.5940	.70547	1.6804	17.921	.49559	.83204
#1	-.00017	.01022	.02399	1.0181	.04612	43.835	9.6861	-.00018	119.74	.08356
#2	.00018	.00948	.02197	1.0297	.04717	43.400	9.4586	-.00023	120.58	.08258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11131	.00429	W 194.25	.00109	.02331	2.6600	5.6924	.00078	.46636	-.00818
Stddev	.00350	.00109	.25	.00019	.00460	.0196	.0420	.00062	.00183	.00055
%RSD	3.1422	25.413	.13066	17.182	19.734	.73736	.73736	79.980	.39229	6.7819
#1	.10883	.00506	194.43	.00122	.02005	2.6739	5.7221	.00122	.46507	-.00857
#2	.11378	.00352	194.07	.00096	.02656	2.6462	5.6628	.00034	.46766	-.00779
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	-.00067	W -.05610	-.00005	W 27.225	.00024
Stddev	.00017	.00033	.00809	.00049	.124	.00099
%RSD	41.951	49.009	14.415	928.95	.45470	413.51
#1	.00053	-.00090	-.06182	.00029	27.312	-.00046
#2	.00029	-.00043	-.05038	-.00040	27.137	.00094
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			45.000		10.000	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3210.6	49701.	5668.9
Stddev	6.6	294.	11.1
%RSD	.20460	.59095	.19518
#1	3206.0	49493.	5661.0
#2	3215.2	49909.	5676.7

Sample Name: SD 28292-a-21-a@25 Acquired: 5/3/2012 13:50:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00082	.02483	-.00279	.02213	.00073	.00003	-.00123	20.488	W 2.9161	.00736
Stddev	.00012	.00012	.00514	.00064	.00001	.00007	.00332	.066	.0024	.00004
%RSD	15.026	.47924	184.05	2.8790	1.5306	203.86	270.91	.32425	.08259	.53113
#1	.00090	.02491	.00084	.02167	.00074	-.00001	.00112	20.535	2.9178	.00739
#2	.00073	.02474	-.00642	.02258	.00073	.00008	-.00358	20.441	2.9144	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00181	.00885	.22104	.01154	8.7100	1.9858	-.00012	24.403	.01692
Stddev	.00011	.00003	.00312	.02009	.00164	.0073	.0017	.00004	.049	.00032
%RSD	126.81	1.8837	35.212	9.0896	14.197	.08404	.08551	31.296	.19902	1.8832
#1	.00001	.00178	.01106	.20683	.01038	8.7152	1.9870	-.00009	24.438	.01714
#2	.00017	.00183	.00665	.23525	.01270	8.7048	1.9846	-.00015	24.369	.01669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02454	.00188	37.786	-.00195	.00509	.54353	1.1632	.00032	.09311	-.00151
Stddev	.00228	.00077	.020	.00200	.00085	.00318	.0068	.00111	.00031	.00225
%RSD	9.3062	40.658	.05410	102.64	16.676	.58420	.58420	352.49	.33185	148.75
#1	.02293	.00134	37.801	-.00337	.00449	.54129	1.1584	-.00047	.09333	.00008
#2	.02616	.00242	37.772	-.00054	.00569	.54578	1.1680	.00110	.09289	-.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00117	-.01794	.00027	5.6126	-.00086
Stddev	.00013	.00077	.02707	.00044	.0102	.00021
%RSD	227.95	66.033	150.92	165.16	.18183	24.277
#1	-.00015	-.00062	-.03708	-.00004	5.6198	-.00100
#2	.00004	-.00171	.00121	.00058	5.6054	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3341.9	52205.	5836.2
Stddev	.3	158.	33.2
%RSD	.00920	.30329	.56856
#1	3341.7	52093.	5859.7
#2	3342.1	52317.	5812.8

Sample Name: 28292-a-21-b ms@5 Acquired: 5/3/2012 13:52:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01113	.49976	.19964	.30066	.39866	.00961	F .40879	111.75	W 14.272	.13045
Stddev	.00037	.00119	.00264	.00244	.00198	.00006	.00001	.31	.030	.00076
%RSD	3.3463	.23838	1.3225	.81144	.49650	.62108	.00284	.27984	.20965	.58273
#1	.01139	.50060	.20151	.30238	.40006	.00965	.40878	111.97	14.293	.13099
#2	.01087	.49892	.19778	.29893	.39726	.00957	.40879	111.52	14.251	.12991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit							.10000		2.0000	
Low Limit							-.10000		-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03975	.06237	.20374	11.222	.24074	52.972	9.5015	.20271	128.66	.17837
Stddev	.00018	.00006	.00291	.032	.00032	.091	.0478	.00063	1.04	.00116
%RSD	.45440	.10067	1.4307	.28183	.13134	.17226	.50262	.31127	.80750	.65030
#1	.03987	.06233	.20167	11.245	.24052	52.907	9.4677	.20315	129.40	.17919
#2	.03962	.06242	.20580	11.200	.24097	53.036	9.5353	.20226	127.93	.17755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1200	.09903	W 192.75	.09615	.43702	4.4988	9.6275	.39258	.65996	.19995
Stddev	.0065	.00168	.58	.00192	.00514	.0147	.0316	.00172	.00232	.00094
%RSD	.30719	1.6943	.30099	1.9933	1.1753	.32790	.32790	.43708	.35210	.47179
#1	2.1246	.09784	193.16	.09751	.44065	4.5092	9.6498	.39379	.66160	.20062
#2	2.1154	.10022	192.34	.09480	.43339	4.4884	9.6051	.39137	.65831	.19928
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		180.00							
Low Limit	-1.0000		-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20173	.38427	.37824	.10264	W 26.730	.10027
Stddev	.00039	.00187	.00381	.00063	.061	.00279
%RSD	.19549	.48769	1.0067	.61539	.22760	2.7809
#1	.20145	.38559	.38093	.10309	26.687	.10224
#2	.20201	.38294	.37554	.10220	26.773	.09829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3185.7	49876.	5701.6
Stddev	9.3	63.	32.9
%RSD	.29037	.12609	.57668
#1	3179.2	49921.	5678.3
#2	3192.2	49832.	5724.8

Sample Name: 28292-a-21-c msd@5 Acquired: 5/3/2012 13:54:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01227	.51459	.20809	.31057	.41246	.00996	F .42279	115.32	W 14.795	.13517
Stddev	.00041	.00148	.00355	.00080	.00511	.00023	.00092	1.67	.030	.00038
%RSD	3.3708	.28670	1.7045	.25903	1.2380	2.3598	.21735	1.4475	.20497	.27797
#1	.01256	.51355	.20558	.31000	.40885	.00979	.42344	114.14	14.817	.13490
#2	.01198	.51563	.21060	.31114	.41607	.01012	.42214	116.50	14.774	.13543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit							.10000		2.0000	
Low Limit							-.10000		-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04113	.06415	.20692	11.551	.24776	54.533	9.8118	.20956	133.40	.18425
Stddev	.00013	.00024	.00312	.068	.00451	.259	.0037	.00025	1.68	.00002
%RSD	.30445	.38111	1.5069	.58948	1.8186	.47446	.03762	.12146	1.2586	.00846
#1	.04122	.06398	.20471	11.503	.24457	54.351	9.8145	.20974	132.21	.18424
#2	.04105	.06432	.20912	11.599	.25094	54.716	9.8092	.20938	134.58	.18426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1870	.10313	W 199.29	.10082	.44764	4.6578	9.9677	.40701	.68249	.20641
Stddev	.0070	.00102	.40	.00076	.00027	.0472	.1009	.00052	.00793	.00184
%RSD	.32234	.98933	.19847	.75750	.06108	1.0126	1.0126	.12870	1.1614	.88975
#1	2.1920	.10385	199.57	.10028	.44745	4.6244	9.8963	.40664	.67689	.20511
#2	2.1820	.10241	199.01	.10136	.44783	4.6911	10.039	.40738	.68810	.20771
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		180.00							
Low Limit	-1.0000		-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20879	.39809	.38262	.10512	W 27.398	.10278
Stddev	.00063	.00056	.00244	.00005	.123	.00220
%RSD	.29954	.14185	.63740	.04755	.44775	2.1450
#1	.20835	.39849	.38434	.10515	27.311	.10122
#2	.20923	.39769	.38089	.10508	27.484	.10434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3169.6	49641.	5722.0
Stddev	3.8	104.	35.4
%RSD	.11931	.21033	.61820
#1	3166.9	49715.	5747.0
#2	3172.2	49567.	5696.9